



Project Summary

Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
 Date: Sep 15, 2024
 By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

Project Information

For: SEDONA, AZ 86351

Notes: THIS CALCULATION WAS PERFORMED BASED ON INPUTS FROM THE CLIENT, WHO MUST VERIFY THAT ALL ASSUMPTIONS HOLD TRUE THROUGH THE BUILD PROCESS. FROM 3D MODEL: Total CFA = 3752 sq ft, total volume = 47,940 cu ft. Target blower door test @1ach50 = 799 cfm50.

Design Information

Weather: Sedona, AZ, US

Winter Design Conditions

Outside db 30 °F
 Inside db 70 °F
 Design TD 40 °F

Ventilation Method ASHRAE 62.2-2019

Heating Summary

Structure 31759 Btuh
 Ducts 0 Btuh
 Central vent (SER=75% 166 cfm) 1538 Btuh
 Energy recovery, Broan AI Series ERV or equivalent
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 33296 Btuh

Infiltration

Method Blower door
 Shielding / stories 4 (substantial) / 2
 Pressure /ACH /AVF 50 Pa / 1.0 / 798 cfm

	Heating	Cooling
Area (ft ²)	5921	5921
Volume (ft ³)	47855	47855
Air changes/hour	0.08	0.05
Equiv. AVF (cfm)	62	39

Heating Equipment Summary

Make
 Trade
 Model
 AHRI ref

Efficiency 0 HSPF
 Heating input
 Heating output 0 Btuh @ 47°F
 Temperature rise 0 °F
 Actual air flow 1661 cfm
 Air flow factor 0.052 cfm/Btuh
 Static pressure 0.54 in H2O
 Space thermostat
 Capacity balance point = 0 °F

Summer Design Conditions

Outside db 97 °F
 Inside db 75 °F
 Design TD 22 °F
 Daily range M
 Relative humidity 50 %
 Moisture difference -38 gr/lb

Sensible Cooling Equipment Load Sizing

Structure 30607 Btuh
 Ducts 0 Btuh
 Central vent (SER=75% 166 cfm) 826 Btuh
 Energy recovery, Broan AI Series ERV or equivalent
 Blower 0 Btuh

Use manufacturer's data n
 Rate/swing multiplier 1.02
 Equipment sensible load 31936 Btuh

Latent Cooling Equipment Load Sizing

Structure -36 Btuh
 Ducts 0 Btuh
 Central vent (LER=50% 166 cfm) -1789 Btuh
 Energy recovery, Broan AI Series ERV or equivalent
 Equipment latent load 0 Btuh

Equipment Total Load (Sen+Lat) 31936 Btuh
 Req. total capacity at 0.85 SHR 3.1 ton

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 1661 cfm
 Air flow factor 0.054 cfm/Btuh
 Static pressure 0.54 in H2O
 Load sensible heat ratio 1.00

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





Building Analysis

Entire House

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Project Information

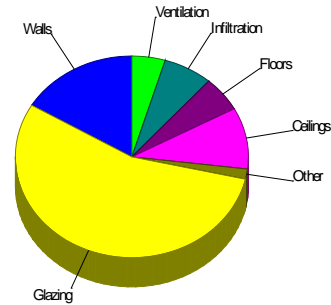
For: SEDONA, AZ 86351

Design Conditions

Location: Sedona, AZ, US Elevation: 4827 ft Latitude: 35°N			Indoor: Indoor temperature (°F) Design TD (°F) Relative humidity (%) Moisture difference (gr/lb)	Heating 70 40 50 42.6	Cooling 75 22 50 -37.8
Outdoor: Dry bulb (°F) Daily range (°F) Wet bulb (°F) Wind speed (mph)	Heating 30 - - 15.0	Cooling 97 23 (M) 61 7.5	Infiltration: Method Shielding / stories Pressure /ACH /AVF	Blower door 4 (substantial) / 2 50 Pa / 1.0 / 798 cfm	

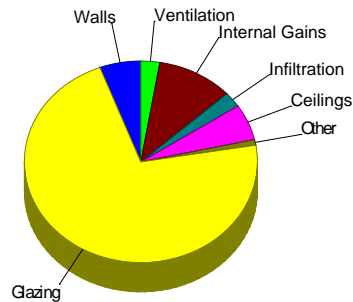
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	1.2	5472	16.4
Glazing	13.7	18323	55.0
Doors	14.9	535	1.6
Ceilings	1.2	3275	9.8
Floors	0.8	1873	5.6
Infiltration	0.4	2280	6.8
Ducts		0	0
Piping		0	0
Humidification		0	0
Ventilation		1538	4.6
Adjustments		0	0
Total		33296	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.4	1796	5.7
Glazing	16.9	22616	72.0
Doors	7.8	282	0.9
Ceilings	0.6	1821	5.8
Floors	0	0	0
Infiltration	0.1	772	2.5
Ducts		0	0
Ventilation		826	2.6
Internal gains		3320	10.6
Blower		0	0
Adjustments		0	0
Total		31433	100.0



Latent Cooling Load = 0 Btuh
 Overall U-value = 0.067 Btuh/ft²-°F, Window / Floor Area = 22.6 %

Data entries checked.



Load Short Form

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Project Information

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Design Information

	Htg	Clg	Method	Infiltration
Outside db (°F)	30	97		Blower door
Inside db (°F)	70	75	Shielding / stories	4 (substantial) / 2
Design TD (°F)	40	22	Pressure /ACH /AVF	50 Pa / 1.0 / 798 cfm
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	43	-38		

HEATING EQUIPMENT

COOLING EQUIPMENT

Make
 Trade
 Model
 AHRI ref

Efficiency 0 HSPF
 Heating input
 Heating output 0 Btuh @ 47°F
 Temperature rise 0 °F
 Actual air flow 1661 cfm
 Air flow factor 0.052 cfm/Btuh
 Static pressure 0.54 in H2O
 Space thermostat
 Capacity balance point = 0 °F

Make
 Trade
 Cond
 Coil
 AHRI ref

Efficiency 0 SEER
 Sensible cooling 0 Btuh
 Latent cooling 0 Btuh
 Total cooling 0 Btuh
 Actual air flow 1661 cfm
 Air flow factor 0.054 cfm/Btuh
 Static pressure 0.54 in H2O
 Load sensible heat ratio 1.00

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
GREAT RM	646	7993	5423	418	294
LAUNDRY	95	305	543	16	29
POWDER	41	0	0	0	0
KITCHEN	545	1989	3652	104	198
HVAC	15	0	0	0	0
YOGA	188	3582	4499	187	244
BED 2	295	3852	3686	202	200
BATH 2	152	903	1721	47	93
WIC 2	118	308	559	16	30
PAT BA	45	793	434	41	24
FL2 LOUNGE	392	1268	1366	66	74
FL2 CLO	45	120	87	6	5
J&J BA	64	298	190	16	10
BED 3	212	989	1521	52	83

