Educational Specifications for Davis Swing Space School 450 capacity

April 2016



DAVIS SWING SCHOOL

Introduction

This document articulates the requirements for an elementary school that will be used temporarily as swing space for other schools undergoing modernization. The square feet requirements specified are 'targets' to be used for planning purposes. It is expected that the architect will minimized the movement of walls unless the space is so undersized that it will impact the delivery of the program.

Background

As the District of Columbia transitions from the Phase 1 modernization program (summer projects) to comprehensive modernizations (year-long projects), schools need swing spaces where they can stay temporarily while their own schools are under construction. Schools currently scheduled for modernization over the next five years in the northeast and east of the Anacostia River include Kimball, Houston, CW Harris, and Smothers elementary schools. The Davis ES building is ideally located for a swing space in this area.

Davis Elementary School was consolidated with Plummer ES in 2013 and is currently empty. Originally built in 1943, the school had additions in 1946, 1953 and 1963 at a time when the city was growing rapidly. At 71,000 SF, Davis should be able to accommodate up to 450 students.

Scope

This project is a stabilization/renovation of the existing school for a capacity for 450 students. The educational specification requires a school of approximately 63,000 SF if constructed as a new building.

Classroom Requirements

Proposed Capacity Model

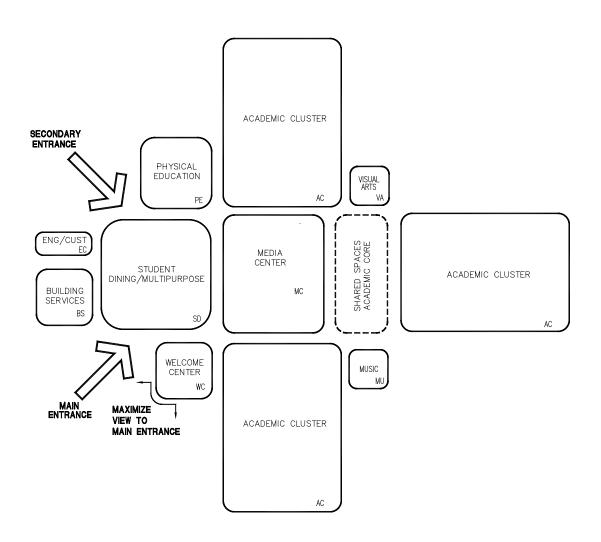
Grade	Number of	
	Classrooms	Capacity
Pre-S/K	5	90
Kindergarten	3	60
1 st -2nd Grade	6	120
3 rd -5th Grade	7	160
Special Education	2	20
Total	23	450

Overview of Planning Concepts

Academic Cluster Concept

The Academic Cluster concept best meets the needs of the educational programs, students, and staff. The cluster concept facilitates a variety of instructional strategies and it provides a learning environment which is characterized by flexibility, a sense of community for the students and teachers, and a safe, well-supervised environment. Teachers will have the option and flexibility within a cluster to create and organize learning environments that work for students and their learning styles.

Diagram Intro A shows a typical design based on the cluster concept.



Core Instructional Spaces

The basic organizational cluster for this school should consist of general purpose classrooms, a small group room, and a teacher work center. Each cluster would also contain a resource classroom used by support educators. Student restrooms should be located within the cluster commons.

"Welcome Area"/Administration/Student Services

The front entry lobby should be welcoming and inviting for students, staff, and visitors. Display systems should be provided for 2-dimensional and 3-dimensional student work and awards. Finishes should be durable and easy to maintain. The scale of all spaces should be child-friendly. Colors, artificial lighting, and natural daylighting should be managed artfully to create an environment that communicates that school is a very special place.

Visitors should be greeted by a security counter/desk where they will sign-in and show identification. For additional security, it is preferable that the welcome center be able to see visitors coming through the front entrance as well. The primary administrative offices will be located in this centralized area at the main entrance to the school. Additional administrators may be distributed around the school at the school's request.

Library Media Center

The library media center (LMC) should be centrally located in the school building with easy access for all students and staff. A LMC consists of flexible learning spaces for instruction, research, browsing, listening, viewing, reading, studying, and the production of academic projects, as well as administrative areas for library media center management and collaborative meetings. LMC spaces should be designed with maximum flexibility in mind.

Visual Arts, Performing Arts and Science

The art and music classrooms will be shared by all grade levels for general class and small group instruction. The location and access to these rooms should promote orderly transitions. If possible, the music suite will be located near the performance area. The art classroom may be in the academic areas preferably with an optimal north daylighting orientation.

Physical Education/Assembly

To support the physical education program, a variety of indoor and outdoor areas are required. Indoor play space will also be used as a performance area and will include a stage and storage space.

Furniture & Equipment

Classrooms vary in shape and size; therefore, the furniture should be flexible to accommodate a variety of classroom formats for both individual and group activities. Teachers and students should have storage space for personal belongings, papers, books, supplies, and teaching materials.

To the extent possible, movable furnishings will be used, rather than fixed casework, to provide flexibility for future reconfiguration.

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Technology

The facility will contain the latest in technology and be wired for voice, data, and video throughout the building. It is intended that access to technology will be seamless and pervasive throughout the building.

Every classroom will be wired for teacher audio enhancement. Research into this cutting-edge technology suggests that student learning can improve in classrooms where the teacher's voice is amplified and the classroom acoustics are designed to support voice clarity.

Site

The site circulation will be organized for safety and efficiency. This will be accomplished through careful separation of vehicular and pedestrian traffic. All play areas will be protected from vehicular and pedestrian traffic, so students can be assured of a safe and secure environment on the entire school site.

To the extent feasible the early childhood wing should have a separate play area and an outdoor classroom.

Performance Criteria

Lighting Quality: Improving natural and artificial lighting in classrooms

	DESIGN PARAMETERS	PARAMETER NOTES
1) Controlled Natural Lighting (Glazing)	10 - 12% of floor S.F.	LEED & Green Globe
2) Combined Light Quality	35-50 Foot-candles	IES
3) Lighting Power Density	0.99 Watts/S.F. or less	ASHRAE 2010 & CHIPS

<u>Environmental / Air Quality</u>: Addressing temperature control, ventilation, air filtration, carbon dioxide levels, and HVAC background noise to ensure comfortable rooms.

	DESIGN PARAMETERS	PARAMETER NOTES
1) Winter Temperature	68.5 to 75.5 degrees	EPA 2000 & ASHRAE 55-04
Summer Temperature	74 to 80 degrees	
2) Humidity	30 % to 60% relative humidity	EPA 2000 & ASHRAE 55-04
3) Air Changes	6-10 per hour	ASHRAE
4) Outdoor Air Ventilation	10CFM per person	Plus 0.12 per SF of area
5) Air Filtration	MERV 13	LEED
	MERV 6 to 8	ASHRAE 52.2-2007 &
		62.1-2007
6) Carbon Dioxide Levels	Below 700 PPM above	ASHRAE 62.1-2007
	outdoor air	
7) HVAC Background Noise Level	RC(N) Mark II level of 37	ASHRAE Handbook
		Chapter 47

Acoustics: Limiting reverberation and background noise and improving sound isolation.

	DESIGN PARAMETERS	PARAMETER NOTES
1) Reverberation	.6 per second	(ANSI S12.60-2002)
2) Background Noise	45 dBA	(LEED)
3) Sound Isolation (Varies)	STC 45 between Classrooms	

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<u>Technology</u>: Providing data connections for online learning resources, AV equipment, and a sound system with emergency capabilities.

		DESIGN PARAMETERS PARAMETER NOTES	
1)	Data / Computer Drops	At Teacher and Student Computers,	
		at wireless access points	
2)	Audio / Video Equipment		
	Projector linked to Teacher's Po	C	
	or		
	Interactive Whitebaord		
	Sound Reinforcement	Amplifier, microphone, speakers	
3)	Clock	Synchronized with Bell system	
4)	Sound System & Emergency Ca	all-box	
	Ceiling or Wall Speaker	Class change bells, emergency announcements	
5)	CCTV Camera (TBD)		
	Security, WebX conferencing,	Distance Learning	

Sustainability: Build for energy efficiency

	DESIGN PARAMETERS PA	RAMETER NOTES
1) Building EUI	20% below Baseline	ASHRAE 2010
2) Building Envelope	Meet or exceed R-value standards for building type	ASHRAE 90.1 2010
3) Water	Ultralow flow fixtures	ASHRAE 90.1 2010

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Safety & Security

DCPS wants to maintain an inviting and de-institutionalized environment, while simultaneously providing a safe environment for students, staff, and community who use the facility and adjacent support services. The organization of a building will have a major impact on student behavior and safety concerns. Building security can be addressed in an active or a passive manner: active security is based on security systems; passive security is based on program design, building configuration, and community participation. Schools should be based on passive concepts with applied active concepts where necessary.

1. Building Layout

- Avoid blind spots, corners, and cubby holes
- Locate administrative and teacher preparation with good visual contact of major circulation areas (i.e., corridors, cafeteria, bus drop-off, parking)
- Develop spatial relationships that naturally transition from one location to another
- Locate toilets in close proximity to classrooms
- Design toilets to balance the need for privacy with the ability to supervise
- Locate areas likely to have significant community (after school) use close to parking and where these areas can be closed off from the rest of the building

2. Types of Building Materials

- Use durable wall surfaces that are easy to clean so graffiti can be removed
- Incorporate pitched roofs which inhibit roof entry and are aesthetically pleasing
- Operational part of windows on the ground floor should be in the upper portion to prevent access.
- Install non-slip floors and walk-off mats at point of entry
- All doors will have locks on the inside.

3. Uses of Technology

- Phones in every instructional and support area
- Building-wide all-call designed to be heard throughout the school and on the play fields when needed
- Motion or infra-red detectors, which can also conserve lighting costs
- Video cameras that are used for instructional purposes could also be used for security purposes during non-school hours
- Smoke and heat detectors located throughout the building

4. Vehicular and Pedestrian Traffic

- Separate bus drop-off area from other vehicular traffic
- Separate staff and community parking area
- Separate student (pedestrian) traffic flow

5. Landscaping, Play/Practice Fields, Site, and Lighting

- Use native high trees and low bushes (less than three feet high) to deter hiding
- Use aesthetically pleasing fencing around perimeter of the building
- Non-intrusive lighting of all areas (not correctional-type lighting) according to the Light Pollution Credit in LEED-Ss with no lighting to leave property line
- Provide security lighting around building and parking lots with photocell timer, motion sensor and on/off capacity

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DCPS Recycles!

All DCPS schools are required to participate in the recycling program provided by DGS. All modernization projects must be designed to be consistent with the standardized supplies and services described at http://dgs.dc.gov/page/healthy-schools, with the expectation that in the near term future all schools will recycle and compost under this program.

