

Ventilation Ductwork Calculations

Upsized Duct to 10" and 9" To lower static pressure

Run	Trunk Duct
Airflow	200 cfm
Diameter	10
Y from supply	10
10" to 6"	4
Actual length	2
Flex length	4
Effective length	28

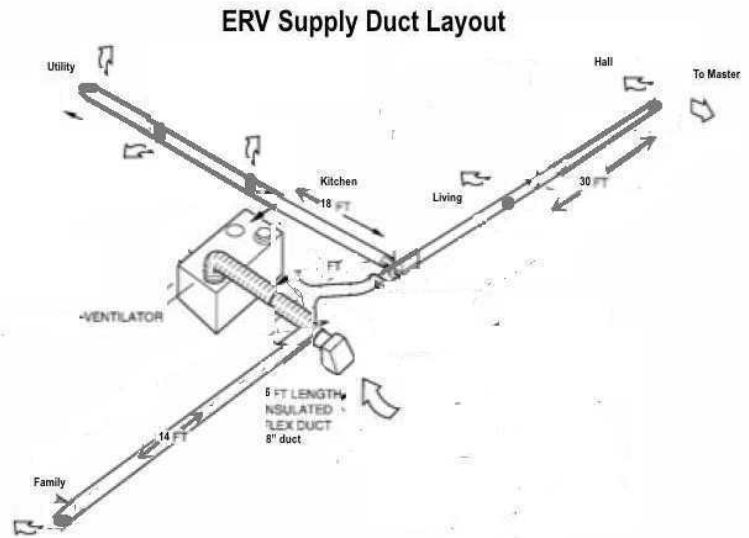
Run	Utility
Airflow	200
Diameter	9
Length	18
Flex length	36
Elbows	2
Boot	15
Grille	15
Effective length	68

Run	Living/Master
Airflow	200 cfm
Diameter	10 in
Actual length	30 ft
Flex length	60
Tee	50
Elbow	40
Grilles	30
Boot (2)	30
Effective length	210

Run	Family
Airflow	200
Diameter	10
Actual length	16
Flex length	32
Boot	15
Grille	15
Effective length	62

Total effective length 368

300 to 400 ft.
 Duct diameter @ 200 cfm 10
 Total static pressure 0.3



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