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



WIC 3	40	425	268	22	15
PRIMARY BED	325	2244	2121	117	115
PRIM BATH	239	1165	1980	61	107
PRIM WIC	102	182	278	10	15
SAUNA	79	909	497	48	27
GREAT ATTIC	605	1223	485	64	26
SUITE 2 ATTIC	451	1004	388	53	21
TOP ATTIC-COND	1228	2204	906	115	49
Entire House	5921	31759	30607	1661	1661
Other equip loads		1538	826		
Equip. @ 1.02 RSM			31936		
Latent cooling			0		
TOTALS	5921	33296	31936	1661	1661

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AED Assessment

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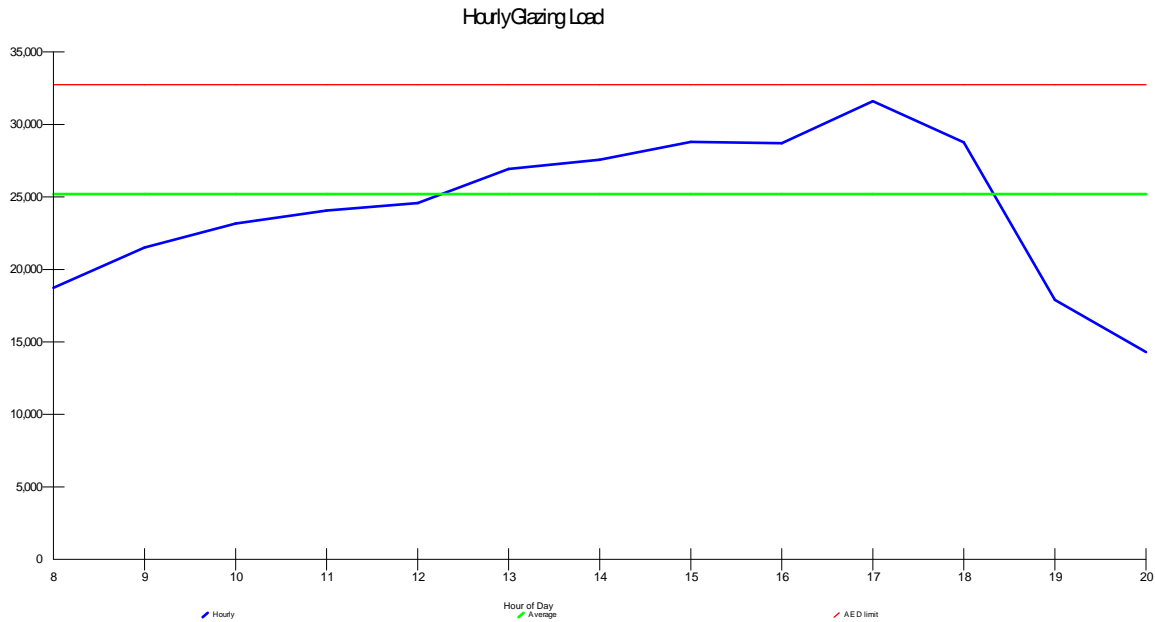
Project Information

For: SEDONA, AZ 86351

Design Conditions

Location:		Indoor:	Heating	Cooling
Sedona, AZ, US		Indoor temperature (°F)	70	75
Elevation: 4827 ft		Design TD (°F)	40	22
Latitude: 35°N		Relative humidity (%)	50	50
		Moisture difference (gr/lb)	42.6	-37.8
Outdoor:	Heating	Cooling		
Drybulb (°F)	30	97		
Daily range (°F)	-	23 (M)		
Wet bulb (°F)	-	61		
Wind speed (mph)	15.0	7.5		
		Infiltration:		

Test for Adequate Exposure Diversity



Maximum hourly glazing load exceeds average by 25.5%.

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

AED excursion: 0 Btuh



Loads for Multiple Orientations

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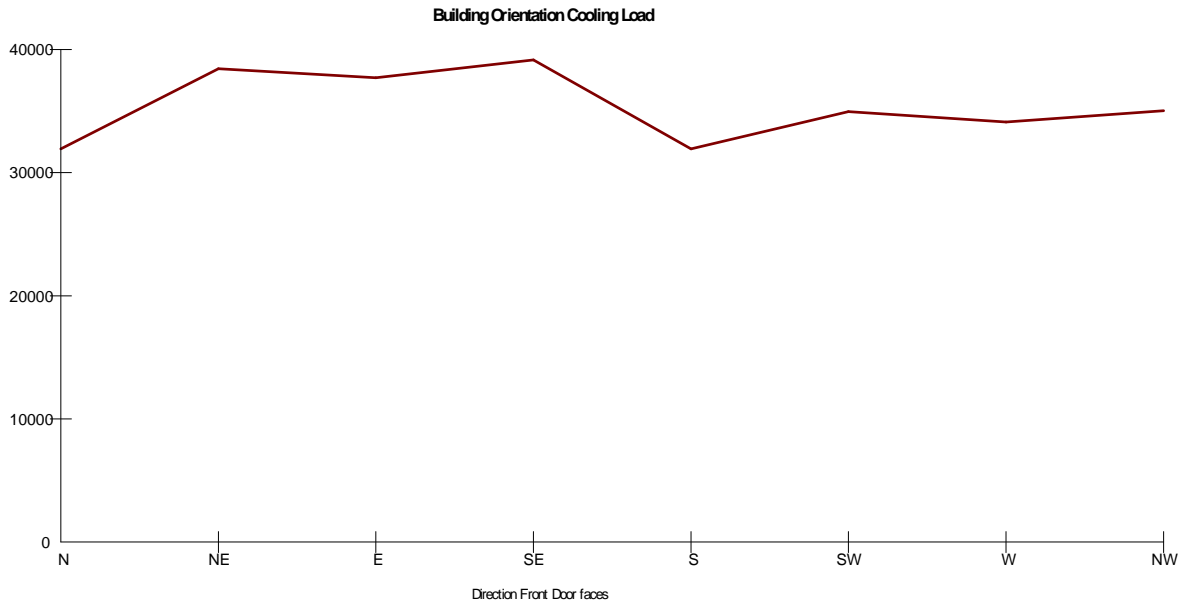
Project Information

