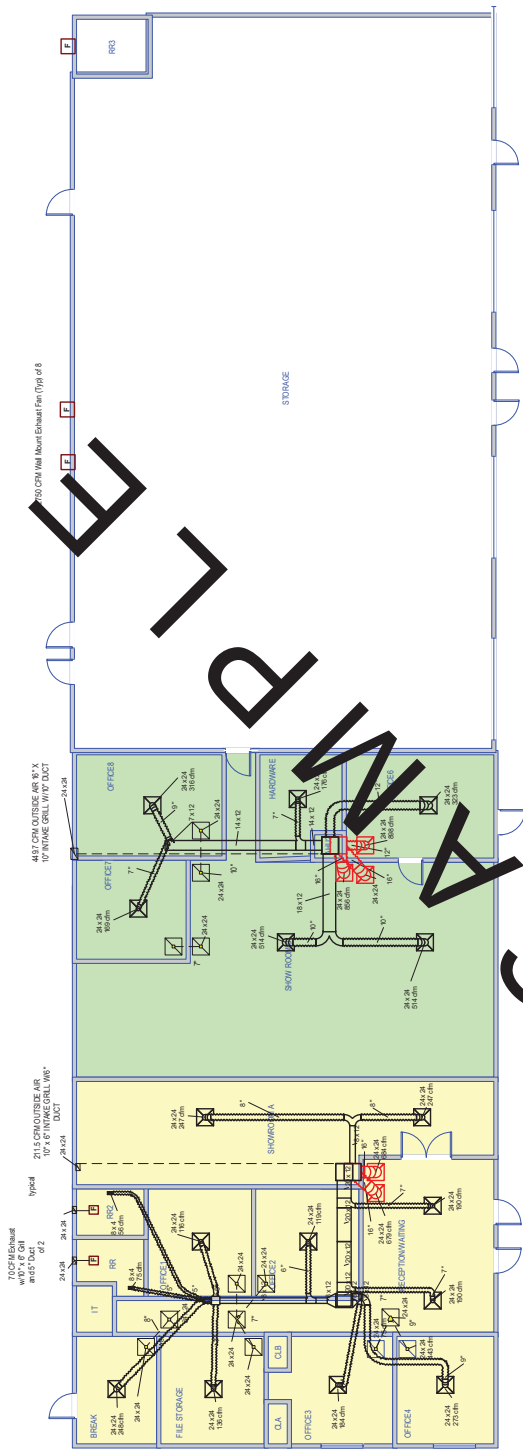




We Care Pharmacy



Job #: Sample Project
Performed by Craig C Brooks for:
Sample Project
1234 82nd Avenue Suite # 203
Vero Beach, FL 32966
Phone: 772-473-7350

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

Scale: 1 : 211
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... Divided 50 -50 Revised Duct.rup

Calculation method: EqualFric Supply FR (in/100ft): 0.100 Return FR (in/100ft): 0.100

Equipment pressure losses (in H2O): Heating
Duct system losses (in H2O): 0.230
Total fan pressure (in H2O): 0.181
Fan air flow (cfm): 0.411
1750

Equipment pressure losses (in H2O): Cooling
Duct system losses (in H2O): 0.230
Total fan pressure (in H2O): 0.155
Fan air flow (cfm): 0.385
1750

Supply Branch Summary

Name	Htg Load (Btuh)	Clg Load (Btuh)	Design AVF (cfm)	Veloc (fpm)	Shape	Duct Size (in)	Duct Matl	Cumm. Loss (in H2O)
BREAK	1600	2377	h 248	709	Round	8	VinlFix	0.150
FILE STORAGE	882	2704	h 136	511	Round	7	VinlFix	0.122
OFFICE1	126	2395	c 116	591	Round	6	VinlFix	0.138
OFFICE2	129	2458	c 119	606	Round	6	VinlFix	0.084
OFFICE3	1186	3244	h 184	687	Round	7	VinlFix	0.076
OFFICE4	1763	3040	h 273	617	Round	9	VinlFix	0.078
RECEPTIONWAITING	1098	3931	c 190	712	Round	7	VinlFix	0.075
RECEPTIONWAITING-A	1098	3931	c 190	712	Round	7	VinlFix	0.065
RR	482	1012	h 75	448	Round	5	VinlFix	0.139
RR2	363	848	h 56	412	Round	5	VinlFix	0.123
SHOWROOMA	1291	5101	c 247	708	Round	8	VinlFix	0.065
SHOWROOMA-A	1291	5101	c 247	707	Round	8	VinlFix	0.048

