

Project Information

For: DR TERRELL OFFICE
Suwannee County, FL

		Htg	Clg			Htg	Clg
Outside db	(°F)	33	92	Inside db	(°F)	70	75
Outside RH	(%)	-	48	Inside RH	(%)	-	50
Outside wb	(°F)	-	76	Inside wb	(°F)	-	63
Daily range	(°F)	-	18	Design TD	(°F)	37	17
Moisture diff.	(gr/lb)	-	44				

Heating Equipment

Make	Trane		
Model	4TWR6060H1		
Type	Split ASHP		
Efficiency	9 HSPF		
Heating Input			
Heating Output	54.0	MBtuh @ 47°F	
Humidifier	14.3	gpd	
Leaving Air Temp	96.7	°F	
Actual Heating Fan	1850	cfm	

Cooling Equipment

Make	Trane		
Model	4TWR6060H1		
Type	Split ASHP		
COP / EER / SEER	15.0		
Sensible Cooling	44.4	MBtuh	
Latent Cooling	11.1	MBtuh	
Total Cooling	55.5	MBtuh	
Leaving Air Temp	55.0	°F	
Actual Cooling Fan	1850	cfm	

Equipment Location	Unit 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
EXAM RM 7	179	3761	4378	831	325	190	Jul 1700 LDT
EXAM RM 8	135	2204	3041	629	157	143	Jul 1700 LDT
EXAM RM 6	145	2999	4067	713	257	179	Jul 1700 LDT
STAIRS	91	730	215	338	0	0	Jul 1700 LDT
Nurse station1	385	4099	9721	1616	199	422	Jul 1700 LDT
Break side 1	100	1043	1828	482	34	75	Jul 1700 LDT
CO 1	43	342	101	158	0	0	Jul 1700 LDT
Receptionist 1	88	928	4027	425	32	181	Jul 1700 LDT
TRIAGE 1	136	1546	2685	650	63	112	Jul 1700 LDT
BATH 3	57	747	1402	277	41	60	Jul 1700 LDT
HALL 1	43	345	102	160	0	0	Jul 1700 LDT
EXAM RM 9	110	1878	2529	517	139	126	Jul 1700 LDT
EXAM RM 10	116	2052	2826	544	157	135	Jul 1700 LDT
OFFICE 1	230	5047	5291	1071	447	227	Jul 1700 LDT

Unit 1	1856	27719	42214	8411	1850	1850	Jul 1700 LDT
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		Htg	Clg			Htg	Clg
Outside db	(°F)	33	92	Inside db	(°F)	70	75
Outside RH	(%)	-	48	Inside RH	(%)	-	50
Outside wb	(°F)	-	76	Inside wb	(°F)	-	63
Daily range	(°F)	-	18	Design TD	(°F)	37	17
Moisture diff.	(gr/lb)	-	44				

Heating Equipment

Make	Trane		
Model	4TWR6060H1		
Type	Split ASHP		
Efficiency	9 HSPF		
Heating Input			
Heating Output	54.0	MBtuh @ 47°F	
Humidifier	14.4	gpd	
Leaving Air Temp	96.7	°F	
Actual Heating Fan	1850	cfm	

Cooling Equipment

Make	Trane		
Model	4TWR6060H1		
Type	Split ASHP		
COP / EER / SEER	15.0		
Sensible Cooling	44.4	MBtuh	
Latent Cooling	11.1	MBtuh	
Total Cooling	55.5	MBtuh	
Leaving Air Temp	55.0	°F	
Actual Cooling Fan	1850	cfm	