Since each school is different, the DGS recycling program should be consulted regarding the following design considerations. In general, every modernization project is expected to provide

- Adequate, accessible space for pick-up of all serviced containers, usually to include (1) 8 cu yd dumpster OR compactor for paper and cardboard; (2-4) 96 gallon toters for glass/plastic/metals, and (3-10) 36 gallon toters for compostable waste; that is accessible to both front-end loaded and rear-end loaded trucks and allows custodian to easily transport toters to be picked up at ground level. The best configuration of containers will depend on the specifics of the hauling contract, the occupancy of the building and space restrictions. Compactors are not usually recommended for buildings with occupancy less than 500. The dimensions of a standard 8 cu yd side loaded dumpster are 71"x 80"x76" (length x width x height).
- Secure space for storing serviced containers and collection bins with easy access for custodian to roll bins to/from pick up location, and distributed as necessary to facilitate flow of materials throughout the building to the pick-up location.
- Cafeteria and kitchen layout and millwork that supports a logical flow of materials including emptying liquids, sorting waste into three categories (landfill, recycling, compost), and tray return, while avoiding congestion; includes space for changeable signage and labels; is consistent with compost and recycling supplies provided by DGS for cafeterias (accommodates 32-gallon Brute-style bins with wheels); allows for easy access for cleaning by custodians (bottom of the sorting station is the floor); and has countertop holes that accommodate easy dumping of waste using both compostable and reusable trays.

The DGS recycling program provides a **standardized set of recycling supplies** at no cost to each school, the number and type of bins to be determined according to building characteristics supplied by the project team.

Project teams should also consult with the recycling program regarding providing large, highly visible sorting stations with signage in select high traffic common areas (not in hallways, and not built into the wall); as well as regarding the type and placement of s.

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Space Summary	Modernization
	Total
Core Academic Areas	29,400
Media Center	2,700
Administration	2,430
Student Dining & Food Service	4,000
Auditorium/Assembly (as is)	4,250
Maintenance & Custodial Services	600
Mechanical, Electrical, Toilets, Custodial Closets	14,627
Total Net	58,007
Construction Factor[.082]	4,756
Total Gross	62,763

Building Space Summary

Outdoor Area Requirements Summary

Exterior Spaces
Structured Play Area For Primary/Intermediate Grades
Protected Pre-School Play Area
Outdoor Paved Play Area [reduced size basketball courts, with markings for other games]
Outdoor Classroom
Faculty, Staff, and Visitor Parking (TBD)

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Spaces	Guideline			Comments
	Quantity	S.F.	Total	
Pre-S/Kindergarten Classroom	5	1,000- 1,175	5,875	Includes 50 sf toilet
Kindergarten Classroom	3	1000- 1,175	3,525	Includes 50 sf toilet
Grade 1-2 Classroom	6	800-900	5,400	
Grade 3-5 Classroom	7	800-900	6,300	
Special Needs Classroom	2	800-900	1,800	
Special Needs - Resource Rm OT/PT - Speech - Offices	4 1 1 3	250 300 200 150	1,950	Psychologist, Social worker, behavior tech, etc.
Academic Resource	1	300	300	World language
Instructional coach	1	300	300	
Workrooms - Laptop cart storage/charging	2 3	200 50	550	May be combined One per floor
Additional instructional spaces			0	
Art	1	1,000- 1,200	1,200	w/ kiln and storage
Music	1	1,000- 1,200	1,200	w/storage
Multi-purpose Lab	1	1,000	1,000	
			0	
Tota			29,400	

Core Academic Area Space Requirements

Tolerances of + or - 5-15% are acceptable. Adjacencies as specified are desirable, but options may be considered and should be reviewed with the planning team.

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PRE-K-S / KINDERGARTEN

E-ACA-1A

Spec.

Ref.#

064123

123200

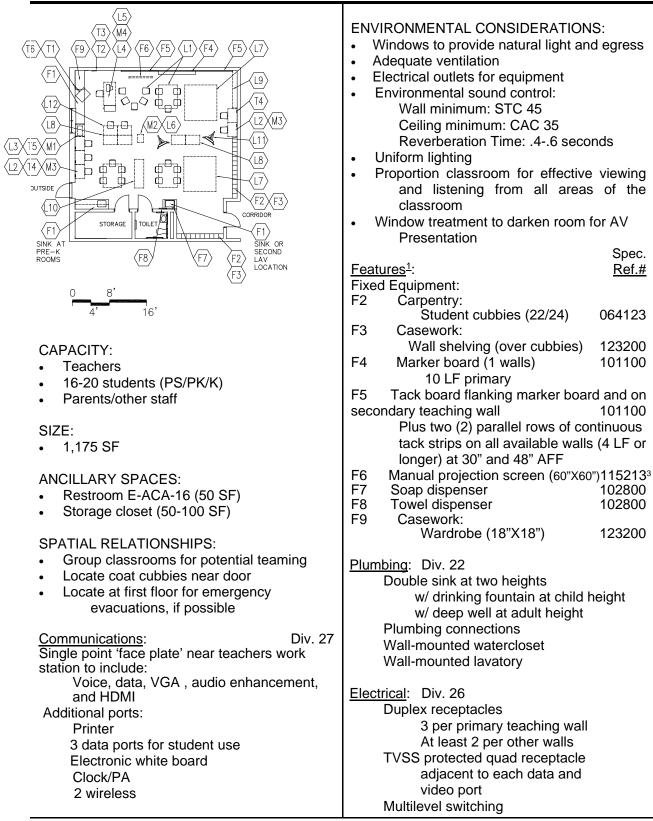
101100

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123200



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GRADES 1-5 CLASSROOM

$\begin{array}{c} 13\\ 13\\ 12\\ 14\\ 14\\ 13\\ 12\\ 14\\ 14\\ 13\\ 14\\ 15\\ 16\\ 14\\ 14\\ 15\\ 16\\ 14\\ 14\\ 15\\ 16\\ 16\\ 16\\ 16\\ 16\\ 16\\ 16\\ 16\\ 16\\ 16$	 SPATIAL RELATIONSHIPS: Group classrooms for potential teaming Locate cubbies near student work area Locate coat cubbies near door ENVIRONMENTAL CONSIDERATIONS: Uniform lighting Windows to provide natural light and egress Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35 Reverberation Time: .46 seconds Electrical outlets for equipment Adequate ventilation Proportion classroom for effective viewing and listening from all areas of the classroom Window treatment to darken room for AV
SIZE: • 850 SF to 950 SF CAPACITY:	presentations <u>Features¹</u> : Spec. <u>Ref.#</u>
 20-22 students (1st – 2nd) 22-24 students (3rd – 5th) 1 teacher Staff members Guest speakers/volunteers Communications: Div. 27 Single point 'face plate' near teachers work station to include: Voice, data, VGA , audio enhancement, and HDMI Additional ports: Printer 3 data ports for student use Electronic white board Clock/PA 2 wireless 	Fixed Equipment:F1Casework:123200Base/wall cabinets by sinkSturdy shelves on 3 walls in storageF2Carpentry:Student cubbies (24/28)F3Casework:Wall shelving (24 LF- H 30-32")F4Marker board (2 walls)10110016 LF primary/8 LF secondaryF5F5Tack board flanking marker boardsPlus two (2) parallel rows of continuoustack strips on all available walls (4 LF orlonger) at 30" and 48" AFFF6Manual projection screen (60"X60")115213²F7Soap dispenser102800F8Towel dispenser102800F9Casework: Wardrobe (18"X18") 123200
	Plumbing: Div. 22 Sink with drinking fountain (optional) Plumbing connections Electrical: Div. 26 Duplex receptacles 3 per primary teaching wall 2 per other walls TVSS protected quad receptacle adjacent to each data and video port Multilevel switching

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RESOURCE CLASSROOM

E-ACA-4

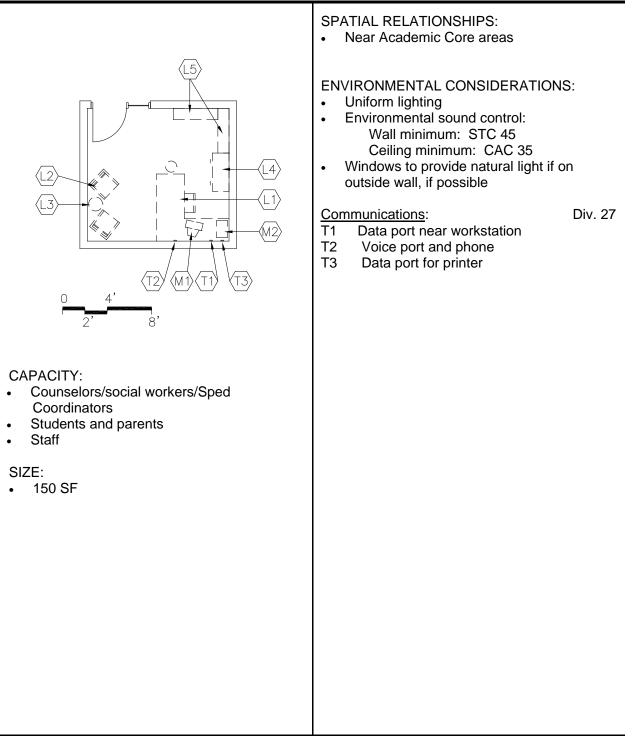
	27.0771
	SPATIAL RELATIONSHIPS:Located within Academic Core areas
	Ingress/egress to the building which allows for appaid transportation pick upp
	for special transportation pick-ups
$\langle L5 \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle M1 \rangle \langle M3 \rangle \langle B \rangle = \langle L3 \rangle \langle M1 \rangle \langle M3 \rangle \langle M1 \rangle \langle M3 \rangle \langle M1 \rangle \langle M3 \rangle \langle M3 \rangle \langle M1 \rangle \langle$	ENVIRONMENTAL CONSIDERATIONS:
$\langle T_6 \rangle \langle T_2 \rangle \langle T_3 \rangle \langle M_4 \rangle \langle L_7 \rangle \langle T_4 \rangle \rangle \langle T_5 \rangle \langle T_4 \rangle$	Uniform lighting
	 Windows to provide natural light and
	egress
	 Environmental sound control:
	Wall minimum: STC 45
	Ceiling minimum: CAC 35
	Reverberation Time: .46 seconds
	 Electrical outlets for equipment
	Proportion classroom for effective viewing
	and listening from all areas of the
	classroom
$\langle F2 \rangle$ $\langle F7 \rangle \langle F6 \rangle \langle F1 \rangle$	 Window treatment to darken room for AV
	Presentation
0 8'	Spec.
4' 16'	<u>Features¹</u> : <u>Ref.#</u>
+ 10	Fixed Equipment: F1 Casework: 123200
	Base/wall cabinets and shelving
CAPACITY:	Paper storage cabinets
Up to 15 students	F3 Marker board (8 LF) 101100
 2 or more staff members 	F4 Tack board (8 LF minimum) 101100
	F5 Manual projection screen 115213
Communications: Div. 27	F6Soap dispenser102800F7Towel dispenser102800
Single point 'face plate' near teachers work	F7Towel dispenser102800F8Casework: Wardrobe123200
station to include:	
Voice, data, VGA , audio enhancement,	
and HDMI	Electrical: Div. 26
Additional ports:	Duplex receptacles
Printer	3 per primary teaching wall
3 data ports for student use	2 per other walls TVSS protected quad receptacle
Electronic white board	adjacent to each data and
Clock/PA	video port
1 wireless	

NOTES:

- 1. Loose furnishings and features shown represent one of many possible arrangements.
- 2. Orientation of Resource Classroom shall be determined as a result of layout of adjacent classrooms
- 3. Sink shall be located with close proximity to corridor.

