

11 Lakeside Drive, New Rochelle, NY 10801

Project Information

For: Ryan
 11 Lakeside Drive, New Rochelle, NY 10801

Design Information

	Htg	Clg		Infiltration
Outside db (°F)	9	87	Method	Blower door
Inside db (°F)	71	70	Shielding / stories	3 (partial) / 3
Design TD (°F)	62	17	Pressure / AVF	50 Pa / 3025 cfm
Daily range	-	M		
Inside humidity (%)	43	50		
Moisture difference (gr/lb)	50	42		

HEATING EQUIPMENT

Make	
Trade	
Model	
AHRI ref	
Efficiency	80 AFUE
Heating input	0 Btuh
Heating output	0 Btuh
Low output baseboard	500 Btuh/ft
Total low baseboard	172 ft
High output baseboard	700 Btuh/ft
Total high baseboard	123 ft
Space thermostat	

COOLING EQUIPMENT

Make	
Trade	
Cond	
Coil	
AHRI ref	
Efficiency	0 SEER
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	2544 cfm
Air flow factor	0.061 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.89

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Baseboard (ft)		Clg AVF (cfm)
				Low	High	
Downstairs	1509	47988	24743	96	69	1520
Upstairs	835	29266	18573	59	42	1141
Basement	1104	8990	1375	18	13	84
Entire House	3448	86244	41372	172	123	2544
Other equip loads		0	0			
Equip. @ 0.92 RSM			37856			
Latent cooling			5294			
TOTALS	3448	86244	43150	172	123	2544

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

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	Htg	Clg		Infiltration
Outside db (°F)	9	87	Method	Blower door
Inside db (°F)	55	77	Shielding / stories	3 (partial) / 3
Design TD (°F)	46	10	Pressure / AVF	50 Pa / 3025 cfm
Daily range	-	M		
Inside humidity (%)	30	50		
Moisture difference (gr/lb)	12	27		

HEATING EQUIPMENT

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Low output baseboard	500 Btuh/ft
Total low baseboard	0 ft
High output baseboard	700 Btuh/ft
Total high baseboard	0 ft
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)	Baseboard (ft)		Clg AVF (cfm)
				Low	High	
PlayBoilerRoom	281	2132	248	4	3	15
Garage	380	3687	0	7	5	0
Laundry Room	170	1314	479	3	2	29
Future Bedroom	273	1858	647	4	3	40
Basement	1104	8990	1375	18	13	84
Other equip loads		0	0			
Equip. @ 0.92 RSM			1258			
Latent cooling			0			
TOTALS	1104	8990	1258	18	13	84

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	Htg	Clg	Method	Infiltration
Outside db (°F)	9	87		Blower door
Inside db (°F)	72	70	Shielding / stories	3 (partial) / 3
Design TD (°F)	63	17	Pressure / AVF	50 Pa / 3025 cfm
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	52	42		

HEATING EQUIPMENT

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Low output baseboard	500 Btuh/ft
Total low baseboard	0 ft
High output baseboard	700 Btuh/ft
Total high baseboard	0 ft
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)	Baseboard (ft)		Clg AVF (cfm)
				Low	High	
Office	80	3836	1299	8	5	80
Turtle Room	224	7562	4090	15	11	251
Guest Bathroom	30	873	363	2	1	22
Family Room	154	5964	3150	12	9	193
Fourier	20	1252	427	3	2	26
Closet	15	2128	689	4	3	42
Living Room	391	10686	7220	21	15	443
Kitchen	204	1884	435	4	3	27
Upper Living Room	391	13803	7070	28	20	434

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Downstairs	1509	47988	24743	96	69	1520
Other equip loads		0	0			
Equip. @ 0.92 RSM			22640			
Latent cooling			3142			
TOTALS	1509	47988	25783	96	69	1520

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Design Information

	Htg	Clg		Infiltration
Outside db (°F)	9	87	Method	Blower door
Inside db (°F)	70	70	Shielding / stories	3 (partial) / 3
Design TD (°F)	61	17	Pressure / AVF	50 Pa / 3025 cfm
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	48	42		

HEATING EQUIPMENT

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Low output baseboard	500 Btuh/ft
Total low baseboard	0 ft
High output baseboard	700 Btuh/ft
Total high baseboard	0 ft
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)	Baseboard (ft)		Clg AVF (cfm)
				Low	High	
Guest Bedroom	154	5687	2498	11	8	153
Master Bathroom	60	1357	863	3	2	53
Perls Bedroom	140	3709	1520	7	5	93
Guest Closet	16	443	91	1	1	6
Hall Closet	8	16	13	0	0	1
Master Clst	6	12	10	0	0	1
Master Fourier	48	904	481	2	1	30
Kids Bath	62	3373	2149	7	5	132
Master Bedroom	240	11304	8562	23	16	526
Hallway	101	2462	2385	5	4	147

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Upstairs	835	29266	18573	59	42	1141
Other equip loads		0	0			
Equip. @ 0.92 RSM			16994			
Latent cooling			2152			
TOTALS	835	29266	19146	59	42	1141

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Design Conditions

Location:

Westchester Co, NY, US
Elevation: 397 ft
Latitude: 41°N

Outdoor:

Drybulb (°F)
Daily range (°F)
Wet bulb (°F)
Wind speed (mph)

Heating

9
-
-
15.0

Cooling

87
17 (M)
72
7.5

Indoor:

Indoor temperature (°F)
Design TD (°F)
Relative humidity (%)
Moisture difference (gr/lb)

Heating

71
62
43
50.0

Cooling

70
17
50
41.8

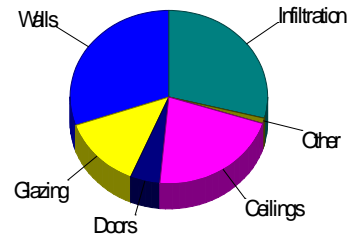
Infiltration:

Method
Shielding / stories
Pressure / AVF

Blower door
3 (partial) / 3
50 Pa / 3025 cfm

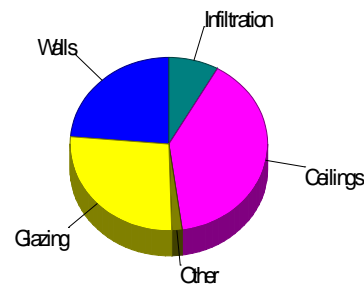
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	7.6	26122	30.3
Glazing	34.3	11538	13.4
Doors	26.0	4191	4.9
Ceilings	14.0	18564	21.5
Floors	0.8	892	1.0
Infiltration	11.0	24937	28.9
Ducts		0	0
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		86244	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.8	9775	23.6
Glazing	33.0	11100	26.8
Doors	4.4	704	1.7
Ceilings	12.4	16411	39.7
Floors	0	0	0
Infiltration	1.5	3383	8.2
Ducts		0	0
Ventilation		0	0
Internal gains		0	0
Blower		0	0
Adjustments		0	0
Total		41372	100.0



Latent Cooling Load = 5294 Btuh
Overall U-value = 0.170 Btuh/ft²-°F

Data entries checked.

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Outdoor:

Dry bulb (°F)
Daily range (°F)
Wet bulb (°F)
Wind speed (mph)

Heating

9
-
-
15.0

Cooling

87
17 (M)
72
7.5

Indoor:

Indoor temperature (°F)
Design TD (°F)
Relative humidity (%)
Moisture difference (gr/lb)

Heating

55
46
30
12.4

Cooling

77
10
50
26.8

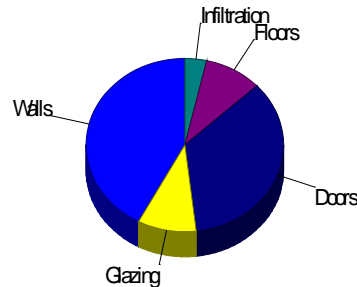
Infiltration:

Method
Shielding / stories
Pressure / AVF

Blower door
3 (partial) / 3
50 Pa / 3025 cfm

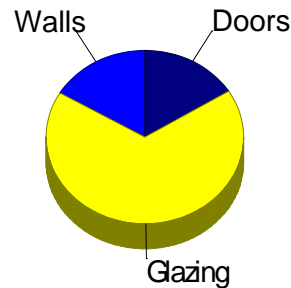
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.6	3795	42.2
Glazing	26.2	865	9.6
Doors	26.5	3159	35.1
Ceilings	0	0	0
Floors	0.8	852	9.5
Infiltration	8.2	320	3.6
Ducts		0	0
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		8990	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.2	227	16.5
Glazing	28.1	927	67.4
Doors	1.9	222	16.1
Ceilings	0	0	0
Floors	0	0	0
Infiltration	0	0	0
Ducts		0	0
Ventilation		0	0
Internal gains		0	0
Blower		0	0
Adjustments		0	0
Total		1375	100.0



Latent Cooling Load = 0 Btuh
Overall U-value = 0.094 Btuh/ft²-°F

WARNING: window to floor area ratio = 3.0% - less than 5%.

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Elevation: 397 ft
Latitude: 41°N

Outdoor:

Dry bulb (°F)
Daily range (°F)
Wet bulb (°F)
Wind speed (mph)

Heating

9
-
-
15.0

Cooling

87
17 (M)
72
7.5

Indoor:

Indoor temperature (°F)
Design TD (°F)
Relative humidity (%)
Moisture difference (gr/lb)

Heating

72
63
50
52.3

Cooling

70
17
50
41.8

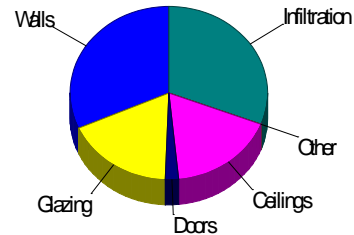
Infiltration:

Method
Shielding / stories
Pressure / AVF

Blower door
3 (partial) / 3
50 Pa / 3025 cfm

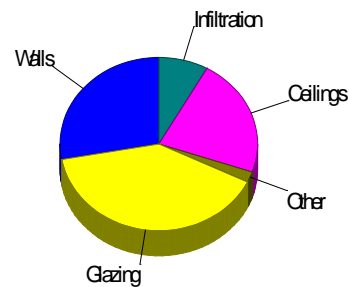
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	13.8	15171	31.6
Glazing	40.4	8547	17.8
Doors	24.6	1032	2.2
Ceilings	17.7	8423	17.6
Floors	0.9	13	0.0
Infiltration	11.2	14803	30.8
Ducts		0	0
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		47988	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	6.3	6893	27.9
Glazing	46.7	9882	39.9
Doors	11.5	482	1.9
Ceilings	11.5	5478	22.1
Floors	0	0	0
Infiltration	1.5	2008	8.1
Ducts		0	0
Ventilation		0	0
Internal gains		0	0
Blower		0	0
Adjustments		0	0
Total		24743	100.0



Latent Cooling Load = 3142 Btuh
Overall U-value = 0.286 Btuh/ft²-°F

Data entries checked.

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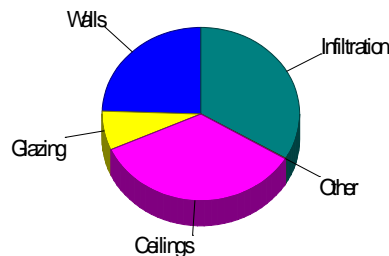
For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location:		Indoor:		Heating	Cooling
Westchester Co, NY, US		Indoor temperature (°F)		70	70
Elevation: 397 ft		Design TD (°F)		61	17
Latitude: 41°N		Relative humidity (%)		50	50
		Moisture difference (gr/lb)		48.5	41.8
Outdoor:	Heating	Cooling	Infiltration:		
Drybulb (°F)	9	87	Method	Blower door	
Daily range (°F)	-	17 (M)	Shielding / stories	3 (partial) / 3	
Wet bulb (°F)	-	72	Pressure / AVF	50 Pa / 3025 cfm	
Wind speed (mph)	15.0	7.5			

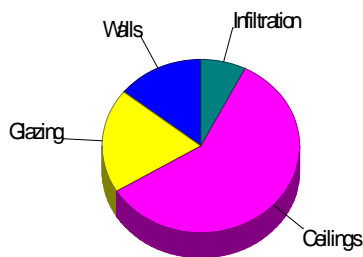
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	7.9	7157	24.5
Glazing	23.1	2126	7.3
Doors	0	0	0
Ceilings	11.9	10141	34.7
Floors	1.3	27	0.1
Infiltration	10.9	9815	33.5
Ducts		0	0
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		29266	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.9	2655	14.3
Glazing	39.3	3610	19.4
Doors	0	0	0
Ceilings	12.8	10932	58.9
Floors	0	0	0
Infiltration	1.5	1375	7.4
Ducts		0	0
Ventilation		0	0
Internal gains		0	0
Blower		0	0
Adjustments		0	0
Total		18573	100.0



Latent Cooling Load = 2152 Btuh
Overall U-value = 0.166 Btuh/ft²-°F

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Design Conditions

<p>Location: Westchester Co, NY, US Elevation: 397 ft Latitude: 41°N</p>				<p>Indoor: Indoor temperature (°F) 71 Design TD (°F) 62 Relative humidity (%) 43 Moisture difference (gr/lb) 50.0</p>	<p>Heating 71 62 43 50.0</p>	<p>Cooling 70 17 50 41.8</p>
<p>Outdoor: Dry bulb (°F) 9 Daily range (°F) - Wet bulb (°F) - Wind speed (mph) 15.0</p>	<p>Heating 9 - - 15.0</p>	<p>Cooling 87 17 (M) 72 7.5</p>	<p>Infiltration: Method Blower door Shielding / stories 3 (partial) / 3 Pressure / AVF 50 Pa / 3025 cfm</p>			

Construction descriptions

Construction descriptions	Or	Area ft ²	U-value Btuh/ft ² -°F	Insul R ft ² -°F/Btuh	Htg HTM Btuh/ft ²	Loss Btuh	Clg HTM Btuh/ft ²	Gain Btuh
Walls								
12A-0sw: Frm wall, stucco ext, 3/8" wood shth, 2"x4" wood frm, 16" o.c. stud	n	99	0.240	0	14.6	1444	7.07	697
	e	75	0.240	0	14.6	1093	7.07	528
	w	51	0.240	0	14.6	744	7.07	359
	all	224	0.240	0	14.6	3282	7.07	1584
12A-0sw: Frm wall, stucco ext, 1/2" wood shth, 1/2" gypsum board int fnsh, 2"x4" wood frm, 16" o.c. stud	n	111	0.240	0	15.1	1675	7.07	783
	e	287	0.240	0	15.1	4338	7.07	2028
	s	299	0.240	0	15.1	4523	7.07	2114
	w	251	0.240	0	15.1	3791	7.07	1772
	all	948	0.240	0	15.1	14327	7.07	6697
12C-0sw: Frm wall, stucco ext, 3/8" wood shth, r-13 cav ins, 1/2" gypsum board int fnsh, 2"x4" wood frm, 16" o.c. stud	n	140	0.091	13.0	5.55	779	2.22	312
	e	18	0.091	13.0	5.55	100	2.22	40
	w	120	0.091	13.0	5.55	666	2.22	267
	all	278	0.091	13.0	5.55	1545	2.22	619
15B-0s-10: Bg wall, heavy damp soil, stone wall, 12" thk	n	141	0.102	0	3.18	448	0	0
	n	82	0.117	0	-11	-890	0	0
	e	285	0.102	0	4.51	1284	0	0
	s	333	0.102	0	4.69	1562	0	0
	w	111	0.102	0	3.73	414	0	0
	w	159	0.117	0	6.13	975	0	0
	all	1111	0.117	0	3.42	3795	0	0
15B-10sfc-2: Bg wall, light dry soil, concrete wall, r-10 ins, 8" thk	n	32	0.061	10.0	4.73	151	0.89	29
	w	38	0.061	10.0	4.82	184	0.98	37
	all	70	0.061	10.0	4.78	336	0.94	66
15E13-0w-2: Bg wall, light dry soil, r-13 core, 2"x4" wood int frm, plywood, wood framing wall, 4" thk	n	105	0.071	13.0	5.69	596	0.95	99
15E11-0w-2: Bg wall, light dry soil, empty core, 2"x4" wood int frm, plywood, wood framing wall, 4" thk	e	45	0.076	11.0	6.08	273	1.20	54
	se	19	0.076	11.0	5.96	116	1.10	21
	s	123	0.076	11.0	6.04	743	1.17	143
	sw	19	0.076	11.0	5.95	114	1.09	21
	w	124	0.076	11.0	6.06	749	1.18	146
	all	330	0.076	11.0	6.04	1995	1.17	386
12C-0sw: Frm wall, stucco ext, 1/2" wood shth, r-13 cav ins, 1/2" gypsum board int fnsh, 2"x4" wood frm, 16" o.c. stud	w	43	0.091	13.0	5.73	248	2.22	96

Partitions

12C-0sw: Frm wall, stucco ext, r-13 cav ins, 2"x4" wood frm, 16" o.c. stud	330	0.091	13.0	0	0	0.69	227
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Windows

1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; NFRC rated (SHGC=0.27); 6.67 ft head ht	n	13	0.290	0	17.7	236	9.97	133
	n	65	0.290	0	18.3	1192	9.97	651
	n	13	0.290	0	17.7	236	9.97	133
	n	15	0.290	0	18.3	278	9.97	152
	e	13	0.290	0	17.7	236	30.2	403
	w	15	0.290	0	18.3	278	30.2	460
	w	10	0.290	0	17.7	177	30.2	302
	all	146	0.290	0	18.1	2633	15.3	2233
1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; NFRC rated (SHGC=0.46); 6.67 ft head ht	n	7	0.290	0	17.7	130	13.6	100
	w	5	0.290	0	17.7	91	48.1	248
	all	13	0.290	0	17.7	221	27.9	348
1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; 6.67 ft head ht	n	12	0.570	0	26.2	315	16.2	194
	se	6	0.570	0	34.8	209	53.9	324
	s	12	0.570	0	34.8	417	33.1	397
	sw	6	0.570	0	34.8	220	53.9	342
	w	12	0.570	0	26.2	315	0	0
	w	5	0.570	0	34.8	174	62.1	311
	all	53	0.570	0	30.9	1649	29.4	1567
1A-c1om: 1 glazing, clr glz, mtl no brk frm mat, 1/8" thk; 6.67 ft head ht	e	32	1.270	0	80.0	2560	91.5	2929
	s	26	1.270	0	80.0	2040	52.7	1343
	s	18	1.270	0	80.0	1470	52.7	967
	all	76	1.270	0	80.0	6070	69.1	5240
4A3-2ow: 2 glazing, clr low-e outr, argon gas, wd frm mat, clr innr, 1/2" gap, 1/4" thk; NFRC rated (SHGC=0.27); 6.67 ft head ht	e	35	0.290	0	18.3	641	30.2	1060
1D-c2ov: 2 glazing, clr outr, argon gas, vnl frm mat, clr innr, 1/4" gap, 1/4" thk; 6.67 ft head ht	e	3	0.570	0	26.2	79	58.1	174
	w	6	0.570	0	26.2	157	58.1	349
	all	9	0.570	0	26.2	236	58.1	523
1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; NFRC rated (SHGC=0.27); 50% outdoor insect screen; 6.67 ft head ht	w	5	0.290	0	18.3	87	27.2	129

Doors

11J0: Door, ovhd mtl type	n	98	0.600	6.3	27.6	2705	0	0
11D0: Door, wd sc type	e	21	0.390	0	24.6	516	11.5	241
	s	21	0.390	0	24.6	516	11.5	241
	all	42	0.390	0	24.6	1032	11.5	482
11A0: Door, wd hc type	n	21	0.470	0	21.6	454	10.6	222

Ceilings

16B-30ad: Attic ceiling, asphalt shingles roof mat, r-20 roof ins, r-30 ceil ins	412	0.032	30.0	1.95	805	1.69	698
17C-0tl: Rf/clg ceiling, tile, slate, concrete roof mat, wd cons, 1" thkns	567	0.287	0	18.0	10192	11.8	6663
C part ceiling.: C part ceiling, frm flr, 6" thkns	347	0.357	1.0	21.8	7567	26.1	9050

Floors

21A-28t: Bg floor, light dry soil, 6.5' depth	281	0.022	0	1.01	284	0	0
	20	0.022	0	1.34	27	0	0
	all	301	0.022	0	1.03	311	0
21B-28t: Bg floor, light dry soil, prm int ins cov, 6.5' depth, r-3 ins	823	0.015	3.0	0.69	568	0	0
	14	0.015	3.0	0.94	13	0	0
	all	837	0.015	3.0	0.69	581	0