Equipment Location	Unit 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
BATH 1	65	1095	1262	303	83	50	Jul 1700 LDT
OFFICE 2	171	4044	4708	794	384	198	Jul 1700 LDT
EXAM RM 1	110	1959	3202	518	155	136	Jul 1700 LDT
TRIAGE 2	136	1547	2690	650	66	106	Jul 1700 LDT
BATH 2	57	747	1402	277	42	57	Jul 1700 LDT
EXAM RM 2	110	1878	3012	517	143	129	Jul 1700 LDT
HALL 2	43	345	102	160	0	0	Jul 1700 LDT
EXAM RM 3	135	2204	3524	629	161	148	Jul 1700 LDT
EXAM RM 4	179	3761	4885	831	335	201	Jul 1700 LDT
EXAM RM 5	139	2427	3351	651	189	137	Jul 1700 LDT
MECH	30	240	71	111	0	0	Jul 1700 LDT
BATH 4	45	941	1125	217	83	46	Jul 1700 LDT
Nurse station 2	400	3722	9405	1654	132	384	Jul 1700 LDT
Break Side 2	110	1155	2032	531	40	79	Jul 1700 LDT
CO2	47	378	111	175	0	0	Jul 1700 LDT
Receptionist 2	97	1037	4229	469	38	179	Jul 1700 LDT

Unit 2	1873	27478	45111	8488	1850	1850	Jul 1700 LDT
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For: DR TERRELL OFFICE
Suwannee County, FL

		Htg	Clg			Htg	Clg
Outside db	(°F)	33	92	Inside db	(°F)	70	75
Outside RH	(%)	-	48	Inside RH	(%)	-	50
Outside wb	(°F)	-	76	Inside wb	(°F)	-	63
Daily range	(°F)	-	18	Design TD	(°F)	37	17
Moisture diff.	(gr/lb)	-	44				

Heating Equipment

Make	Trane		
Model	4TWR6048H1		
Type	Split ASHP		
Efficiency	9 HSPF		
Heating Input			
Heating Output	48.0	MBtuh @ 47°F	
Humidifier	18.4	gpd	
Leaving Air Temp	98.3	°F	
Actual Heating Fan	1550	cfm	

Cooling Equipment

Make	Trane		
Model	4TWR6048H1		
Type	Split ASHP		
COP / EER / SEER	16.0		
Sensible Cooling	37.0	MBtuh	
Latent Cooling	11.0	MBtuh	
Total Cooling	48.0	MBtuh	
Leaving Air Temp	55.0	°F	
Actual Cooling Fan	1550	cfm	

Equipment Location	Unit 3
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
Lobby	786	17897	16452	3444	882	735	Jul 1700 LDT
APARTMENT	316	5643	4884	1863	197	199	Jul 1700 LDT
BATH 5	52	681	633	243	21	26	Jul 1700 LDT
VEST	112	1279	1175	522	31	46	Jul 1700 LDT
ENT AREA	264	3283	3014	1229	93	121	Jul 1700 LDT
OFFICE	297	5542	5972	1863	190	257	Jul 1700 LDT
WIC	24	245	229	109	5	9	Jul 1700 LDT
STRG	24	349	292	112	12	12	Jul 1700 LDT
BATH 6	50	645	574	233	19	23	Jul 1700 LDT
MECH RM	231	3119	2996	1073	101	124	Jul 1700 LDT
Unit 3	2156	38683	36222	10691	1550	1550	Jul 1700 LDT

Project Information

For: DR TERRELL OFFICE
Suwannee County, FL

Zone: Unit 1

COOLING LOAD

1. DESIGN CONDITIONS		at Jul 1700 LDT	Peak load at Jul 1600 LDT		
Inside:	75 °F	Outside:	92 °F	TD:	17 °F
OutRH:	48 %	MoistDiff:	43.8 gr/lb	Mult:	1.0
				Ins.wb	63 °F
				Sensible	Latent
2. SOLAR RADIATION THROUGH GLASS				1140	-
3. TRANSMISSION GAINS		Sensible		5291	-
Walls:		1999		-	-
Glass:		638		-	-
Doors:		101		-	-
Partitions:		0		-	-
Floors:		0		-	-
Ceilings:		2553		-	-
4. INTERNAL HEAT GAIN		Sensible	Latent	31530	1716
Occupants:		2077	1716	-	-
Lights:		22218	-	-	-
Motors:		0	-	-	-
Appliances:		7234	0	-	-
5. INFILTRATION:		Outside air cfm:	0	0	0
6. SUBTOTAL:	Space load	Sensible	Latent	37961	1716
Envelope		37961	1716	-	-
Less external		0	-	-	-
Redistribution		0	0	-	-
7. SUPPLY DUCT				0	-
8. SUBTOTAL:	Space load + supply duct			37961	-
Actual cfm:	1850	at supply TD:	20	-	-
9. VENTILATION:		Make-up air cfm:	226	4253	6695
10. RETURN AIR LOAD:		Lighting + plenum (net)		0	-
11. RETURN DUCT				0	-
12. TOTAL LOADS ON EQUIPMENT				42214	8411