STUDENT SERVICES

E-ACA-5

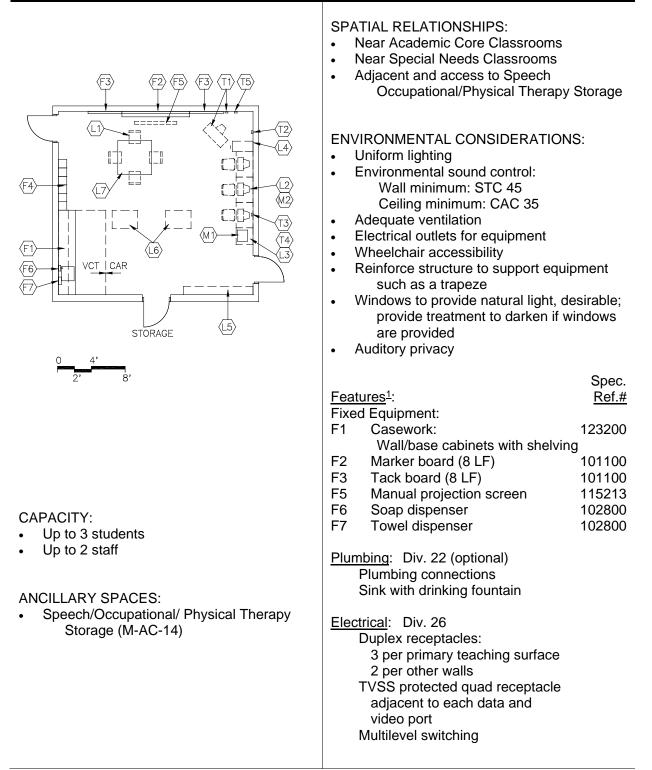


NOTES:

- 1. Loose furnishings and features shown represent one of many possible arrangements.
- 2. An internal window (with blinds) may be provided in lieu of sidelight.

SPEECH / OCCUPATIONAL / PHYSICAL THERAPY

M-AC-13



NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

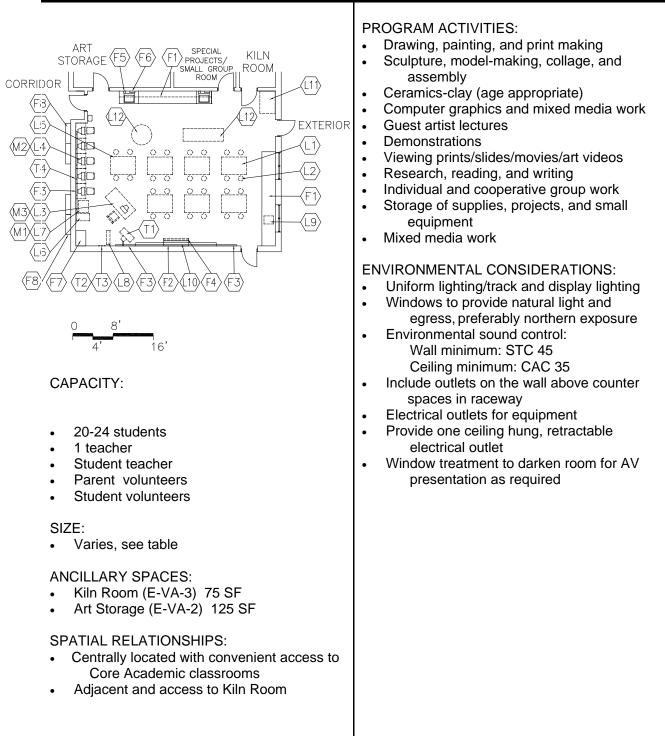
WORKROOM / TEACHER OFFICE/Instructional Coaches E-ACA-12

	SPATIAL RELATIONSHIPS:
	Near Academic Core classrooms (controlly logated)
$\langle F1 \rangle$ $\langle F6 \rangle \langle F5 \rangle$ $\langle F4 \rangle$ $\langle F3 \rangle$	(centrally located)Access to Staff Restroom(s) from within
	Workroom/Teacher Office
┝───────────────────	Access to Storage from within
	Workroom/Teacher Office
	ENVIRONMENTAL CONSIDERATIONS:
	Uniform lightingEnvironmental sound control:
	Wall minimum: STC 45
	Ceiling minimum: CAC 35
	Adequate ventilation
	 Electrical outlets for equipment Window to provide natural light, desirable
STORAGE RESTROOM L5	Features ¹ : Spec.
	Features ¹ : <u>Ref.#</u> Fixed Equipment:
0 4'	F1 Casework: 123200
2' 8'	Base cabinets
	Wall cabinets/shelvingF2Tack board (4 LF)101100
CAPACITY:	F3 Casework: 123200
Teachers	Deep storage for poster board
Teachers' assistants	F4Towel dispenserF5Soap dispenser102800
Parents/volunteers	
SIZE:	Plumbing: Div. 22
Varies, see table	Plumbing connections Sink
ANCILLARY SPACES:	
Staff restroom	Communications: Div. 27
	T2 Voice port and phone T3 Data port near workstation
	T4 Data port at printer

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.
 Optional: Consideration for internal window(s) with blinds to corridor.





NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

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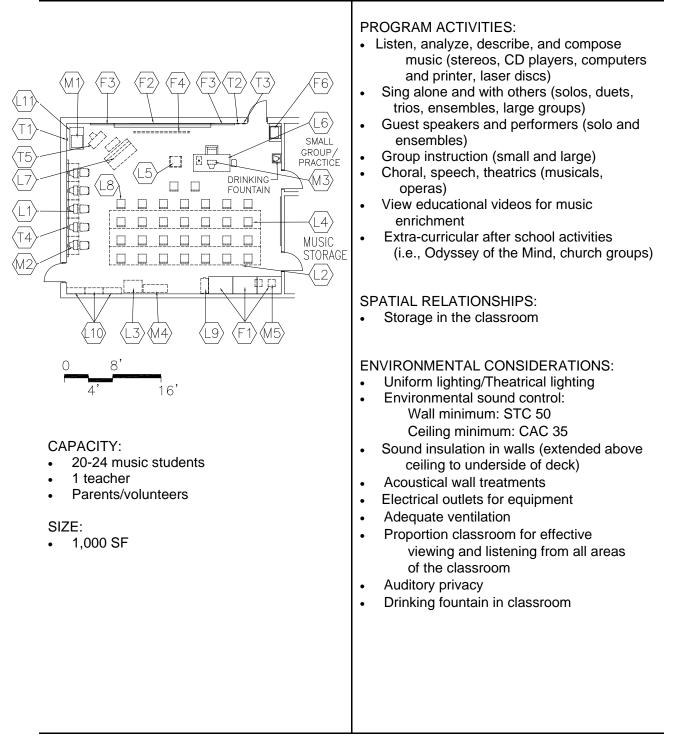
RT LAB	E-V
Communications: Div. 2 Single point 'face plate' near teachers work station to include: Voice, data, VGA , audio enhancement, and HDMI Additional ports: Printer 3 data ports for student use Electronic white board Clock/PA 2 wireless	Spec

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

GENERAL MUSIC ROOM

E-MU-1



NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

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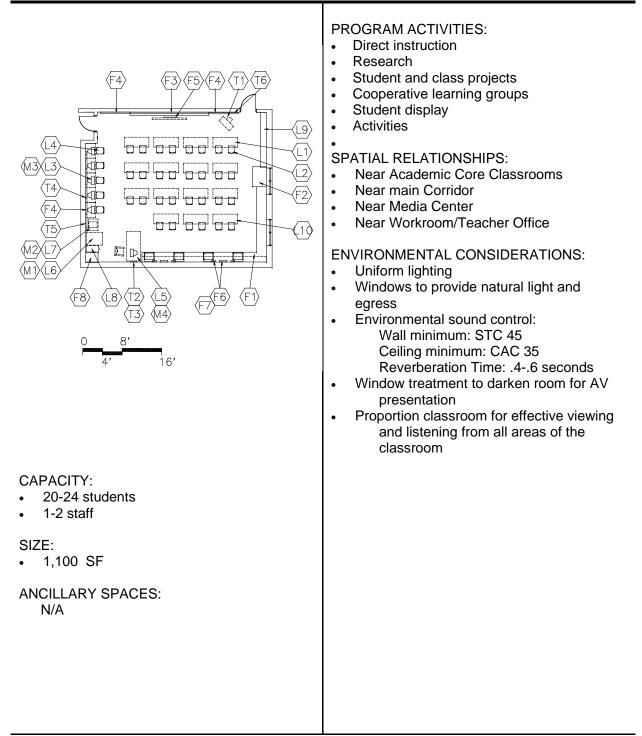
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Spec.Spec.SpeFinishes1:Ref.#Features1:Ref	
Finishes ¹ : Ref.# Features ¹ : Ref.	#
Flooring: Fixed Equipment:	
Carpet 096816 F1 Casework:	0
Base: Paper storage cabinets 12320 Resilient base 096510 F2 Marker board (16 LF)	0
1/2 with music staff bars 10110	0
Ceiling(10 high minimum). E3 Tack board 10110	
Suspended, acoustical 095113 F4 Manual projection screen 11521	
Walls: F5 Casework:	
Painted concrete masonry units Wardrobe 12320	0
042000 / 099123 F6 Casework:	
Communications: Div. 27 Sink cabinet 12320	0
Single point 'face plate' near teachers work Plumbing: Div. 22	
station to include: Plumbing connections	
Voice, data, VGA , audio enhancement, Drinking fountain	
and HDMI Sink	
Additional ports:	
Printer <u>Electrical</u> : Div. 26	
3 data ports for student use Duplex receptacles	
Electronic white board 3 per primary teaching wall Clock/PA 2 per other walls	
2 wireless adjacent to each data and	
video port	
Multilevel switching	

NOTES: 1. Finishes/Features: Refer to Chapter 8 for specification references.

