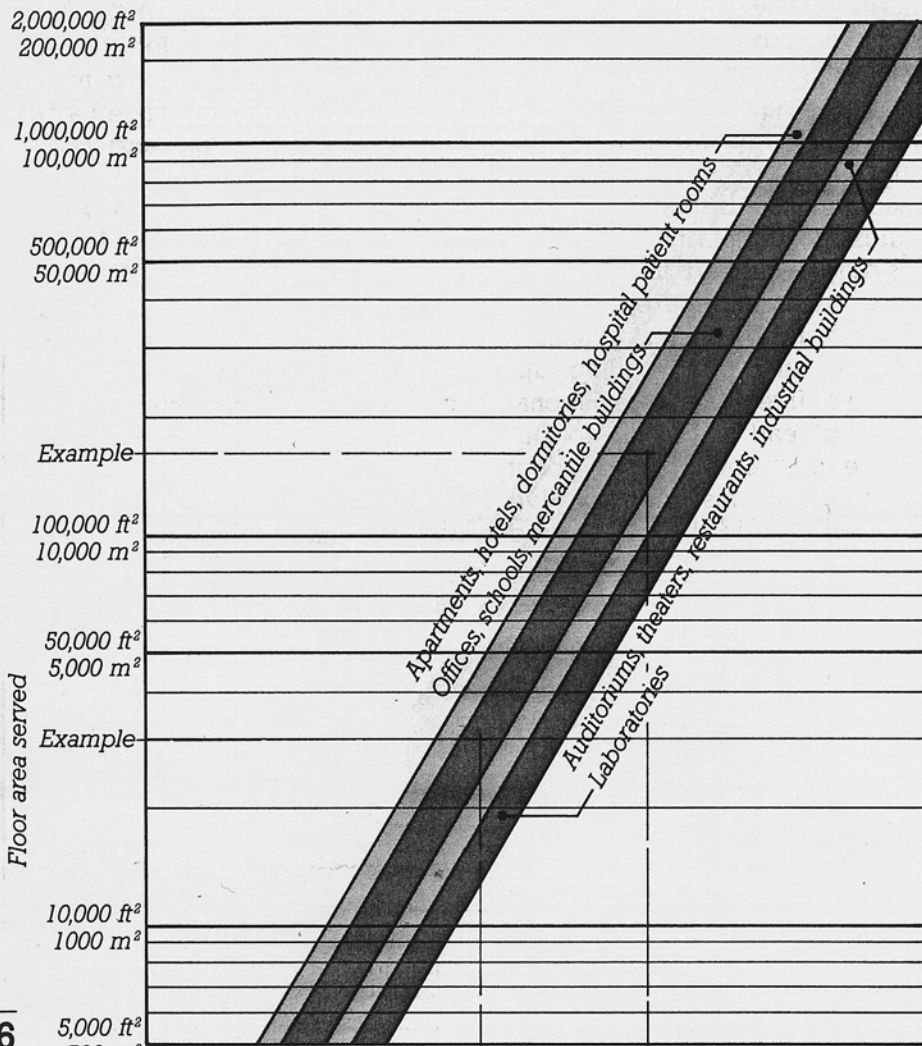


SIZING SPACES FOR AIR HANDLING



Using the chart on this page, we can determine the approximate sizes of the air handling components of the two choices developed on the preceding pages. The central system would move an air volume of about 200,000 cu ft per minute. This would call for a total cross-sectional area of main supply ducts equal to about 120 sq ft and branch supply ducts of about 200 sq ft total. If the branch supply ducts were 2 ft deep, for example, their aggregate width

2000 (0.94)	10,000 (4.7)	100,000 (47.0)	1,000,000 (470)	Cooling air volume in CFM (m ³ /sec)
1 (0.09)	10 (0.93)	100 (9.29)	1000 (92.9)	Area of main supply or return ducts in ft ² (m ²)
2 (0.18)	10 (0.93)	100 (9.29)	1000 (92.9)	Area of branch supply or return ducts in ft ² (m ²)
300 (27.9)		1000 (92.9)	10,000 (929)	Area of fan rooms in ft ² (m ²)
	10 (0.93)	100 (9.29)	1000 (92.9)	Area of fresh air louvers in ft ² (m ²)
	10 (0.93)	100 (9.29)	1000 (92.9)	Area of exhaust air louvers in ft ² (m ²)