11 Lakeside Drive, New Rochelle, NY 10801

Project Information

For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location: Westchester Co, NY, US Elevation: 397 ft Latitude: 41°N		Indoor: Indoor temperature (°F) 72 Design TD (°F) 63 Relative humidity (%) 50 Moisture difference (gr/lb) 52.3	Heating	Cooling
Outdoor: Dry bulb (°F) 9 Daily range (°F) - Wet bulb (°F) - Wind speed (mph) 15.0	Heating 9 - - 15.0	Cooling 87 17 (M) 72 7.5		
		Infiltration: Method Blower door Shielding / stories 3 (partial) / 3 Pressure / AVF 50 Pa / 3025 cfm		

Construction descriptions

Construction descriptions	Or	Area ft ²	U-value Btuh/ft ² -°F	Insul R ft ² -°F/Btuh	Htg HTM Btuh/ft ²	Loss Btuh	Clg HTM Btuh/ft ²	Gain Btuh
Walls								
12A-0sw: Frm wall, stucco ext, 1/2" wood shth, 1/2" gypsum board int fnsh, 2"x4" wood frm, 16" o.c. stud	n	111	0.240	0	15.1	1675	7.07	783
	e	287	0.240	0	15.1	4338	7.07	2028
	s	299	0.240	0	15.1	4523	7.07	2114
	w	251	0.240	0	15.1	3791	7.07	1772
	all	948	0.240	0	15.1	14327	7.07	6697
15E13-0w-2: Bg wall, light dry soil, r-13 core, 2"x4" wood int frm, plywood, wood framing wall, 4" thk	n	105	0.071	13.0	5.69	596	0.95	99
12C-0sw: Frm wall, stucco ext, 1/2" wood shth, r-13 cav ins, 1/2" gypsum board int fnsh, 2"x4" wood frm, 16" o.c. stud	w	43	0.091	13.0	5.73	248	2.22	96

Partitions (none)

Windows

1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; NFRC rated (SHGC=0.27); 6.67 ft head ht	n	65	0.290	0	18.3	1192	9.97	651
	n	15	0.290	0	18.3	278	9.97	152
	w	15	0.290	0	18.3	278	30.2	460
	all	96	0.290	0	18.3	1749	13.2	1263
1A-c1om: 1 glazing, clr glz, mtl no brk frm mat, 1/8" thk; 6.67 ft head ht	e	32	1.270	0	80.0	2560	91.5	2929
	s	26	1.270	0	80.0	2040	52.7	1343
	s	18	1.270	0	80.0	1470	52.7	967
	all	76	1.270	0	80.0	6070	69.1	5240
4A3-2ow: 2 glazing, clr low-e outr, argon gas, wd frm mat, clr innr, 1/2" gap, 1/4" thk; NFRC rated (SHGC=0.27); 6.67 ft head ht	e	35	0.290	0	18.3	641	30.2	1060
1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; NFRC rated (SHGC=0.27); 50% outdoor insect screen; 6.67 ft head ht	w	5	0.290	0	18.3	87	27.2	129

Doors

11D0: Door, wd sc type	e	21	0.390	0	24.6	516	11.5	241
	s	21	0.390	0	24.6	516	11.5	241
	all	42	0.390	0	24.6	1032	11.5	482

Ceilings

16B-30ad: Attic ceiling, asphalt shingles roof mat, r-20 roof ins, r-30 ceil ins	10	0.032	30.0	2.02	20	1.69	17
17C-0tl: Rf/clg ceiling, tile, slate, concrete roof mat, wd cons, 1" thkns	465	0.287	0	18.1	8402	11.8	5462

Floors

21B-28t: Bg floor, light dry soil, prm int ins cov, 6.5' depth, r-3 ins	14	0.015	3.0	0.94	13	0	0
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11 Lakeside Drive, New Rochelle, NY 10801

Project Information

For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location: Westchester Co, NY, US Elevation: 397 ft Latitude: 41°N		Indoor: Indoor temperature (°F) 70 Design TD (°F) 61 Relative humidity (%) 50 Moisture difference (gr/lb) 48.5	Heating 70 Cooling 70 61 50 41.8
Outdoor: Dry bulb (°F) 9 Daily range (°F) - Wet bulb (°F) - Wind speed (mph) 15.0	Heating 9 - - 15.0	Cooling 87 17 (M) 72 7.5	Infiltration: Method Blower door Shielding / stories 3 (partial) / 3 Pressure / AVF 50 Pa / 3025 cfm

Construction descriptions

Construction descriptions	Or	Area ft ²	U-value Btuh/ft ² -°F	Insul R ft ² -°F/Btuh	Htg HTM Btuh/ft ²	Loss Btuh	Clg HTM Btuh/ft ²	Gain Btuh
Walls								
12A-0sw: Frm wall, stucco ext, 3/8" wood shth, 2"x4" wood frm, 16" o.c. stud	n	99	0.240	0	14.6	1444	7.07	697
	e	75	0.240	0	14.6	1093	7.07	528
	w	51	0.240	0	14.6	744	7.07	359
	all	224	0.240	0	14.6	3282	7.07	1584
12C-0sw: Frm wall, stucco ext, 3/8" wood shth, r-13 cav ins, 1/2" gypsum board int fnsh, 2"x4" wood frm, 16" o.c. stud	n	140	0.091	13.0	5.55	779	2.22	312
	e	18	0.091	13.0	5.55	100	2.22	40
	w	120	0.091	13.0	5.55	666	2.22	267
	all	278	0.091	13.0	5.55	1545	2.22	619
15B-10sfc-2: Bg wall, light dry soil, concrete wall, r-10 ins, 8" thk	n	32	0.061	10.0	4.73	151	0.89	29
	w	38	0.061	10.0	4.82	184	0.98	37
	all	70	0.061	10.0	4.78	336	0.94	66
15E11-0w-2: Bg wall, light dry soil, empty core, 2"x4" wood int frm, plywood, wood framing wall, 4" thk	e	45	0.076	11.0	6.08	273	1.20	54
	se	19	0.076	11.0	5.96	116	1.10	21
	s	123	0.076	11.0	6.04	743	1.17	143
	sw	19	0.076	11.0	5.95	114	1.09	21
	w	124	0.076	11.0	6.06	749	1.18	146
	all	330	0.076	11.0	6.04	1995	1.17	386

Partitions (none)

Windows

1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; NFRC rated (SHGC=0.27); 6.67 ft head ht	n	13	0.290	0	17.7	236	9.97	133
	n	13	0.290	0	17.7	236	9.97	133
	e	13	0.290	0	17.7	236	30.2	403
	w	10	0.290	0	17.7	177	30.2	302
	all	50	0.290	0	17.7	885	19.4	970
1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; NFRC rated (SHGC=0.46); 6.67 ft head ht	n	7	0.290	0	17.7	130	13.6	100
	w	5	0.290	0	17.7	91	48.1	248
	all	13	0.290	0	17.7	221	27.9	348

1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; 6.67 ft head ht	se	6	0.570	0	34.8	209	53.9	324
	s	12	0.570	0	34.8	417	33.1	397
	sw	6	0.570	0	34.8	220	53.9	342
	w	5	0.570	0	34.8	174	62.1	311
	all	29	0.570	0	34.8	1020	46.8	1373

Doors
(none)

Ceilings

16B-30ad: Attic ceiling, asphalt shingles roof mat, r-20 roof ins, r-30 ceil ins	402	0.032	30.0	1.95	785	1.69	681
17C-0tl: Rf/clg ceiling, tile, slate, concrete roof mat, wd cons, 1" thkns	102	0.287	0	17.5	1789	11.8	1201
C part ceiling,: C part ceiling, frm flr, 6" thkns	347	0.357	1.0	21.8	7567	26.1	9050

Floors

21A-28t: Bg floor, light dry soil, 6.5' depth	20	0.022	0	1.34	27	0	0
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11 Lakeside Drive, New Rochelle, NY 10801

Project Information

For: Ryan
 11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location: Westchester Co, NY, US Elevation: 397 ft Latitude: 41°N			Indoor: Indoor temperature (°F) 55 Design TD (°F) 46 Relative humidity (%) 30 Moisture difference (gr/lb) 12.4	Heating 55 46 30 12.4	Cooling 77 10 50 26.8
Outdoor: Dry bulb (°F) Daily range (°F) Wet bulb (°F) Wind speed (mph)	Heating 9 - - 15.0	Cooling 87 17 (M) 72 7.5	Infiltration: Method Shielding / stories Pressure / AVF	Blower door 3 (partial) / 3 50 Pa / 3025 cfm	

Construction descriptions

	Or	Area ft ²	U-value Btuh/ft ² -°F	Insul R ft ² -°F/Btuh	Htg HTM Btuh/ft ²	Loss Btuh	Clg HTM Btuh/ft ²	Gain Btuh
Walls								
15B-0s-10: Bg wall, heavy damp soil, stone wall, 12" thk	n	141	0.102	0	3.18	448	0	0
	n	82	0.117	0	-11	-890	0	0
	e	285	0.102	0	4.51	1284	0	0
	s	333	0.102	0	4.69	1562	0	0
	w	111	0.102	0	3.73	414	0	0
	w	159	0.117	0	6.13	975	0	0
	all	1111	0.117	0	3.42	3795	0	0
Partitions								
12C-0sw: Frm wall, stucco ext, r-13 cav ins, 2"x4" wood frm, 16" o.c. stud		330	0.091	13.0	0	0	0.69	227
Windows								
1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/4" thk; 6.67 ft head ht	n	12	0.570	0	26.2	315	16.2	194
	w	12	0.570	0	26.2	315	0	0
	all	24	0.570	0	26.2	629	8.09	194
1D-c2ov: 2 glazing, clr outr, argon gas, vnl frm mat, clr innr, 1/4" gap, 1/4" thk; 6.67 ft head ht	e	3	0.570	0	26.2	79	58.1	174
	w	6	0.570	0	26.2	157	58.1	349
	all	9	0.570	0	26.2	236	58.1	523
Doors								
11J0: Door, ovhd mtl type	n	98	0.600	6.3	27.6	2705	0	0
11A0: Door, wd hc type	n	21	0.470	0	21.6	454	10.6	222
Ceilings (none)								
Floors								
21A-28t: Bg floor, light dry soil, 6.5' depth		281	0.022	0	1.01	284	0	0
21B-28t: Bg floor, light dry soil, prm int ins cov, 6.5' depth, r-3 ins		823	0.015	3.0	0.69	568	0	0

Project Information

For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Notes:

Design Information

Weather: Westchester Co, NY, US

Winter Design Conditions

Outside db	9 °F
Inside db	71 °F
Design TD	62 °F

Summer Design Conditions

Outside db	87 °F
Inside db	70 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	42 gr/lb

Heating Summary

Structure	86244 Btuh
Ducts	0 Btuh
Central vent (0 cfm) (none)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	86244 Btuh

Sensible Cooling Equipment Load Sizing

Structure	41372 Btuh
Ducts	0 Btuh
Central vent (0 cfm) (none)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.92
Equipment sensible load	37856 Btuh

Infiltration

Method	Blower door
Shielding / stories	3 (partial) / 3
Pressure / AVF	50 Pa / 3025 cfm

Latent Cooling Equipment Load Sizing

Structure	5294 Btuh
Ducts	0 Btuh
Central vent (0 cfm) (none)	0 Btuh
Equipment latent load	5294 Btuh

	Heating	Cooling
Area (ft ²)	3448	3068
Volume (ft ³)	17904	17524
Air changes/hour	1.24	0.65
Equip. AVF (cfm)	371	189

Equipment Total Load (Sen+Lat)	43150 Btuh
Req. total capacity at 0.70 SHR	4.5 ton

Heating Equipment Summary

Make	
Trade	
Model	
AHRI ref	
Efficiency	80 AFUE
Heating input	0 Btuh
Heating output	0 Btuh
Low output baseboard	500 Btuh/ft
Total low baseboard	172 ft
High output baseboard	700 Btuh/ft
Total high baseboard	123 ft
Space thermostat	

Cooling Equipment Summary

Make	
Trade	
Cond	
Coil	
AHRI ref	
Efficiency	0 SEER
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	2544 cfm
Air flow factor	0.061 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.89

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

Project Information

For: Ryan
 11 Lakeside Drive, New Rochelle, NY 10801

Notes:

Design Information

Weather: Westchester Co, NY, US

Winter Design Conditions

Outside db	9 °F
Inside db	55 °F
Design TD	46 °F

Summer Design Conditions

Outside db	87 °F
Inside db	77 °F
Design TD	10 °F
Daily range	M
Relative humidity	50 %
Moisture difference	27 gr/lb

Heating Summary

Structure	8990 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	8990 Btuh

Sensible Cooling Equipment Load Sizing

Structure	1375 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.92
Equipment sensible load	1258 Btuh

Infiltration

Method	Blower door
Shielding / stories	3 (partial) / 3
Pressure / AVF	50 Pa / 3025 cfm

Latent Cooling Equipment Load Sizing

Structure	0 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	0 Btuh
Equipment Total Load (Sen+Lat)	1258 Btuh
Req. total capacity at 0.70 SHR	0.1 ton

	Heating	Cooling
Area (ft ²)	1104	724
Volume (ft ³)	380	0
Air changes/hour	1.01	0
Equip. AVF (cfm)	6	0

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
Low output baseboard	500 Btuh/ft
Total low baseboard	0 ft
High output baseboard	700 Btuh/ft
Total high baseboard	0 ft
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.

Project Information

For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Notes:

Design Information

Weather: Westchester Co, NY, US

Winter Design Conditions

Outside db	9 °F
Inside db	72 °F
Design TD	63 °F

Summer Design Conditions

Outside db	87 °F
Inside db	70 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	42 gr/lb

Heating Summary

Structure	47988 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	47988 Btuh

Sensible Cooling Equipment Load Sizing

Structure	24743 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.92
Equipment sensible load	22640 Btuh

Infiltration

Method	Blower door
Shielding / stories	3 (partial) / 3
Pressure / AVF	50 Pa / 3025 cfm

Latent Cooling Equipment Load Sizing

Structure	3142 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	3142 Btuh
Equipment Total Load (Sen+Lat)	25783 Btuh
Req. total capacity at 0.70 SHR	2.7 ton

	Heating	Cooling
Area (ft ²)	1509	1509
Volume (ft ³)	10819	10819
Air changes/hour	1.20	0.62
Equiv. AVF (cfm)	217	112

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
Low output baseboard	500 Btuh/ft
Total low baseboard	0 ft
High output baseboard	700 Btuh/ft
Total high baseboard	0 ft
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.

Project Information

For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Notes:

Design Information

Weather: Westchester Co, NY, US

Winter Design Conditions

Outside db	9 °F
Inside db	70 °F
Design TD	61 °F

Summer Design Conditions

Outside db	87 °F
Inside db	70 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	42 gr/lb

Heating Summary

Structure	29266 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	29266 Btuh

Sensible Cooling Equipment Load Sizing

Structure	18573 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.92
Equipment sensible load	16994 Btuh

Infiltration

Method	Blower door
Shielding / stories	3 (partial) / 3
Pressure / AVF	50 Pa / 3025 cfm

Latent Cooling Equipment Load Sizing

Structure	2152 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	2152 Btuh
Equipment Total Load (Sen+Lat)	19146 Btuh
Req. total capacity at 0.70 SHR	2.0 ton

	Heating	Cooling
Area (ft ²)	835	835
Volume (ft ³)	6705	6705
Air changes/hour	1.33	0.69
Equiv. AVF (cfm)	148	77

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
Low output baseboard	500 Btuh/ft
Total low baseboard	0 ft
High output baseboard	700 Btuh/ft
Total high baseboard	0 ft
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.

11 Lakeside Drive, New Rochelle, NY 10801

Project Information

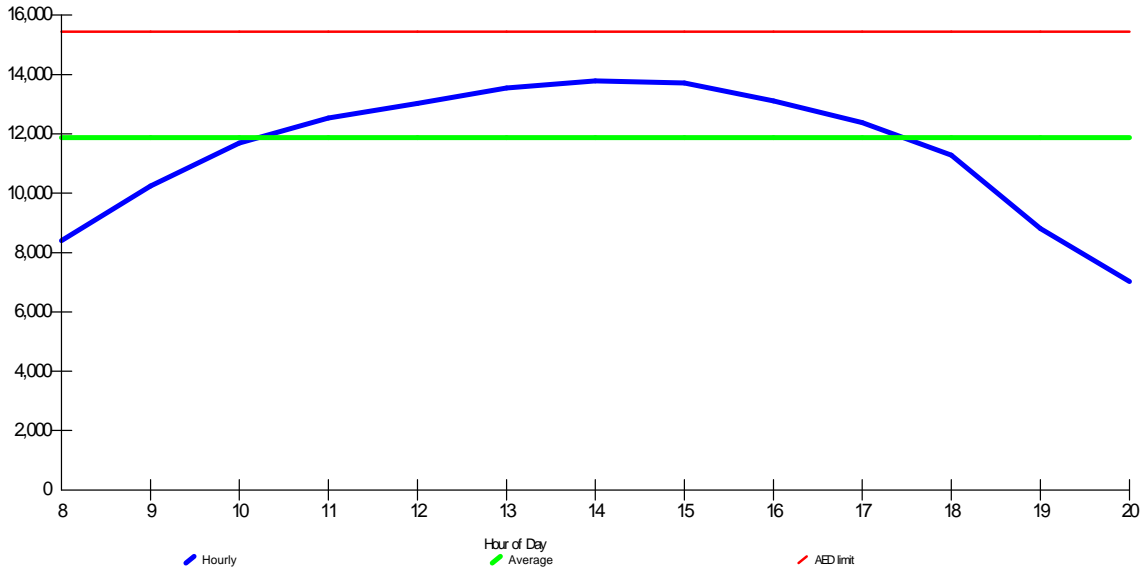
For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location:		Indoor:		Heating	Cooling
Westchester Co, NY, US		Indoor temperature (°F)		71	70
Elevation: 397 ft		Design TD (°F)		62	17
Latitude: 41°N		Relative humidity (%)		43	50
Outdoor:	Heating	Cooling	Infiltration:		
Drybulb (°F)	9	87	Moisture difference (gr/lb)		
Daily range (°F)	-	17 (M)	50.0		
Wet bulb (°F)	-	72	41.8		
Wind speed (mph)	15.0	7.5			

Test for Adequate Exposure Diversity

Hourly Glazing Load



Maximum hourly glazing load exceeds average by 16.1%.

House has adequate exposure diversity (AED), based on AED limit of 30%.

AED excursion: 0 Btuh

11 Lakeside Drive, New Rochelle, NY 10801

Project Information

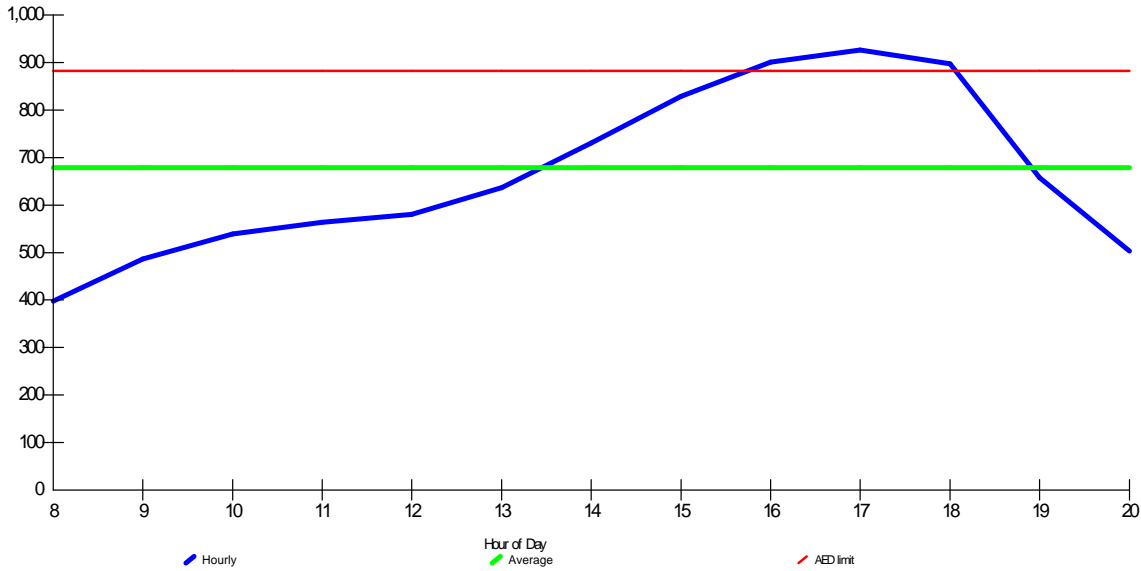
For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location:		Indoor:		Heating	Cooling
Westchester Co, NY, US		Indoor temperature (°F)		55	77
Elevation: 397 ft		Design TD (°F)		46	10
Latitude: 41°N		Relative humidity (%)		30	50
Outdoor:	Heating	Cooling	Infiltration:		
Drybulb (°F)	9	87	Moisture difference (gr/lb)		
Daily range (°F)	-	17 (M)	12.4		
Wet bulb (°F)	-	72	26.8		
Wind speed (mph)	15.0	7.5			

Test for Adequate Exposure Diversity

Hourly Glazing Load



Maximum hourly glazing load exceeds average by 36.5%.