MULTI-PURPOSE LAB

E-ACA-14



NOTES:

- 1. Loose furnishings and features shown represent one of many possible arrangements.
- 2. Casework countertop at sink wall(s) shall be 30" deep with a 6" plumbing chase for services. No plumbing shall be in exterior wall

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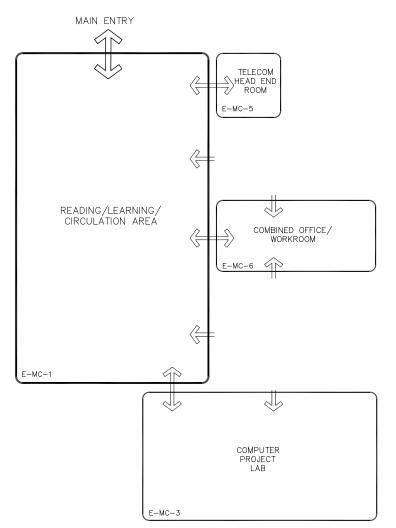
MULTI-PURPOSE LAB

NOTES: 1. Finishes/Features: Refer to Chapter 8 for specification references.

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MEDIA CENTER

Spaces	Qty.	S.F.	Total	Comments
Reading/Learning/Circulation	1	1,600	1,600	
- Laptop lab	1	800	800	May be a separate room
Office	1	150	150	
Lockable computer storage	1	50	50	
Telecom Head End Room	1	100	100	
Total			2,700	



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READING / LEARNING / CIRCULATION AREA PROGRAM ACTIVITIES: Reading CORRIDOR (F4) (M3/M8/T3) Circulation of materials and resources including online catalogs TELECOM HEAD END ROOM Large group and small group instruction • Informal small group interaction • (T6) Provide meeting areas for community, staff, SMALL GROUP MŻ CONFERENCE and parents ROOM Research Dramatic reading and storytelling (F1) 15XL5) OFFICE / SPATIAL RELATIONSHIPS: WORKROOM/ STORAGE 顶面 Instructional area to accommodate one full OUTDOORS TDATD class of students Space around computers for 2-3 students to work together Story area with flexible seating Comfortable seating areas for independent MEDIA PRODUCTION (F1) reading AREA Display areas for books and interesting (T1) objects Circulation area located close to entrance/exit READING/STORY AREA Periodical area located near entrance and (F3) close to circulation Two catalog station areas centrally located **ENVIRONMENTAL CONSIDERATIONS:** Recessed floor (data and duplex) outlets in floor throughout 6 Adequate ventilation Lighting appropriate to task with switches to CAPACITY: dim separate zones of Media Center 40 students Environmental sound control: 2 teachers Wall minimum: STC 45 1 media specialist Ceiling minimum: CAC 35 Community patrons after school hours Electrical outlets at entrance for future • security system Electrical outlets at all column locations Widows to provide natural light • Security of school when center is in use after • school hours Ceiling height in proportion to room . dimensions Open flow for traffic in

E-MC-1

NOTES:

- 1. Loose furnishings and features shown represent one of many possible arrangements.
- 2. Freestanding book stacks shall be no more than 42" high with castors. Book stacks against the wall may be 60" to 72" high. Coordinate with other equipment and windows.

reference/professional/periodical areas

Electrical outlets in toe space of wall

Window treatment to darken room for AV

shelvina

presentation

DAVIS SWING SCHOOL

READING / LEARNING / CIRCULATION AREA E-MC-1 Spec. Spec. Finishes¹: Ref.# Features1: Ref.# Flooring: Fixed Equipment: 096816 F1 Carpet Library casework - see below F2 Motorized projection screen 115213 2 Marker board (8 LF each) F3 101100 2 Tackboards (8 LF each) Miscellaneous: F4 **Display cases** 123559 M1 Black and white printers M3 2 bar code readers Div. 26 Electrical: 8 computers for student use M6 Duplex receptacles 2 computers for reference M7 TVSS protected quad receptacle M8 2 computers for staff use adjacent to each data and video port Multi-level switching to allow for dimming part of the room Fluorescent lighting Means of egress lighting per code Central sound system Floor boxes (electrical/data) throughout reading room for flexible loose furnishings layout Communications: Div. 27 T2 Voice port and phone at circulation desk T3 2 data ports at circulation desk T4 8 data ports for student use T5 2 data ports for printers T6 2 data ports for automated data catalog Interactive board in the 'teaching area'

1. Finishes/Features: Refer to Chapter 8 for specification references.

DAVIS SWING SCHOOL

Shelving

Calculating Shelving Requirements

Where possible shelves placed off of the wall should be on casters. All shelving must have a full back and be fully adjustable with no lip that prevents access to books. In determining type and placement of shelving, consider the following:

- Consider shelf height and arrangement to promote maximum visibility of students
- Freestanding, mobile double-faced stacks placed in rows of 4-6 sections are the most preferred stack arrangement
- Counter height shelving may be used for picture books, reference books and to create special interest areas
- Special shelving will be needed for periodicals and displays
- Shelves should not be more than two-thirds full. It is recommended that the top and bottom shelves be initially reserved for collection expansion or used for display
- To ensure continuity, purchase enough shelving to meet future needs
- Shelves that are longer than 36" may warp
- Shelves should be able to accommodate a variety of formats

Mobile Shelving to be placed in the center of the space should be mobile and there should be no lip around the shelves that block access to books. Examples:

- Brodart Mobile Shelving: <u>http://www.brodartfurniture.com/products/mobile-shelving/products~detail.aspx?id=114&cld=59</u>
- Demco Mobile Shelving: <u>http://www.demco.com/goto?PNHD21&intcmp=CN_D21</u>

Calculating Shelving Dimensions

Provide approximately 200 linear feet of shelving.(confirm volumes with the first swing school)

Furniture

Circulation Desks should not be overly large and should be placed with maximum sight lines for the space. A book drop and book cart should be included as well as desk space, and work space.

Height of the consideration as all ADA

desk should take in to the size of the students as well guidelines. Examples:

OPAC Catalog Stations

Circulation Desk



Book drops if at all possible, in addition to the book drop in the circulation desk, a second lockable book drop should be accessible from the hallway outside the library. A second book cart should be provided to collect the books from this book drop.

DAVIS SWING SCHOOL

Technology

OPAC Catalog Stations

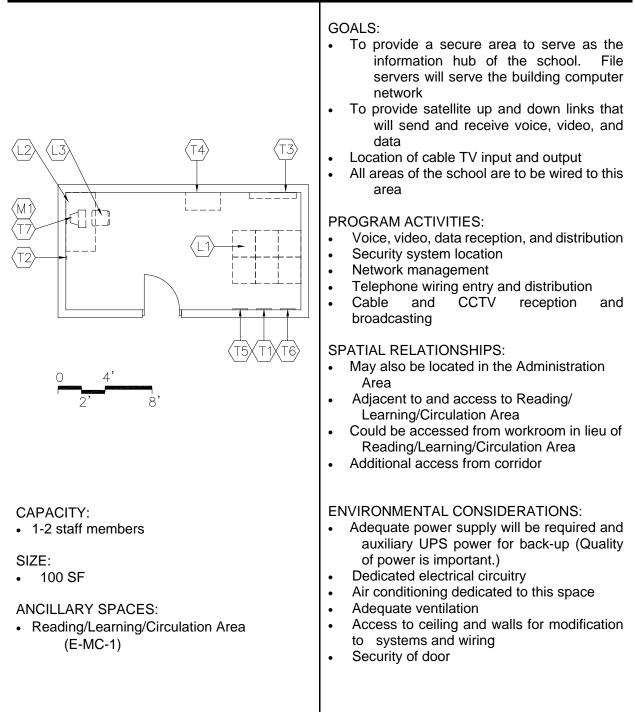
Computers dedicated to OPAC searching should be placed at the circulation desk or throughout the LMC, not included as part of a computer lab.

Computer Area

- Peripheral design strongly preferred (vs. lecture/row style)
- Flexible furniture preferred; plain tables for collaboration should be included in the center of the room when possible
- Network drops should be available for 28-30 students
- Desktops hardwired
- 100% wireless coverage

TELECOM HEAD END ROOM

E-MC-5



NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

DAVIS SWING SCHOOL

TELECOM HEAD END ROOM E-MC-5

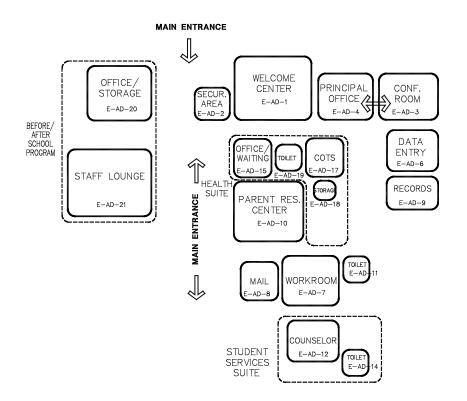
Loose Furnishings: L1 6-8 technology racks L2 Workstation L3 Ergonomic task chair	Electrical: Duplex receptacles Quad receptacles for electronic systems Single-level switching Fluorescent lighting Central sound system	Div. 26
	Communications:T1Data network systemT2Voice port and phoneT3Telephone switchgearT4Video network controlT5Satellite dish connectionT6Satellite/cable system controlsAccess	Div. 27 17430
	Access	

NOTES: 1. Finishes/Features: Refer to Chapter 8 for specification references.