HEATING LOAD

13. DESIGN CONDITIONS			Mult:	1.0	
Inside:	70 °F	Outside:	33 °F	TD:	37 °F
14. TRANSMISSION LOSSES					9636
Walls:		2620		-	-
Glass:		1546		-	-
Doors:		244		-	-
Partitions:		0		-	-
Floors:		4040		-	-
Ceilings:		1186		-	-
15. INFILTRATION:		Outside air cfm:	90	3640	
16. SUBTOTAL:	Space load			13275	
Envelope		13275		-	-
Less external		0		-	-
Less transfer		0		-	-
Redistribution		0		-	-
17. SUPPLY DUCT:				0	
18. VENTILATION:		Make-up air cfm:	226	9100	
19. HUMIDIFICATION				5344	
Piping				0	
20. RETURN DUCT				0	
21. TOTAL HEATING LOAD ON EQUIPMENT				27719	

Project Information

For: DR TERRELL OFFICE
Suwannee County, FL

Zone: Unit 2

COOLING LOAD

1. DESIGN CONDITIONS		at Jul 1700 LDT	Peak load at Jul 1800 LDT		
Inside:	75 °F	Outside:	92 °F	TD:	17 °F
OutRH:	48 %	MoistDiff:	43.8 gr/lb	Mult:	1.0
				Ins.wb	63 °F
				Sensible	Latent
2. SOLAR RADIATION THROUGH GLASS				2891	-
3. TRANSMISSION GAINS		Sensible		6176	-
Walls:		2698		-	-
Glass:		660		-	-
Doors:		0		-	-
Partitions:		0		-	-
Floors:		0		-	-
Ceilings:		2819		-	-
4. INTERNAL HEAT GAIN		Sensible	Latent	31752	1732
Occupants:		2096	1732	-	-
Lights:		22421	-	-	-
Motors:		0	-	-	-
Appliances:		7234	0	-	-
5. INFILTRATION:		Outside air cfm:	0	0	0
6. SUBTOTAL:		Space load	Sensible	Latent	
Envelope		40819	1732	40819	1732
Less external		0	-	-	-
Redistribution		0	0	-	-
7. SUPPLY DUCT				0	-
8. SUBTOTAL:		Space load + supply duct		40819	-
Actual cfm:	1850	at supply TD:	20	-	-
9. VENTILATION:		Make-up air cfm:	228	4292	6756
10. RETURN AIR LOAD:		Lighting + plenum (net)		0	-
11. RETURN DUCT				0	-
12. TOTAL LOADS ON EQUIPMENT				45111	8488

HEATING LOAD

13. DESIGN CONDITIONS			Mult:	1.0	
Inside:	70 °F	Outside:	33 °F	TD:	37 °F
14. TRANSMISSION LOSSES					9229
Walls:		2501		-	-
Glass:		1597		-	-
Doors:		0		-	-
Partitions:		0		-	-
Floors:		3821		-	-
Ceilings:		1310		-	-
15. INFILTRATION:		Outside air cfm:	91	3673	
16. SUBTOTAL:		Space load		12903	
Envelope		12903		-	-
Less external		0		-	-
Less transfer		0		-	-
Redistribution		0		-	-
17. SUPPLY DUCT:				0	
18. VENTILATION:		Make-up air cfm:	228	9183	
19. HUMIDIFICATION				5393	
Piping				0	
20. RETURN DUCT				0	
21. TOTAL HEATING LOAD ON EQUIPMENT				27478	