For: SEDONA, AZ 86351

Design Conditions

Location:			Indoor:	Heating	Cooling
Sedona, AZ, US			Indoor temperature (°F)	70	75
Elevation: 4827 ft			Design TD (°F)	40	22
Latitude: 35°N			Relative humidity (%)	50	50
Outdoor:	Heating	Cooling	Moisture difference (gr/lb)	42.6	-37.8
Dry bulb (°F)	30	97	Infiltration:		
Daily range (°F)	-	23 (M)			
Wet bulb (°F)	-	61			
Wind speed (mph)	15.0	7.5			

Front Door	North	Northeast	East	Southeast	South	Southwest	West	Northwest
Sensible Load (Btuh)	31937	38432	37704	39150	31936	34946	34106	35025
Latent Load (Btuh)	0	0	0	0	0	0	0	0
Total Load (Btuh)	31937	38432	37704	39150	31936	34946	34106	35025
Heating AVF (cfm)	1661	2008	1969	2047	1661	1822	1777	1826
Cooling AVF (cfm)	1661	2008	1969	2047	1661	1822	1777	1826



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

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Component Constructions

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Construction descriptions

Construction descriptions	Or	Area ft²	U-value Btuh/ft²-°F	Insul R ft²-°F/Btuh	Htg HTM Btuh/ft²	Loss Btuh	Clg HTM Btuh/ft²	Gain Btuh
Walls								
Frm wall, stucco ext, 1/2" wood shth, r-13 cav ins, 1/2" gypsum board	n	356	0.038	26.0	1.54	549	0.51	180
int fnsh, r-13 ext bd ins, 2"x6" wood frm, 16" o.c. stud	e	334	0.038	26.0	1.54	514	0.51	169
	s	344	0.038	26.0	1.54	530	0.51	174
	w	569	0.038	26.0	1.54	876	0.51	288
	nw	31	0.038	26.0	1.54	48	0.51	16
	all	1633	0.038	26.0	1.54	2517	0.51	826
Frm wall, stucco ext, 1/2" wood shth, r-22 cav ins, 1/2" gypsum board	n	451	0.033	35.0	1.32	594	0.43	195
int fnsh, r-13 ext bd ins, 2"x6" wood frm, 16" o.c. stud	e	646	0.033	35.0	1.32	851	0.43	279
	s	635	0.033	35.0	1.32	837	0.43	275
	w	511	0.033	35.0	1.32	673	0.43	221
	all	2242	0.033	35.0	1.32	2955	0.43	970
Partitions								
12C-0sw		575	0	0	0	0	0	0
Windows								
U-.28 .31 SHGC: U-.28 .31 SHGC; NFRC rated (SHGC=0.31); 50% blinds		3	0.280	0	11.3	34	10.8	32
45°, medium; 2 ft overhang (1 ft w indow ht, 1 ft sep.); 8 ft head ht								
U-.37 .21 SHGC: U-.37 .21 SHGC; NFRC rated (SHGC=0.21); 50% blinds		88	0.370	0	14.9	1313	11.2	991
45°, medium; 2.5 ft overhang (8.83 ft w indow ht, 1 ft sep.); 9 ft head ht								
U-.37 .21 SHGC: U-.37 .21 SHGC; NFRC rated (SHGC=0.21); 50% blinds		118	0.370	0	14.9	1755	11.2	1324
45°, medium; 2.5 ft overhang (9.83 ft w indow ht, 1 ft sep.); 10 ft head w		59	0.370	0	14.9	877	23.9	1412
ht	all	177	0.370	0	14.9	2632	15.5	2736
U-.37 .21 SHGC: U-.37 .21 SHGC; NFRC rated (SHGC=0.21); 50% blinds		197	0.370	0	14.9	2934	11.2	2214
45°, medium; 16 ft overhang (12.33 ft w indow ht, 1 ft sep.); 12.5 ft								
head ht								
U-.28 .31 SHGC: U-.28 .31 SHGC; NFRC rated (SHGC=0.31); 50% blinds		15	0.280	0	11.3	167	10.8	160
45°, medium; 8 ft head ht	e	36	0.280	0	11.3	405	31.8	1147
	s	24	0.280	0	11.3	270	14.9	358
	s	26	0.280	0	11.3	295	14.9	391
	w	7	0.280	0	11.3	75	31.8	212
	all	108	0.280	0	11.3	1213	21.0	2268



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Right-Suite® Universal 2024 24.0.01 RSU26868

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U-.28 .31 SHGC: U-.28 .31 SHGC; NFRC rated (SHGC=0.31); 50% blinds 45°, medium; 2 ft overhang (8 ft w indow ht, 1 ft sep.); 8 ft head ht	36	0.280	0	11.3	405	10.8	389
U-.29 .37 SHGC: U-.29 .37 SHGC; NFRC rated (SHGC=0.37); 50% blinds 45°, medium; 8 ft head ht	10	0.290	0	11.7	117	12.0	120
	e	12	0.290	0	11.7	136	37.1
	s	15	0.290	0	11.7	175	16.8
	w	34	0.290	0	11.7	394	37.1
	all	70	0.290	0	11.7	822	29.2
U-.29 .37 SHGC: U-.29 .37 SHGC; NFRC rated (SHGC=0.37); 50% blinds 45°, medium; 2 ft overhang (6.2 ft w indow ht, 1 ft sep.); 8 ft head ht	20	0.290	0	11.7	229	12.0	235
U-.37 .21 SHGC: U-.37 .21 SHGC; NFRC rated (SHGC=0.21); 50% blinds 45°, medium; 2 ft overhang (8 ft w indow ht, 1 ft sep.); 8 ft head ht	96	0.370	0	14.9	1428	11.2	1077
U-.28 .31 SHGC: U-.28 .31 SHGC; NFRC rated (SHGC=0.31); 50% blinds 45°, medium; 2 ft overhang (6.67 ft w indow ht, 1 ft sep.); 8 ft head ht	17	0.280	0	11.3	188	10.8	180
U-.29 .37 SHGC: U-.29 .37 SHGC; NFRC rated (SHGC=0.37); 50% blinds 45°, medium; 9 ft head ht	36	0.290	0	11.7	420	37.1	1334
	e	39	0.290	0	11.7	455	37.1
	all	75	0.290	0	11.7	874	37.1
U-.28 .31 SHGC: U-.28 .31 SHGC; NFRC rated (SHGC=0.31); 50% blinds 45°, medium; 2 ft overhang (6 ft w indow ht, 1 ft sep.); 8 ft head ht	15	0.280	0	11.3	169	29.6	444
U-.29 .37 SHGC: U-.29 .37 SHGC; NFRC rated (SHGC=0.37); 50% blinds 45°, medium; 2 ft overhang (4.33 ft w indow ht, 1 ft sep.); 8 ft head ht	6	0.290	0	11.7	76	33.3	217
	s	6	0.290	0	11.7	76	12.0
	all	13	0.290	0	11.7	151	22.7
U-.29 .37 SHGC: U-.29 .37 SHGC; NFRC rated (SHGC=0.37); 50% blinds 45°, medium; 2 ft overhang (6 ft w indow ht, 1 ft sep.); 8 ft head ht	15	0.290	0	11.7	175	34.4	516
	s	15	0.290	0	11.7	175	12.0
	all	30	0.290	0	11.7	350	23.2
U-.34 .21 SHGC: U-.34 .21 SHGC; NFRC rated (SHGC=0.21); 50% blinds 45°, medium; 4 ft overhang (12 ft w indow ht, 1 ft sep.); 12 ft head ht	144	0.340	0	13.7	1968	10.6	1523
U-.37 .21 SHGC: U-.37 .21 SHGC; NFRC rated (SHGC=0.21); 50% blinds 45°, medium; 7 ft overhang (3 ft w indow ht, 1 ft sep.); 12 ft head ht	12	0.370	0	14.9	178	11.2	135
U-.29 .37 SHGC: U-.29 .37 SHGC; NFRC rated (SHGC=0.37); 50% blinds 45°, medium; 1.5 ft overhang (8 ft w indow ht, 1 ft sep.); 8 ft head ht	20	0.290	0	11.7	233	36.3	727
U-.37 .21 SHGC: U-.37 .21 SHGC; NFRC rated (SHGC=0.21); 50% blinds 45°, medium; 2 ft overhang (8.83 ft w indow ht, 1 ft sep.); 9 ft head ht	106	0.370	0	14.9	1576	24.4	2589
U-.37 .21 SHGC: U-.37 .21 SHGC; NFRC rated (SHGC=0.21); 50% blinds 45°, medium; 16 ft overhang (9 ft w indow ht, 1 ft sep.); 8 ft head ht	108	0.370	0	14.9	1606	11.2	1212
U-.28 .31 SHGC: U-.28 .31 SHGC; NFRC rated (SHGC=0.31); 50% blinds 45°, medium; 2 ft overhang (1.33 ft w indow ht, 1 ft sep.); 8 ft head ht	2	0.280	0	11.3	19	23.0	38