DAVIS SWING SCHOOL

ADMINISTRATION

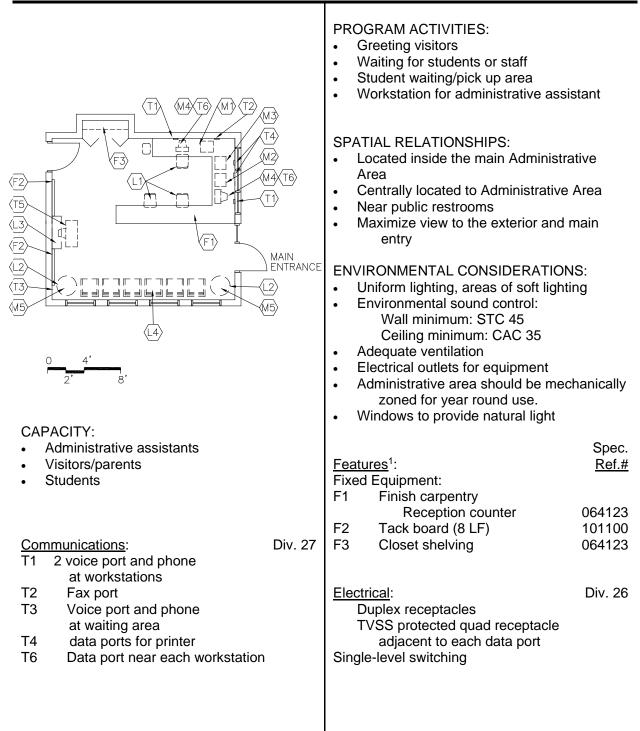
Spaces		Suggested		Comments
	Qty.	S.F.	Total	
Welcome Center	1	250	250	
Security Area w/ storage	1	75	75	
Conference Room	1	200	200	
Principal's Office	1	180	180	
Business Office	1	120	120	
Administrative Workroom	1	120	120	
Parent Resource Center	1	230	230	Near the front door.
Student Services/counselor	1	150	150	
Health Suite			0	
Office	1	100	100	
Waiting/Treatment Area	1	180	180	
Cots	1	100	100	
Storage	1	25	25	
Toilet	1	50	50	
Extended Day Office/Storage	1	250	250	
Staff Lounge	1	400	400	Includes staff toilet with shower.
Total			2430	



DAVIS SWING SCHOOL

WELCOME CENTER

E-AD-1

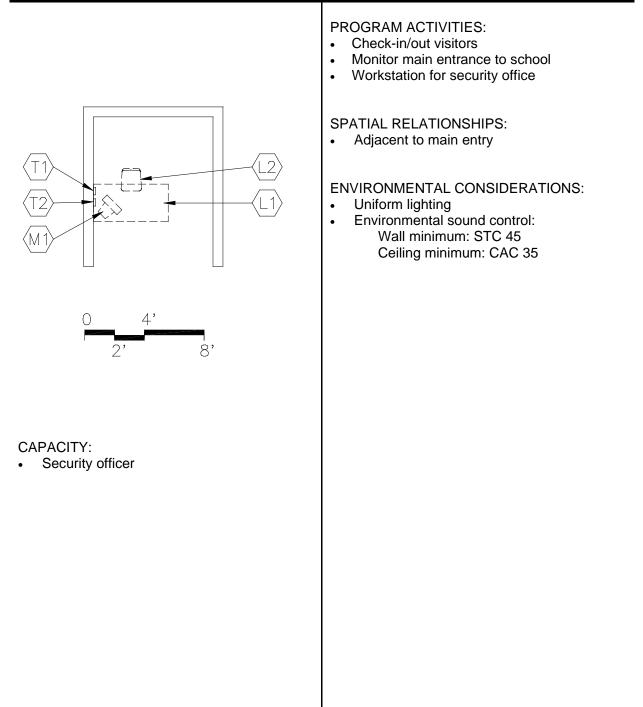


NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

SECURITY AREA

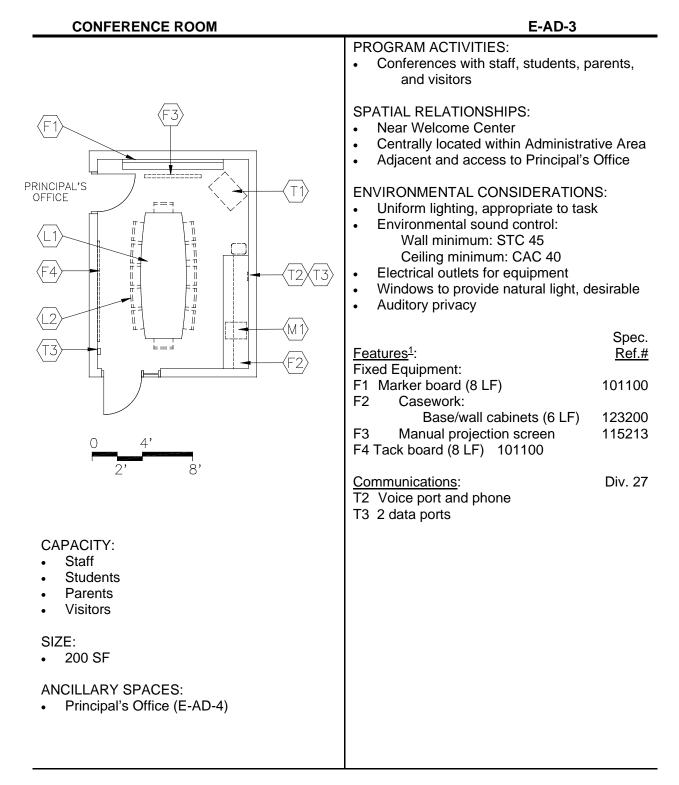
E-AD-2



NOTES:

Loose furnishings and features shown represent one of many possible arrangements.

DAVIS SWING SCHOOL



NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

April 2016

DAVIS SWING SCHOOL

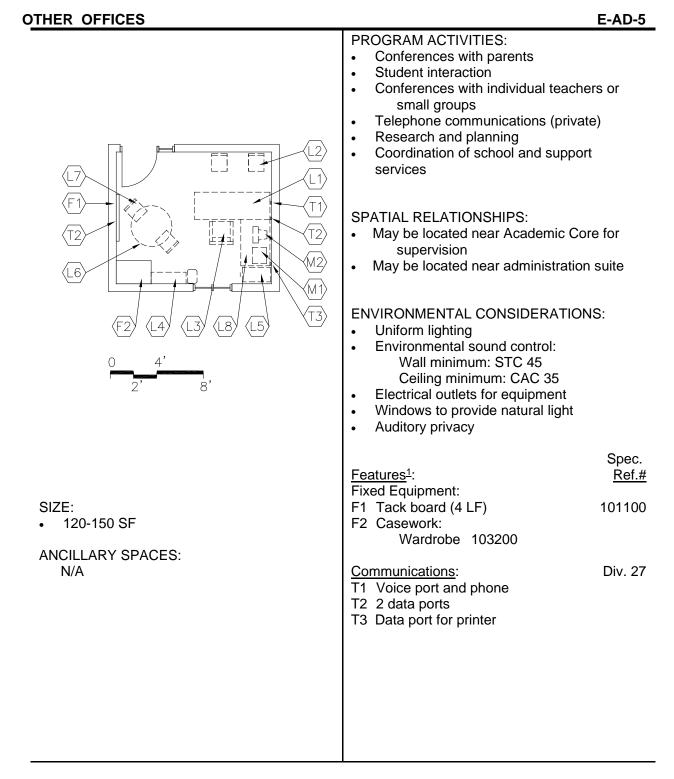
P <u>RINCIPAL'S OFFICE</u>	E-AD-4
	 PROGRAM ACTIVITIES: Conferences with students, parents, teachers, staff, and visitors Curriculum development Research and planning Telephone communications Dealing with personnel issues Coordination of school and support services
	 SPATIAL RELATIONSHIPS: Near main entry Near administrative assistant Adjacent and access to Conference Room
$\begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	 ENVIRONMENTAL CONSIDERATIONS: Uniform lighting, appropriate to task Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35 Electrical outlets for equipment Windows to provide natural light One area should be especially child-scaled and friendly for working with individual children Auditory privacy Back door to secondary corridor, desirable
2' 8'	Spec. <u>Features¹</u> : Ref.#
CAPACITY:	Fixed Equipment: F1 Tack board (4 LF) 101100 Wall mounted coat rack/shelf
 Principal SIZE: 180 SF ANCILLARY SPACES: Conference Room (E-AD-3) 	Communications:Div. 27T1 Voice port and phoneT2T2 Data port near workstation Cable drop for input/outputT3T3 Data port for printer

