ACS New Children's Center - Environmental Programming Matrix

		hours of operation	occupants	room/space quantity	square foot areas (per room)	square foot areas - sub-total	% of building area	# of personal computers	estimated max. occ. (persons per 1000 SF)	outside air requirement in cfm/person [cfm/ft2]	temperature[1,2]	individual HVAC controls desired	hot water required	noise isolation of space - desirability	view - desirability	daylight - desirability	Variable occupancy	tasks
A. Pre-Placement Services/Manhattan Nursery	registration/ reception	A. Pre-Placement Services 4pm-8am Manhattan Nursery 8am-4pm	440	1	1350	1350	1.32	2	60	15	norm.	yes	no	high	high	high	no	Children are quickly registered and relieved to other rooms.
	waiting room			1	540	540	0.53	0	60	15	norm.	yes	no	high	high	high	no	For caseworkers & other escorts.
	computer stations			1	300	300	0.29	4 to 6	60	20	norm.	yes	no	med.	low	low	no	For caseworkers to update child's file while waiting for placements to be made.
	exam rooms			5	100	500	0.49	0	10	25	higher	yes	yes	high	low	med.	yes	A variety of enclosed and curtain exam rooms for the examination of children.
	isolation rooms			2	200	400	0.39	0	10	25	norm.	yes	yes	med.	med.	med.	yes	For examining children with communicable diseases. 1 room for infants and young children. 1 room for older children & adolescents. Both shall have room for one twin-sized bed.
	medical office			1	180	180	0.18	1	7	20	norm.	yes	no	med.	med.	high	yes	3 workstations. Storage of medical files & records. For completion of paperwork.
	medical stor. clo.			1	160	160	0.16	0	n/a	n/a	norm.	no	no	low	low	no	yes	Large storage closet for med. supplies.

continued on next page

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A. Pre-Placement Services (continued)	waiting rooms	A. Pre-Placement Services 4pm-8am Manhattan Nursery 8am-4pm	(continued -440)	2	225	450	0.44	0	60	15	norm.	no	no	high	med.	high	yes	1 room for infants and young children. 1 room for older children and adolescents. Both designed as learning and recreational centers.
	interview rooms			8	100	800	0.78	0	7	20	norm.	yes	no	high	med.	med.	maybe	Always visible from outside. Designed as conference spaces rather than small offices.
	dining room 1			1	350	350	0.34	0	70	20	norm.	no	yes	low	high	high	yes	0 - 6 yrs.
	dining room 2			1	450	450	0.44	0	70	20	norm.	no	yes	low	high	high	yes	7 - 11 yrs.
	dining room 3			1	600	600	0.59	0	70	20	norm.	no	yes	low	high	high	yes	12 & up.
	kitchen			1	72	72	0.07	0	20	15	norm.	no	yes	low	low	low	yes	Connect to infant & children/adolescent dining rooms. heat recovery
	sleeping facilities			9	500	4500	4.40	0	10	25	lower	yes	no	high	med.	low	yes	Contains age appropriate recreational space and gender approp. Sleeping facilities.
	sleeping facilities			2	400	800	0.78	0	10	25	lower	yes	no	high	med.	low	yes	Contains age appropriate recreational space and gender approp. Sleeping facilities.
	showering facilities			5	100	500	0.49	0	n/a	[0.5]	higher	yes	yes	low	low	no	yes	For children of all ages.
	Department Totals		**440**			**11952**	**12**	**3**										