Supply Trunk Summary

Name	Htg Load (Btuh)	Clg Load (Btuh)	Design AVF (cfm)	Veloc (fpm)	Shape	Duct Size (in)	Duct Matl	Pres Loss (in H2O)
st9	6536	18079	h 1011	606	Rect	20 x 12	RectFbg	0.001
st8	7628	22010	h 1180	708	Rect	20 x 12	RectFbg	0.005
st10	2948	6284	h 456	684	Rect	8 x 12	RectFbg	0.003
st11	1763	3040	h 273	409	Rect	8 x 12	RectFbg	0.000
st12	3581	11795	c 571	857	Rect	8 x 12	RectFbg	0.009
st13	3452	9337	h 534	801	Rect	8 x 12	RectFbg	0.021
st3	2582	10202	c 494	741	Rect	8 x 12	RectFbg	0.010
st7	7628	22010	h 1180	708	Rect	20 x 12	RectFbg	0.004
st4	8726	25941	h 1350	810	Rect	20 x 12	RectFbg	0.004

Return Branch Summary

Name	Htg Load (Btuh)	Clg Load (Btuh)	Design AVF (cfm)	Veloc (fpm)	Shape	Duct Size (in)	Duct Matl	Cumm. Loss (in H2O)
rb23	3680	14133	684	490	Round	16	VinlFix	0.034
rb22	4285	14027	679	486	Round	16	VinlFix	0.034
rb8	2861	6971	443	564	Round	12	VinlFix	0
rb7	482	1012	75	856	Round	4	VinlFix	0

RETURN BRANCH SUMMARY

Calculation method: EqualFric Supply FR (in/100ft): 0.100 Return FR (in/100ft): 0.100

Equipment pressure losses (in H2O): Heating Cooling
Duct system losses (in H2O): 0 0
Total fan pressure (in H2O): 7.115 7.103
Fan air flow (cfm): 7.115 7.103
1750 1750

Supply Branch Summary

Name	Htg Load (Btuh)	Clg Load (Btuh)	Design AVF (cfm)	Veloc (fpm)	Shape	Duct Size (in)	Duct Matl	Cumm. Loss (in H2O)
HARDWARE	1005	2060	176	659	Round	12	VinlFix	0.039
OFFICE6	1840	3938	323	411	Round	12	VinlFix	0.009
OFFICE7	786	2662	169	633	Round	7	VinlFix	7.048
OFFICE8	1802	2724	316	715	Round	9	VinlFix	0.040
SHOW ROOM B-C	2276	8086	514	942	Round	10	VinlFix	0.048
SHOW ROOM B-D	2276	8086	514	942	Round	10	VinlFix	0.063

Supply Trunk Summary

Name	Htg Load (Btuh)	Clg Load (Btuh)	Design AVF (cfm)	Veloc (fpm)	Shape	Duct Size (in)	Duct Matl	Pres Loss (in H2O)
st6	2588	5386	454	778	Rect	7 x 12	RectFbg	0.002
st2	3594	7445	630	540	Rect	14 x 12	RectFbg	0.002
st1	4552	9177	1027	685	Rect	18 x 12	RectFbg	0.010
st5	2588	5386	454	389	Rect	14 x 12	RectFbg	0.005

Return Branch Summary

Name	Htg Load (Btuh)	Clg Load (Btuh)	Design AVF (cfm)	Veloc (fpm)	Shape	Duct Size (in)	Duct Matl	Cumm. Loss (in H2O)
rb27	5121	14084	898	1143	Round	12	VinlFix	0.069
rsb13	4864	13471	856	613	Round	16	VinlFix	0.021