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

April 2016

DAVIS SWING SCHOOL

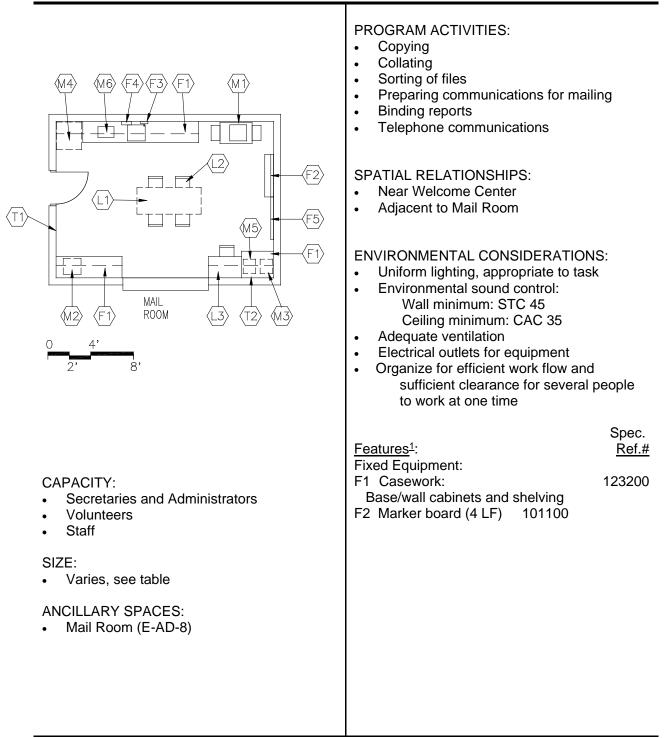


NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

DAVIS SWING SCHOOL

ADMINISTRATIVE WORKROOM E-AD-7

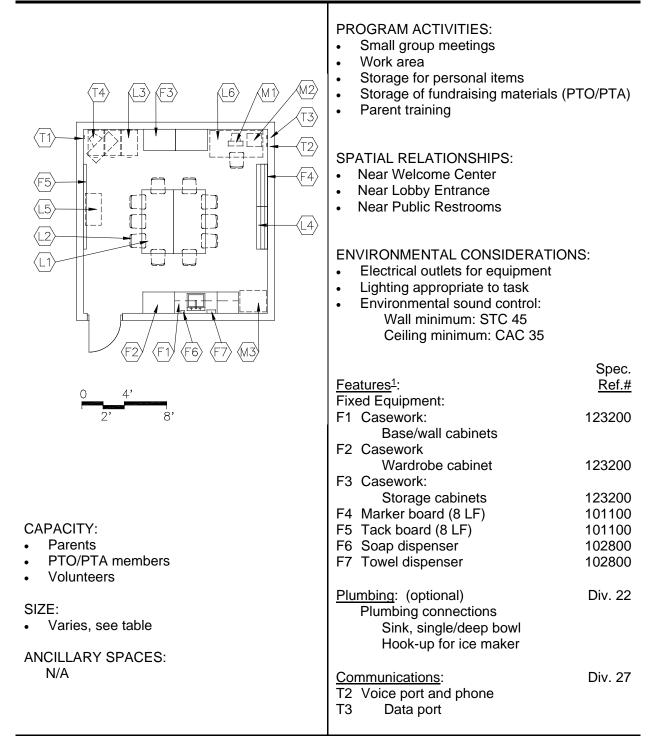


NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

PARENT RESOURCE CENTER

E-AD-10

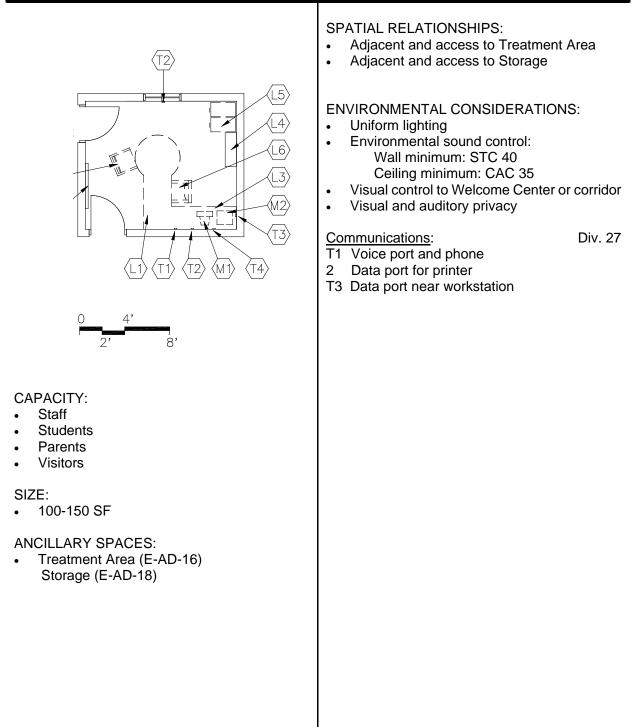


NOTES:

Loose furnishings and features shown represent one of many possible arrangements.

NURSES OFFICE

E-AD-15



NOTES:

^{1.} Loose furnishings and features shown represent one of many possible arrangements.

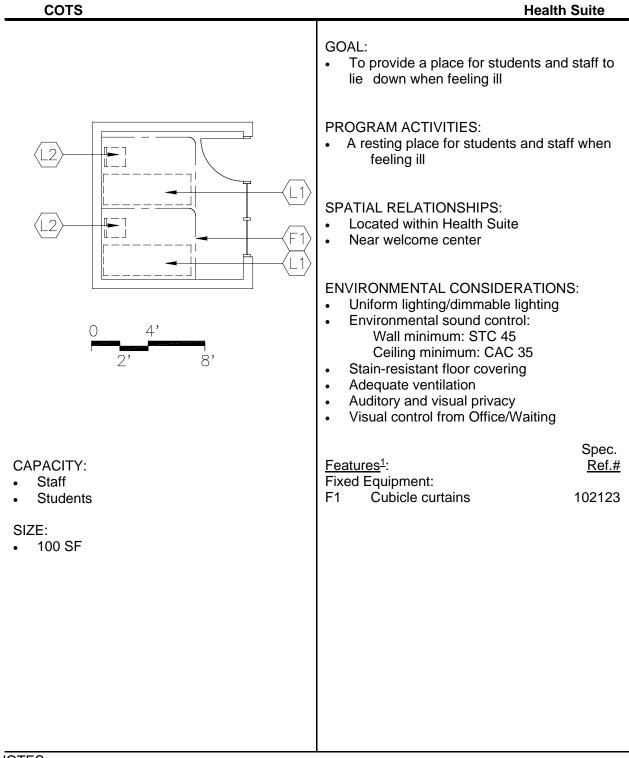
WAITING/TREATMENT AREA E-AD-16

OFFICE COTS TOILET WAITING / TREATMENT	 PROGRAM ACTIVITIES: First aid Consultation with students Health screening Medical treatments Medication administration Student resting while awaiting pick-up by parent or guardian ENVIRONMENTAL CONSIDERATIONS: Uniform lighting Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35 Stain-resistant floor covering Sink with hot and cold water Adequate ventilation Electrical outlets for equipment Locate away from rooms with copiers, interferes with hearing screening Auditory and visual privacy Visual control to Office/Waiting or Welcome Center
CAPACITY: 1 staff member/volunteer/nurse Students 	Spec. <u>Features¹</u> : <u>Ref.#</u> Fixed Equipment: F1 Casework:
SIZE: • 150 SF	Base/wall cabinets 123200 Place for refrigerator F2 Casework:
ANCILLARY SPACES: • Office (E-AD-15) • Cots • Storage	Tall storage123200F3Cubicle curtain102123F4Soap dispenser102800F5Towel dispenser102800TackboardTackboard
Communications: E T1 Voice port and phone T2 Data port	Div. 27 <u>Plumbing</u> : Div. 22 Plumbing connections Single sink w/hands-free gooseneck
NOTES:	<u>Electrical</u> : Div. 26 Duplex receptacles TVSS protected quad receptacle adjacent to each data port Single-level switching

Ν

Loose furnishings and features shown represent one of many possible arrangements. 1.

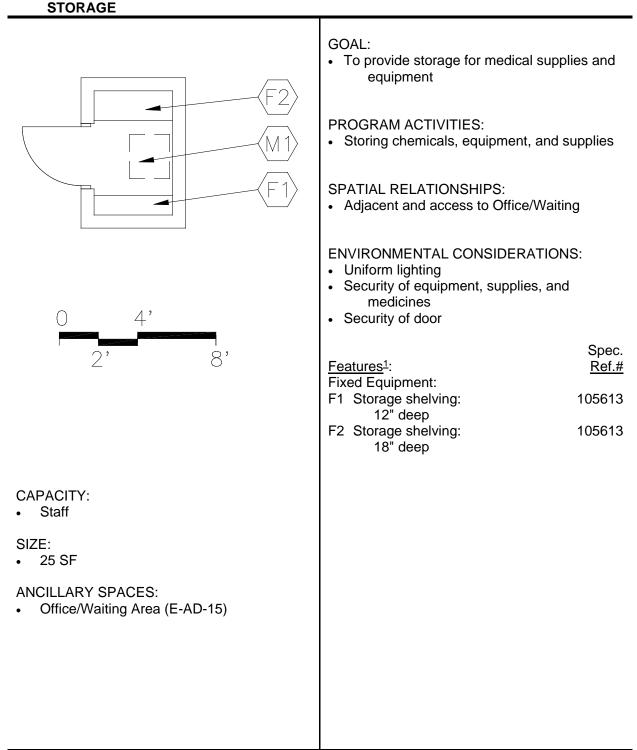
DAVIS SWING SCHOOL



NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements. Finishes/Features: Refer to Chapter 8 for specification references.

DAVIS SWING SCHOOL



NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

		DILET
$\langle F5 \rangle \langle F9 \rangle \langle F4 \rangle$	 PROGRAM ACTIVITIES: Personal and health needs for the health suite Changing clothing 	h
	SPATIAL RELATIONSHIPS:Located within Health Suite	
F1 F6 F2 F2 F2 F3	 ENVIRONMENTAL CONSIDERATIONS: Uniform lighting Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35 Moisture- and stain-resistant finishes Adequate exhaust/ventilation 	
(F8)	Spec. <u>Features¹:</u> Fixed Equipment:	<u>Ref.#</u>
0 4' 2' 8'	F1 Towel dispenser10F2 24" x 60" mirror10F3 Toilet tissue holder10F4 36" and 42" grab bars10)2800)2800)2800)2800)2800)2800
CAPACITY: • Students • Staff	F7 Sanitary disposal10F8 Coat hook10F9 Casework:10)2800)2800)2800
SIZE: • 50 SF	Wall cabinet 103200 <u>Plumbing</u> : Div. 22 Wall-mounted water closet	
ANCILLARY SPACES: N/A	Wall-mounted lavatory Plumbing connections Floor drain	

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

STAFF LOUNGE

		E-AD-21
	PROGRAM ACTIVITIES:	
	Staff dining	
	Relaxation	
	SPATIAL RELATIONSHIPS:	
	Near Academic Classrooms	
	 Access to Main Corridor 	
CAPACITY:	 May be divided among floors 	
• Staff		
U Ulan		
SIZE:	ENVIRONMENTAL CONSIDERATION	
Varies, see table		
• Valles, see lable	 Uniform lighting, appropriate to tas Environmental sound control: 	бК
Communications: Div. 2		
Voice port and phone	Ceiling minimum: CAC 40	
2 data ports	Electrical outlet for equipment	
	Windows to provide natural light, or	lesirable
	Spec.	
	<u>Features¹</u> :	<u>Ref.#</u>
	Fixed Equipment:	
	Casework:	
	Base/wall cabinets	123200
	24" x 60" mirror	102800
	Toilet tissue dispenser	102800
	36" and 42" grab bars	102800
	Soap dispenser	102800
	Towel dispenser	102800
	Shower curtain with rod	102800
	ADA shower accessories	102800
	Plumbing:	Div. 22
	Plumbing connections	
	Wall-mounted lavatory	
	Wall-mounted water closet	
	Floor drains - in restroom and	shower
0750		

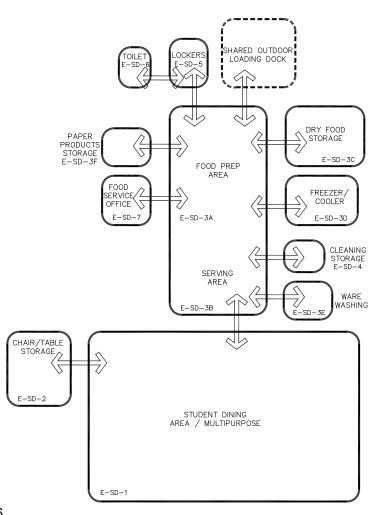
NOTES: 1. Loose furnishings and features shown represent one of many possible arrangements.