Project Information

For: DR TERRELL OFFICE
Suwannee County, FL

Zone: Unit 3

COOLING LOAD

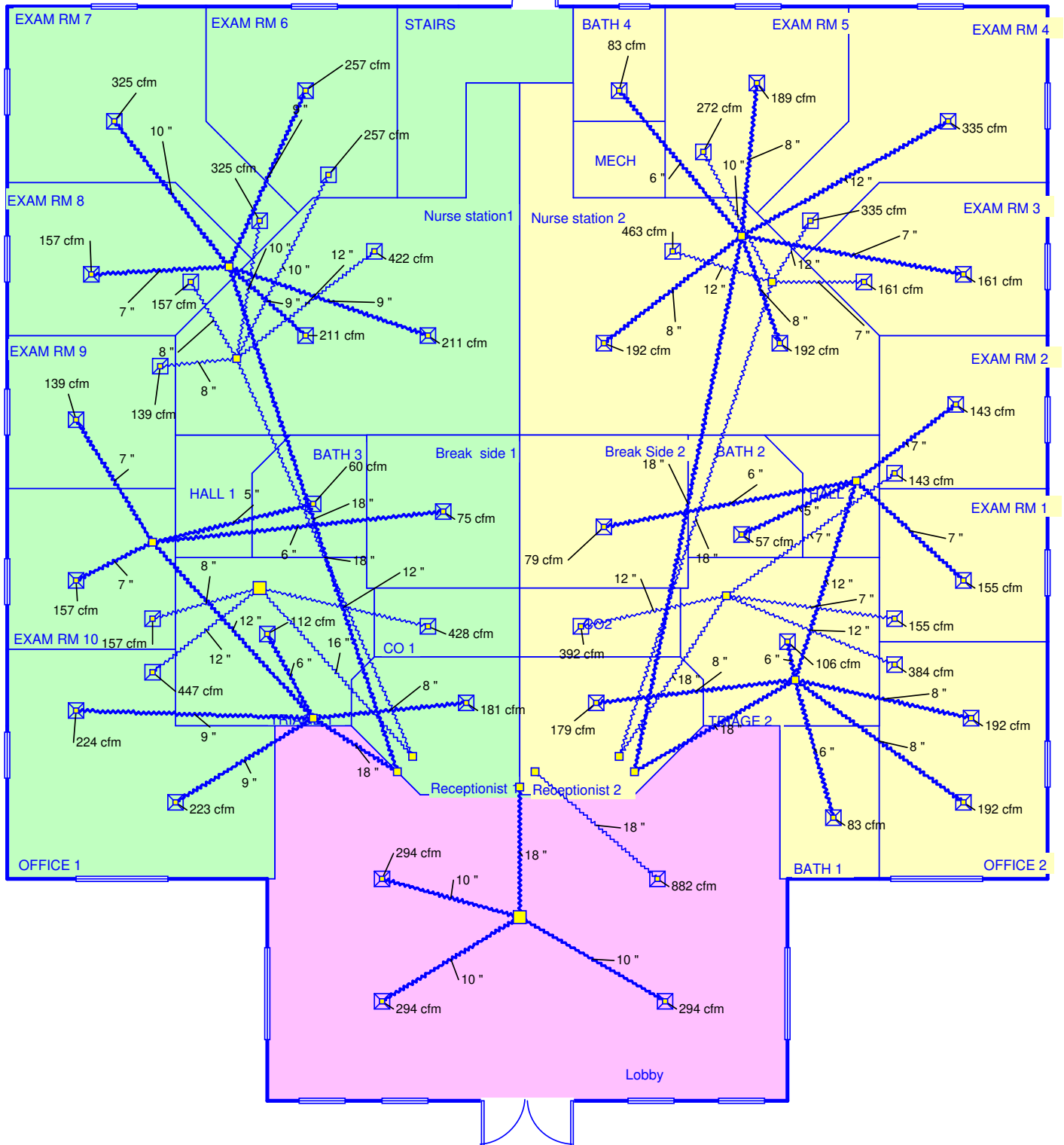
1. DESIGN CONDITIONS		at Jul 1700 LDT	Peak load at Jul 1700 LDT		
Inside:	75 °F	Outside:	92 °F	TD:	17 °F
OutRH:	48 %	MoistDiff:	43.8 gr/lb	Mult:	1.0
				Ins.wb	63 °F
				Sensible	Latent
2. SOLAR RADIATION THROUGH GLASS				4028	-
3. TRANSMISSION GAINS		Sensible		12470	-
Walls:		6771		-	-
Glass:		1021		-	-
Doors:		211		-	-
Partitions:		0		-	-
Floors:		0		-	-
Ceilings:		4467		-	-
4. INTERNAL HEAT GAIN		Sensible		Latent	
Occupants:		2640		2181	2181
Lights:		11677		-	-
Motors:		0		-	-
Appliances:		0		-	-
5. INFILTRATION:		Outside air cfm:		0	0
6. SUBTOTAL:	Space load	Sensible		Latent	
Envelope		30816		2181	2181
Less external		0		-	-
Redistribution		0		0	-
7. SUPPLY DUCT				0	-
8. SUBTOTAL:	Space load + supply duct			30816	-
Actual cfm:		1550	at supply TD:	20	-
9. VENTILATION:		Make-up air cfm:		287	5406
10. RETURN AIR LOAD:		Lighting + plenum (net)		0	8510
11. RETURN DUCT				0	-
12. TOTAL LOADS ON EQUIPMENT				36222	10691