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B. Satterwhite Training Academy	mock apt/court room	Off Hours - M - F 4:00 PM to 8:00 AM; Sat. & Sun.	675	1	600	600	0.59	0	50	20	norm.	yes	no	high	med.	high	yes	For role playing in mock settings.
	computer rooms			4	900	3600	3.52	60	60	20	norm.	yes	no	med.	low	low	yes	4 computer classrooms. Will function as regular teaching classrooms when computer training is not in session.
	auditorium			1	3800	3800	3.71	0	150	15	norm.	yes	no	high	low	low	yes	For large gatherings. Will be divided by flexible walls when large gatherings are not in session. Projector room?
	copy room			2	75	150	0.15	0	7	20	norm.	yes	no	low	low	low	yes	For large scale photocopiers. Large volume of booklets and texts produced. Locate near window to allow for proper ventilation.
	phone bank			1	60	60	0.06	0	n/a	[0.5]	norm.	no	no	high	low	med.	yes	Public phones accessible by trainees.
	restrooms			4	200	800	0.78	0	n/a	50 cfm/wc or urinal	norm.	no	yes	low	low	low	yes	To accommodate up to 300 trainees at any given time (especially for women).
	conference center			1	1525	1525	1.49	0	150	15	norm.	yes	no	high	high	high	yes	If space is available, otherwise the Training Academy auditorium can be used.
	Department Totals		**675**			**10535**	**10**	**60**										

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C. Teen Center	Director's office	M-F 8am-8pm	1	1	150	150	0.15	1	7	20	norm.	yes	no	med.	high	high	yes	
	cubicles -type 1		7	5	56	280	0.27	3	7	20	norm.	yes	no	med.	high	high	maybe	
	cubicles -type 2		4	4	53	212	0.21	2	7	20	norm.	yes	no	med.	high	high	maybe	
	cubicles -type 3		2	2	78	156	0.15	2	7	20	norm.	yes	no	med.	high	high	maybe	
	classrooms	10:30-2pm	72	2	750	1500	1.47	80	50	15	norm.	yes	no	high	med.	high	yes	
	Department Totals		**86**			**2298**	**2.2**	**88**										
D. Placement & Evaluation	Director/Supervisor	24 Hrs	2	5	150	750	0.73	2	7	20	norm.	yes	no	med.	high	high	yes	
	caseworker		20	20	53	1060	1.04	20	7	20	norm.	yes	no	med.	high	high	yes	
	cubicle - type 1		1	1	56	56	0.05	1	7	20	norm.	yes	no	med.	high	high	maybe	
	cubicle - type 2		9	9	78	702	0.69	9	7	20	norm.	yes	no	med.	high	high	maybe	
	cubicle - type 3		6	6	40	240	0.23	6	7	20	norm.	yes	no	med.	high	high	maybe	
			6	6	120	720	0.70	6	7	20	norm.	yes	no	med.	high	high	maybe	
	Department Totals		**44**			**3528**	**3.4**	**44**										

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E. Emerg Child Serv.	offices	Off Hrs.	116	1	6801	6801	6.64	116	7	20	norm.	yes	no	med.	high	high	yes	
	conference rooms		75	1	1325	1325	1.29	0	50	20	norm.	yes	no	high	high	high	yes	
	Department Totals		**191**			**8126**	**7.9**	**116**										
F. Other	central supplies		8	1	150	150	0.15	0	n/a	n/a	lower	no	no	low	low	low	n/a	
	custodial lockers			1	120	120	0.12	0	n/a	[0.5]	n/a	yes	no	low	low	low	yes	
	custodial workshop			1	200	200	0.20	1	n/a	14	n/a	yes	yes	low	low	low	yes	
	Department Totals		**8**			**470**	**0.5**	**1**										

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		occupants	square foot areas	% of building area	# of personal computers
Summary	A. Pre-Placement/ Manhattan Nursery	440	11952	12.0	3
	B. Satterwhite Training Academy	675	10535	10.0	60
	C. Teen Center	86	2298	2.2	88
	D. Placement & Evaluation	44	3528	3.4	44
	E. Emergency Children's Services	191	8126	7.9	116
	F. Other	8	470	0.5	1

n/a = not applicable

[1] = relative humidity is uncontrolled in winter and less than 50% in summer

[2] = normal indoor air temperature in summer is 72° F; normal indoor air temperature in winter is 68° F.