Zone does not have adequate exposure diversity (AED), based on AED limit of 30%.

AED excursion: 209 Btuh (PFG - ALP)

11 Lakeside Drive, New Rochelle, NY 10801

Project Information

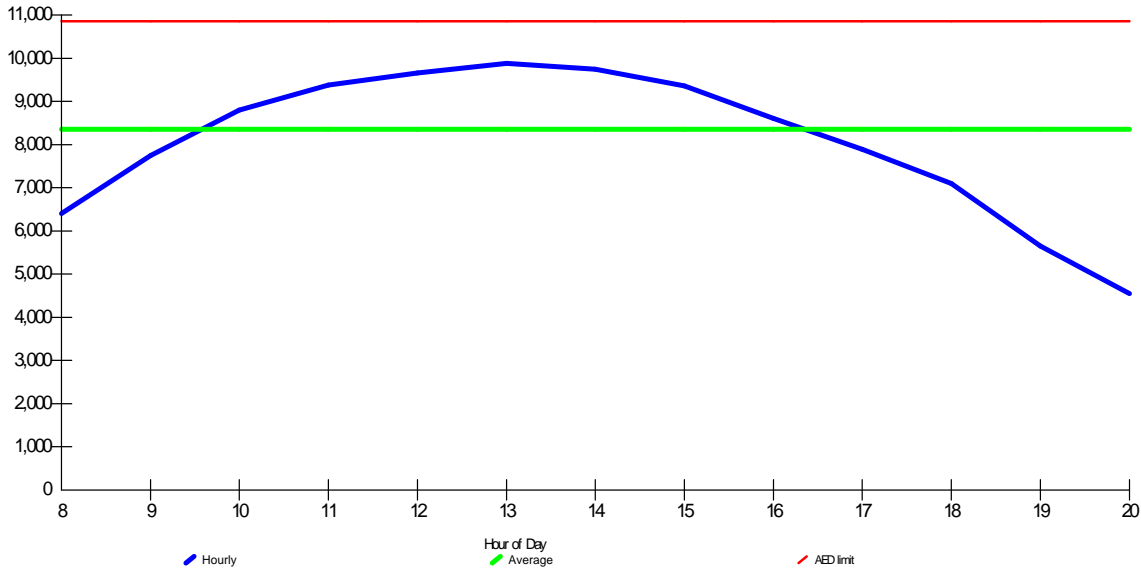
For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location:		Indoor:		Heating	Cooling
Westchester Co, NY, US		Indoor temperature (°F)		72	70
Elevation: 397 ft		Design TD (°F)		63	17
Latitude: 41°N		Relative humidity (%)		50	50
		Moisture difference (gr/lb)		52.3	41.8
Outdoor:	Heating	Cooling	Infiltration:		
Drybulb (°F)	9	87			
Daily range (°F)	-	17 (M)			
Wet bulb (°F)	-	72			
Wind speed (mph)	15.0	7.5			

Test for Adequate Exposure Diversity

Hourly Glazing Load



Maximum hourly glazing load exceeds average by 18.3%.

Zone has adequate exposure diversity (AED), based on AED limit of 30%.

AED excursion: 2190 Btuh (PFG - ALP)

Project Information

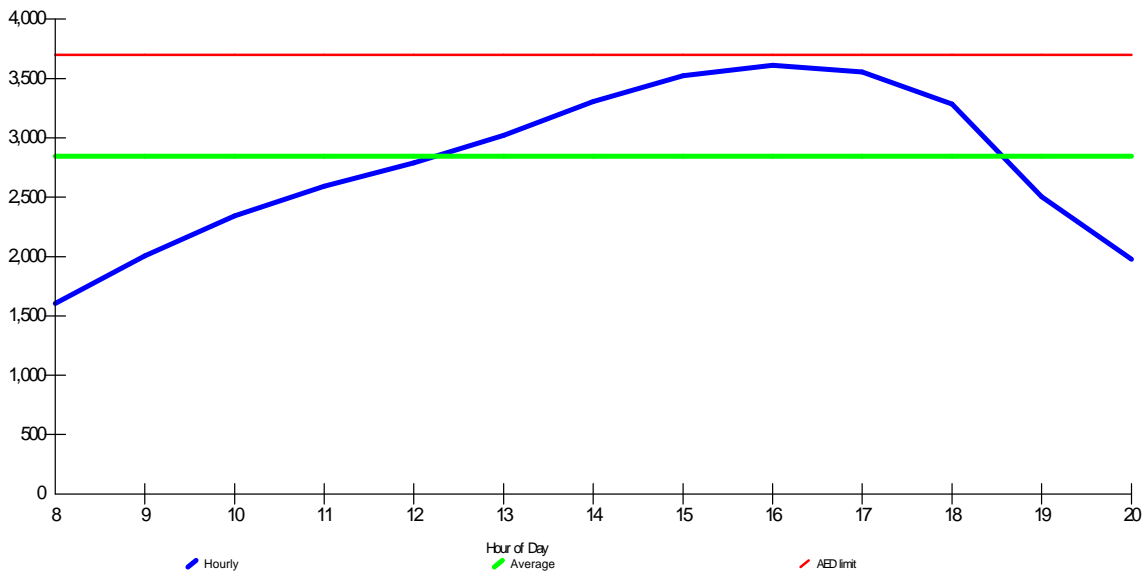
For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location:		Indoor:		Heating	Cooling
Westchester Co, NY, US		Indoor temperature (°F)		70	70
Elevation: 397 ft		Design TD (°F)		61	17
Latitude: 41°N		Relative humidity (%)		50	50
Outdoor:	Heating	Cooling	Infiltration:		
Drybulb (°F)	9	87	Moisture difference (gr/lb)		
Daily range (°F)	-	17 (M)	48.5		
Wet bulb (°F)	-	72	41.8		
Wind speed (mph)	15.0	7.5			

Test for Adequate Exposure Diversity

Hourly Glazing Load



Maximum hourly glazing load exceeds average by 26.9%.

Zone has adequate exposure diversity (AED), based on AED limit of 30%.

AED excursion: 919 Btuh (PFG - ALP)

11 Lakeside Drive, New Rochelle, NY 10801

				Entire House 423.6 ft				Downstairs 175.0 ft						
				8.3 ft				7.4 ft						
				3448.0 ft²				1509.0 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	12A-0sw	0.240	n	14.64	7.07	112	99	1444	697	0	0	0	0
	G	1D-c2ow	0.290	n	17.69	9.97	13	0	236	133	0	0	0	0
	W	12A-0sw	0.240	n	15.12	7.07	176	111	1675	783	176	111	1675	783
	G	1D-c2ow	0.290	n	18.27	9.97	65	0	1192	651	65	0	1192	651
11	W	12C-0sw	0.091	n	5.55	2.22	161	140	779	312	0	0	0	0
	G	1D-c2ow	0.290	n	17.69	9.97	13	0	236	133	0	0	0	0
	G	1D-c2ow	0.290	n	17.69	13.62	7	0	130	100	0	0	0	0
	W	15B-0s-10	0.488	n	3.18	0.00	153	141	448	0	0	0	0	0
	G	1D-c2ow	0.570	n	26.22	16.17	12	0	315	194	0	0	0	0
	W	15B-0s-8	0.488	n	-10.85	0.00	180	82	-890	0	0	0	0	0
	D	11J0	0.600	n	27.60	0.00	98	98	2705	0	0	0	0	0
	W	15B-10sfc-2	0.083	n	4.73	0.89	32	32	151	29	0	0	0	0
	W	15E13-0w-2	0.098	n	5.69	0.95	120	105	596	99	120	105	596	99
	G	1D-c2ow	0.290	n	18.27	9.97	15	0	278	152	15	0	278	152
	W	12A-0sw	0.240	e	14.64	7.07	88	75	1093	528	0	0	0	0
	G	1D-c2ow	0.290	e	17.69	30.20	13	0	236	403	0	0	0	0
	W	12A-0sw	0.240	e	15.12	7.07	375	287	4338	2028	375	287	4338	2028
	G	1A-c1om	1.270	e	80.01	91.54	32	0	2560	2929	32	0	2560	2929
	G	4A3-2ow	0.290	e	18.27	30.20	35	0	641	1060	35	0	641	1060
	D	11D0	0.390	e	24.57	11.49	21	21	516	241	21	21	516	241
	W	12C-0sw	0.091	e	5.55	2.22	18	18	100	40	0	0	0	0
	W	15B-0s-10	0.488	e	4.51	0.00	288	285	1284	0	0	0	0	0
	G	1D-c2ov	0.570	e	26.22	58.12	3	0	79	174	0	0	0	0
	W	15E11-0w-2	0.106	e	6.08	1.20	45	45	273	54	0	0	0	0
	W	15E11-0w-2	0.106	se	5.96	1.10	25	19	116	21	0	0	0	0
	G	1D-c2ow	0.570	se	34.77	53.92	6	0	209	324	0	0	0	0
	W	12A-0sw	0.240	s	15.12	7.07	364	299	4523	2114	364	299	4523	2114
	G	1A-c1om	1.270	s	80.01	52.67	26	0	2040	1343	26	0	2040	1343
	G	1A-c1om	1.270	s	80.01	52.67	18	0	1470	967	18	0	1470	967
	D	11D0	0.390	s	24.57	11.49	21	21	516	241	21	21	516	241
	W	15B-0s-10	0.488	s	4.69	0.00	333	333	1562	0	0	0	0	0
	W	15E11-0w-2	0.106	s	6.04	1.17	135	123	743	143	0	0	0	0
	G	1D-c2ow	0.570	s	34.77	33.08	12	0	417	397	0	0	0	0
	W	15E11-0w-2	0.106	sw	5.95	1.09	25	19	114	21	0	0	0	0
	G	1D-c2ow	0.570	sw	34.77	53.92	6	0	220	342	0	0	0	0
	W	12A-0sw	0.240	w	14.64	7.07	56	51	744	359	0	0	0	0
	G	1D-c2ow	0.290	w	17.69	48.08	5	0	91	248	0	0	0	0
	W	12A-0sw	0.240	w	15.12	7.07	266	251	3791	1772	266	251	3791	1772
	G	1D-c2ow	0.290	w	18.27	30.20	15	0	278	460	15	0	278	460
	W	12C-0sw	0.091	w	5.55	2.22	130	120	666	267	0	0	0	0
	G	1D-c2ow	0.290	w	17.69	30.20	10	0	177	302	0	0	0	0
	W	12C-0sw	0.091	w	5.73	2.22	48	43	248	96	48	43	248	96
	G	1D-c2ow	0.290	w	18.27	27.18	5	0	87	129	5	0	87	129
	W	15B-0s-10	0.488	w	3.73	0.00	117	111	414	0	0	0	0	0
	G	1D-c2ov	0.570	w	26.22	58.12	6	0	157	349	0	0	0	0
	W	15B-0s-8	0.488	w	6.13	0.00	171	159	975	0	0	0	0	0
	G	1D-c2ow	0.570	w	26.22	0.00	12	0	315	0	0	0	0	0
	W	15B-10sfc-2	0.083	w	4.82	0.98	38	38	184	37	0	0	0	0
	W	15E11-0w-2	0.106	w	6.06	1.18	129	124	749	146	0	0	0	0
	G	1D-c2ow	0.570	w	34.77	62.11	5	0	174	311	0	0	0	0
6	c) AED excursion												2190	
Envelope loss/gain									61307	37989			33185	22735
12	a) Infiltration								24937	3383			14803	2008
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0						0	
			Appliances/other										0	
Subtotal (lines 6 to 13)									86244	41372			47988	24743
Less external load									0	0			0	0
Less transfer									0	0			0	0
Redistribution									0	0			0	0
14	Subtotal								86244	41372			47988	24743
15	Duct loads						0%		0	0	0%		0	0
Total room load									86244	41372			47988	24743
Low/High Baseboard / Cool Air									172	123			96	69

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Upstairs 110.7 ft				Basement 138.0 ft						
2		Exposed wall				9.0 ft				9.0 ft						
3		Room height				835.0 ft²				1104.0 ft²						
4		Room dimensions														
5		Room area														
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)			
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool		
6	W	12A-0sw	0.240	n	14.64	7.07	112	99	1444	697	0	0	0	0		
	G	1D-c2ow	0.290	n	17.69	9.97	13	0	236	133	0	0	0	0		
	W	12A-0sw	0.240	n	15.12	7.07	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	18.27	9.97	0	0	0	0	0	0	0	0		
11	W	12C-0sw	0.091	n	5.55	2.22	161	140	779	312	0	0	0	0		
	G	1D-c2ow	0.290	n	17.69	9.97	13	0	236	133	0	0	0	0		
	G	1D-c2ow	0.290	n	17.69	13.62	7	0	130	100	0	0	0	0		
	W	15B-0s-10	0.488	n	3.18	0.00	0	0	0	0	153	141	448	0		
	G	1D-c2ow	0.570	n	26.22	16.17	0	0	0	0	12	0	315	194		
	W	15B-0s-8	0.488	n	-10.85	0.00	0	0	0	0	180	82	-890	0		
	D	11J0	0.600	n	27.60	0.00	0	0	0	0	98	98	2705	0		
	W	15B-10sfc-2	0.083	n	4.73	0.89	32	32	151	29	0	0	0	0		
	W	15E13-0w-2	0.098	n	5.69	0.95	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	18.27	9.97	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	e	14.64	7.07	88	75	1093	528	0	0	0	0		
	G	1D-c2ow	0.290	e	17.69	30.20	13	0	236	403	0	0	0	0		
	W	12A-0sw	0.240	e	15.12	7.07	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	e	80.01	91.54	0	0	0	0	0	0	0	0		
	G	4A3-2ow	0.290	e	18.27	30.20	0	0	0	0	0	0	0	0		
	D	11D0	0.390	e	24.57	11.49	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	e	5.55	2.22	18	18	100	40	0	0	0	0		
	W	15B-0s-10	0.488	e	4.51	0.00	0	0	0	0	288	285	1284	0		
	G	1D-c2ov	0.570	e	26.22	58.12	0	0	0	0	3	0	79	174		
	W	15E11-0w-2	0.106	e	6.08	1.20	45	45	273	54	0	0	0	0		
	W	15E11-0w-2	0.106	se	5.96	1.10	25	19	116	21	0	0	0	0		
	G	1D-c2ow	0.570	se	34.77	53.92	6	0	209	324	0	0	0	0		
	W	12A-0sw	0.240	s	15.12	7.07	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	s	80.01	52.67	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	s	80.01	52.67	0	0	0	0	0	0	0	0		
	D	11D0	0.390	s	24.57	11.49	0	0	0	0	0	0	0	0		
	W	15B-0s-10	0.488	s	4.69	0.00	0	0	0	0	333	333	1562	0		
	W	15E11-0w-2	0.106	s	6.04	1.17	135	123	743	143	0	0	0	0		
	G	1D-c2ow	0.570	s	34.77	33.08	12	0	417	397	0	0	0	0		
	W	15E11-0w-2	0.106	sw	5.95	1.09	25	19	114	21	0	0	0	0		
	G	1D-c2ow	0.570	sw	34.77	53.92	6	0	220	342	0	0	0	0		
	W	12A-0sw	0.240	w	14.64	7.07	56	51	744	359	0	0	0	0		
	G	1D-c2ow	0.290	w	17.69	48.08	5	0	91	248	0	0	0	0		
	W	12A-0sw	0.240	w	15.12	7.07	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	18.27	30.20	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	w	5.55	2.22	130	120	666	267	0	0	0	0		
	G	1D-c2ow	0.290	w	17.69	30.20	10	0	177	302	0	0	0	0		
	W	12C-0sw	0.091	w	5.73	2.22	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	18.27	27.18	0	0	0	0	0	0	0	0		
	W	15B-0s-10	0.488	w	3.73	0.00	0	0	0	0	117	111	414	0		
	G	1D-c2ov	0.570	w	26.22	58.12	0	0	0	0	6	0	157	349		
	W	15B-0s-8	0.488	w	6.13	0.00	0	0	0	0	171	159	975	0		
	G	1D-c2ow	0.570	w	26.22	0.00	0	0	0	0	12	0	315	0		
	W	15B-10sfc-2	0.083	w	4.82	0.98	38	38	184	37	0	0	0	0		
	W	15E11-0w-2	0.106	w	6.06	1.18	129	124	749	146	0	0	0	0		
	G	1D-c2ow	0.570	w	34.77	62.11	5	0	174	311	0	0	0	0		
6	c) AED excursion												209			
		Envelope loss/gain										8671		1375		
12	a) Infiltration								9815				320		0	
		b) Room ventilation								0				0		0
13	Internal gains:		Occupants @		230		0				0		0		0	
		Appliances/other								0				0		
		Subtotal (lines 6 to 13)								29266		18573		8990		1375
		Less external load								0		0		0		0
		Less transfer								0		0		0		0
		Redistribution								0		0		0		0
		Subtotal								29266		18573		8990		1375
14	Duct loads						0%		0%		0		0		0	
		Total room load								29266		18573		8990		1375
		Low/High Baseboard / Cool Air						59		42		1141		18		13

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Basement				PlayBoilerRoom				
2		Exposed wall				138.0 ft				33.0 ft				
3		Room height				9.0 ft				9.0 ft		heat/cool		
4		Room dimensions								1.0 x		281.0 ft		
5		Room area				1104.0 ft²				281.0 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	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	n	3.18	0.00	153	141	448	0	0	0	0	0
	G	1D-c2ow	0.570	n	26.22	16.17	12	0	315	194	0	0	0	0
	W	15B-0s-8	0.488	n	-10.85	0.00	180	82	-890	0	0	0	0	0
	D	11J0	0.600	n	27.60	0.00	98	98	2705	0	0	0	0	0
	W	15B-10sfc-2	0.083	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E13-0w-2	0.098	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	4A3-2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	D	11D0	0.390	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	e	4.51	0.00	288	285	1284	0	153	153	718	0
	G	1D-c2ov	0.570	e	26.22	58.12	3	0	79	174	0	0	0	0
	W	15E11-0w-2	0.106	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	se	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	se	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	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	15B-0s-10	0.488	s	4.69	0.00	333	333	1562	0	144	144	676	0
	W	15E11-0w-2	0.106	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
	W	15E11-0w-2	0.106	sw	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	sw	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	w	3.73	0.00	117	111	414	0	0	0	0	0
	G	1D-c2ov	0.570	w	26.22	58.12	6	0	157	349	0	0	0	0
	W	15B-0s-8	0.488	w	6.13	0.00	171	159	975	0	0	0	0	0
	G	1D-c2ow	0.570	w	26.22	0.00	12	0	315	0	0	0	0	0
	W	15B-10sfc-2	0.083	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion									209				-14
	Envelope loss/gain								8671	1375			2132	248
12	a) Infiltration								320	0			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								8990	1375			2132	248
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								8990	1375			2132	248
15	Duct loads								0%	0%			0	0
	Total room load								8990	1375			2132	248
	Low High Baseboard / Cool Air								18	13			4	15

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Garage 39.0 ft				Laundry Room 27.0 ft				
2		Exposed wall				9.0 ft heat only				9.0 ft heat/cool				
3		Room height				20.0 x 19.0 ft				17.0 x 10.0 ft				
4		Room dimensions				380.0 ft²				170.0 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	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	n	3.18	0.00	0	0	0	0	153	141	448	0
	G	1D-c2ow	0.570	n	26.22	16.17	0	0	0	0	12	0	315	194
	W	15B-0s-8	0.488	n	-10.85	0.00	180	82	-890	0	0	0	0	0
	D	11J0	0.600	n	27.60	0.00	98	98	2705	0	0	0	0	0
	W	15B-10sfc-2	0.083	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E13-0w-2	0.098	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	4A3-2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	D	11D0	0.390	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	e	4.51	0.00	0	0	0	0	90	87	355	0
	G	1D-c2ov	0.570	e	26.22	58.12	0	0	0	0	3	0	79	174
	W	15E11-0w-2	0.106	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	se	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	se	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	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	15B-0s-10	0.488	s	4.69	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	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
	W	15E11-0w-2	0.106	sw	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	sw	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	w	3.73	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	26.22	58.12	0	0	0	0	0	0	0	0
	W	15B-0s-8	0.488	w	6.13	0.00	171	159	975	6.13	0	0	0	0
	G	1D-c2ow	0.570	w	26.22	0.00	12	0	315	0	0	0	0	0
	W	15B-10sfc-2	0.083	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion													49
	Envelope loss/gain								3367	0			1314	479
12	a) Infiltration								320	0			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								3687	0			1314	479
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								3687	0			1314	479
15	Duct loads								-0%	0%			0	0
	Total room load								3687	0			1314	479
	Low/High Baseboard / Cool Air								7	5			3	29