Doors

Door, wd sc type: DOOR U-.37	s	36	0.370	3.0	14.9	535	7.83	282
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Ceilings

18B-38zl: Flat ceiling, membrane roof mat, frm deck, 1/2" gypsum board int fnsh, 12" thkns, r-38 ceil ins	2810	0.029	38.0	1.17	3275	0.65	1821
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Floors

22D-10tpl: Bg floor, light dry soil, full ext ins cov, on grade depth, r-10 edge ins, r-10 ins, tile flr fnsh	224	0.208	10.0	8.36	1873	0	0
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Right-J® Worksheet

Entire House

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By:

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1		Room name		Entire House				GREAT RM						
2		Exposed wall		8.1 ft				72.5 ft						
3		Room height		15.0 ft				1.0 x 646.0 ft						
4		Room dimensions		5920.7 ft²				646.0 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	Frm wall, stucco ext	0.038	n	1.54	0.51	763	356	549	180	319	121	187	61
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	3	0	34	32	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	88	0	1313	991	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	118	0	1755	1324	0	0	0	0
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	197	0	2934	2214	197	0	2934	2214
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	627	451	594	195	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	15	0	167	160	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	36	0	405	389	0	0	0	0
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	10	0	117	120	0	0	0	0
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	20	0	229	235	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	96	0	1428	1077	0	0	0	0
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	434	334	514	169	0	0	0	0
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	36	0	405	1147	0	0	0	0
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	17	3	188	180	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	12	0	136	432	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	36	0	420	1334	0	0	0	0
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	721	646	851	279	0	0	0	0
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	15	3	169	444	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	6	2	76	217	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	15	3	175	516	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	39	0	455	1445	0	0	0	0
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	566	344	530	174	416	224	346	113
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	24	0	270	358	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	6	13	76	78	0	0	0	0
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	144	288	1968	1523	144	144	1968	1523
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	12	24	178	135	12	12	178	135
	D	Door, wd sc type	0.370	s	14.87	7.83	36	36	535	282	36	36	535	282
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	691	635	837	275	0	0	0	0
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	26	0	295	391	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	15	0	175	252	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	15	30	175	179	0	0	0	0
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	862	569	876	288	353	333	512	168
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	20	1	233	727	20	1	233	727
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	106	15	1576	2589	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	108	216	1606	1212	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	59	13	877	1412	0	0	0	0
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	551	511	673	221	0	0	0	0
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	7	0	75	212	0	0	0	0
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	34	0	394	1253	0	0	0	0
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	33	31	48	16	0	0	0	0
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	2	0	19	38	0	0	0	0
	P	12C-0sw	0.000	-	0.00	0.00	575	575	0	0	0	0	0	0
	C	18B-38zi	0.029	-	1.17	0.65	2810	2810	3275	1821	17	17	20	11
	F	22D-10tpl	0.208	-	8.36	0.00	2234	224	1873	0	646	73	606	0
6	c) AED excursion													-871
	Envelope loss/gain								29479	26515			7521	4363
12	a) Infiltration								2280	772			472	160
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		4		920	0			0	0
			Appliances/other						2400				900	
	Subtotal (lines 6 to 13)								31759	30607			7993	5423
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								31759	30607			7993	5423
15	Duct loads								0	0			0	0
	Total room load								31759	30607			7993	5423
	Air required (cfm)								1661	1661			418	294

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





Right-J® Worksheet

Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1 Room name		LAUNDRY								POWDER					
2 Exposed wall		8.5 ft								0 ft					
3 Room height		10.0 ft				heat/cool				10.0 ft		heat/cool			
4 Room dimensions		1.0		x		94.6 ft				4.5		x		9.0 ft	
5 Room area		94.6 ft²								40.5 ft²					
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	Frm wall, stucco ext	0.038	n	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	85	79	121	40	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	6	6	76	78	0	0	0	0	
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	0	
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0	0	0	0	0	
	P	12C-0sw	0.000	-	0.00	0.00	148	148	0	0	0	0	0	0	
	C	18B-38zi	0.029	-	1.17	0.65	0	0	0	0	0	0	0	0	
	F	22D-10tpl	0.208	-	8.36	0.00	95	9	71	0	41	0	0	0	
6	c) AED excursion													0	
	Envelope loss/gain								268	30				0	
12	a) Infiltration								37	13				0	
	b) Room ventilation								0	0				0	
13	Internal gains:		Occupants @		230		0			0	0			0	
			Appliances/other							500				0	
	Subtotal (lines 6 to 13)								305	543				0	
	Less external load								0	0				0	
	Less transfer								0	0				0	
	Redistribution								0	0				0	
14	Subtotal								305	543				0	
15	Duct loads								0	0	-0%	0%		0	
	Total room load								305	543				0	
	Air required (cfm)								16	29				0	