DAVIS SWING SCHOOL

Dinning and Food Services

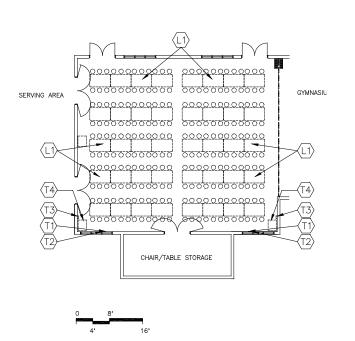
Spaces	S	uggested		Comments
	Qty.	S.F.	Total	
Student Dining Area/Multi- purpose	1	2250	2250	As is
Chair and Table Storage	1	200	200	
Food Prep	1	400	400	
Servery	1	300	300	
Dry Storage	1	150	150	
Freezer & Cooler	1	400	400	
Ware washing	1	75	75	
Toilet/Lockers	1	75	75	
Cleaning Storage	1	50	50	
Food Service Office	1	100	100	
Total			4000	

Comments: The overall total for the Dining and Food Services area may be + or - 15%.



E-SD-1

STUDENT DINING AREA/MULTIPURPOSE



CAPACITY:

- 150 students per lunch period
- 10 staff members
- Members of community (after hours)

ANCILLARY SPACES:

• Serving Area (E-SD-3B)

GOALS:

- To provide a pleasant atmosphere for students to eat meals
- To provide a flexible meeting space for groups if needed

PROGRAM ACTIVITIES:

- Student dining
- School and community programs
- Meetings and activities

SPATIAL RELATIONSHIPS:

- Adjacent and access to Serving Area
- Near Food Preparation Area
- · Near parking and entry to building

ENVIRONMENTAL CONSIDERATIONS:

- · Lighting appropriate to tasks
- Adequate ventilation
- Electrical outlets for equipment
- Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35
- Higher than normal ceiling height
- Cleanable building surfaces
- Windows to provide ample natural light
- Good sight lines to all areas of the room for supervision
- Window treatment to darken room for AV
 presentation
- Movable wall to allow the space to be divided into two spaces

TECHNOLOGY:

- Video port, motorized screen on stage
- Voice port and phone
- Data port for a teacher workstation
- Ceiling mounted for a projection device
- Infrastructure for audio system on stage

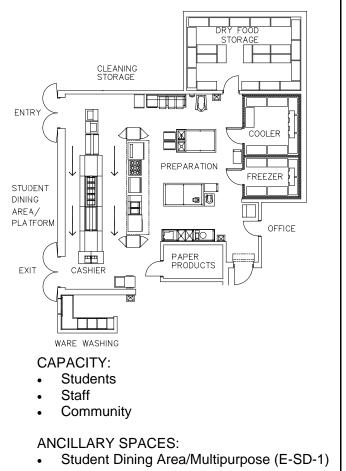
DAVIS SWING SCHOOL

KITCHEN

E-SD-3

This space consists of the fo	llowing areas:
Food Preparation Area	650
Dry Food Storage	225
Freezer	150
Cooler	250
Ware Washing	100
Paper Storage	100
Lockers	75
Toilet	50
Food Service Office	100
	1700

A space plate follows for each of these areas.



GOAL:

• To provide an area for the preparation of student and staff meals

PROGRAM ACTIVITIES:

- Prep food
 - Serve food
- Storage
- Point of sale

SPATIAL RELATIONSHIPS:

- Near loading dock to permit semi-tractor trailers access to docking and storage areas (site specific)
- Adjacent and access to Student Dining Area/Multipurpose
- Near dumpsters
- Cafeteria serving arrangement

ENVIRONMENTAL CONSIDERATIONS:

- Food service department, public health
- Durable flooring
- Proper ventilation of space to remove cooking odors
- Cleanable building surfaces

Hand sinks in each area of service, production, dishwashing, and serving.

Paper towel dispensers need to be uniform with the rest of the school for ordering purposes.

Soap dispensers need to be uniform with schools for ordering purposes.

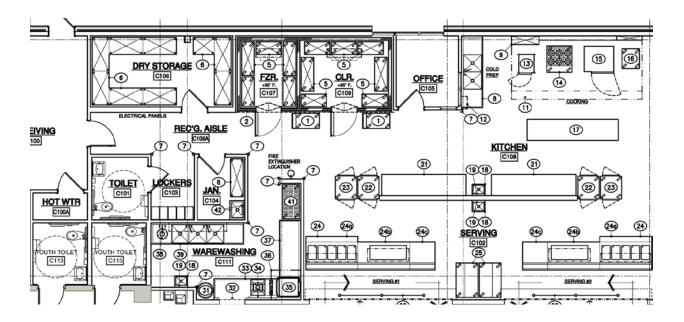
NOTES:

1. This is an example of a kitchen. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.

FOOD PREPARATION AREA

CAPACITY: • Staff	GOAL: • To prepare student meals
SIZE: • Varies, see table	PROGRAM ACTIVITIES: • Prepare food
	SPATIAL RELATIONSHIPS:Adjacent to Student Dining Area/MultipurposeOpen to Serving Area
	 ENVIRONMENTAL CONSIDERATIONS: Uniform lighting Proper ventilation of space to remove cooking odors Cleanable building surfaces Electrical/plumbing/mechanical connections for food service equipment Towel dispensers, Soap dispensers,

This is an example of a preparation area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.



DAVIS SWING SCHOOL

FOOD PREPARATION AREA

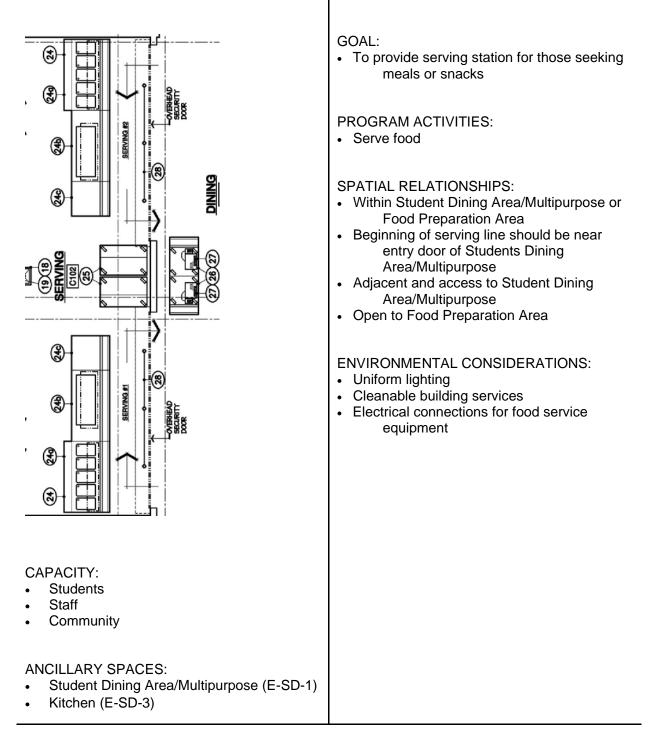
OOD PREPARATION AREA	
Finishes1:Spec.Ref.#	Spec.
Flooring:	<u>Ref.#</u>
Easy clean, non-slip flooring - Single	Fire Suppression: Div. 21
surface poured or rolled flooring	Fire suppression system
Base:	Plumbing: Div. 22
Resilient base 096519	Connections to food
	service equipment
Ceiling:	Plumbing and gas connections
Cleanable, suspended, acoustical 095113	Hand washing lavatory
	Floor drains
Walls:	Food preparation sink with adjacent trash
Epoxy-painted concrete masonry units	bin
Water areas of kitchen, eg. Dish room, pot	
sink area.	HVAC: Div. 23
042000 / 099123	Supply/return air system
	Independent temperature control
Features-(Specifications from	Kitchen canopy exhaust system
DCPS):	Air conditioning
Equipment:	C C
Pot washing sinks	Electrical: Div. 26
 Food Preparation Sinks 	Duplex receptacles
 Hand Sinks with adjacent trash bin 	Connections to food
Work Tables	service equipment
 Warming/Holding/Cabinets 	Single-level switching
 Refrigeration - Reach-ins 	Fluorescent lighting
Storage shelving	Illumination level: See Table 7600-16
 Mop washing sink 	Clock
 Lockable chemical storage 	Central sound system
 Exhaust Hood Systems, including Fire 	
Suppression	Communications:
Combi oven	N/A
Convection steamer	
 Range, with oven, convection base 	Electronic Safety and Security: Div. 28
 Ware Washing Machine with appropriate 	Life safety devices per code
accessories (tables, booster heater,	
disposer, etc.)	Miscellaneous:
	N/A

NOTES: 1. Finishes/Features: Refer to Chapter 8 for specification references.

DAVIS SWING SCHOOL

SERVING AREA

E-SD-3B



NOTES:

- 1. This is an example of a serving area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.
- 2. Loose furnishings and features shown represent one of many possible arrangements.

DAVIS SWING SCHOOL

SERVING AREA

E-SD-3B

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. Ref.#
Flooring:	<u></u>	Fixed Equipment:	<u>IXCI.#</u>
Quarry tile	093000	Drop-In Individually Controlled Heate	ed
-		Electric Food Wells, Full Service Sne	
Base:		Guard with overshelf may use existir	ng milk
Quarry tile base	093000	box or a new airscreen refrigerator for	or
		beverages. Size of equipment and	
Ceiling:	005440	number of are determined by space	
Cleanable, suspended, acoustical	095113	available. A Drop-In Self-Contained	d
Walls:		Refrigerated Cold Pan will also be	J
Epoxy-painted concrete masonry u	nits	included for side items. Counter and	
	/ 099123	sneeze guards are lower than norma better viewing and service to elemen	
0.2000	, 000120	students.	nary
Loose Furnishings:			
N/A		HVAC: [Div. 23
		Supply/return air system	
		Independent temperature	
Miscellaneous:		control	
Cash registers at end of service	9	Kitchen canopy exhaust system	
		Air conditioning	
		Electrical:	Div. 26
Fire Suppression:	Div. 21	Single-level switching	510.20
Fire suppression system	010.21	Fluorescent lighting	
		Illumination level: See Table 760	0-16
Plumbing:	Div. 22	Central sound system	
Connections to food service		Duplex receptacles along permanent	
equipment		perimeter walls	
Plumbing and gas connections		Electrical supply to support	
Hand washing lavatory		equipment specified	
Floor drains		Clock	
		Circuits for portable generator	
		TVSS protected quad receptacle	
		adjacent to data and video ports	
		Communications:	Div. 27
		T1 1 voice port and phone	
		T2 2 data ports at cash registers or p	er
		salad bar	
			Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

DAVIS SWING SCHOOL

PHYSICAL EDUCATION AND ASSEMBLY

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
PE/Assembly	1	3,000	3,000	As is
Stage	1	800	800	As is
Chair and Table Storage	1	200	200	
PE Storage	1	150	150	
PE Office	1	100	100	
Total			4,250	

DAVIS SWING SCHOOL

PE/Assembly Room	E-PE-1
PE/Assembly Room CAPACITY: 20-24 students per class Teacher Parents and community members for meetings Assemblies to accommodate at least 1/2 of the student body SIZE: As is ANCILLARY SPACES: P.E. Office (E-PE-2) P.E. Storage (E-PE-4) Stage (E-PE-5)	 PROGRAM ACTIVITIES: Athletic skills and leader games Adaptive physical education Student assemblies and programs Lectures/Teaching Community use SPATIAL RELATIONSHIPS: Near public restrooms, with easy access Access to outdoor physical education play areas May be adjacent to Student Dining Area with folding wall between Near visitor parking Located with easy access to rest of school, but must be able to close off area for security during evening activities Adjacent and access to P.E. Office Adjacent and access to Stage ENVIRONMENTAL CONSIDERATIONS: Uniform lighting Environmental sound control: Wall minimum: STC 50 Adequate sound control/acoustics
	 Adequate sound control/acoustics Clear height of 20' from floor to nearest obstruction Electrical outlets for equipment Drinking fountain in adjacent area Structure, lighting, and ducts designed not to trap P.E. balls Ceiling heights should be proportional to room volume

- <u>NOTES</u>:
 Loose furnishings and features shown represent one of many possible arrangements.
 This size space will not accommodate a full-size basketball court.