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

11 Lakeside Drive, New Rochelle, NY 10801

						Future Bedroom								
1	Room name					39.0 ft								
2	Exposed wall					9.0 ft		heat/cool						
3	Room height					21.0 x 13.0 ft								
4	Room dimensions					273.0 ft²								
5	Room area													
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area or perimeter		Load	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	n	3.18	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	n	26.22	16.17	0	0	0	0	0	0	0	0
	W	15B-0s-8	0.488	n	-10.85	0.00	0	0	0	0	0	0	0	0
	D	11J0	0.600	n	27.60	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E13-0w-2	0.098	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	4A3-2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	D	11D0	0.390	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	e	4.51	0.00	45	45	211	0	0	0	0	0
	G	1D-c2ov	0.570	e	26.22	58.12	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	se	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	se	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	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	15B-0s-10	0.488	s	4.69	0.00	189	189	887	0	0	0	0	0
	W	15E11-0w-2	0.106	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
	W	15E11-0w-2	0.106	sw	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	sw	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	w	3.73	0.00	117	111	414	0	0	0	0	0
	G	1D-c2ov	0.570	w	26.22	58.12	6	0	157	349	0	0	0	0
	W	15B-0s-8	0.488	w	6.13	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	26.22	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion									175				
	Envelope loss/gain								1858	647				
12	a) Infiltration								0	0				
	b) Room ventilation								0	0				
13	Internal gains:		Occupants @	230			0			0				
			Appliances/other							0				
	Subtotal (lines 6 to 13)								1858	647				
	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
14	Subtotal								1858	647				
15	Duct loads								0	0				
	Total room load								1858	647				
	Low/High Baseboard / Cool Air						4		3	40				

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Downstairs				Office						
2		Exposed wall				7.4 ft		175.0 ft		8.0 ft		18.0 ft				
3		Room height								8.0 ft		heat/cool				
4		Room dimensions								8.0		x 10.0 ft				
5		Room area				1509.0 ft²				80.0 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	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	n	15.12	7.07	176	111	1675	783	64	50	761	356		
	G	1D-c2ow	0.290	n	18.27	9.97	65	0	1192	651	14	0	250	136		
11	W	12C-0sw	0.091	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0		
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-10sfc-2	0.083	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E13-0w-2	0.098	n	5.69	0.95	120	105	596	99	0	0	0	0		
	G	1D-c2ow	0.290	n	18.27	9.97	15	0	278	152	0	0	0	0		
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	e	15.12	7.07	375	287	4338	2028	0	0	0	0		
	G	1A-c1om	1.270	e	80.01	91.54	32	0	2560	2929	0	0	0	0		
	G	4A3-2ow	0.290	e	18.27	30.20	35	0	641	1060	0	0	0	0		
	D	11D0	0.390	e	24.57	11.49	21	21	516	241	0	0	0	0		
	W	12C-0sw	0.091	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	se	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	se	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	s	15.12	7.07	364	299	4523	2114	0	0	0	0		
	G	1A-c1om	1.270	s	80.01	52.67	26	0	2040	1343	0	0	0	0		
	G	1A-c1om	1.270	s	80.01	52.67	18	0	1470	967	0	0	0	0		
	D	11D0	0.390	s	24.57	11.49	21	21	516	241	0	0	0	0		
	W	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	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		
	W	15E11-0w-2	0.106	sw	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	sw	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	w	15.12	7.07	266	251	3791	1772	80	80	1210	565		
	G	1D-c2ow	0.290	w	18.27	30.20	15	0	278	460	0	0	0	0		
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	w	5.73	2.22	48	43	248	96	0	0	0	0		
	G	1D-c2ow	0.290	w	18.27	27.18	5	0	87	129	0	0	0	0		
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-10sfc-2	0.083	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
6	c) AED excursion								2190				22			
		Envelope loss/gain						33185		22735		2220		1080		
12	a) Infiltration								14803				1616		219	
	b) Room ventilation								0				0		0	
13	Internal gains:		Occupants @ 230				0		0		0		0		0	
			Appliances/other						0				0		0	
		Subtotal (lines 6 to 13)						47988		24743		3836		1299		
		Less external load						0		0		0		0		
		Less transfer						0		0		0		0		
		Redistribution						0		0		0		0		
14			Subtotal						47988		24743		3836		1299	
15			Duct loads		0%		0%		0		0		-0%		0	
		Total room load						47988		24743		3836		1299		
		Low/High Baseboard / Cool Air				96		69		1520		8		5		

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Turtle Room 30.0 ft				Guest Bathroom 6.0 ft				
2		Exposed wall				8.0 ft heat/cool				8.0 ft heat/cool				
3		Room height				14.0 x 16.0 ft				5.0 x 6.0 ft				
4		Room dimensions				224.0 ft²				30.0 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	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	n	15.12	7.07	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	18.27	9.97	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E13-0w-2	0.098	n	5.69	0.95	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	18.27	9.97	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	15.12	7.07	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	e	80.01	91.54	0	0	0	0	0	0	0	0
	G	4A3-2ow	0.290	e	18.27	30.20	0	0	0	0	0	0	0	0
	D	11D0	0.390	e	24.57	11.49	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	se	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	se	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	s	15.12	7.07	112	94	1416	662	0	0	0	0
	G	1A-c1om	1.270	s	80.01	52.67	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	s	80.01	52.67	18	0	1470	967	0	0	0	0
	D	11D0	0.390	s	24.57	11.49	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	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
	W	15E11-0w-2	0.106	sw	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	sw	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	15.12	7.07	128	113	1705	797	0	0	0	0
	G	1D-c2ow	0.290	w	18.27	30.20	15	0	278	460	0	0	0	0
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	5.73	2.22	0	0	0	0	48	43	248	96
	G	1D-c2ow	0.290	w	18.27	27.18	0	0	0	0	5	0	87	129
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion									838				65
	Envelope loss/gain								4869	3724			335	290
12	a) Infiltration								2693	365			539	73
	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)								7562	4090			873	363
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								7562	4090			873	363
15	Duct loads								-0%	0%			0	0
	Total room load								7562	4090			873	363
	Low/High Baseboard / Cool Air								15	11			2	22

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Family Room 26.0 ft				Fourier 4.0 ft				
2		Exposed wall				8.0 ft				10.0 ft				
3		Room height				14.0 x 11.0 ft				4.0 x 5.0 ft				
4		Room dimensions				154.0 ft²				20.0 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	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	n	15.12	7.07	112	60	914	427	0	0	0	0
	G	1D-c2ow	0.290	n	18.27	9.97	52	0	942	514	0	0	0	0
11	W	12C-0sw	0.091	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E13-0w-2	0.098	n	5.69	0.95	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	18.27	9.97	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	15.12	7.07	88	32	482	225	0	0	0	0
	G	1A-c1om	1.270	e	80.01	91.54	0	0	0	0	0	0	0	0
	G	4A3-2ow	0.290	e	18.27	30.20	35	0	641	1060	0	0	0	0
	D	11D0	0.390	e	24.57	11.49	21	21	516	241	0	0	0	0
	W	12C-0sw	0.091	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	se	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	se	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	s	15.12	7.07	0	0	0	0	40	19	287	134
	G	1A-c1om	1.270	s	80.01	52.67	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	s	80.01	52.67	0	0	0	0	0	0	0	0
	D	11D0	0.390	s	24.57	11.49	0	0	0	0	21	21	516	241
	W	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	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
	W	15E11-0w-2	0.106	sw	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	sw	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	15.12	7.07	8	8	121	57	0	0	0	0
	G	1D-c2ow	0.290	w	18.27	30.20	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	5.73	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	18.27	27.18	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion									309				-9
	Envelope loss/gain								3630	2833			803	366
12	a) Infiltration								2334	317			449	61
	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)								5964	3150			1252	427
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
	Subtotal								5964	3150			1252	427
14	Duct loads								-0%	0%			0	0
15	Total room load								5964	3150			1252	427
	Low/High Baseboard / Cool Air								9	193			2	26

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Closet				Living Room				
2		Exposed wall				8.0 ft				33.0 ft				
3		Room height				10.0 ft		heat/cool		8.0 ft		heat/cool		
4		Room dimensions				3.0 x 5.0 ft				23.0 x 17.0 ft				
5		Room area				15.0 ft²				391.0 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	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	n	15.12	7.07	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	18.27	9.97	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E13-0w-2	0.098	n	5.69	0.95	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	18.27	9.97	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	15.12	7.07	50	50	756	353	136	104	1572	735
	G	1A-c1om	1.270	e	80.01	91.54	0	0	0	0	32	0	2560	2929
	G	4A3-2ow	0.290	e	18.27	30.20	0	0	0	0	0	0	0	0
	D	11D0	0.390	e	24.57	11.49	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	se	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	se	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	s	15.12	7.07	30	30	454	212	128	103	1550	724
	G	1A-c1om	1.270	s	80.01	52.67	0	0	0	0	26	0	2040	1343
	G	1A-c1om	1.270	s	80.01	52.67	0	0	0	0	0	0	0	0
	D	11D0	0.390	s	24.57	11.49	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	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
	W	15E11-0w-2	0.106	sw	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	sw	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	15.12	7.07	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	18.27	30.20	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	5.73	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	18.27	27.18	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion													1087
	Envelope loss/gain								1230	567			7723	6818
12	a) Infiltration								898	122			2963	402
	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)								2128	689			10686	7220
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
	Subtotal								2128	689			10686	7220
14	Duct loads								-0%	0%			0	0
15	Total room load								2128	689			10686	7220
	Low/High Baseboard / Cool Air								4	3			15	443

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name		Kitchen 15.0 ft 8.0 ft heat/cool 1.0 x 204.0 ft 204.0 ft²						Upper Living Room 35.0 ft 5.7 ft heat/cool 23.0 x 17.0 ft 391.0 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	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	n	15.12	7.07	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	n	18.27	9.97	0	0	0	0	0	0	0	0	
11	W	12C-0sw	0.091	n	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0	
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15B-10sfc-2	0.083	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15E13-0w-2	0.098	n	5.69	0.95	120	105	596	99	0	0	0	0	
	G	1D-c2ow	0.290	n	18.27	9.97	15	0	278	152	0	0	0	0	
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	e	15.12	7.07	0	0	0	0	101	101	1527	714	
	G	1A-c1om	1.270	e	80.01	91.54	0	0	0	0	0	0	0	0	
	G	4A3-2ow	0.290	e	18.27	30.20	0	0	0	0	0	0	0	0	
	D	11D0	0.390	e	24.57	11.49	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15E11-0w-2	0.106	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15E11-0w-2	0.106	se	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	se	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	s	15.12	7.07	0	0	0	0	54	54	816	382	
	G	1A-c1om	1.270	s	80.01	52.67	0	0	0	0	0	0	0	0	
	G	1A-c1om	1.270	s	80.01	52.67	0	0	0	0	0	0	0	0	
	D	11D0	0.390	s	24.57	11.49	0	0	0	0	0	0	0	0	
	W	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15E11-0w-2	0.106	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	
	W	15E11-0w-2	0.106	sw	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	sw	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	w	15.12	7.07	0	0	0	0	50	50	756	353	
	G	1D-c2ow	0.290	w	18.27	30.20	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	5.73	2.22	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	w	18.27	27.18	0	0	0	0	0	0	0	0	
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15B-10sfc-2	0.083	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15E11-0w-2	0.106	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0	
6	c)	AED excursion								47				-153	
		Envelope loss/gain							874	298			11502	6757	
12	a)	Infiltration							1010	137			2301	312	
	b)	Room ventilation							0	0			0	0	
13		Internal gains:	Occupants @	230					0	0			0	0	
			Appliances/other						0	0			0	0	
		Subtotal (lines 6 to 13)							1884	435			13803	7070	
		Less external load							0	0			0	0	
		Less transfer							0	0			0	0	
		Redistribution							0	0			0	0	
14		Subtotal							1884	435			13803	7070	
15		Duct loads							-0%	0%			0	0	
		Total room load							1884	435			13803	7070	
		Low/High Baseboard / Cool Air							4	3			28	20	

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Upstairs				Guest Bedroom						
2		Exposed wall				110.7 ft				26.0 ft						
3		Room height				9.0 ft				8.0 ft		heat/cool				
4		Room dimensions								14.0 x		11.0 ft				
5		Room area				835.0 ft²				154.0 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	12A-0sw	0.240	n	14.64	7.07	112	99	1444	697	112	99	1444	697		
	G	1D-c2ow	0.290	n	17.69	9.97	13	0	236	133	13	0	236	133		
	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0		
11	W	12C-0sw	0.091	n	5.55	2.22	161	140	779	312	0	0	0	0		
	G	1D-c2ow	0.290	n	17.69	9.97	13	0	236	133	0	0	0	0		
	G	1D-c2ow	0.290	n	17.69	13.62	7	0	130	100	0	0	0	0		
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0		
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-10sfc-2	0.083	n	4.73	0.89	32	32	151	29	0	0	0	0		
	W	15E13-0w-2	0.098	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	e	14.64	7.07	88	75	1093	528	88	75	1093	528		
	G	1D-c2ow	0.290	e	17.69	30.20	13	0	236	403	13	0	236	403		
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	4A3-2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0		
	D	11D0	0.390	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	e	5.55	2.22	18	18	100	40	0	0	0	0		
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	e	6.08	1.20	45	45	273	54	0	0	0	0		
	W	15E11-0w-2	0.106	se	5.96	1.10	25	19	116	21	0	0	0	0		
	G	1D-c2ow	0.570	se	34.77	53.92	6	0	209	324	0	0	0	0		
	W	12A-0sw	0.240	s	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	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	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	s	6.04	1.17	135	123	743	143	0	0	0	0		
	G	1D-c2ow	0.570	s	34.77	33.08	12	0	417	397	0	0	0	0		
	W	15E11-0w-2	0.106	sw	5.95	1.09	25	19	114	21	0	0	0	0		
	G	1D-c2ow	0.570	sw	34.77	53.92	6	0	220	342	0	0	0	0		
	W	12A-0sw	0.240	w	14.64	7.07	56	51	744	359	8	8	117	57		
	G	1D-c2ow	0.290	w	17.69	48.08	5	0	91	248	0	0	0	0		
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	w	5.55	2.22	130	120	666	267	0	0	0	0		
	G	1D-c2ow	0.290	w	17.69	30.20	10	0	177	302	0	0	0	0		
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-10sfc-2	0.083	w	4.82	0.98	38	38	184	37	0	0	0	0		
	W	15E11-0w-2	0.106	w	6.06	1.18	129	124	749	146	0	0	0	0		
	G	1D-c2ow	0.570	w	34.77	62.11	5	0	174	311	0	0	0	0		
6	c) AED excursion								919				103			
		Envelope loss/gain						19451		17198				2181		
12	a) Infiltration								9815				317			
	b) Room ventilation								0				0			
13	Internal gains:		Occupants @ 230				0		0		0		0			
			Appliances/other						0				0			
		Subtotal (lines 6 to 13)						29266		18573				2498		
		Less external load						0		0				0		
		Less transfer						0		0				0		
		Redistribution						0		0				0		
14			Subtotal						29266		18573				2498	
15			Duct loads				0%		0%		-0%		0%		0	
		Total room load						29266		18573				2498		
		Low/High Baseboard / Cool Air						59		42		11		8		

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Master Bathroom 6.0 ft				Perls Bedroom 24.0 ft						
2		Exposed wall				8.0 ft		heat/cool		8.0 ft		heat/cool				
3		Room height				10.0		x 6.0 ft		10.0		x 14.0 ft				
4		Room dimensions				60.0 ft²				140.0 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	12A-0sw	0.240	n	14.64	7.07	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0		
11	W	12C-0sw	0.091	n	5.55	2.22	0	0	0	0	80	67	370	148		
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0	13	0	236	133		
	G	1D-c2ow	0.290	n	17.69	13.62	0	0	0	0	0	0	0	0		
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0		
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-10sfc-2	0.083	n	4.73	0.89	0	0	0	0	0	0	0	0		
	W	15E13-0w-2	0.098	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	e	14.64	7.07	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	e	17.69	30.20	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	4A3-2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0		
	D	11D0	0.390	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	e	5.55	2.22	0	0	0	0	0	0	0	0		
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	e	6.08	1.20	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	se	5.96	1.10	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	se	34.77	53.92	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	s	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	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	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	s	6.04	1.17	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	s	34.77	33.08	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	sw	5.95	1.09	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	sw	34.77	53.92	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	w	14.64	7.07	48	43	627	303	0	0	0	0		
	G	1D-c2ow	0.290	w	17.69	48.08	5	0	91	248	0	0	0	0		
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	w	5.55	2.22	0	0	0	0	112	102	566	227		
	G	1D-c2ow	0.290	w	17.69	30.20	0	0	0	0	10	0	177	302		
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-10sfc-2	0.083	w	4.82	0.98	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	w	6.06	1.18	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	w	34.77	62.11	0	0	0	0	0	0	0	0		
6	c) AED excursion								137				180			
		Envelope loss/gain						836		790		1622		1228		
12	a) Infiltration								522		73		2086		292	
	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)						1357		863		3709		1520		
		Less external load						0		0		0		0		
		Less transfer						0		0		0		0		
		Redistribution						0		0		0		0		
14	Subtotal								1357		863		3709		1520	
15	Duct loads						-0%		0%		0		0		0	
		Total room load						1357		863		3709		1520		
		Low/High Baseboard / Cool Air						3		2		7		5		

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Guest Closet 4.0 ft				Hall Closet 0 ft					
2		Exposed wall				8.0 ft				8.0 ft					
3		Room height				4.0 x 4.0 ft				4.0 x 2.0 ft					
4		Room dimensions				16.0 ft²				8.0 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	12A-0sw	0.240	n	14.64	7.07	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0	
11	W	12C-0sw	0.091	n	5.55	2.22	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	n	17.69	13.62	0	0	0	0	0	0	0	0	
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0	
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15B-10sfc-2	0.083	n	4.73	0.89	32	32	151	29	0	0	0	0	
	W	15E13-0w-2	0.098	n	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	e	14.64	7.07	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	e	17.69	30.20	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1A-c1om	1.270	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	4A3-2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0	
	D	11D0	0.390	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	5.55	2.22	0	0	0	0	0	0	0	0	
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15E11-0w-2	0.106	e	6.08	1.20	0	0	0	0	0	0	0	0	
	W	15E11-0w-2	0.106	se	5.96	1.10	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	se	34.77	53.92	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	s	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1A-c1om	1.270	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	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15E11-0w-2	0.106	s	6.04	1.17	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	s	34.77	33.08	0	0	0	0	0	0	0	0	
	W	15E11-0w-2	0.106	sw	5.95	1.09	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	sw	34.77	53.92	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	w	14.64	7.07	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	w	17.69	48.08	0	0	0	0	0	0	0	0	
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	5.55	2.22	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	w	17.69	30.20	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15B-10sfc-2	0.083	w	4.82	0.98	0	0	0	0	0	0	0	0	
	W	15E11-0w-2	0.106	w	6.06	1.18	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	w	34.77	62.11	0	0	0	0	0	0	0	0	
6	c) AED excursion												-2		
		Envelope loss/gain										183		54	
12	a) Infiltration								261				37		
		b) Room ventilation								0				0	
13	Internal gains:		Occupants @ 230				0				0		0		
		Appliances/other								0				0	
		Subtotal (lines 6 to 13)								443		91			
		Less external load								0				0	
		Less transfer								0				0	
		Redistribution								0				0	
14			Subtotal								443		91		
15			Duct loads				-0%		0%		0		0		
		Total room load								443		91			
		Low/High Baseboard / Cool Air						1		1		6		0	