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





Right-J® Worksheet

Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1 Room name		KITCHEN						HVAC						
2 Exposed wall		19.5 ft						0 ft						
3 Room height		10.0 ft						10.0 ft						
4 Room dimensions		1.0 x 544.6 ft						4.3 x 3.5 ft						
5 Room area		544.6 ft²						14.9 ft²						
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	Frm wall, stucco ext	0.038	n	1.54	0.51	28	28	42	14	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	168	60	92	30	0	0	0	
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	108	108	1606	1212	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0	0	0	0	
	P	12C-0sw	0.000	-	0.00	0.00	203	203	0	0	78	78	0	
	C	18B-38zi	0.029	-	1.17	0.65	1	1	1	1	0	0	0	
	F	22D-10tpl	0.208	-	8.36	0.00	545	20	163	0	15	0	0	
6	c) AED excursion									1367			0	
	Envelope loss/gain								1905	2623			0	
12	a) Infiltration								85	29			0	
	b) Room ventilation								0	0			0	
13	Internal gains:		Occupants @	230		0				0	0		0	
			Appliances/other							1000			0	
	Subtotal (lines 6 to 13)								1989	3652			0	
	Less external load								0	0			0	
	Less transfer								0	0			0	
	Redistribution								0	0			0	
14	Subtotal								1989	3652			0	
15	Duct loads								-0%	0%			0	
	Total room load								1989	3652			0	
	Air required (cfm)								104	198			0	

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





Right-J® Worksheet Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1 Room name				YOGA				BED 2						
2 Exposed wall				27.5 ft				38.0 ft						
3 Room height				10.0 ft				11.0 ft						
4 Room dimensions				12.5 x 15.0 ft				1.0 x 294.6 ft						
5 Room area				187.5 ft²				294.6 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	Frm wall, stucco ext	0.038	n	1.54	0.51	125	37	57	19	182	64	98	32
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	88	0	1313	991	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	118	0	1755	1324
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	0	0	0	0	138	102	156	51
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	36	0	405	1147
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	0
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	150	44	68	22	99	40	62	20
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	106	8	1576	2589	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	59	6	877	1412
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0	0	0	0	0
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0
	C	18B-38zl	0.029	-	1.17	0.65	188	188	219	122	0	0	0	0
	F	22D-10tpl	0.208	-	8.36	0.00	188	28	230	0	295	38	318	0
6	c) AED excursion									486				-592
	Envelope loss/gain								3462	4228			3671	3395
12	a) Infiltration								119	40			182	61
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		1		230		1		230	0
			Appliances/other						0				0	0
	Subtotal (lines 6 to 13)								3582	4499			3852	3686
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								3582	4499			3852	3686
15	Duct loads								0	0			0	0
	Total room load								3582	4499			3852	3686
	Air required (cfm)								187	244			202	200

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





Right-J® Worksheet

Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1 Room name		BATH 2								WIC 2							
2 Exposed wall		16.8 ft								6.8 ft							
3 Room height		11.0 ft								10.0 ft							
4 Room dimensions		1.0 x 152.3 ft								17.5 x 6.8 ft							
5 Room area		152.3 ft²								118.1 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	Frm wall, stucco ext	0.038	n	1.54	0.51	58	55	84	28	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	3	0	34	32	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0			
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	127	91	139	46	68	56	86	28			
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	12	0	136	432			
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	36	0	420	1334	0	0	0	0			
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0			
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	0			
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0	0	0	0	0			
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	148	148	0	0			
	C	18B-38zl	0.029	-	1.17	0.65	4	4	5	3	0	0	0	0			
	F	22D-10tpl	0.208	-	8.36	0.00	152	17	140	0	118	7	56	0			
6	c) AED excursion									251				88			
	Envelope loss/gain								822	1694			279	549			
12	a) Infiltration								80	27			29	10			
	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)								903	1721			308	559			
	Less external load								0	0			0	0			
	Less transfer								0	0			0	0			
	Redistribution								0	0			0	0			
14	Subtotal								903	1721			308	559			
15	Duct loads								-0%	0%			0	0			
	Total room load								903	1721			308	559			
	Air required (cfm)								47	93			16	30			

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





Right-J® Worksheet

Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1 Room name		PAT BA								FL2 LOUNGE							
2 Exposed wall		20.0 ft								38.5 ft							
3 Room height		10.0 ft								12.4 ft							
4 Room dimensions		1.0 x 45.3 ft								1.0 x 392.3 ft							
5 Room area		45.3 ft²								392.3 ft²							
6	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)				
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool			
6	W	Frm wall, stucco ext	0.038	n	1.54	0.51	53	53	81	27	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0				
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0				
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	0	0	0	0	0	0	0				
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0				
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0				
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	73	56	86	28	30	30	46	15			
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	0	0	0				
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	17	2	188	180	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0				
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	0	0	0	0	30	30	40	13			
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0				
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0	65	41	63	21			
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	24	0	270	358			
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0			
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	0			
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	0	0	0	0	65	65	86	28			
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	43	43	66	21	50	50	77	25			
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	0	0	0	0	120	100	132	43			
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0	21	0	239	760			
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	33	31	48	16	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	2	0	19	38	0	0	0	0			
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0			
	C	18B-38z1	0.029	-	1.17	0.65	45	45	53	29	33	33	38	21			
	F	22D-10tpl	0.208	-	8.36	0.00	45	20	167	0	96	15	121	0			
6	c) AED excursion									65				30			
	Envelope loss/gain								706	405			1111	1313			
12	a) Infiltration								87	29			157	53			
	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)								793	434			1268	1366			
	Less external load								0	0			0	0			
	Less transfer								0	0			0	0			
	Redistribution								0	0			0	0			
14	Subtotal								793	434			1268	1366			
15	Duct loads								0	0	-0%	0%	0	0			
	Total room load								793	434			1268	1366			
	Air required (cfm)								41	24			66	74			