HEATING LOAD

13. DESIGN CONDITIONS			Mult:	1.0	
Inside:	70 °F	Outside:	33 °F	TD:	37 °F
14. TRANSMISSION LOSSES					15474
Walls:		8125		-	-
Glass:		2473		-	-
Doors:		510		-	-
Partitions:		0		-	-
Floors:		2290		-	-
Ceilings:		2076		-	-
15. INFILTRATION:		Outside air cfm:		119	4784
16. SUBTOTAL:	Space load				20258
Envelope		20258		-	-
Less external		0		-	-
Less transfer		0		-	-
Redistribution		0		-	-
17. SUPPLY DUCT:					0
18. VENTILATION:		Make-up air cfm:		287	11566
19. HUMIDIFICATION					6859
Piping					0
20. RETURN DUCT					0
21. TOTAL HEATING LOAD ON EQUIPMENT					38683



1st Floor

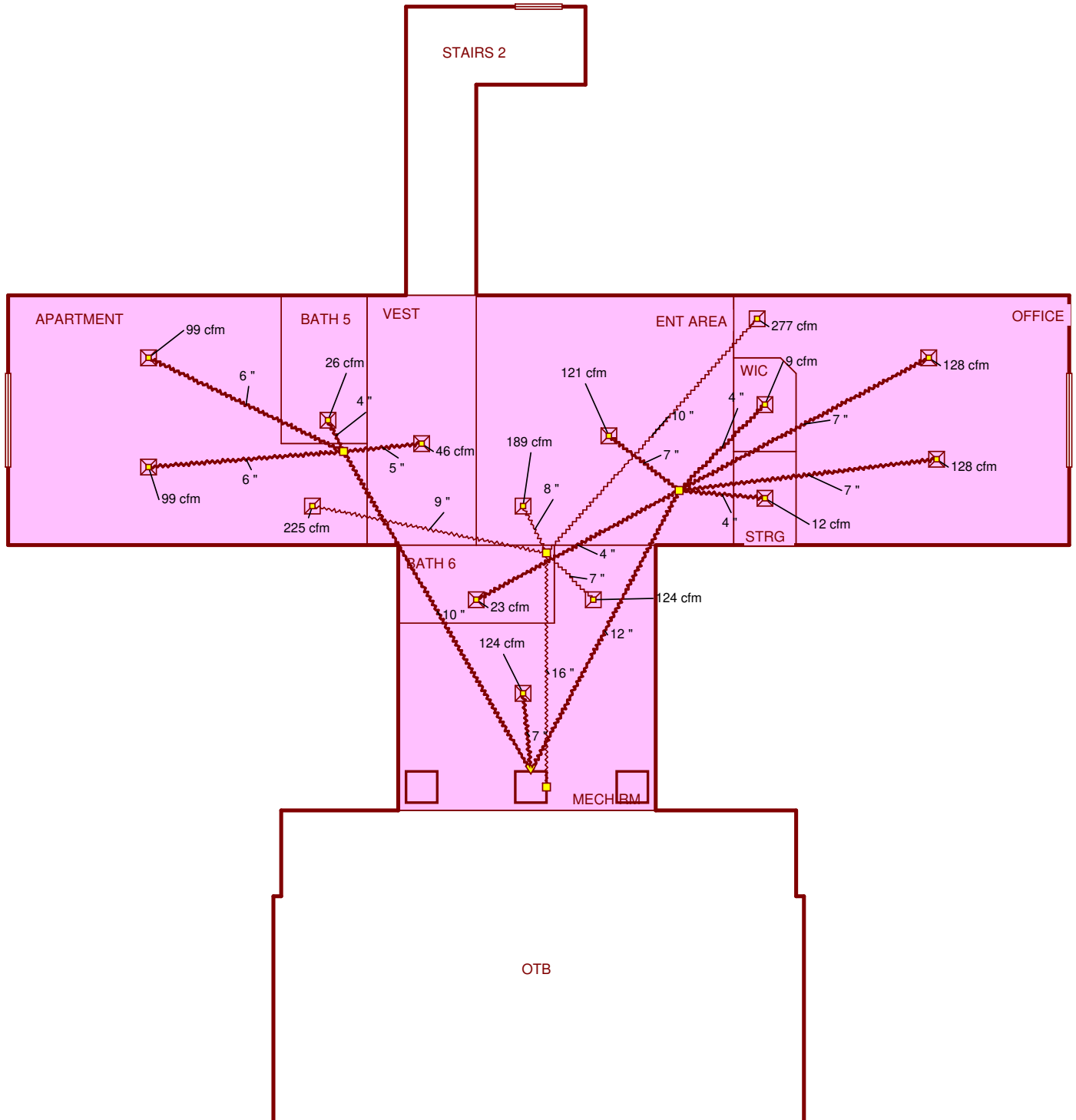


Job #: J-9449 - C-1309
Performed by David Brown for:
DR TERRELL OFFICE
Suwannee County, FL

Scale: 1 : 113
Page 1
Right-Suite@Universal 2022
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2nd Floor



Job #: J-9449 - C-1309
Performed by David Brown for:
DR TERRELL OFFICE
Suwannee County, FL

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Project Information

For: DR TERRELL OFFICE
Suwannee County, FL

	Heating	Cooling
External static pressure	0.53 in H ₂ O	0.53 in H ₂ O