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Master Clst				Master Fourier				
2		Exposed wall				0 ft				0 ft				
3		Room height				9.0 ft				11.7 ft				
4		Room dimensions				2.0 x 3.0 ft				1.0 x 48.0 ft				
5		Room area				6.0 ft²				48.0 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	12A-0sw	0.240	n	14.64	7.07	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	n	5.55	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	17.69	13.62	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	n	4.73	0.89	0	0	0	0	0	0	0	0
	W	15E13-0w-2	0.098	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	14.64	7.07	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	e	17.69	30.20	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	4A3-2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0
	D	11D0	0.390	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	e	5.55	2.22	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	e	6.08	1.20	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	se	5.96	1.10	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	se	34.77	53.92	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	1A-c1om	1.270	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	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	s	6.04	1.17	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	s	34.77	33.08	0	0	0	0	0	0	0	0
	W	15E11-0w-2	0.106	sw	5.95	1.09	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	sw	34.77	53.92	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	14.64	7.07	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	17.69	48.08	0	0	0	0	0	0	0	0
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	5.55	2.22	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	17.69	30.20	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0
	W	15B-10sfc-2	0.083	w	4.82	0.98	0	0	0	0	18	18	85	17
	W	15E11-0w-2	0.106	w	6.06	1.18	0	0	0	0	0	0	0	0
	G	1D-c2ow	0.570	w	34.77	62.11	0	0	0	0	0	0	0	0
6	c) AED excursion													-8
	Envelope loss/gain								12	10			745	459
12	a) Infiltration								0	0			159	22
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0				0	0		0
			Appliances/other											0
	Subtotal (lines 6 to 13)								12	10			904	481
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								12	10			904	481
15	Duct loads								-0%	0%			0	0
	Total room load								12	10			904	481
	Low/High Baseboard / Cool Air								0	0	1	2	1	30

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Kids Bath 13.0 ft				Master Bedroom 37.7 ft						
2		Exposed wall				9.0 ft		1.0 x 62.0 ft		9.4 ft		1.0 x 240.0 ft				
3		Room height				heat/cool				heat/cool						
4		Room dimensions				62.0 ft²				240.0 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	12A-0sw	0.240	n	14.64	7.07	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0		
11	W	12C-0sw	0.091	n	5.55	2.22	81	74	409	164	0	0	0	0		
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	17.69	13.62	7	0	130	100	0	0	0	0		
	W	15B-0s-10	0.488	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	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0	0	0	0	0		
	D	11J0	0.600	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-10sfc-2	0.083	n	4.73	0.89	0	0	0	0	0	0	0	0		
	W	15E13-0w-2	0.098	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	e	14.64	7.07	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	e	17.69	30.20	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	4A3-2ow	0.290	e	0.00	0.00	0	0	0	0	0	0	0	0		
	D	11D0	0.390	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	e	5.55	2.22	18	18	100	40	0	0	0	0		
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	e	6.08	1.20	0	0	0	0	45	45	273	54		
	W	15E11-0w-2	0.106	se	5.96	1.10	0	0	0	0	25	19	116	21		
	G	1D-c2ow	0.570	se	34.77	53.92	0	0	0	0	6	0	209	324		
	W	12A-0sw	0.240	s	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1A-c1om	1.270	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	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	s	6.04	1.17	0	0	0	0	135	123	743	143		
	G	1D-c2ow	0.570	s	34.77	33.08	0	0	0	0	12	0	417	397		
	W	15E11-0w-2	0.106	sw	5.95	1.09	0	0	0	0	25	19	114	21		
	G	1D-c2ow	0.570	sw	34.77	53.92	0	0	0	0	6	0	220	342		
	W	12A-0sw	0.240	w	14.64	7.07	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	17.69	48.08	0	0	0	0	0	0	0	0		
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	w	5.55	2.22	18	18	100	40	0	0	0	0		
	G	1D-c2ow	0.290	w	17.69	30.20	0	0	0	0	0	0	0	0		
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15B-10sfc-2	0.083	w	4.82	0.98	0	0	0	0	0	0	0	0		
	W	15E11-0w-2	0.106	w	6.06	1.18	0	0	0	0	129	124	749	146		
	G	1D-c2ow	0.570	w	34.77	62.11	0	0	0	0	5	0	174	311		
6	c) AED excursion								10				538			
		Envelope loss/gain						2101		1971		8230		8131		
12	a) Infiltration								1271		178		3074		431	
		b) Room ventilation						0		0		0		0		
13	Internal gains:		Occupants @ 230		Appliances/other		0		0		0		0		0	
		Subtotal (lines 6 to 13)						3373		2149		11304		8562		
		Less external load						0		0		0		0		
		Less transfer						0		0		0		0		
		Redistribution						0		0		0		0		
14	Subtotal								3373		2149		11304		8562	
15	Duct loads						-0%		0%		-0%		0%		0	
		Total room load						3373		2149		11304		8562		
		Low/High Baseboard / Cool Air						7		5		23		16		

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Room name				Hallway								
2		Exposed wall				0 ft								
3		Room height				10.6 ft		heat/cool						
4		Room dimensions				1.0 x 101.0 ft								
5		Room area				101.0 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	12A-0sw	0.240	n	14.64	7.07	0	0	0	0				
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0				
	W	12A-0sw	0.240	n	0.00	0.00	0	0	0	0				
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0				
11	W	12C-0sw	0.091	n	5.55	2.22	0	0	0	0				
	G	1D-c2ow	0.290	n	17.69	9.97	0	0	0	0				
	G	1D-c2ow	0.290	n	17.69	13.62	0	0	0	0				
	W	15B-0s-10	0.488	n	0.00	0.00	0	0	0	0				
	G	1D-c2ow	0.570	n	0.00	0.00	0	0	0	0				
	W	15B-0s-8	0.488	n	0.00	0.00	0	0	0	0				
	D	11J0	0.600	n	0.00	0.00	0	0	0	0				
	W	15B-10sfc-2	0.083	n	4.73	0.89	0	0	0	0				
	W	15E13-0w-2	0.098	n	0.00	0.00	0	0	0	0				
	G	1D-c2ow	0.290	n	0.00	0.00	0	0	0	0				
	W	12A-0sw	0.240	e	14.64	7.07	0	0	0	0				
	G	1D-c2ow	0.290	e	17.69	30.20	0	0	0	0				
	W	12A-0sw	0.240	e	0.00	0.00	0	0	0	0				
	G	1A-c1om	1.270	e	0.00	0.00	0	0	0	0				
	G	4A3-2ow	0.290	e	0.00	0.00	0	0	0	0				
	D	11D0	0.390	e	0.00	0.00	0	0	0	0				
	W	12C-0sw	0.091	e	5.55	2.22	0	0	0	0				
	W	15B-0s-10	0.488	e	0.00	0.00	0	0	0	0				
	G	1D-c2ov	0.570	e	0.00	0.00	0	0	0	0				
	W	15E11-0w-2	0.106	e	6.08	1.20	0	0	0	0				
	W	15E11-0w-2	0.106	se	5.96	1.10	0	0	0	0				
	G	1D-c2ow	0.570	se	34.77	53.92	0	0	0	0				
	W	12A-0sw	0.240	s	0.00	0.00	0	0	0	0				
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0				
	G	1A-c1om	1.270	s	0.00	0.00	0	0	0	0				
	D	11D0	0.390	s	0.00	0.00	0	0	0	0				
	W	15B-0s-10	0.488	s	0.00	0.00	0	0	0	0				
	W	15E11-0w-2	0.106	s	6.04	1.17	0	0	0	0				
	G	1D-c2ow	0.570	s	34.77	33.08	0	0	0	0				
	W	15E11-0w-2	0.106	sw	5.95	1.09	0	0	0	0				
	G	1D-c2ow	0.570	sw	34.77	53.92	0	0	0	0				
	W	12A-0sw	0.240	w	14.64	7.07	0	0	0	0				
	G	1D-c2ow	0.290	w	17.69	48.08	0	0	0	0				
	W	12A-0sw	0.240	w	0.00	0.00	0	0	0	0				
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0				
	W	12C-0sw	0.091	w	5.55	2.22	0	0	0	0				
	G	1D-c2ow	0.290	w	17.69	30.20	0	0	0	0				
	W	12C-0sw	0.091	w	0.00	0.00	0	0	0	0				
	G	1D-c2ow	0.290	w	0.00	0.00	0	0	0	0				
	W	15B-0s-10	0.488	w	0.00	0.00	0	0	0	0				
	G	1D-c2ov	0.570	w	0.00	0.00	0	0	0	0				
	W	15B-0s-8	0.488	w	0.00	0.00	0	0	0	0				
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0				
	W	15B-10sfc-2	0.083	w	4.82	0.98	21	21	99	20				
	W	15E11-0w-2	0.106	w	6.06	1.18	0	0	0	0				
	G	1D-c2ow	0.570	w	34.77	62.11	0	0	0	0				
6	c) AED excursion													
	Envelope loss/gain								2281	2360				
12	a) Infiltration								181	25				
	b) Room ventilation								0	0				
13	Internal gains:		Occupants @	230			0			0				
			Appliances/other							0				
	Subtotal (lines 6 to 13)								2462	2385				
	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
14	Subtotal								2462	2385				
15	Duct loads						-0%	0%	0	0				
	Total room load								2462	2385				
	Low/High Baseboard / Cool Air								5	4				

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Name of Room				Entire House				Downstairs			
2		Running Feet of Exposed Wall				423.6 ft				175.0 ft			
3		Ceiling Ht (Ft) and Gross Wall Area (SqFt)				8.3 ft 8069.6 ft²				7.4 ft 3021.1 ft²			
4		Room Dimensions (Ft) and Floor Plan Area (SqFt)				3448.0 ft²				1509.0 ft²			
5		Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)				12875.9 ft²				6504.7 ft²			
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Lenght	Btuh			Area or Lenght	Btuh			
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg	
6	Wall	12A-0sw	n	14.64	7.07	112	1444	697		0	0	0	
	Glaz	1D-c2ow	n	17.69	9.97	13	236	133		0	0	0	
.	Wall	12A-0sw	n	15.12	7.07	176	1675	783		176	1675	783	
	Glaz	1D-c2ow	n	18.27	9.97	65	1192	651		65	1192	651	
11	Wall	12C-0sw	n	5.55	2.22	161	779	312		0	0	0	
	Glaz	1D-c2ow	n	17.69	9.97	13	236	133		0	0	0	
.	Wall	12C-0sw	n	17.69	13.62	7	130	100		0	0	0	
	Glaz	1D-c2ow	n	17.69	13.62	7	130	100		0	0	0	
.	Wall	15B-0s-10	n	3.18	0.00	153	448	0		0	0	0	
	Glaz	1D-c2ow	n	26.22	16.17	12	315	194		0	0	0	
.	Wall	15B-0s-8	n	-10.85	0.00	180	-890	0		0	0	0	
	Door	11J0	n	27.60	0.00	98	2705	0		0	0	0	
.	Wall	15B-10sfc-2	n	4.73	0.89	32	151	29		0	0	0	
	Wall	15E13-0w-2	n	5.69	0.95	120	596	99		120	596	99	
.	Glaz	1D-c2ow	n	18.27	9.97	15	278	152		15	278	152	
	Wall	12A-0sw	e	14.64	7.07	88	1093	528		0	0	0	
.	Glaz	1D-c2ow	e	17.69	30.20	13	236	403		0	0	0	
	Wall	12A-0sw	e	15.12	7.07	375	4338	2028		375	4338	2028	
.	Glaz	1A-c10m	e	80.01	91.54	32	2560	2929		32	2560	2929	
	Glaz	4A3-2ow	e	18.27	30.20	35	641	1060		35	641	1060	
.	Door	11D0	e	24.57	11.49	21	516	241		21	516	241	
	Wall	12C-0sw	e	5.55	2.22	18	100	40		0	0	0	
.	Wall	15B-0s-10	e	4.51	0.00	288	1284	0		0	0	0	
	Glaz	1D-c2ow	e	26.22	58.12	3	79	174		0	0	0	
.	Wall	15E11-0w-2	e	6.08	1.20	45	273	54		0	0	0	
	Wall	15E11-0w-2	se	5.96	1.10	25	116	21		0	0	0	
.	Glaz	1D-c2ow	se	34.77	53.92	6	209	324		0	0	0	
	Wall	12A-0sw	s	15.12	7.07	364	4523	2114		364	4523	2114	
.	Glaz	1A-c10m	s	80.01	52.67	26	2040	1343		26	2040	1343	
	Glaz	1A-c10m	s	80.01	52.67	18	1470	967		18	1470	967	
.	Door	11D0	s	24.57	11.49	21	516	241		21	516	241	
	Wall	15B-0s-10	s	4.69	0.00	333	1562	0		0	0	0	
.	Wall	15E11-0w-2	s	6.04	1.17	135	743	143		0	0	0	
	Glaz	1D-c2ow	s	34.77	33.08	12	417	397		0	0	0	
.	Wall	15E11-0w-2	sw	5.95	1.09	25	114	21		0	0	0	
	Glaz	1D-c2ow	sw	34.77	53.92	6	220	342		0	0	0	
.	Wall	12A-0sw	w	14.64	7.07	56	744	359		0	0	0	
	Glaz	1D-c2ow	w	17.69	48.08	5	91	248		0	0	0	
.	Wall	12A-0sw	w	15.12	7.07	266	3791	1772		266	3791	1772	
	Glaz	1D-c2ow	w	18.27	30.20	15	278	460		15	278	460	
.	Wall	12C-0sw	w	5.55	2.22	130	666	267		0	0	0	
	Glaz	1D-c2ow	w	17.69	30.20	10	177	302		0	0	0	
12	Infiltration	Heating Load (Btuh)		Effect ACH	1.24	WAR 1.00	24937			WAR 1.00	14803		
		Sensible Load (Btuh)			0.65			3383				2008	
		Latent Load (Btuh)							5294				3142
13	Internal	a	Occupants at 230 and 200 Btuh				0	0	0	0	0	0	
		b	Scenario number					0			0		
		c	Default Adjustments										
		d	Custom Appliances					0	0		0	0	
		e	Plants						0			0	
14	Subtotals	Sum lines 6 through 12					86244	41372	5294		47988	24743	3142
15	Duct Loads	EHLF & ESGF		0	0		0	0			0	0	
		ELG							0			0	
16	Ventilation Loads	Vent Cfm	0	E Cfm	0		0	0	0		0	0	
17	Winter Humidification Load	Gal/Day		0			0				0		
18	Piping Load						0				0		
19	Blower Heat							0			0		
20	AED Excursion & Latent Moisture Migration Load								0		2190		
21	Total Load	Sum lines 13 through 19					86244	41372	5294		47988	24743	3142

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room				Upstairs			Basement						
2 Running Feet of Exposed Wall				9.0 ft	110.7 ft	2778.8 ft²	9.0 ft	138.0 ft	2286.0 ft²				
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)						835.0 ft²			1104.0 ft²				
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)						851.2 ft²			5520.0 ft²				
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)				35.5 °			0 °						
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Lenght	Btuh			Area or Lenght	Btuh			
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg	
6	Wall	12A-0sw	n	14.64	7.07	112	1444	697		0	0	0	
	Glaz	1D-c2ow	n	17.69	9.97	13	236	133		0	0	0	
.	Wall	12A-0sw	n	15.12	7.07	0	0	0		0	0	0	
	Glaz	1D-c2ow	n	18.27	9.97	0	0	0		0	0	0	
11	Wall	12C-0sw	n	5.55	2.22	161	779	312		0	0	0	
	Glaz	1D-c2ow	n	17.69	9.97	13	236	133		0	0	0	
.	Wall	12C-0sw	n	17.69	13.62	7	130	100		0	0	0	
	Glaz	1D-c2ow	n	17.69	13.62	7	130	100		0	0	0	
.	Wall	15B-0s-10	n	3.18	0.00	0	0	0		153	448	0	
	Glaz	1D-c2ow	n	26.22	16.17	0	0	0		12	315	194	
.	Wall	15B-0s-8	n	-10.85	0.00	0	0	0		180	-890	0	
	Door	11J0	n	27.60	0.00	0	0	0		98	2705	0	
.	Wall	15B-10sfc-2	n	4.73	0.89	32	151	29		0	0	0	
	Wall	15E13-0w-2	n	5.69	0.95	0	0	0		0	0	0	
.	Glaz	1D-c2ow	n	18.27	9.97	0	0	0		0	0	0	
	Wall	12A-0sw	e	14.64	7.07	88	1093	528		0	0	0	
.	Glaz	1D-c2ow	e	17.69	30.20	13	236	403		0	0	0	
	Wall	12A-0sw	e	15.12	7.07	0	0	0		0	0	0	
.	Glaz	1A-c10m	e	80.01	91.54	0	0	0		0	0	0	
	Glaz	4A3-2ow	e	18.27	30.20	0	0	0		0	0	0	
.	Door	11D0	e	24.57	11.49	0	0	0		0	0	0	
	Wall	12C-0sw	e	5.55	2.22	18	100	40		0	0	0	
.	Wall	15B-0s-10	e	4.51	0.00	0	0	0		288	1284	0	
	Glaz	1D-c2ow	e	26.22	58.12	0	0	0		3	79	174	
.	Wall	15E11-0w-2	e	6.08	1.20	45	273	54		0	0	0	
	Wall	15E11-0w-2	se	5.96	1.10	25	116	21		0	0	0	
.	Glaz	1D-c2ow	se	34.77	53.92	6	209	324		0	0	0	
	Wall	12A-0sw	s	15.12	7.07	0	0	0		0	0	0	
.	Glaz	1A-c10m	s	80.01	52.67	0	0	0		0	0	0	
	Glaz	1A-c10m	s	80.01	52.67	0	0	0		0	0	0	
.	Door	11D0	s	24.57	11.49	0	0	0		0	0	0	
	Wall	15B-0s-10	s	4.69	0.00	0	0	0		333	1562	0	
.	Wall	15E11-0w-2	s	6.04	1.17	135	743	143		0	0	0	
	Glaz	1D-c2ow	s	34.77	33.08	12	417	397		0	0	0	
.	Wall	15E11-0w-2	sw	5.95	1.09	25	114	21		0	0	0	
	Glaz	1D-c2ow	sw	34.77	53.92	6	220	342		0	0	0	
.	Wall	12A-0sw	w	14.64	7.07	56	744	359		0	0	0	
	Glaz	1D-c2ow	w	17.69	48.08	5	91	248		0	0	0	
.	Wall	12A-0sw	w	15.12	7.07	0	0	0		0	0	0	
	Glaz	1D-c2ow	w	18.27	30.20	0	0	0		0	0	0	
.	Wall	12C-0sw	w	5.55	2.22	130	666	267		0	0	0	
	Glaz	1D-c2ow	w	17.69	30.20	10	177	302		0	0	0	
12	Infiltration	Heating Load (Btuh)		Effect		WAR	9815		WAR	320			
		Sensible Load (Btuh)		ACH	1.24					1.00	0		
		Latent Load (Btuh)									0.65	0	
13	Internal	a Occupants at 230 and 200 Btuh				0		0	0	0		0	
		b Scenario number									0		
		c Default Adjustments									0		
		d Custom Appliances									0		
		e Plants									0		
14	Subtotals	Sum lines 6 through 12					29266	18573	2152		8990	1375	0
15	Duct Loads	EHLF & ESGF		0	0		0	0		0	0	0	
		ELG							0			0	
16	Ventilation Loads	Vent Cfm	0	E Cfm	0		0	0	0	0	0	0	
17	Winter Humidification Load	Gal/Day		0			0			0			
18	Piping Load						0			0			
19	Blower Heat						0			0			
20	AED Excursion & Latent Moisture Migration Load						919			209			
21	Total Load	Sum lines 13 through 19					29266	18573	2152		8990	1375	0

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room			Basement				PlayBoilerRoom					
2 Running Feet of Exposed Wall			138.0 ft				33.0 ft					
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)			9.0 ft		2286.0 ft ²		9.0 ft		549.0 ft ²			
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)					1104.0 ft ²		1.0 x 281.0 ft		281.0 ft ²			
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)			0 °		5520.0 ft ²		0 °		1405.0 ft ²			
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Lenght	Btuh			Area or Lenght	Btuh		
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg
6	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
11	Wall	12C-0sw	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-10	n	3.18	0.00	153	448	0	0	0	0	0
	Glaz	1D-c2ow	n	26.22	16.17	12	315	194	0	0	0	0
	Wall	15B-0s-8	n	-10.85	0.00	180	-890	0	0	0	0	0
	Door	11J0	n	27.60	0.00	98	2705	0	0	0	0	0
	Wall	15B-10sfc-2	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E13-0w-2	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1A-c10m	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	4A3-2ow	e	0.00	0.00	0	0	0	0	0	0	0
	Door	11D0	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	12C-0sw	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-10	e	4.51	0.00	288	1284	0	153	718	0	0
	Glaz	1D-c2ow	e	26.22	58.12	3	79	174	0	0	0	0
	Wall	15E11-0w-2	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	se	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	se	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	s	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0
	Door	11D0	s	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-10	s	4.69	0.00	333	1562	0	144	676	0	0
	Wall	15E11-0w-2	s	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	s	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	sw	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	sw	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0
	Wall	12C-0sw	w	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.01	WAR	320	WAR	0	0	0
		Sensible Load (Btuh)		0		0	1.00	0	0	0	0	0
		Latent Load (Btuh)		0		0	0	0	0	0	0	0
13	Internal	a Occupants at 230 and 200 Btuh				0	0	0	0	0	0	0
		b Scenario number				0	0	0	0	0	0	0
		c Default Adjustments				0	0	0	0	0	0	0
		d Custom Appliances				0	0	0	0	0	0	0
		e Plants				0	0	0	0	0	0	0
14	Subtotals	Sum lines 6 through 12				8990	1375	0	2132	248	0	0
15	Duct Loads	EHLF & ESGF		0	0	0	0	0	0	0	0	0
		ELG		0	0	0	0	0	0	0	0	0
16	Ventilation Loads	Vent Cfm	0	E Cfm	0	0	0	0	0	0	0	0
17	Winter Humidification Load	Gal/Day		0	0	0	0	0	0	0	0	0
18	Piping Load	0		0	0	0	0	0	0	0	0	0
19	Blower Heat	0		0	0	0	0	0	0	0	0	0
20	AED Excursion & Latent Moisture Migration Load	209		-14	0	0	0	0	0	0	0	0
21	Total Load	Sum lines 13 through 19				8990	1375	0	2132	248	0	0

