

TABLE 1: OUTSIDE AIR CALCULATIONS FOR AHU-E-8 SYSTEM

Description	Area served (sqft)	Occupancy (load from Arch code plan/IBC table 1004.5)			Outdoor air required (IMC 403.2)		
		Group	Load (sqft/occ)	# of people	People OA flow rate (cfm/person)	Area OA flow rate (cfm/sqft)	OA cfm
Portion of level 01 served by AHU-E-8	10,600	B - Ambulatory care	150	71	7.5	0.12	1805
Portion of level 02 served by AHU-E-8	24,900	B - Ambulatory care	150	166	7.5	0.12	4233
Total ventilation cfm required for system:							6038

Scheduled minimum outside air cfm: 8700

TABLE 2: OUTSIDE AIR CALCULATIONS FOR AHU-E-9 SYSTEM

Description	Area served (sqft)	Occupancy (load from Arch code plan/IBC table 1004.5)			Outdoor air required (IMC 403.2)		
		Group	Load (sqft/occ)	# of people	People OA flow rate (cfm/person)	Area OA flow rate (cfm/sqft)	cfm req'd
Level 03 (entire level is served by AHU-E-9)	24,700	B - Ambulatory care	150	165	7.5	0.12	4202
Total ventilation cfm required for system:							4202

Scheduled minimum outside air cfm: 5600