Pressure losses	0 in H ₂ O	0 in H ₂ O
Available static pressure	0.53 in H ₂ O	0.53 in H ₂ O
Supply / return available pressure	0.330 / 0.200 in H ₂ O	0.330 / 0.200 in H ₂ O
Lowest friction rate	0.218 in/100ft	0.218 in/100ft
Actual air flow	1850 cfm	1850 cfm
Total effective length (TEL)	243 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BATH 3	c 1276	41	60	0.231	5.0	0x0	VIFx	32.9	110.0	st8
Break side 1	c 1592	34	75	0.218	6.0	0x0	VIFx	41.2	110.0	st8
EXAM RM 10	h 1128	157	135	0.239	7.0	0x0	VIFx	27.7	110.0	st8
EXAM RM 6	h 1841	257	179	0.240	9.0	0x0	VIFx	47.3	90.0	st4
EXAM RM 7	h 2333	325	190	0.241	10.0	0x0	VIFx	46.9	90.0	st4
EXAM RM 8	h 1124	157	143	0.246	7.0	0x0	VIFx	43.8	90.0	st4
EXAM RM 9	h 998	139	126	0.233	7.0	0x0	VIFx	31.5	110.0	st8
Nurse station1	c 4467	99	211	0.238	9.0	0x0	VIFx	48.5	90.0	st4
Nurse station1-A	c 4467	99	211	0.251	9.0	0x0	VIFx	41.5	90.0	st4
OFFICE 1	h 1604	224	113	0.294	9.0	0x0	VIFx	22.0	90.0	st5
OFFICE 1-A	h 1604	223	113	0.308	9.0	0x0	VIFx	17.1	90.0	st5
Receptionist 1	c 3821	32	181	0.309	8.0	0x0	VIFx	16.6	90.0	st5
TRIAGE 1	c 2364	63	112	0.321	6.0	0x0	VIFx	12.8	90.0	st5