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room						Garage				Laundry Room			
2 Running Feet of Exposed Wall						39.0 ft				27.0 ft			
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)						9.0 ft 681.0 ft²				9.0 ft 465.0 ft²			
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)						20.0 x 19.0 ft 380.0 ft²				17.0 x 10.0 ft 170.0 ft²			
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)						0 ° 1900.0 ft²				0 ° 850.0 ft²			
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Length	Btuh			Area or Length	Btuh			
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg	
6	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
11	Wall	12C-0sw	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-10	n	3.18	0.00	0	0	0	153	448	0	0	
	Glaz	1D-c2ow	n	26.22	16.17	0	0	0	12	315	194	0	
	Wall	15B-0s-8	n	-10.85	0.00	180	-890	0	0	0	0	0	
	Door	11J0	n	27.60	0.00	98	2705	0	0	0	0	0	
	Wall	15B-10sfc-2	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E13-0w-2	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1A-c10m	e	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	4A3-2ow	e	0.00	0.00	0	0	0	0	0	0	0	
	Door	11D0	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12C-0sw	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-10	e	4.51	0.00	0	0	0	90	355	0	0	
	Glaz	1D-c2ow	e	26.22	58.12	0	0	0	3	79	174	0	
	Wall	15E11-0w-2	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E11-0w-2	se	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	se	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	s	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0	
	Door	11D0	s	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-10	s	4.69	0.00	0	0	0	0	0	0	0	
	Wall	15E11-0w-2	s	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	s	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E11-0w-2	sw	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	sw	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12C-0sw	w	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0	
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.01	WAR	320	WAR	0	0	0	
		Sensible Load (Btuh)		0		0	1.00	0	0	0	0	0	
		Latent Load (Btuh)		0		0	0	0	0	0	0	0	
13	Internal	a Occupants at 230 and 200 Btuh				0		0	0	0	0	0	
		b Scenario number						0		0	0	0	
		c Default Adjustments											
		d Custom Appliances						0		0	0	0	
		e Plants								0	0	0	
14	Subtotals	Sum lines 6 through 12						3687	0		1314	479	
15	Duct Loads	EHLF & ESGF		0	0			0	0		0	0	
		ELG							0			0	
16	Ventilation Loads	Vent Cfm	0	E Cfm	0								
17	Winter Humidification Load	Gal/Day		0									
18	Piping Load												
19	Blower Heat												
20	AED Excursion & Latent Moisture Migration Load							0			49		
21	Total Load	Sum lines 13 through 19						3687	0		1314	479	

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room			Future Bedroom										
2 Running Feet of Exposed Wall			39.0 ft										
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)			9.0 ft		591.0 ft²								
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)			21.0 x 13.0 ft		273.0 ft²								
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)			0 °		1365.0 ft²								
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Lenght	Btuh			Area or Lenght	Btuh			
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg	
6	Wall	12A-0sw	n	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0					
	Wall	12A-0sw	n	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0					
11	Wall	12C-0sw	n	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0					
	Wall	15B-0s-10	n	3.18	0.00	0	0	0					
	Glaz	1D-c2ow	n	26.22	16.17	0	0	0					
	Wall	15B-0s-8	n	-10.85	0.00	0	0	0					
	Door	11J0	n	27.60	0.00	0	0	0					
	Wall	15B-10sfc-2	n	0.00	0.00	0	0	0					
	Wall	15E13-0w-2	n	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0					
	Wall	12A-0sw	e	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0					
	Wall	12A-0sw	e	0.00	0.00	0	0	0					
	Glaz	1A-c10m	e	0.00	0.00	0	0	0					
	Glaz	4A3-2ow	e	0.00	0.00	0	0	0					
	Door	11D0	e	0.00	0.00	0	0	0					
	Wall	12C-0sw	e	0.00	0.00	0	0	0					
	Wall	15B-0s-10	e	4.51	0.00	45	211	0					
	Glaz	1D-c2ow	e	26.22	58.12	0	0	0					
	Wall	15E11-0w-2	e	0.00	0.00	0	0	0					
	Wall	15E11-0w-2	se	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	se	0.00	0.00	0	0	0					
	Wall	12A-0sw	s	0.00	0.00	0	0	0					
	Glaz	1A-c10m	s	0.00	0.00	0	0	0					
	Glaz	1A-c10m	s	0.00	0.00	0	0	0					
	Door	11D0	s	0.00	0.00	0	0	0					
	Wall	15B-0s-10	s	4.69	0.00	189	887	0					
	Wall	15E11-0w-2	s	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	s	0.00	0.00	0	0	0					
	Wall	15E11-0w-2	sw	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	sw	0.00	0.00	0	0	0					
	Wall	12A-0sw	w	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0					
	Wall	12A-0sw	w	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0					
	Wall	12C-0sw	w	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0					
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.01	WAR	0					
		Sensible Load (Btuh)		0		0	0	0					
		Latent Load (Btuh)											
13	Internal	a Occupants at 230 and 200 Btuh				0		0					
		b Scenario number						0					
		c Default Adjustments											
		d Custom Appliances						0					
		e Plants						0					
14	Subtotals	Sum lines 6 through 12						1858	647				
15	Duct Loads	EHLF & ESGF		0	0			0	0				
		ELG								0			
16	Ventilation Loads	Vent Cfm	0	E Cfm	0								
17	Winter Humidification Load	Gal/Day			0								
18	Piping Load												
19	Blower Heat												
20	AED Excursion & Latent Moisture Migration Load								175				
21	Total Load	Sum lines 13 through 19						1858	647				

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Name of Room			Downstairs				Office				
2		Running Feet of Exposed Wall			175.0 ft				18.0 ft				
3		Ceiling Ht (Ft) and Gross Wall Area (SqFt)			7.4 ft 3021.1 ft²				8.0 ft 288.0 ft²				
4		Room Dimensions (Ft) and Floor Plan Area (SqFt)			1509.0 ft²				8.0 x 10.0 ft 80.0 ft²				
5		Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)			35.5 ° 6504.7 ft²				0 ° 400.0 ft²				
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Lenght	Btuh			Area or Lenght	Btuh			
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg	
6	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	n	15.12	7.07	176	1675	783	64	761	356		
	Glaz	1D-c2ow	n	18.27	9.97	65	1192	651	14	250	136		
11	Wall	12C-0sw	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-10	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-8	n	0.00	0.00	0	0	0	0	0	0	0	
	Door	11J0	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-10sfc-2	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E13-0w-2	n	5.69	0.95	120	596	99	0	0	0	0	
	Glaz	1D-c2ow	n	18.27	9.97	15	278	152	0	0	0	0	
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	e	15.12	7.07	375	4338	2028	0	0	0	0	
	Glaz	1A-c10m	e	80.01	91.54	32	2560	2929	0	0	0	0	
	Glaz	4A3-2ow	e	18.27	30.20	35	641	1060	0	0	0	0	
	Door	11D0	e	24.57	11.49	21	516	241	0	0	0	0	
	Wall	12C-0sw	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-10	e	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E11-0w-2	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E11-0w-2	se	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	se	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	s	15.12	7.07	364	4523	2114	0	0	0	0	
	Glaz	1A-c10m	s	80.01	52.67	26	2040	1343	0	0	0	0	
	Glaz	1A-c10m	s	80.01	52.67	18	1470	967	0	0	0	0	
	Door	11D0	s	24.57	11.49	21	516	241	0	0	0	0	
	Wall	15B-0s-10	s	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E11-0w-2	s	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	s	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E11-0w-2	sw	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	sw	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	w	15.12	7.07	266	3791	1772	80	1210	565		
	Glaz	1D-c2ow	w	18.27	30.20	15	278	460	0	0	0		
	Wall	12C-0sw	w	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0	
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.20	WAR	14803		WAR	1616		
		Sensible Load (Btuh)				0.62	1.00		2008	0.11	219		
		Latent Load (Btuh)										3142	
13	Internal	a Occupants at 230 and 200 Btuh				0		0	0	0	0	0	
		b Scenario number						0			0		
		c Default Adjustments											
		d Custom Appliances						0			0	0	
		e Plants									0	0	
14	Subtotals	Sum lines 6 through 12						47988	24743	3142		3836	1299
15	Duct Loads	EHLF & ESGF		0	0			0	0		0	0	
		ELG							0			0	
16	Ventilation Loads	Vent Cfm	0	E Cfm	0			0	0	0			
17	Winter Humidification Load	Gal/Day		0				0					
18	Piping Load							0					
19	Blower Heat								0				
20	AED Excursion & Latent Moisture Migration Load								2190			22	
21	Total Load	Sum lines 13 through 19						47988	24743	3142		3836	1299

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room						Turtle Room 30.0 ft				Guest Bathroom 6.0 ft					
2 Running Feet of Exposed Wall						8.0 ft				8.0 ft					
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)						14.0 x 16.0 ft				5.0 x 6.0 ft					
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)						445.0 ft²				176.0 ft²					
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)						224.0 ft²				30.0 ft²					
						1160.0 ft²				150.0 ft²					
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Length	Btuh			Area or Length	Btuh					
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg			
6	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	n	15.12	7.07	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	18.27	9.97	0	0	0	0	0	0	0	0		
11	Wall	12C-0sw	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15B-0s-10	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15B-0s-8	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Door	11J0	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15B-10sfc-2	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15E13-0w-2	n	5.69	0.95	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	18.27	9.97	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	e	15.12	7.07	0	0	0	0	0	0	0	0		
	Glaz	1A-c10m	e	80.01	91.54	0	0	0	0	0	0	0	0		
	Glaz	4A3-2ow	e	18.27	30.20	0	0	0	0	0	0	0	0		
	Door	11D0	e	24.57	11.49	0	0	0	0	0	0	0	0		
	Wall	12C-0sw	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15B-0s-10	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15E11-0w-2	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15E11-0w-2	se	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	se	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	s	15.12	7.07	112	1416	662	0	0	0	0	0		
	Glaz	1A-c10m	s	80.01	52.67	0	0	0	0	0	0	0	0		
	Glaz	1A-c10m	s	80.01	52.67	18	1470	967	0	0	0	0	0		
	Door	11D0	s	24.57	11.49	0	0	0	0	0	0	0	0		
	Wall	15B-0s-10	s	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15E11-0w-2	s	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	s	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15E11-0w-2	sw	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	sw	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	w	15.12	7.07	128	1705	797	0	0	0	0	0		
	Glaz	1D-c2ow	w	18.27	30.20	15	278	460	0	0	0	0	0		
	Wall	12C-0sw	w	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0	0		
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.20		WAR		2693		539			
		Sensible Load (Btuh)		0.62		0.18		0.04		365		73			
		Latent Load (Btuh)													
13	Internal	a Occupants at 230 and 200 Btuh				0		0		0		0			
		b Scenario number				0		0		0		0			
		c Default Adjustments													
		d Custom Appliances				0		0		0		0			
		e Plants				0		0		0		0			
14	Subtotals	Sum lines 6 through 12						7562		4090		873		363	
15	Duct Loads	EHLF & ESGF		0		0		0		0		0		0	
		ELG								0				0	
16	Ventilation Loads	Vent Cfm		0		E Cfm		0							
17	Winter Humidification Load	Gal/Day		0											
18	Piping Load														
19	Blower Heat														
20	AED Excursion & Latent Moisture Migration Load							838				65			
21	Total Load	Sum lines 13 through 19						7562		4090		873		363	

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room			Family Room				Fourier					
2 Running Feet of Exposed Wall			26.0 ft				4.0 ft					
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)			8.0 ft		365.0 ft²		10.0 ft		180.0 ft²			
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)			14.0 x 11.0 ft		154.0 ft²		4.0 x 5.0 ft		20.0 ft²			
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)			0 °		770.0 ft²		0 °		100.0 ft²			
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Lenght	Btuh			Area or Lenght	Btuh		
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg
6	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	n	15.12	7.07	112	914	427	0	0	0	0
	Glaz	1D-c2ow	n	18.27	9.97	52	942	514	0	0	0	0
11	Wall	12C-0sw	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-10	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-8	n	0.00	0.00	0	0	0	0	0	0	0
	Door	11J0	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-10sfc-2	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E13-0w-2	n	5.69	0.95	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	18.27	9.97	0	0	0	0	0	0	0
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	e	15.12	7.07	88	482	225	0	0	0	0
	Glaz	1A-c10m	e	80.01	91.54	0	0	0	0	0	0	0
	Glaz	4A3-2ow	e	18.27	30.20	35	641	1060	0	0	0	0
	Door	11D0	e	24.57	11.49	21	516	241	0	0	0	0
	Wall	12C-0sw	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-10	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	se	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	se	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	s	15.12	7.07	0	0	0	40	287	134	0
	Glaz	1A-c10m	s	80.01	52.67	0	0	0	0	0	0	0
	Glaz	1A-c10m	s	80.01	52.67	0	0	0	0	0	0	0
	Door	11D0	s	24.57	11.49	0	0	0	21	516	241	0
	Wall	15B-0s-10	s	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	s	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	s	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	sw	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	sw	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	w	15.12	7.07	8	121	57	0	0	0	0
	Glaz	1D-c2ow	w	18.27	30.20	0	0	0	0	0	0	0
	Wall	12C-0sw	w	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.20	WAR	2334	0.03	449		
		Sensible Load (Btuh)		0.62		0.16		317		61		
		Latent Load (Btuh)										
13	Internal	a Occupants at 230 and 200 Btuh				0		0	0	0	0	0
		b Scenario number						0		0		0
		c Default Adjustments										0
		d Custom Appliances						0		0		0
		e Plants								0		0
14	Subtotals	Sum lines 6 through 12						5964	3150		1252	427
15	Duct Loads	EHLF & ESGF		0	0			0	0		0	0
		ELG							0			0
16	Ventilation Loads	Vent Cfm	0	E Cfm	0							
17	Winter Humidification Load	Gal/Day		0								
18	Piping Load											
19	Blower Heat											
20	AED Excursion & Latent Moisture Migration Load							309			-9	
21	Total Load	Sum lines 13 through 19						5964	3150		1252	427

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room				Closet			Living Room						
2 Running Feet of Exposed Wall				8.0 ft			33.0 ft						
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)				10.0 ft			8.0 ft						
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)				3.0 x 5.0 ft			23.0 x 17.0 ft						
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)				0 °			0 °						
				160.0 ft²			570.0 ft²						
				15.0 ft²			391.0 ft²						
				35.0 ft²			2385.0 ft²						
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Lenght	Btuh			Area or Lenght	Btuh			
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg	
6	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	n	15.12	7.07	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	18.27	9.97	0	0	0	0	0	0	0	
11	Wall	12C-0sw	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-10	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-8	n	0.00	0.00	0	0	0	0	0	0	0	
	Door	11J0	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-10sfc-2	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E13-0w-2	n	5.69	0.95	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	18.27	9.97	0	0	0	0	0	0	0	
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	e	15.12	7.07	50	756	353	136	1572	735		
	Glaz	1A-c10m	e	80.01	91.54	0	0	0	32	2560	2929		
	Glaz	4A3-2ow	e	18.27	30.20	0	0	0	0	0	0		
	Door	11D0	e	24.57	11.49	0	0	0	0	0	0		
	Wall	12C-0sw	e	0.00	0.00	0	0	0	0	0	0		
	Wall	15B-0s-10	e	0.00	0.00	0	0	0	0	0	0		
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0		
	Wall	15E11-0w-2	e	0.00	0.00	0	0	0	0	0	0		
	Wall	15E11-0w-2	se	0.00	0.00	0	0	0	0	0	0		
	Glaz	1D-c2ow	se	0.00	0.00	0	0	0	0	0	0		
	Wall	12A-0sw	s	15.12	7.07	30	454	212	128	1550	724		
	Glaz	1A-c10m	s	80.01	52.67	0	0	0	26	2040	1343		
	Glaz	1A-c10m	s	80.01	52.67	0	0	0	0	0	0		
	Door	11D0	s	24.57	11.49	0	0	0	0	0	0		
	Wall	15B-0s-10	s	0.00	0.00	0	0	0	0	0	0		
	Wall	15E11-0w-2	s	0.00	0.00	0	0	0	0	0	0		
	Glaz	1D-c2ow	s	0.00	0.00	0	0	0	0	0	0		
	Wall	15E11-0w-2	sw	0.00	0.00	0	0	0	0	0	0		
	Glaz	1D-c2ow	sw	0.00	0.00	0	0	0	0	0	0		
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0		
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0		
	Wall	12A-0sw	w	15.12	7.07	0	0	0	0	0	0		
	Glaz	1D-c2ow	w	18.27	30.20	0	0	0	0	0	0		
	Wall	12C-0sw	w	0.00	0.00	0	0	0	0	0	0		
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0		
12	Infiltration	Heating Load (Btuh)		Effect		1.20		WAR		898		2963	
		Sensible Load (Btuh)		ACH		0.62		0.06		122		402	
		Latent Load (Btuh)											
13	Internal	a Occupants at 230 and 200 Btuh				0		0		0		0	
		b Scenario number				0		0		0		0	
		c Default Adjustments											
		d Custom Appliances				0		0		0		0	
		e Plants				0		0		0		0	
14	Subtotals	Sum lines 6 through 12						2128		689		10686	
15	Duct Loads	EHLF & ESGF		0		0		0		0		0	
		ELG						0				0	
16	Ventilation Loads	Vent Cfm		0		E Cfm		0					
17	Winter Humidification Load	Gal/Day		0									
18	Piping Load												
19	Blower Heat												
20	AED Excursion & Latent Moisture Migration Load							-15				1087	
21	Total Load	Sum lines 13 through 19						2128		689		10686	

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room						Kitchen 15.0 ft			Upper Living Room 35.0 ft			
2 Running Feet of Exposed Wall						8.0 ft			5.7 ft			
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)						1.0 x 204.0 ft			23.0 x 17.0 ft			
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)						0 °			333.1 ft²			
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)						1040.0 ft²			391.0 ft²			
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Length	Btuh			Area or Length	Btuh		
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg
6	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	n	15.12	7.07	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	18.27	9.97	0	0	0	0	0	0	0
11	Wall	12C-0sw	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-10	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-8	n	0.00	0.00	0	0	0	0	0	0	0
	Door	11J0	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-10sfc-2	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E13-0w-2	n	5.69	0.95	120	596	99	0	0	0	0
	Glaz	1D-c2ow	n	18.27	9.97	15	278	152	0	0	0	0
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	e	15.12	7.07	0	0	0	101	1527	714	0
	Glaz	1A-c10m	e	80.01	91.54	0	0	0	0	0	0	0
	Glaz	4A3-2ow	e	18.27	30.20	0	0	0	0	0	0	0
	Door	11D0	e	24.57	11.49	0	0	0	0	0	0	0
	Wall	12C-0sw	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-10	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	se	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	se	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	s	15.12	7.07	0	0	0	54	816	382	0
	Glaz	1A-c10m	s	80.01	52.67	0	0	0	0	0	0	0
	Glaz	1A-c10m	s	80.01	52.67	0	0	0	0	0	0	0
	Door	11D0	s	24.57	11.49	0	0	0	0	0	0	0
	Wall	15B-0s-10	s	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	s	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	s	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	sw	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	sw	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	w	15.12	7.07	0	0	0	50	756	353	0
	Glaz	1D-c2ow	w	18.27	30.20	0	0	0	0	0	0	0
	Wall	12C-0sw	w	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.20	WAR	1010	0.16	2301		
		Sensible Load (Btuh)				0.62	0.07	137		312		
		Latent Load (Btuh)										
13	Internal	a Occupants at 230 and 200 Btuh				0		0	0	0	0	0
		b Scenario number						0		0		0
		c Default Adjustments										0
		d Custom Appliances						0		0		0
		e Plants								0		0
14	Subtotals	Sum lines 6 through 12						1884	435		13803	7070
15	Duct Loads	EHLF & ESGF		0	0			0	0		0	0
		ELG							0			0
16	Ventilation Loads	Vent Cfm	0	E Cfm	0							
17	Winter Humidification Load	Gal/Day		0								
18	Piping Load											
19	Blower Heat											
20	AED Excursion & Latent Moisture Migration Load							47			-153	
21	Total Load	Sum lines 13 through 19						1884	435		13803	7070

