Right-Suite® Universal 2023 Short Form
Sample
WebREPS, LLC

Job: Sample Project
Date: Ocotober 25th, 2021
By: Craig C Brooks
Plan: Sample Project

1880 82nd Avenue Suite # 203, Vero Beach, FL 32966 Phone: 800-810-3280 Fax: 888-971-2999 Email: manualj@webrepshvac.com License: CAC054709

Project Information

For: Sample Project
1234 82nd Avenue Suite # 203, Vero Beach, FL 32966
Phone: 772-473-7350

		Htg	Clg			Htg	Clg
Outside db	(°F)	43	91	Inside db	(°F)	70	75
Outside RH	(%)	-	57	Inside RH	(%)	-	50
Outside wb	(°F)	-	78	Inside wb	(°F)	-	63
Daily range	(°F)	-	15	Design TD	(°F)	27	16
Moisture diff.	(gr/lb)	-	59				

Heating Equipment

Make	n/a	
Model	n/a	
Type	n/a	
Efficiency	n/a	
Heating Input	0	MBtuh
Heating Output	0	MBtuh
Humidifier	0	gpd
Leaving Air Temp	0	°F
Actual Heating Fan	0	cfm

Cooling Equipment

Make	n/a	
Model	n/a	
Type	n/a	
COP / EER / SEER	0	
Sensible Cooling	0	MBtuh
Latent Cooling	0	MBtuh
Total Cooling	0	MBtuh
Leaving Air Temp	0	°F
Actual Cooling Fan	0	cfm

Equipment Location	Sample	
System Type	n/a	
Fan Motor Heat Type	n/a	
Fan & Motor Combined Efficiency	0	%
Static Pressure Across Fan	0	in H2O

NAME	Area ft²	Heat Loss	Sensible Gain	Latent Gain	Htg cfm	Clg cfm	Time
SYSTEM 2	[illegible]	21361	32144	13356	1750	1750	Aug 1600 LDT
SYSTEM 1	219	20880	39858	13324	1750	1750	Aug 1600 LDT
Sample	4259	42241	72001	26680	3500	3500	Aug 1600 LDT

Right-Suite® Universal 2023 Short Form
SYSTEM 1
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		Htg	Clg			Htg	Clg
Outside db	(°F)	43	91	Inside db	(°F)	70	75
Outside RH	(%)	-	57	Inside RH	(%)	-	50
Outside wb	(°F)	-	78	Inside wb	(°F)	-	63
Daily range	(°F)	-	15	Design TD	(°F)	27	16
Moisture diff.	(gr/lb)	-	59				

Heating Equipment

Make	Goodman Mfg.	
Model	GSZ140601K	
Type	Split ASHP	
Efficiency	8.5 HSPF	
Heating Input		
Heating Output	59.0	MBtuh @ 47°F
Humidifier	7.9	gpd
Leaving Air Temp	100.7	°F
Actual Heating Fan	1750	cfm

Cooling Equipment

Make	Goodman Mfg.	
Model	GSZ140601K	
Type	Split ASHP	
COP / EER / SEER	14.0	
Sensible Cooling	39.5	MBtuh
Latent Cooling	16.9	MBtuh
Total Cooling	56.5	MBtuh
Leaving Air Temp	55.0	°F
Actual Cooling Fan	1750	cfm

Equipment Location	SYSTEM 1	
System Type	PEAKCV	
Fan Motor Heat Type	PACKAGE	
Fan & Motor Combined Efficiency	0	%
Static Pressure Across Fan	0	in H2O

NAME	Area ft²	Heat Loss	Sensible Gain	Latent Gain	Htg cfm	Clg cfm	Time
BREAK	148	2209	2595	870	248	115	Aug 1600 LDT
IT	2	0	0	0	0	0	Aug 1600 LDT
RR	83	482	1004	131	75	49	Aug 1600 LDT
FILE STORAGE	169	1658	3002	1106	136	131	Aug 1600 LDT
OFFICE1	169	902	2712	1087	19	116	Aug 1600 LDT
OFFICE2	169	905	2775	1096	20	119	Aug 1600 LDT
RECEPTION/WAITING	460	4311	8725	2989	340	381	Aug 1600 LDT
OFFICE3	176	1994	3574	1161	183	157	Aug 1600 LDT
OFFICE4	159	2493	3337	1023	273	147	Aug 1600 LDT
CLA	14	0	0	0	0	0	Aug 1600 LDT
CLB	12	0	0	0	0	0	Aug 1600 LDT
AHU1	16	0	0	0	0	0	Aug 1600 LDT
RR2	51	363	843	102	56	41	Aug 1600 LDT
SHOWROOM A	582	5562	11291	3758	400	494	Aug 1600 LDT

SYSTEM 1	2191	20880	39858	13324	1750	1750	Aug 1600 LDT

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		Htg	Clg			Htg	Clg
Outside db	(°F)	43	91	Inside db	(°F)	70	75
Outside RH	(%)	-	57	Inside RH	(%)	-	50
Outside wb	(°F)	-	78	Inside wb	(°F)	-	63
Daily range	(°F)	-	15	Design TD	(°F)	27	16
Moisture diff.	(gr/lb)	-	59				