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





Right-J® Worksheet

Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1 Room name		FL2 CLO 4.8 ft								J&J BA 12.8 ft							
2 Exposed wall		10.0 ft								10.0 ft							
3 Room height		4.8								6.8							
4 Room dimensions		x 9.5 ft								x 9.5 ft							
5 Room area		45.1 ft²								64.1 ft²							
6	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)				
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool			
6	W	Frm wall, stucco ext	0.038	n	1.54	0.51	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0			
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	0	0	0.03	0	60	60	79	26			
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0			
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	0			
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	48	44	58	19	68	60	79	26			
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	4	0	42	56	8	0	84	112			
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0	0	0	0	0			
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0	0	0	0	0			
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0	0	0	0	0			
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0	0	0	0	0			
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0	0	0	0	0			
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0			
	C	18B-38zi	0.029	-	1.17	0.65	0	0	0	0	0	0	0	0			
	F	22D-10tpl	0.208	-	8.36	0.00	0	0	0	0	0	0	0	0			
6	c) AED excursion									5				8			
	Envelope loss/gain								100	80			243	171			
12	a) Infiltration								21	7			55	19			
	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)								120	87			298	190			
	Less external load								0	0			0	0			
	Less transfer								0	0			0	0			
	Redistribution								0	0			0	0			
14	Subtotal								120	87			298	190			
15	Duct loads								-0%	0%			0	0			
	Total room load								120	87			298	190			
	Air required (cfm)								6	5			16	10			

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





Right-J® Worksheet Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1		Room name		BED 3		WIC 3								
2		Exposed wall		21.8 ft		12.8 ft								
3		Room height		10.0 ft		10.0 ft								
4		Room dimensions		13.3 x 16.0 ft		5.8 x 7.0 ft								
5		Room area		212.0 ft²		40.3 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	Frm wall, stucco ext	0.038	n	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	85	55	72	24	70	70	92	30
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	15	2	169	444	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	15	2	175	516	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	0
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	133	103	135	44	58	43	56	18
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	15	0	169	223	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	15	0	175	252	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	15	15	175	179
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0	0	0	0	0
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0
	C	18B-38zi	0.029	-	1.17	0.65	0	0	0	0	40	40	47	26
	F	22D-10tpl	0.208	-	8.36	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion													-5
	Envelope loss/gain								895	1260			370	249
12	a) Infiltration								94	32			55	19
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		1		230	0			0	0
			Appliances/other						0				0	0
	Subtotal (lines 6 to 13)								989	1521			425	268
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								989	1521			425	268
15	Duct loads								0	0	-0%	0%	0	0
	Total room load								989	1521			425	268
	Air required (cfm)								52	83			22	15

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





Right-J® Worksheet Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1 Room name		PRIMARY BED 36.3 ft							PRIM BATH 23.8 ft						
2 Exposed wall		10.0 ft heat/cool							10.0 ft heat/cool						
3 Room height		20.0 x 16.3 ft							1.0 x 239.0 ft						
4 Room dimensions		325.0 ft²							239.0 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	Frm wall, stucco ext	0.038	n	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	200	94	124	41	106	72	94	31	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	15	0	167	160	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	10	0	117	120	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	20	0	229	235	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	96	0	1428	1077	0	0	0	0	
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	0	0	0	0	68	29	38	12	
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	39	0	455	1445	
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0	
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	0	
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	163	143	188	62	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	7	0	75	212	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	13	0	155	494	0	0	0	0	
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0	0	0	0	0	
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0	
	C	18B-38zi	0.029	-	1.17	0.65	0	0	0	0	92	92	107	60	
	F	22D-10tpl	0.208	-	8.36	0.00	0	0	0	0	0	0	0	0	
6	c) AED excursion													12	
	Envelope loss/gain								2086	1838			1090	1955	
12	a) Infiltration								157	53			75	26	
	b) Room ventilation								0	0			0	0	
13	Internal gains:		Occupants @		230		1		230	0			0	0	
			Appliances/other						0				0	0	
	Subtotal (lines 6 to 13)								2244	2121			1165	1980	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								2244	2121			1165	1980	
15	Duct loads								0	0			0	0	
	Total room load								2244	2121			1165	1980	
	Air required (cfm)								117	115			61	107	

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





Right-J® Worksheet

Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1 Room name				PRIM WIC		SAUNA								
2 Exposed wall				4.8 ft		26.3 ft								
3 Room height				10.0 ft		10.0 ft		heat/cool		heat/cool				
4 Room dimensions				1.0 x 102.1 ft		8.5 x 9.3 ft								
5 Room area				102.1 ft²		78.6 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	Frm wall, stucco ext	0.038	n	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	0	0	0	0	85	49	65	21
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	36	0	405	389
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	48	41	54	18	93	93	122	40
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	6	1	76	217	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	0
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	0	0	0	0	85	85	112	37
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0	0	0	0	0
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0	0	0	0	0
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0	0	0	0	0
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0	0	0	0	0
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0	0	0	0	0
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0
	C	18B-38zl	0.029	-	1.17	0.65	27	27	32	18	79	79	92	51
	F	22D-10tpl	0.208	-	8.36	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion									19				-80
	Envelope loss/gain								162	271			795	458
12	a) Infiltration								21	7			114	39
	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)								182	278			909	497
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								182	278			909	497
15	Duct loads								-0%	0%			0	0
	Total room load								182	278			909	497
	Air required (cfm)								10	15			48	27

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





Right-J® Worksheet

Entire House

BUILDING PERFORMANCE WORKSHOP LLC

Job: FOWLER HOME
Date: Sep 15, 2024
By:

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

1 Room name		GREAT ATTIC							SUITE 2 ATTIC						
2 Exposed wall		98.5 ft							91.0 ft						
3 Room height		3.0 ft							3.0 ft						
4 Room dimensions		25.8 x 23.5 ft							1.0 x 450.9 ft						
5 Room area		605.1 ft²							450.9 ft²						
6	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	Frm wall, stucco ext	0.038	n	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	77	77	102	33	65	65	86	28	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	71	71	93	30	71	71	94	31	
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0	
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0	0	0	0	0	
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	77	77	102	33	65	65	86	28	
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0	0	0	0	0	
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	71	71	93	30	71	71	94	31	
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0	0	0	0	0	
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0	0	0	0	0	
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0	0	0	0	0	
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0	0	0	0	0	
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0	
	C	18B-38zl	0.029	-	1.17	0.65	605	605	705	392	451	451	526	292	
	F	22D-10tpl	0.208	-	8.36	0.00	0	0	0	0	0	0	0	0	
6	c) AED excursion														
	Envelope loss/gain								1095	442			885	348	
12	a) Infiltration								128	43			119	40	
	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)								1223	485			1004	388	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								1223	485			1004	388	
15	Duct loads								-0%	0%			0	0	
	Total room load								1223	485			1004	388	
	Air required (cfm)								64	26			53	21	

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





Right-J® Worksheet

Entire House

Job: FOWLER HOME
 Date: Sep 15, 2024
 By:

BUILDING PERFORMANCE WORKSHOP LLC

3398 WASHINGTON RD., ATLANTA, GA 30344 Phone: 773-398-5288 Email: Corbett@BuildingPerformanceWorkshop.com Web: BuildingPerformanceWorkshop.com

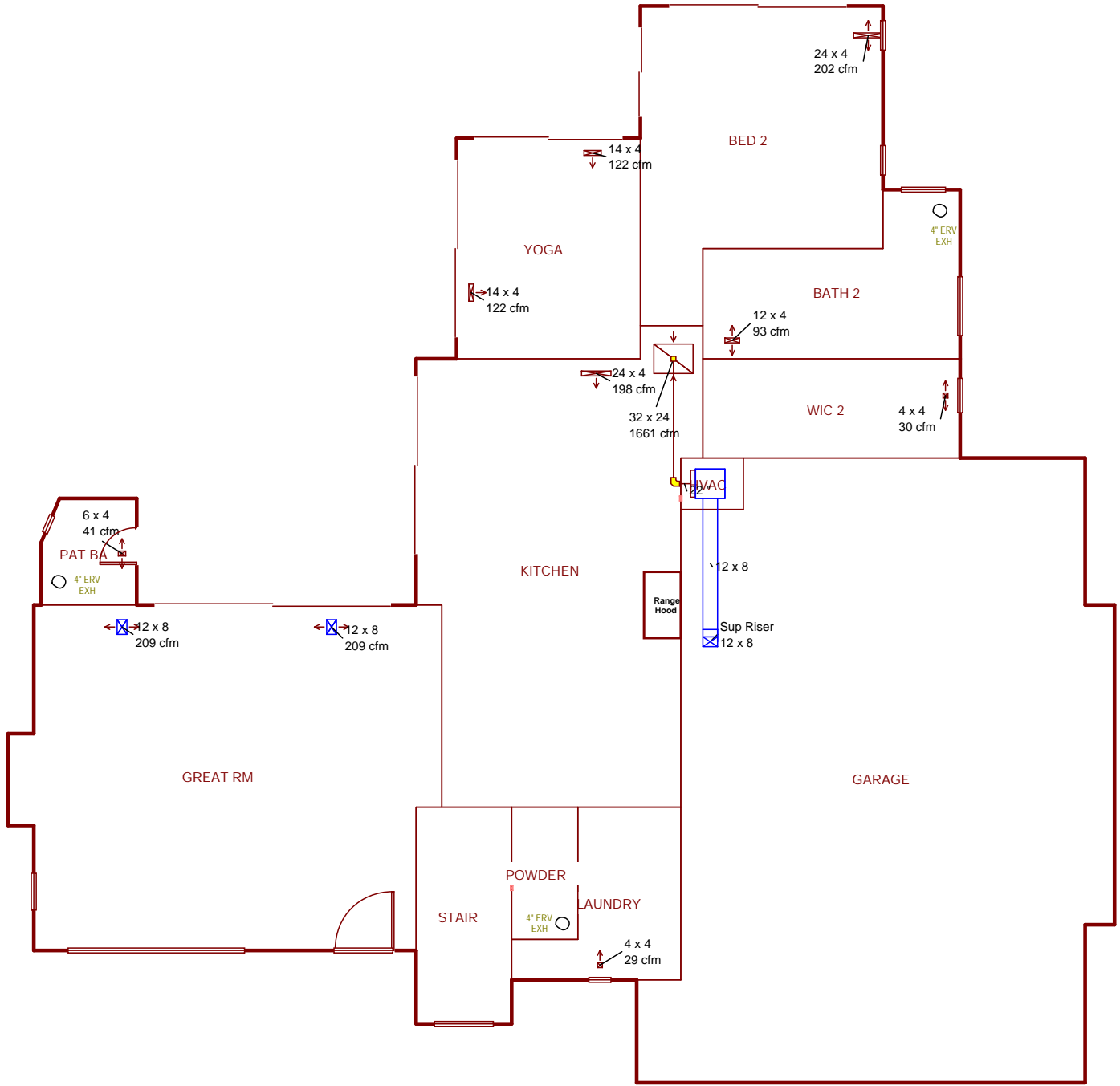
1 Room name		TOP ATTIC-COND												
2 Exposed wall		147.0 ft												
3 Room height		3.0 ft heat/cool												
4 Room dimensions		1.0 x 1227.8 ft												
5 Room area		1227.8 ft²												
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area or perimeter		Load	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	Frm wall, stucco ext	0.038	n	1.54	0.51	0	0	0	0				
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0				
11	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0				
	W	Frm wall, stucco ext	0.033	n	1.32	0.43	94	94	124	41				
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0				
	G	U-.28 .31 SHGC	0.280	n	11.26	10.82	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	n	11.66	11.95	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	n	14.87	11.22	0	0	0	0				
	W	Frm wall, stucco ext	0.038	e	1.54	0.51	0	0	0	0				
	G	U-.28 .31 SHGC	0.280	e	11.26	31.85	0	0	0	0				
	G	U-.28 .31 SHGC	0.280	e	11.26	10.82	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0				
	W	Frm wall, stucco ext	0.033	e	1.32	0.43	127	127	167	55				
	G	U-.28 .31 SHGC	0.280	e	11.26	29.61	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	33.35	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	34.38	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	e	11.66	37.06	0	0	0	0				
	W	Frm wall, stucco ext	0.038	s	1.54	0.51	0	0	0	0				
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0				
	G	U-.34 .21 SHGC	0.340	s	13.67	10.57	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	s	14.87	11.22	0	0	0	0				
	D	Door, wd sc type	0.370	s	14.87	7.83	0	0	0	0				
	W	Frm wall, stucco ext	0.033	s	1.32	0.43	94	94	124	41				
	G	U-.28 .31 SHGC	0.280	s	11.26	14.90	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	s	11.66	16.83	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	s	11.66	11.95	0	0	0	0				
	W	Frm wall, stucco ext	0.038	w	1.54	0.51	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	w	11.66	36.34	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	w	14.87	24.44	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	w	14.87	11.22	0	0	0	0				
	G	U-.37 .21 SHGC	0.370	w	14.87	23.95	0	0	0	0				
	W	Frm wall, stucco ext	0.033	w	1.32	0.43	127	127	167	55				
	G	U-.28 .31 SHGC	0.280	w	11.26	31.85	0	0	0	0				
	G	U-.29 .37 SHGC	0.290	w	11.66	37.06	0	0	0	0				
	W	Frm wall, stucco ext	0.038	nw	1.54	0.51	0	0	0	0				
	G	U-.28 .31 SHGC	0.280	nw	11.26	22.96	0	0	0	0				
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0				
	C	18B-38zl	0.029	-	1.17	0.65	1228	1228	1431	796				
	F	22D-10tpl	0.208	-	8.36	0.00	0	0	0	0				
6	c) AED excursion									-145				
	Envelope loss/gain								2013	841				
12	a) Infiltration								192	65				
	b) Room ventilation								0	0				
13	Internal gains:		Occupants @	230			0			0				
			Appliances/other							0				
	Subtotal (lines 6 to 13)								2204	906				
	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
14	Subtotal								2204	906				
15	Duct loads								-0%	0%				
	Total room load								2204	906				
	Air required (cfm)								115	49				