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room		Upstairs					Guest Bedroom					
2 Running Feet of Exposed Wall		110.7 ft					26.0 ft					
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)		9.0 ft 2778.8 ft²					8.0 ft 379.0 ft²					
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)		835.0 ft²					14.0 x 11.0 ft 154.0 ft²					
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)		35.5 ° 851.2 ft²					0 ° 154.0 ft²					
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Lenght	Btuh			Area or Lenght	Btuh		
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg
6	Wall	12A-0sw	n	14.64	7.07	112	1444	697		112	1444	697
	Glaz	1D-c2ow	n	17.69	9.97	13	236	133		13	236	133
.	Wall	12A-0sw	n	0.00	0.00	0	0	0		0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0		0	0	0
11	Wall	12C-0sw	n	5.55	2.22	161	779	312		0	0	0
	Glaz	1D-c2ow	n	17.69	9.97	13	236	133		0	0	0
.	Wall	12C-0sw	n	17.69	13.62	7	130	100		0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0		0	0	0
.	Wall	15B-0s-10	n	0.00	0.00	0	0	0		0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0		0	0	0
.	Wall	15B-0s-8	n	0.00	0.00	0	0	0		0	0	0
	Door	11J0	n	0.00	0.00	0	0	0		0	0	0
.	Wall	15B-10sfc-2	n	4.73	0.89	32	151	29		0	0	0
	Wall	15E13-0w-2	n	0.00	0.00	0	0	0		0	0	0
.	Glaz	1D-c2ow	n	0.00	0.00	0	0	0		0	0	0
	Wall	12A-0sw	e	14.64	7.07	88	1093	528		88	1093	528
.	Glaz	1D-c2ow	e	17.69	30.20	13	236	403		13	236	403
	Wall	12A-0sw	e	0.00	0.00	0	0	0		0	0	0
.	Glaz	1A-c10m	e	0.00	0.00	0	0	0		0	0	0
	Glaz	4A3-2ow	e	0.00	0.00	0	0	0		0	0	0
.	Door	11D0	e	0.00	0.00	0	0	0		0	0	0
	Wall	12C-0sw	e	5.55	2.22	18	100	40		0	0	0
.	Wall	15B-0s-10	e	0.00	0.00	0	0	0		0	0	0
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0		0	0	0
.	Wall	15E11-0w-2	e	6.08	1.20	45	273	54		0	0	0
	Wall	15E11-0w-2	se	5.96	1.10	25	116	21		0	0	0
.	Glaz	1D-c2ow	se	34.77	53.92	6	209	324		0	0	0
	Wall	12A-0sw	s	0.00	0.00	0	0	0		0	0	0
.	Glaz	1A-c10m	s	0.00	0.00	0	0	0		0	0	0
	Glaz	1A-c10m	s	0.00	0.00	0	0	0		0	0	0
.	Door	11D0	s	0.00	0.00	0	0	0		0	0	0
	Wall	15B-0s-10	s	0.00	0.00	0	0	0		0	0	0
.	Wall	15E11-0w-2	s	6.04	1.17	135	743	143		0	0	0
	Glaz	1D-c2ow	s	34.77	33.08	12	417	397		0	0	0
.	Wall	15E11-0w-2	sw	5.95	1.09	25	114	21		0	0	0
	Glaz	1D-c2ow	sw	34.77	53.92	6	220	342		0	0	0
.	Wall	12A-0sw	w	14.64	7.07	56	744	359		8	117	57
	Glaz	1D-c2ow	w	17.69	48.08	5	91	248		0	0	0
.	Wall	12A-0sw	w	0.00	0.00	0	0	0		0	0	0
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0		0	0	0
.	Wall	12C-0sw	w	5.55	2.22	130	666	267		0	0	0
	Glaz	1D-c2ow	w	17.69	30.20	10	177	302		0	0	0
12	Infiltration	Heating Load (Btuh)		Effect ACH	1.33	WAR 1.00	9815			WAR 0.23	2260	
		Sensible Load (Btuh)			0.69			1375			317	
		Latent Load (Btuh)							2152			
13	Internal	a Occupants at 230 and 200 Btuh				0		0	0	0	0	0
		b Scenario number						0			0	
		c Default Adjustments										
		d Custom Appliances						0	0		0	0
		e Plants							0			0
14	Subtotals	Sum lines 6 through 12					29266	18573	2152		5687	2498
15	Duct Loads	EHLF & ESGF		0	0		0	0		0	0	
		ELG							0		0	
16	Ventilation Loads	Vent Cfm	0	E Cfm	0		0	0	0			
17	Winter Humidification Load	Gal/Day		0			0					
18	Piping Load						0					
19	Blower Heat						0					
20	AED Excursion & Latent Moisture Migration Load							919			103	
21	Total Load	Sum lines 13 through 19					29266	18573	2152		5687	2498

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room			Master Bathroom				Perls Bedroom							
2 Running Feet of Exposed Wall			6.0 ft				24.0 ft							
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)			8.0 ft 172.0 ft²				8.0 ft 363.0 ft²							
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)			10.0 x 6.0 ft 60.0 ft²				10.0 x 14.0 ft 140.0 ft²							
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)			0 ° 60.0 ft²				0 ° 140.0 ft²							
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Lenght	Btuh			Area or Lenght	Btuh				
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg		
6	Wall	12A-0sw	n	14.64	7.07	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0	0	0	0	0		
	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0		
11	Wall	12C-0sw	n	5.55	2.22	0	0	0	80	370	148			
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0	13	236	133			
	Glaz	1D-c2ow	n	17.69	13.62	0	0	0	0	0	0			
	Wall	15B-0s-10	n	0.00	0.00	0	0	0	0	0	0			
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0			
	Wall	15B-0s-8	n	0.00	0.00	0	0	0	0	0	0			
	Door	11J0	n	0.00	0.00	0	0	0	0	0	0			
	Wall	15B-10sfc-2	n	4.73	0.89	0	0	0	0	0	0			
	Wall	15E13-0w-2	n	0.00	0.00	0	0	0	0	0	0			
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0			
	Wall	12A-0sw	e	14.64	7.07	0	0	0	0	0	0			
	Glaz	1D-c2ow	e	17.69	30.20	0	0	0	0	0	0			
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0			
	Glaz	1A-c10m	e	0.00	0.00	0	0	0	0	0	0			
	Glaz	4A3-2ow	e	0.00	0.00	0	0	0	0	0	0			
	Door	11D0	e	0.00	0.00	0	0	0	0	0	0			
	Wall	12C-0sw	e	5.55	2.22	0	0	0	0	0	0			
	Wall	15B-0s-10	e	0.00	0.00	0	0	0	0	0	0			
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0			
	Wall	15E11-0w-2	e	6.08	1.20	0	0	0	0	0	0			
	Wall	15E11-0w-2	se	5.96	1.10	0	0	0	0	0	0			
	Glaz	1D-c2ow	se	34.77	53.92	0	0	0	0	0	0			
	Wall	12A-0sw	s	0.00	0.00	0	0	0	0	0	0			
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0			
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0			
	Door	11D0	s	0.00	0.00	0	0	0	0	0	0			
	Wall	15B-0s-10	s	0.00	0.00	0	0	0	0	0	0			
	Wall	15E11-0w-2	s	6.04	1.17	0	0	0	0	0	0			
	Glaz	1D-c2ow	s	34.77	33.08	0	0	0	0	0	0			
	Wall	15E11-0w-2	sw	5.95	1.09	0	0	0	0	0	0			
	Glaz	1D-c2ow	sw	34.77	53.92	0	0	0	0	0	0			
	Wall	12A-0sw	w	14.64	7.07	48	627	303	0	0	0			
	Glaz	1D-c2ow	w	17.69	48.08	5	91	248	0	0	0			
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0			
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0			
	Wall	12C-0sw	w	5.55	2.22	0	0	0	112	566	227			
	Glaz	1D-c2ow	w	17.69	30.20	0	0	0	10	177	302			
12	Infiltration	Heating Load (Btuh)		Effect		WAR	522			WAR	2086			
		Sensible Load (Btuh)		ACH			73				0.21			
		Latent Load (Btuh)					0.69				292			
13	Internal	a Occupants at 230 and 200 Btuh				0			0			0		
		b Scenario number				0			0			0		
		c Default Adjustments												
		d Custom Appliances				0			0			0		
		e Plants				0			0			0		
14	Subtotals	Sum lines 6 through 12				1357			863			3709		
15	Duct Loads	EHLF & ESGF		0		0			0			0		
		ELG							0			0		
16	Ventilation Loads	Vent Cfm	0	E Cfm	0									
17	Winter Humidification Load	Gal/Day		0										
18	Piping Load													
19	Blower Heat													
20	AED Excursion & Latent Moisture Migration Load								137			180		
21	Total Load	Sum lines 13 through 19				1357			863			3709		

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

11 Lakeside Drive, New Rochelle, NY 10801

1		Name of Room				Guest Closet				Hall Closet					
2		Running Feet of Exposed Wall				4.0 ft				0 ft					
3		Ceiling Ht (Ft) and Gross Wall Area (SqFt)				8.0 ft 107.0 ft²				8.0 ft 96.0 ft²					
4		Room Dimensions (Ft) and Floor Plan Area (SqFt)				4.0 x 4.0 ft 16.0 ft²				4.0 x 2.0 ft 8.0 ft²					
5		Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)				0 ° 16.0 ft²				0 ° 8.0 ft²					
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Length	Btuh			Area or Length	Btuh					
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg			
6	Wall	12A-0sw	n	14.64	7.07	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	0		
11	Wall	12C-0sw	n	5.55	2.22	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	17.69	13.62	0	0	0	0	0	0	0	0		
	Wall	15B-0s-10	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15B-0s-8	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Door	11J0	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15B-10sfc-2	n	4.73	0.89	32	151	29	0	0	0	0	0		
	Wall	15E13-0w-2	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	e	14.64	7.07	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	e	17.69	30.20	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1A-c10m	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	4A3-2ow	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Door	11D0	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	12C-0sw	e	5.55	2.22	0	0	0	0	0	0	0	0		
	Wall	15B-0s-10	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15E11-0w-2	e	6.08	1.20	0	0	0	0	0	0	0	0		
	Wall	15E11-0w-2	se	5.96	1.10	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	se	34.77	53.92	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	s	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0	0		
	Door	11D0	s	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15B-0s-10	s	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	15E11-0w-2	s	6.04	1.17	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	s	34.77	33.08	0	0	0	0	0	0	0	0		
	Wall	15E11-0w-2	sw	5.95	1.09	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	sw	34.77	53.92	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	w	14.64	7.07	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	w	17.69	48.08	0	0	0	0	0	0	0	0		
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0	0		
	Wall	12C-0sw	w	5.55	2.22	0	0	0	0	0	0	0	0		
	Glaz	1D-c2ow	w	17.69	30.20	0	0	0	0	0	0	0	0		
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.33		WAR 0.03		261		WAR 0			
		Sensible Load (Btuh)		0.69				37				0			
		Latent Load (Btuh)													
13	Internal	a Occupants at 230 and 200 Btuh				0		0		0		0			
		b Scenario number				0		0		0		0			
		c Default Adjustments													
		d Custom Appliances						0		0		0			
		e Plants						0		0		0			
14	Subtotals	Sum lines 6 through 12						443		91		16		13	
15	Duct Loads	EHLF & ESGF		0		0		0		0		0		0	
		ELG								0				0	
16	Ventilation Loads	Vent Cfm		0		E Cfm		0							
17	Winter Humidification Load	Gal/Day		0											
18	Piping Load														
19	Blower Heat														
20	AED Excursion & Latent Moisture Migration Load									-2		0			
21	Total Load	Sum lines 13 through 19						443		91		16		13	

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room						Master Clst			Master Fourier			
2 Running Feet of Exposed Wall						0 ft			0 ft			
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)						9.0 ft	90.0 ft ²		11.7 ft	258.0 ft ²		
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)						2.0 x 3.0 ft	6.0 ft ²		1.0 x 48.0 ft	48.0 ft ²		
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)						0 °	6.0 ft ²		35.5 °	53.7 ft ²		
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Length	Btuh			Area or Length	Btuh		
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg
6	Wall	12A-0sw	n	14.64	7.07	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0	0	0	0	0
	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
11	Wall	12C-0sw	n	5.55	2.22	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	17.69	13.62	0	0	0	0	0	0	0
	Wall	15B-0s-10	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-8	n	0.00	0.00	0	0	0	0	0	0	0
	Door	11J0	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-10sfc-2	n	4.73	0.89	0	0	0	0	0	0	0
	Wall	15E13-0w-2	n	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0
	Wall	12A-0sw	e	14.64	7.07	0	0	0	0	0	0	0
	Glaz	1D-c2ow	e	17.69	30.20	0	0	0	0	0	0	0
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1A-c10m	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	4A3-2ow	e	0.00	0.00	0	0	0	0	0	0	0
	Door	11D0	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	12C-0sw	e	5.55	2.22	0	0	0	0	0	0	0
	Wall	15B-0s-10	e	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	e	6.08	1.20	0	0	0	0	0	0	0
	Wall	15E11-0w-2	se	5.96	1.10	0	0	0	0	0	0	0
	Glaz	1D-c2ow	se	34.77	53.92	0	0	0	0	0	0	0
	Wall	12A-0sw	s	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0
	Door	11D0	s	0.00	0.00	0	0	0	0	0	0	0
	Wall	15B-0s-10	s	0.00	0.00	0	0	0	0	0	0	0
	Wall	15E11-0w-2	s	6.04	1.17	0	0	0	0	0	0	0
	Glaz	1D-c2ow	s	34.77	33.08	0	0	0	0	0	0	0
	Wall	15E11-0w-2	sw	5.95	1.09	0	0	0	0	0	0	0
	Glaz	1D-c2ow	sw	34.77	53.92	0	0	0	0	0	0	0
	Wall	12A-0sw	w	14.64	7.07	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	17.69	48.08	0	0	0	0	0	0	0
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0
	Wall	12C-0sw	w	5.55	2.22	0	0	0	0	0	0	0
	Glaz	1D-c2ow	w	17.69	30.20	0	0	0	0	0	0	0
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.33	WAR	0	WAR	0.02	159	
		Sensible Load (Btuh)				0.69	0	0			22	
		Latent Load (Btuh)										
13	Internal	a Occupants at 230 and 200 Btuh				0		0	0		0	0
		b Scenario number						0			0	
		c Default Adjustments										
		d Custom Appliances						0			0	0
		e Plants									0	0
14	Subtotals	Sum lines 6 through 12						12	10		904	481
15	Duct Loads	EHLF & ESGF		0	0			0	0		0	0
		ELG							0			0
16	Ventilation Loads	Vent Cfm	0	E Cfm	0							
17	Winter Humidification Load	Gal/Day		0								
18	Piping Load											
19	Blower Heat											
20	AED Excursion & Latent Moisture Migration Load											
21	Total Load	Sum lines 13 through 19						12	10		904	481

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room			Kids Bath				Master Bedroom						
2 Running Feet of Exposed Wall			13.0 ft				37.7 ft						
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)			9.0 ft 285.0 ft²				9.4 ft 587.5 ft²						
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)			1.0 x 62.0 ft 62.0 ft²				1.0 x 240.0 ft 240.0 ft²						
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)			0 ° 62.0 ft²				35.5 ° 246.6 ft²						
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Length	Btuh			Area or Length	Btuh			
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg	
6	Wall	12A-0sw	n	14.64	7.07	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0	0	0	0	0	
	Wall	12A-0sw	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
11	Wall	12C-0sw	n	5.55	2.22	81	409	164	0	0	0	0	
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	17.69	13.62	7	130	100	0	0	0	0	
	Wall	15B-0s-10	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-8	n	0.00	0.00	0	0	0	0	0	0	0	
	Door	11J0	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-10sfc-2	n	4.73	0.89	0	0	0	0	0	0	0	
	Wall	15E13-0w-2	n	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12A-0sw	e	14.64	7.07	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	e	17.69	30.20	0	0	0	0	0	0	0	
	Wall	12A-0sw	e	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1A-c10m	e	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	4A3-2ow	e	0.00	0.00	0	0	0	0	0	0	0	
	Door	11D0	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12C-0sw	e	5.55	2.22	18	100	40	0	0	0	0	
	Wall	15B-0s-10	e	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E11-0w-2	e	6.08	1.20	0	0	0	45	273	54		
	Wall	15E11-0w-2	se	5.96	1.10	0	0	0	25	116	21		
	Glaz	1D-c2ow	se	34.77	53.92	0	0	0	6	209	324		
	Wall	12A-0sw	s	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1A-c10m	s	0.00	0.00	0	0	0	0	0	0	0	
	Door	11D0	s	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15B-0s-10	s	0.00	0.00	0	0	0	0	0	0	0	
	Wall	15E11-0w-2	s	6.04	1.17	0	0	0	135	743	143		
	Glaz	1D-c2ow	s	34.77	33.08	0	0	0	12	417	397		
	Wall	15E11-0w-2	sw	5.95	1.09	0	0	0	25	114	21		
	Glaz	1D-c2ow	sw	34.77	53.92	0	0	0	6	220	342		
	Wall	12A-0sw	w	14.64	7.07	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	w	17.69	48.08	0	0	0	0	0	0	0	
	Wall	12A-0sw	w	0.00	0.00	0	0	0	0	0	0	0	
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0	0	0	0	0	
	Wall	12C-0sw	w	5.55	2.22	18	100	40	0	0	0	0	
	Glaz	1D-c2ow	w	17.69	30.20	0	0	0	0	0	0	0	
12	Infiltration	Heating Load (Btuh)		Effect ACH		1.33		WAR 0.13		1271		3074	
		Sensible Load (Btuh)		0.69						178		431	
		Latent Load (Btuh)											
13	Internal	a Occupants at 230 and 200 Btuh				0		0		0		0	
		b Scenario number				0		0		0		0	
		c Default Adjustments											
		d Custom Appliances						0		0		0	
		e Plants						0		0		0	
14	Subtotals	Sum lines 6 through 12						3373 2149				11304 8562	
15	Duct Loads	EHLF & ESGF		0 0				0 0				0 0	
		ELG						0				0	
16	Ventilation Loads	Vent Cfm		0		E Cfm		0					
17	Winter Humidification Load	Gal/Day		0									
18	Piping Load												
19	Blower Heat												
20	AED Excursion & Latent Moisture Migration Load							10				538	
21	Total Load	Sum lines 13 through 19						3373 2149				11304 8562	