Heating Equipment

Make	Goodman Mfg.	
Model	GSZ140601K	
Type	Split ASHP	
Efficiency	8.5 HSPF	
Heating Input		
Heating Output	59.0	MBtuh @ 47°F
Humidifier	8.7	gpd
Leaving Air Temp	100.7	°F
Actual Heating Fan	1750	cfm

Cooling Equipment

Make	Goodman Mfg.	
Model	GSZ140601K	
Type	Split ASHP	
COP / EER / SEER	14.0	
Sensible Cooling	39.5	MBtuh
Latent Cooling	16.9	MBtuh
Total Cooling	56.5	MBtuh
Leaving Air Temp	55.0	°F
Actual Cooling Fan	1750	cfm

Equipment Location	SYSTEM 2	
System Type	PEAKCV	
Fan Motor Heat Type	PACKAGE	
Fan & Motor Combined Efficiency	0	%
Static Pressure Across Fan	0	in H2O

NAME	Area ft²	Heat Loss	Sensible Gain	Latent Gain	Htg cfm	Clg cfm	Time
SHOW ROOM B	[illegible]	12553	19434	8612	798	1027	Aug 1600 LDT
OFFICE7	16	1546	2972	1064	138	169	Aug 1600 LDT
OFFICE8	[illegible]22	2822	3110	1428	316	173	Aug 1600 LDT
HARDWARE	118	1546	2259	769	176	131	Aug 1600 LDT
OFFICE6	230	2895	4368	1483	323	250	Aug 1600 LDT
AHU2	12	0	0	0	0	0	Aug 1600 LDT
SYSTEM 2	2068	21361	32144	13356	1750	1750	Aug 1600 LDT

WebREPS
1-800-810-3280

Right-Suite® Universal 2023 Load Summary

Sample

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Project Information

For: Sample Project
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Phone: 772-473-7350

Zone: Sample

COOLING LOAD

1.	**DESIGN CONDITIONS**	at Aug 1600 LDT		Peak load at Aug 1600 LDT			
	Inside:	75 °F	Outside: 91 °F	TD:	16 °F		
	OutRH:	57 %	MoistDiff: 59.4 gr/lb	Mult:	1.0	lns.wb	63 °F
					Sensible		Latent
2.	**SOLAR RADIATION THROUGH GLASS**				1011		-
3.	**TRANSMISSION GAINS**		Sensible		10629		-
	Walls:		3574		-		-
	Glass:		959		-		-
	Doors:		103		-		-
	Partitions:		0		-		-
	Floors:		448		-		-
	Ceilings:		5546		-		-
4.	**INTERNAL HEAT GAIN**		Sensible	Latent	51945		6756
	Occupants:		8444	6756	-		-
	Lights:		36485	-	-		-
	Motors:		0	-	-		-
	Appliances:		7016	0	-		-
5.	**INFILTRATION:**	Outside air cfm:		0	0		0
6.	**SUBTOTAL:**	Space load	Sensible	Latent	63586		6756
	Envelope		63586	6756	-		-
	Less external		0	-	-		-
	Redistribution		0	0	-		-
7.	**SUPPLY DUCT**				0		-
8.	**SUBTOTAL:**	Space load + supply duct			63586		-
	Actual cfm:	3500	at supply TD:	20	-		-
9.	**VENTILATION:**	Make-up air cfm:		494	8416		19924
10.	**RETURN AIR LOAD:**	Lighting + plenum (net)			0		-
11.	**RETURN DUCT**				0		-
12.	**TOTAL LOADS ON EQUIPMENT**				72001		26680

HEATING LOAD

13.	**DESIGN CONDITIONS**			Mult:	1.0
	Inside:	70 °F	Outside: 43 °F	TD:	27 °F
14.	**TRANSMISSION LOSSES**				20540
	Walls:		6101		-
	Glass:		1749		-
	Doors:		187		-
	Partitions:		0		-
	Floors:		9231		-
	Ceilings:		3272		-
15.	**INFILTRATION:**	Outside air cfm:		25	755
16.	**SUBTOTAL:**	Space load			21295
	Envelope		21295		-
	Less external		0		-
	Less transfer		0		-
	Redistribution		0		-
17.	**SUPPLY DUCT:**				0
18.	**VENTILATION:**	Make-up air cfm:		494	14659
19.	**HUMIDIFICATION**				6287
	Piping				0
20.	**RETURN DUCT**				0
21.	**TOTAL HEATING LOAD ON EQUIPMENT**				42241