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





FL1



75'-6"

Job #: FOWLER HOME
Performed for:
KELLY FOWLER
105 BRIELLE LN
SEDONA, AZ 86351

BUILDING PERFORMANCE WORKSHO

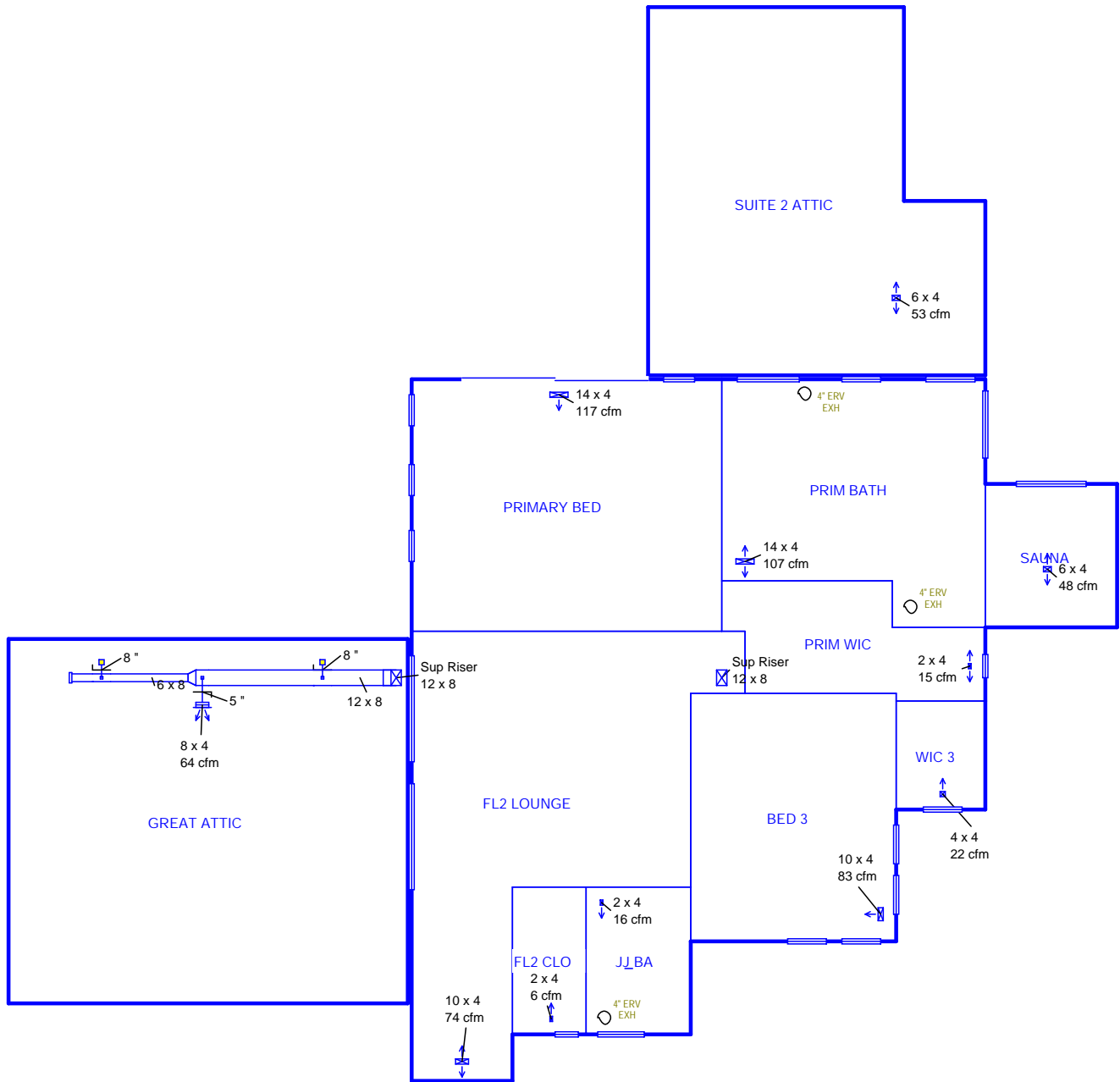
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FL2



Job #: FOWLER HOME
Performed for:
KELLY FOWLER
105 BRIELLE LN
SEDONA, AZ 86351

BUILDING PERFORMANCE WORKSHO

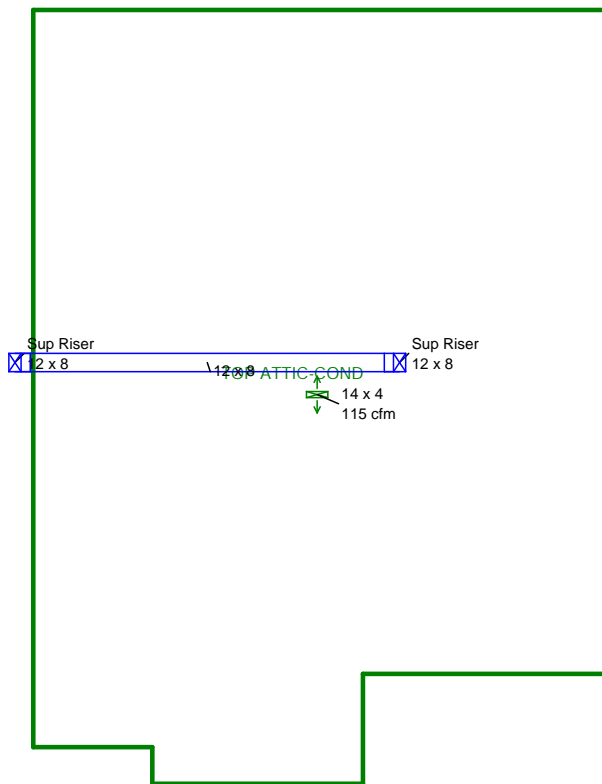
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ATTIC-COND



Job #: FOWLER HOME
Performed for:
KELLY FOWLER
105 BRIELLE LN
SEDONA, AZ 86351

BUILDING PERFORMANCE WORKSHOP

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