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st4	Peak AVF	937	934	0.238	530	18.0	0 x 0	VinIFlx	st5
st8	Peak AVF	371	397	0.218	505	12.0	0 x 0	VinIFlx	
st5	Peak AVF	913	916	0.218	518	18.0	0 x 0	VinIFlx	

Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb7	0x 0	157	135	72.1	0.278	450	8.0	0x 0		VIFx	rt2
rb4	0x 0	170	428	76.1	0.263	545	12.0	0x 0		VIFx	rt2
rb6	0x 0	447	227	73.8	0.272	569	12.0	0x 0		VIFx	rt2
rb11	0x 0	199	422	89.8	0.223	538	12.0	0x 0		VIFx	rt3
rb8	0x 0	139	126	83.5	0.240	398	8.0	0x 0		VIFx	rt3
rb9	0x 0	157	143	84.3	0.238	449	8.0	0x 0		VIFx	rt3
rb2	0x 0	325	190	87.6	0.229	596	10.0	0x 0		VIFx	rt3
rb10	0x 0	257	179	91.8	0.218	471	10.0	0x 0		VIFx	rt3

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rt2	Peak AVF	774	790	0.263	566	16.0	0 x 0	VinIFlx	
rt3	Peak AVF	1076	1060	0.218	609	18.0	0 x 0	VinIFlx	

Project Information

For: DR TERRELL OFFICE
Suwannee County, FL

	Heating	Cooling
External static pressure	0.53 in H ₂ O	0.53 in H ₂ O
Pressure losses	0 in H ₂ O	0 in H ₂ O
Available static pressure	0.53 in H ₂ O	0.53 in H ₂ O
Supply / return available pressure	0.330 / 0.200 in H ₂ O	0.330 / 0.200 in H ₂ O
Lowest friction rate	0.217 in/100ft	0.217 in/100ft
Actual air flow	1850 cfm	1850 cfm
Total effective length (TEL)	245 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BATH 1	h 575	83	50	0.296	6.0	0x0	VIFx	21.4	90.0	st7
BATH 2	c 1276	42	57	0.229	5.0	0x0	VIFx	34.0	110.0	st9
BATH 4	h 581	83	46	0.239	6.0	0x0	VIFx	48.1	90.0	st6
Break Side 2	c 1773	40	79	0.217	6.0	0x0	VIFx	42.5	110.0	st9
EXAM RM 1	h 1080	155	136	0.227	7.0	0x0	VIFx	35.2	110.0	st9
EXAM RM 2	h 998	143	129	0.230	7.0	0x0	VIFx	33.9	110.0	st9
EXAM RM 3	h 1124	161	148	0.235	7.0	0x0	VIFx	50.4	90.0	st6
EXAM RM 4	h 2333	335	201	0.234	12.0	0x0	VIFx	51.1	90.0	st6
EXAM RM 5	h 1319	189	137	0.243	8.0	0x0	VIFx	45.7	90.0	st6
Nurse station 2	c 4290	66	192	0.248	8.0	0x0	VIFx	43.1	90.0	st6
Nurse station 2-A	c 4290	66	192	0.241	8.0	0x0	VIFx	47.1	90.0	st6
OFFICE 2	h 1340	192	99	0.285	8.0	0x0	VIFx	25.7	90.0	st7
OFFICE 2-A	h 1340	192	99	0.290	8.0	0x0	VIFx	23.9	90.0	st7
Receptionist 2	c 4002	38	179	0.287	8.0	0x0	VIFx	25.2	90.0	st7
TRIAGE 2	c 2369	66	106	0.316	6.0	0x0	VIFx	14.6	90.0	st7

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st6	Peak AVF	900	917	0.234	519	18.0	0 x 0	VinIFlx	st7
st9	Peak AVF	379	401	0.217	511	12.0	0 x 0	VinIFlx	
st7	Peak AVF	950	933	0.217	537	18.0	0 x 0	VinIFlx	

Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	384	198	74.5	0.268	489	12.0	0x 0		VIFx	rt4
rb17	0x0	155	136	73.7	0.271	579	7.0	0x 0		VIFx	rt4
rb16	0x0	143	129	76.2	0.262	535	7.0	0x 0		VIFx	rt4
rb5	0x0	228	392	72.3	0.276	498	12.0	0x 0		VIFx	rt4
rb15	0x0	161	148	88.6	0.225	603	7.0	0x 0		VIFx	rt5
rb14	0x0	335	201	87.3	0.229	426	12.0	0x 0		VIFx	rt5
rb13	0x0	272	184	92.2	0.217	499	10.0	0x 0		VIFx	rt5
rb12	0x0	172	463	89.4	0.223	589	12.0	0x 0		VIFx	rt5

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rt4	Peak AVF	910	854	0.262	515	18.0	0 x 0	VinIFlx	
rt5	Peak AVF	940	996	0.217	564	18.0	0 x 0	VinIFlx	

Project Information

For: DR TERRELL OFFICE
Suwannee County, FL

	Heating	Cooling
External static pressure	0.53 in H ₂ O	0.53 in H ₂ O
Pressure losses	0 in H ₂ O	0 in H ₂ O
Available static pressure	0.53 in H ₂ O	0.53 in H ₂ O
Supply / return available pressure	0.319 / 0.211 in H ₂ O	0.319 / 0.211 in H ₂ O
Lowest friction rate	0.248 in/100ft	0.248 in/100ft
Actual air flow	1550 cfm	1550 cfm
Total effective length (TEL)	214 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
APARTMENT	c 2004	98	99	0.250	6.0	0x0	VIFx	37.6	90.0	st1
APARTMENT-A	c 2004	98	99	0.252	6.0	0x0	VIFx	36.3	90.0	st1
BATH 5	c 522	21	26	0.275	4.0	0x0	VIFx	26.0	90.0	st1
BATH 6	c 462	19	23	0.255	4.0	0x0	VIFx	35.1	90.0	st2
ENT AREA	c 2432	93	121	0.275	7.0	0x0	VIFx	26.1	90.0	st2
Lobby	h 3842	294	245	0.292	10.0	0x0	VIFx	19.0	90.0	st3
Lobby-A	h 3842	294	245	0.291	10.0	0x0	VIFx	19.5	90.0	st3
Lobby-B	h 3842	294	245	0.296	10.0	0x0	VIFx	17.8	90.0	st3
MECH RM	c 2508	101	124	0.425	7.0	0x0	VIFx	5.0	70.0	
OFFICE	c 2585	95	128	0.251	7.0	0x0	VIFx	37.0	90.0	st2
OFFICE-A	c 2585	95	128	0.248	7.0	0x0	VIFx	38.5	90.0	st2
STRG	h 161	12	12	0.275	4.0	0x0	VIFx	25.9	90.0	st2
VEST	c 921	31	46	0.268	5.0	0x0	VIFx	28.8	90.0	st1
WIC	c 173	5	9	0.270	4.0	0x0	VIFx	28.1	90.0	st2

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st1	Peak AVF	248	270	0.250	496	10.0	0 x 0	VinIFlx	
st2	Peak AVF	319	420	0.248	535	12.0	0 x 0	VinIFlx	
st3	Peak AVF	882	735	0.291	499	18.0	0 x 0	VinIFlx	

Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb20	0x 0	101	124	69.2	0.305	466	7.0	0x 0		VIFx	rt1
rb21	0x 0	207	277	85.2	0.248	507	10.0	0x 0		VIFx	rt1
rb19	0x 0	143	189	68.4	0.309	542	8.0	0x 0		VIFx	rt1
rb18	0x 0	217	225	80.3	0.263	509	9.0	0x 0		VIFx	rt1
rb3	0x 0	882	735	40.6	0.520	499	18.0	0x 0		VIFx	

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rt1	Peak AVF	668	815	0.248	584	16.0	0 x 0	VinIFlx	