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

11 Lakeside Drive, New Rochelle, NY 10801

1 Name of Room						Hallway							
2 Running Feet of Exposed Wall						0 ft							
3 Ceiling Ht (Ft) and Gross Wall Area (SqFt)						10.6 ft			396.0 ft²				
4 Room Dimensions (Ft) and Floor Plan Area (SqFt)						1.0 x 101.0 ft			101.0 ft²				
5 Ceiling Slope (Deg.) and Gross Ceiling Area (SqFt)						35.5 °			105.0 ft²				
Type of Exposure	Const., Number	Panel Faces	HTM		Area or Length	Btuh			Area or Length	Btuh			
			Htg.	Clg.		Heating	S-Clg	L-Clg		Heating	S-Clg	L-Clg	
6	Wall	12A-0sw	n	14.64	7.07	0	0	0					
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0					
	Wall	12A-0sw	n	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0					
11	Wall	12C-0sw	n	5.55	2.22	0	0	0					
	Glaz	1D-c2ow	n	17.69	9.97	0	0	0					
	Glaz	1D-c2ow	n	17.69	13.62	0	0	0					
	Wall	15B-0s-10	n	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0					
	Wall	15B-0s-8	n	0.00	0.00	0	0	0					
	Door	11J0	n	0.00	0.00	0	0	0					
	Wall	15B-10sfc-2	n	4.73	0.89	0	0	0					
	Wall	15E13-0w-2	n	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	n	0.00	0.00	0	0	0					
	Wall	12A-0sw	e	14.64	7.07	0	0	0					
	Glaz	1D-c2ow	e	17.69	30.20	0	0	0					
	Wall	12A-0sw	e	0.00	0.00	0	0	0					
	Glaz	1A-c10m	e	0.00	0.00	0	0	0					
	Glaz	4A3-2ow	e	0.00	0.00	0	0	0					
	Door	11D0	e	0.00	0.00	0	0	0					
	Wall	12C-0sw	e	5.55	2.22	0	0	0					
	Wall	15B-0s-10	e	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	e	0.00	0.00	0	0	0					
	Wall	15E11-0w-2	e	6.08	1.20	0	0	0					
	Wall	15E11-0w-2	se	5.96	1.10	0	0	0					
	Glaz	1D-c2ow	se	34.77	53.92	0	0	0					
	Wall	12A-0sw	s	0.00	0.00	0	0	0					
	Glaz	1A-c10m	s	0.00	0.00	0	0	0					
	Glaz	1A-c10m	s	0.00	0.00	0	0	0					
	Door	11D0	s	0.00	0.00	0	0	0					
	Wall	15B-0s-10	s	0.00	0.00	0	0	0					
	Wall	15E11-0w-2	s	6.04	1.17	0	0	0					
	Glaz	1D-c2ow	s	34.77	33.08	0	0	0					
	Wall	15E11-0w-2	sw	5.95	1.09	0	0	0					
	Glaz	1D-c2ow	sw	34.77	53.92	0	0	0					
	Wall	12A-0sw	w	14.64	7.07	0	0	0					
	Glaz	1D-c2ow	w	17.69	48.08	0	0	0					
	Wall	12A-0sw	w	0.00	0.00	0	0	0					
	Glaz	1D-c2ow	w	0.00	0.00	0	0	0					
	Wall	12C-0sw	w	5.55	2.22	0	0	0					
	Glaz	1D-c2ow	w	17.69	30.20	0	0	0					
12	Infiltration	Heating Load (Btuh)		Effect		1.33		WAR		181			
		Sensible Load (Btuh)		ACH		0.69		0.02		25			
		Latent Load (Btuh)											
13	Internal	a Occupants at 230 and 200 Btuh				0		0		0			
		b Scenario number						0					
		c Default Adjustments											
		d Custom Appliances						0		0			
		e Plants								0			
14	Subtotals	Sum lines 6 through 12						2462		2385			
15	Duct Loads	EHLF & ESGF		0		0		0		0			
		ELG								0			
16	Ventilation Loads	Vent Cfm		0		E Cfm		0					
17	Winter Humidification Load	Gal/Day		0									
18	Piping Load												
19	Blower Heat												
20	AED Excursion & Latent Moisture Migration Load									-39			
21	Total Load	Sum lines 13 through 19						2462		2385			

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

11 Lakeside Drive, New Rochelle, NY 10801

Project Information

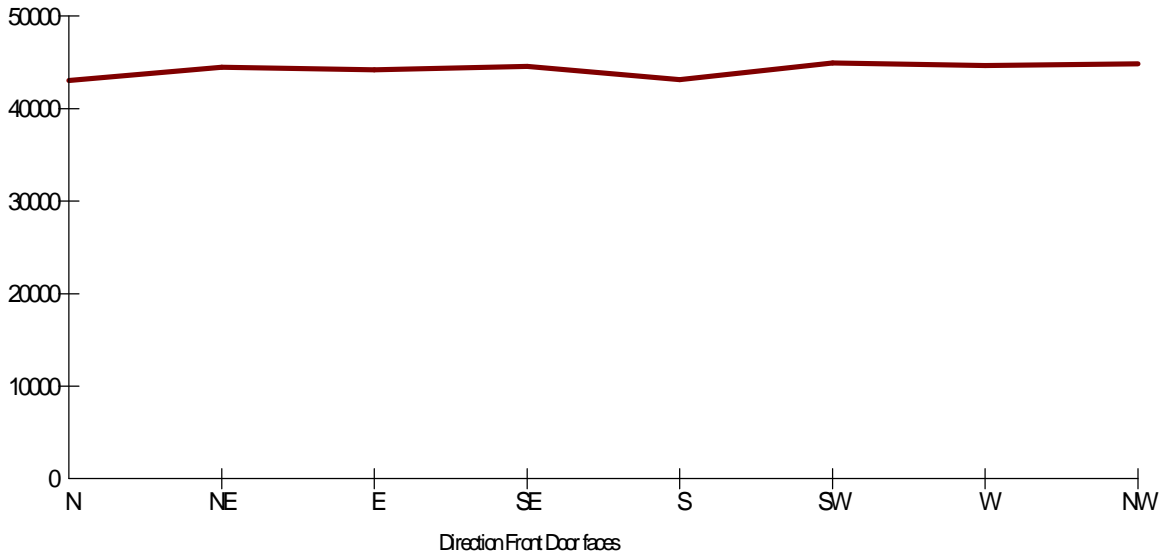
For: Ryan
 11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location:		Indoor:	Heating	Cooling
Westchester Co, NY, US		Indoor temperature (°F)	71	70
Elevation: 397 ft		Design TD (°F)	62	17
Latitude: 41°N		Relative humidity (%)	43	50
		Moisture difference (gr/lb)	50.0	41.8
Outdoor:	Heating	Cooling		
Dry bulb (°F)	9	87		
Daily range (°F)	-	17 (M)		
Wet bulb (°F)	-	72		
Wind speed (mph)	15.0	7.5		

Front Door	North	Northeast	East	Southeast	South	Southwest	West	Northwest
Sensible Load (Btuh)	37730	39201	38915	39273	37856	39645	39382	39551
Latent Load (Btuh)	5294	5294	5294	5294	5294	5294	5294	5294
Total Load (Btuh)	43024	44495	44209	44567	43150	44939	44676	44846
Heating AVF (cfm)	2535	2634	2615	2639	2544	2664	2646	2658
Cooling AVF (cfm)	2535	2634	2615	2639	2544	2664	2646	2658

Building Orientation Cooling Load



Current Orientation: Front Door faces South
 Highest Cooling Load: Front Door faces Southwest

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

11 Lakeside Drive, New Rochelle, NY 10801

Project Information

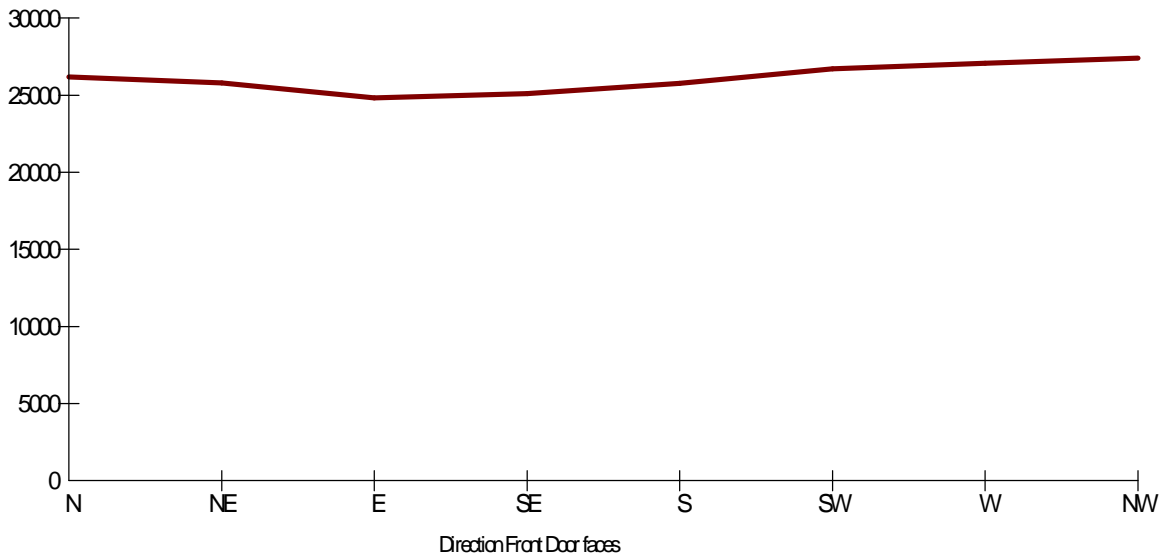
For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location:		Indoor:		Heating	Cooling
Westchester Co, NY, US		Indoor temperature (°F)		72	70
Elevation: 397 ft		Design TD (°F)		63	17
Latitude: 41°N		Relative humidity (%)		50	50
		Moisture difference (gr/lb)		52.3	41.8
Outdoor:	Heating	Cooling	Infiltration:		
Dry bulb (°F)	9	87			
Daily range (°F)	-	17 (M)			
Wet bulb (°F)	-	72			
Wind speed (mph)	15.0	7.5			

Front Door	North	Northeast	East	Southeast	South	Southwest	West	Northwest
Sensible Load (Btuh)	23038	22651	21676	21952	22640	23567	23943	24275
Latent Load (Btuh)	3142	3142	3142	3142	3142	3142	3142	3142
Total Load (Btuh)	26181	25793	24818	25094	25783	26709	27086	27418
Heating AVF (cfm)	1411	1466	1455	1468	1415	1482	1472	1479
Cooling AVF (cfm)	1526	1506	1446	1465	1520	1583	1609	1609

Building Orientation Cooling Load



Current Orientation: Front Door faces South
Highest Cooling Load: Front Door faces Northwest

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

11 Lakeside Drive, New Rochelle, NY 10801

Project Information

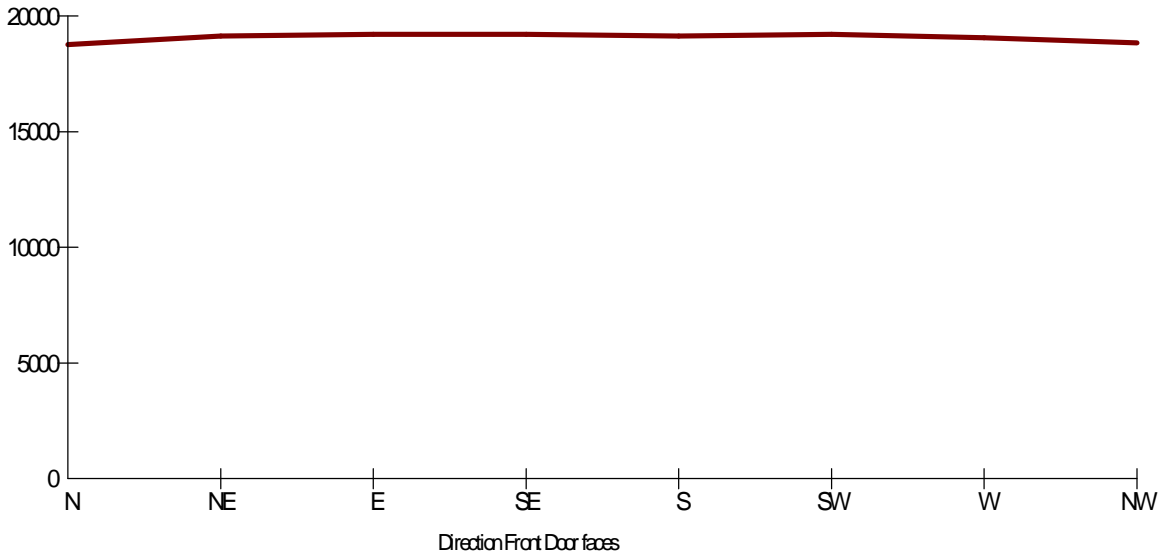
For: Ryan
11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location:		Indoor:	Heating	Cooling
Westchester Co, NY, US		Indoor temperature (°F)	70	70
Elevation: 397 ft		Design TD (°F)	61	17
Latitude: 41°N		Relative humidity (%)	50	50
		Moisture difference (gr/lb)	48.5	41.8
Outdoor:	Heating	Cooling	Infiltration:	
Dry bulb (°F)	9	87		
Daily range (°F)	-	17 (M)		
Wet bulb (°F)	-	72		
Wind speed (mph)	15.0	7.5		

Front Door	North	Northeast	East	Southeast	South	Southwest	West	Northwest
Sensible Load (Btuh)	16614	16982	17060	17064	16994	17059	16906	16698
Latent Load (Btuh)	2152	2152	2152	2152	2152	2152	2152	2152
Total Load (Btuh)	18766	19134	19212	19215	19146	19211	19058	18850
Heating AVF (cfm)	860	894	887	895	863	904	898	902
Cooling AVF (cfm)	1100	1129	1138	1139	1141	1146	1136	1107

Building Orientation Cooling Load



Current Orientation: Front Door faces South
Highest Cooling Load: Front Door faces Southeast

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

11 Lakeside Drive, New Rochelle, NY 10801

Project Information

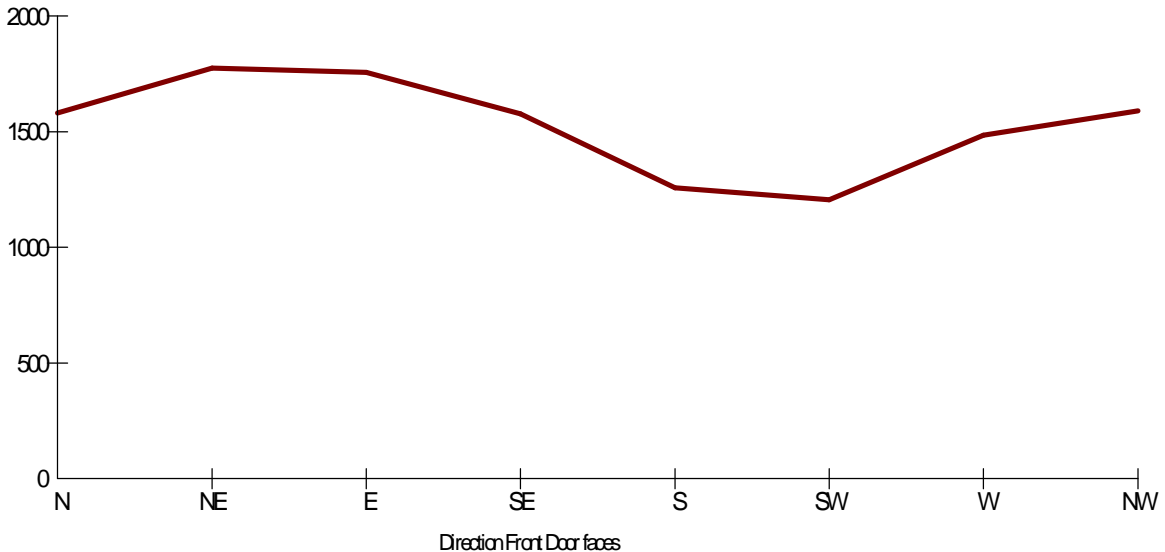
For: Ryan
 11 Lakeside Drive, New Rochelle, NY 10801

Design Conditions

Location:		Indoor:		Heating	Cooling
Westchester Co, NY, US		Indoor temperature (°F)		55	77
Elevation: 397 ft		Design TD (°F)		46	10
Latitude: 41°N		Relative humidity (%)		30	50
		Moisture difference (gr/lb)		12.4	26.8
Outdoor:	Heating	Cooling	Infiltration:		
Dry bulb (°F)	9	87			
Daily range (°F)	-	17 (M)			
Wet bulb (°F)	-	72			
Wind speed (mph)	15.0	7.5			

Front Door	North	Northeast	East	Southeast	South	Southwest	West	Northwest
Sensible Load (Btuh)	1581	1775	1756	1577	1258	1205	1486	1590
Latent Load (Btuh)	0	0	0	0	0	0	0	0
Total Load (Btuh)	1581	1775	1756	1577	1258	1205	1486	1590
Heating AVF (cfm)	264	275	273	275	265	278	276	277
Cooling AVF (cfm)	105	118	117	105	84	81	100	105

Building Orientation Cooling Load



Current Orientation: Front Door faces South
 Highest Cooling Load: Front Door faces Northeast

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



J1 Form - Worksheet A
Entire House
Ryan

Job:
 Date: Jan 29, 2019
 By:

11 Lakeside Drive, New Rochelle, NY 10801

Supporting Detail	
Project Name: Project1	Date: Jan 29, 2019
Address: 11 Lakeside Drive, New Rochelle, NY 10801	
Phone:	Job ID:

Worksheet A			
Location and Design Conditions			
Weather Location: Westchester Co, NY, US	Elevation = 397	Latitude = 41	
Indoor Conditions, Heating: DB = 71 °F RH = 43 %	Indoor Conditions, Cooling: DB = 70 °F RH = 50 %		
Table 1 Conditions 99% DB = 9 °F 1% DB = 87 °F	Grains Difference = 42 gr/lb	Daily Range = M	
Design Temperature Differences	HTD = 62 °F	CTD = 17 °F	

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





J1 Form - Worksheet A
Basement
Ryan

Job:
 Date: Jan 29, 2019
 By:

11 Lakeside Drive, New Rochelle, NY 10801

Supporting Detail	
Project Name: Project1	Date: Jan 29, 2019
Address: 11 Lakeside Drive, New Rochelle, NY 10801	
Phone:	Job ID:

Worksheet A			
Location and Design Conditions			
Weather Location: Westchester Co, NY, US	Elevation = 397	Latitude = 41	
Indoor Conditions, Heating: DB = 55 °F RH = 30 %	Indoor Conditions, Cooling: DB = 77 °F	RH = 50 %	
Table 1 Conditions 99% DB = 9 °F 1% DB = 87 °F	Grains Difference = 27 gr/lb	Daily Range = M	
Design Temperature Differences	HTD = 46 °F	CTD = 10 °F	

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





J1 Form - Worksheet A
Downstairs
Ryan

Job:
 Date: Jan 29, 2019
 By:

11 Lakeside Drive, New Rochelle, NY 10801

Supporting Detail	
Project Name: Project1	Date: Jan 29, 2019
Address: 11 Lakeside Drive, New Rochelle, NY 10801	
Phone:	Job ID:

Worksheet A Location and Design Conditions			
Weather Location: Westchester Co, NY, US	Elevation = 397	Latitude = 41	
Indoor Conditions, Heating: DB = 72 °F RH = 50 %	Indoor Conditions, Cooling: DB = 70 °F RH = 50 %		
Table 1 Conditions 99% DB = 9 °F 1% DB = 87 °F	Grains Difference = 42 gr/lb	Daily Range = M	
Design Temperature Differences	HTD = 63 °F	CTD = 17 °F	

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





J1 Form - Worksheet A
Upstairs
Ryan

Job:
 Date: Jan 29, 2019
 By:

11 Lakeside Drive, New Rochelle, NY 10801

Supporting Detail	
Project Name: Project1	Date: Jan 29, 2019
Address: 11 Lakeside Drive, New Rochelle, NY 10801	
Phone:	Job ID:

Worksheet A Location and Design Conditions			
Weather Location: Westchester Co, NY, US	Elevation = 397	Latitude = 41	
Indoor Conditions, Heating: DB = 70 °F RH = 50 %	Indoor Conditions, Cooling: DB = 70 °F RH = 50 %		
Table 1 Conditions 99% DB = 9 °F 1% DB = 87 °F	Grains Difference = 42 gr/lb	Daily Range = M	
Design Temperature Differences	HTD = 61 °F	CTD = 17 °F	

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



Ryan

11 Lakeside Drive, New Rochelle, NY 10801

Infiltration Summary

ZONE NAME	Heating				Cooling			
	Volume ft³	ACH	AVF cfm	HTM Btuh/ft²	Volume ft³	ACH	AVF cfm	HTM Btuh/ft²
Downstairs	10819	1.20	217	11.2	10819	0.62	112	1.5
Upstairs	6705	1.33	148	10.9	6705	0.69	77	1.5
Basement	380	1.01	6	8.2	0	0	0	0
Entire House	17904	1.24	371	11.0	17524	0.65	189	1.5

Load and AVF Summary

ROOM NAME	Area ft²	Htg load Btuh	Clg load Btuh	Htg AVF cfm	Clg AVF cfm
Office	80	3836	1299	113	80
Turtle Room	224	7562	4090	223	251
Guest Bathroom	30	873	363	26	22
Family Room	154	5964	3150	176	193
Fourier	20	1252	427	37	26
Closet	15	2128	689	63	42
Living Room	391	10686	7220	315	443
Kitchen	204	1884	435	56	27
Upper Living Room	391	13803	7070	407	434
Downstairs	1509	47988	24743	1415	1520
Guest Bedroom	154	5687	2498	168	153
Master Bathroom	60	1357	863	40	53
Perls Bedroom	140	3709	1520	109	93
Guest Closet	16	443	91	13	6
Hall Closet	8	16	13	0	1
Master Clst	6	12	10	0	1
Master Fourier	48	904	481	27	30
Kids Bath	62	3373	2149	99	132
Master Bedroom	240	11304	8562	333	526
Hallway	101	2462	2385	73	147
Upstairs	835	29266	18573	863	1141
PlayBoilerRoom	281	2132	248	63	15
Garage	380	3687	0	109	0
Laundry Room	170	1314	479	39	29
Future Bedroom	273	1858	647	55	40
Basement	1104	8990	1375	265	84
Entire House	3448	86244	41372	2544	2544