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Zone: SYSTEM 1

COOLING LOAD

1.	**DESIGN CONDITIONS**	at Aug 1600 LDT		Peak load at Aug 1600 LDT		
	Inside:	75 °F	Outside: 91 °F	TD:	16 °F	
	OutRH:	57 %	MoistDiff: 59.4 gr/lb	Mult:	1.0	lns.wb 63 °F
					Sensible	Latent
2.	**SOLAR RADIATION THROUGH GLASS**				853	-
3.	**TRANSMISSION GAINS**		Sensible		6494	-
	Walls:		1889		-	-
	Glass:		762		-	-
	Doors:		103		-	-
	Partitions:		0		-	-
	Floors:		448		-	-
	Ceilings:		3292		-	-
4.	**INTERNAL HEAT GAIN**		Sensible	Latent	26734	4382
	Occupants:		5477	4382	-	-
	Lights:		18025	-	-	-
	Motors:		0	-	-	-
	Appliances:		5232	0	-	-
5.	**INFILTRATION:**	Outside air cfm:		0	0	0
6.	**SUBTOTAL:**	Space load	Sensible	Latent	36081	4382
	Envelope		36081	4382	-	-
	Less external		0	-	-	-
	Redistribution		0	0	-	-
7.	**SUPPLY DUCT**				0	-
8.	**SUBTOTAL:**	Space load + supply duct			36081	-
	Actual cfm:	1750	at supply TD:	20	-	-
9.	**VENTILATION:**	Make-up air cfm:		222	3777	8942
10.	**RETURN AIR LOAD:**	Lighting + plenum (net)			0	-
11.	**RETURN DUCT**				0	-
12.	**TOTAL LOADS ON EQUIPMENT**				39858	13324

HEATING LOAD

13.	**DESIGN CONDITIONS**			Mult:	1.0
	Inside:	70 °F	Outside: 43 °F	TD:	27 °F
14.	**TRANSMISSION LOSSES**				10554
	Walls:		2798		-
	Glass:		1391		-
	Doors:		187		-
	Partitions:		0		-
	Floors:		4444		-
	Ceilings:		1734		-
15.	**INFILTRATION:**	Outside air cfm:		25	755
16.	**SUBTOTAL:**	Space load			11309
	Envelope		11309		-
	Less external		0		-
	Less transfer		0		-
	Redistribution		0		-
17.	**SUPPLY DUCT:**				0
18.	**VENTILATION:**	Make-up air cfm:		222	6579
19.	**HUMIDIFICATION**				2991
	Piping				0
20.	**RETURN DUCT**				0
21.	**TOTAL HEATING LOAD ON EQUIPMENT**				20880

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Zone: SYSTEM 2

COOLING LOAD

1.	**DESIGN CONDITIONS**	at Aug 1600 LDT		Peak load at Aug 1600 LDT		
	Inside: 75 °F	Outside: 91 °F		TD: 16 °F		
	OutRH: 57 %	MoistDiff: 59.4 gr/lb		Mult: 1.0	lns.wb	63 °F
					Sensible	Latent
2.	**SOLAR RADIATION THROUGH GLASS**				158	-
3.	**TRANSMISSION GAINS**	Sensible			4136	-
	Walls:	1685			-	-
	Glass:	196			-	-
	Doors:	0			-	-
	Partitions:	0			-	-
	Floors:	0			-	-
	Ceilings:	2254			-	-
4.	**INTERNAL HEAT GAIN**	Sensible	Latent		20212	2374
	Occupants:	2967	2374		-	-
	Lights:	18461	-		-	-
	Motors:	0	-		-	-
	Appliances:	1783	0		-	-
5.	**INFILTRATION:**	Outside air cfm:	0		0	0
6.	**SUBTOTAL:**	Space load Sensible	Latent		27505	2374
	Envelope	27505	2374		-	-
	Less external	0	-		-	-
	Redistribution	0	0		-	-
7.	**SUPPLY DUCT**				0	-
8.	**SUBTOTAL:**	Space load + supply duct			27505	-
	Actual cfm:	1750 at supply TD:	20		-	-
9.	**VENTILATION:**	Make-up air cfm:	272		4639	10982
10.	**RETURN AIR LOAD:**	Lighting + plenum (net)			0	-
11.	**RETURN DUCT**				0	-
12.	**TOTAL LOADS ON EQUIPMENT**				32144	13356

HEATING LOAD

13.	**DESIGN CONDITIONS**			Mult: 1.0	
	Inside: 70 °F	Outside: 43 °F		TD: 27 °F	
14.	**TRANSMISSION LOSSES**				9986
	Walls:	3303			-
	Glass:	358			-
	Doors:	0			-
	Partitions:	0			-
	Floors:	4787			-
	Ceilings:	1538			-
15.	**INFILTRATION:**	Outside air cfm:		0	0
16.	**SUBTOTAL:**	Space load			9986
	Envelope	9986			-
	Less external	0			-
	Less transfer	0			-
	Redistribution	0			-
17.	**SUPPLY DUCT:**				0
18.	**VENTILATION:**	Make-up air cfm:		272	8080
19.	**HUMIDIFICATION**				3295
	Piping				0
20.	**RETURN DUCT**				0
21.	**TOTAL HEATING LOAD ON EQUIPMENT**				21361