DAVIS SWING SCHOOL

PE/ Assembly Room

PE/ Assembly Room		
<u>Finishes</u> ¹ : Flooring: Wood strip flooring for athletic applications or Resilient athletic flooring	Spec. Ref.# 096466 096566	Features1:Spec.Fixed Equipment:Ref.#F1 Basketball backstops, adjustable height (ceiling hung or portable)116600F2 Operable partition, motorized102226F3 Chin-up bars116600F4 Volleyball standards116600
Base: Vented resilient base Ceiling: Painted exposed structure	096466 099923	Fire Suppression: Div. 21 Fire suppression system
on acoustical deck Walls: Painted concrete masonry units 042000 + Acoustical wall treatment		<u>HVAC</u> : Div. 23 Supply/return air system Independent temperature control
And/or sound absorbing concrete masonry units <u>Communications</u> : T1 Video/ T2 Voice port and phone T3 Microphone port T4 Intercom T5 Outside microphone ports/portable System (wireless mics) T6 Data port Jacks for sound system	042000 Div. 27	Electrical: Div. 26 Duplex receptacles TVSS protected quad receptacle adjacent to each data and video port Electrical connections to P.E. equipment where necessary Single-level switching High intensity discharge lighting Illumination level: See Table 7600-16 Means of egress lighting per code Clock Central sound system
Electronic Safety and Security: Life safety devices per code	Div. 28	Gymnasium sound system Provide wire guards on light fixtures and electrical devices

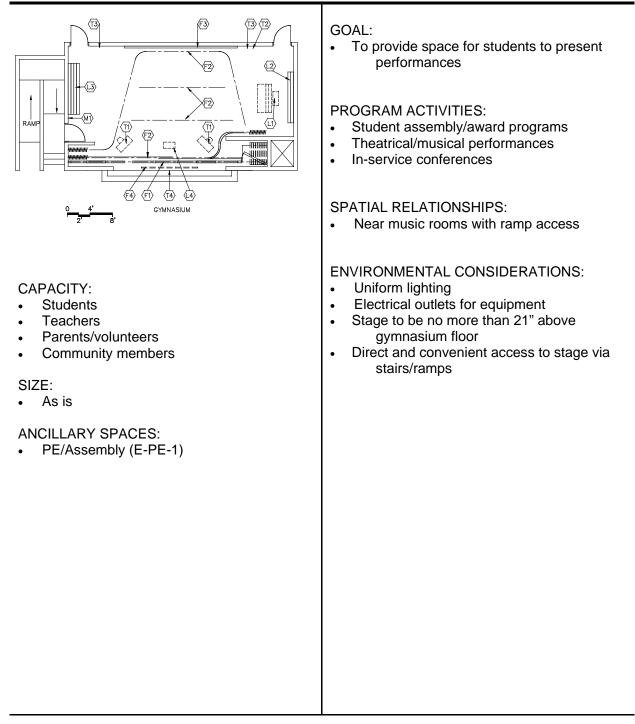
NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

DAVIS SWING SCHOOL

STAGE

E-PE-5



NOTES:

Loose furnishings and features shown represent one of many possible arrangements.

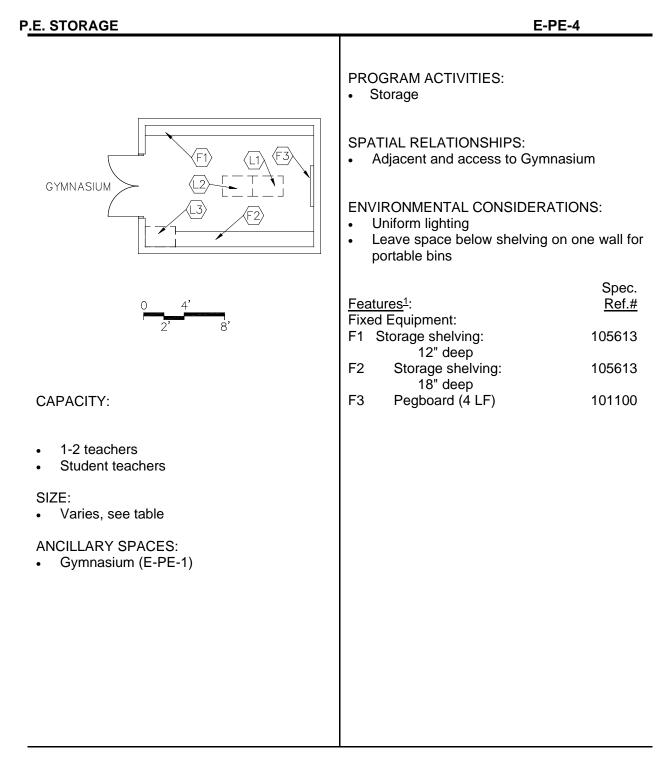
DAVIS SWING SCHOOL

STAGE E-PE-5

E-PE-5			
<u>Finishes¹:</u> Flooring: Wood strip flooring for athletic applications	Spec. <u>Ref.#</u> 096466	<u>Features¹:</u> Fixed Equipment: F1 Operable partition, manual	Spec. <u>Ref.#</u> 102226
Base: Vented Ceiling:	096466	F2 Theatre and stage equipmentF3 MirrorF4 Motorized projection screen	116143 088000 115213
Suspended, acoustical Or painted exposed structure Walls: Painted concrete masonry units	095113 099123	<u>Fire Suppression</u> : Fire suppression system	Div. 21
042000 / <u>Communications</u> : T1 2 video port, monitor, VCR, and bracket	/ 099123 Div. 27	Plumbing: Div. 22 Fire protection system	
 T2 Voice port and phone T3 2 data ports on stage T4 Data port in center of stage apron 		Electrical: Div. 26 Duplex receptacles 3 to be located in apron at front of stage TVSS protected quad receptacle adjacent to each data and video port Multilevel switching Fluorescent lighting Illumination level: See Table 7 Clock Adjustable lighting tracks for front center of stage, and back of stage Central sound system 1 microphone jack to be located in apron at front of stage	of stage,

NOTES: 1. Finishes/Features: Refer to Chapter 8 for specification references.

DAVIS SWING SCHOOL



NOTES:

Loose furnishings and features shown represent one of many possible arrangements.

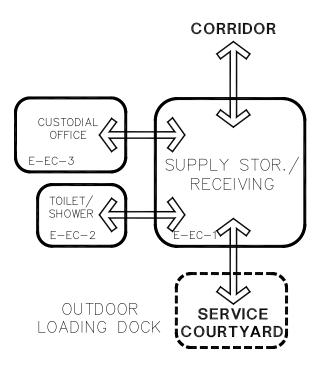
P.E. OFFICE	E-PE-2
	PROGRAM ACTIVITIES: • Ordering • Scheduling • Planning • Maintaining records • Meetings
	SPATIAL RELATIONSHIP:Adjacent and access to GymnasiumNear restrooms
$\begin{array}{c} \hline \\ \hline $	ENVIRONMENTAL CONSIDERATIONS: • Uniform lighting • Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35 • Electrical outlets for equipment • Windows to provide natural light, desirable • Auditory privacy Spec. <u>Features¹</u> : <u>Ref.#</u> Fixed Equipment: F1 Tack board (4 LF) 101100 F8 Coat hook 102800
CAPACITY: • 1-2 teachers • Student teachers	Communications:Div. 27T1Voice port and phoneT2Data port near teacher workstationT3Data port for printer
SIZE: • 250 SF	
ANCILLARY SPACES: • PE/Assembly (E-PE-1)	

NOTES: 1. Loose furnishings and features shown represent one of many possible arrangements.

ENGINEERING AND CUSTODIAN

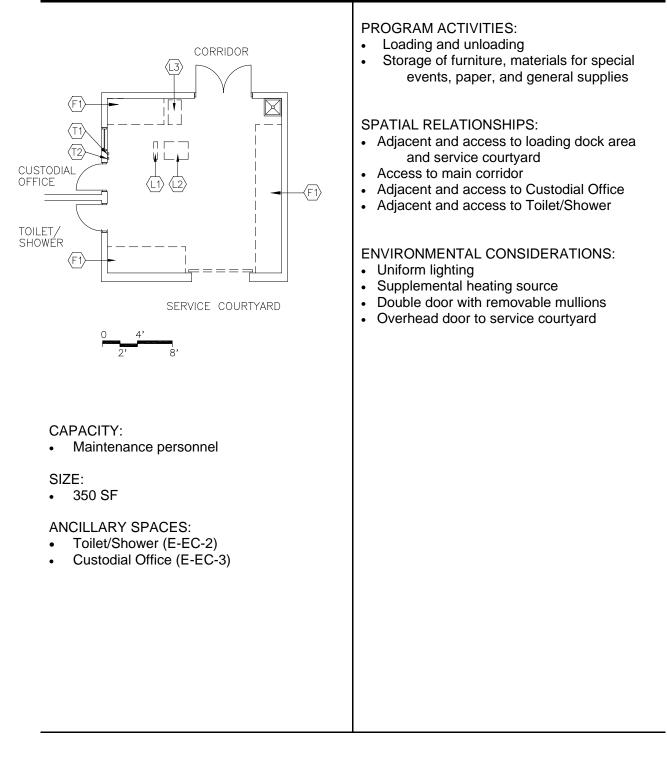
Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Supply Storage / Receiving	1	350	350	
Outdoor storage	1	150	150	
Custodial/Engineer Office	1	150	150	
Total			600	

Comments: The overall total for the Engineering and Maintenance area may be + or -5%.



SUPPLY STORAGE/RECEIVING

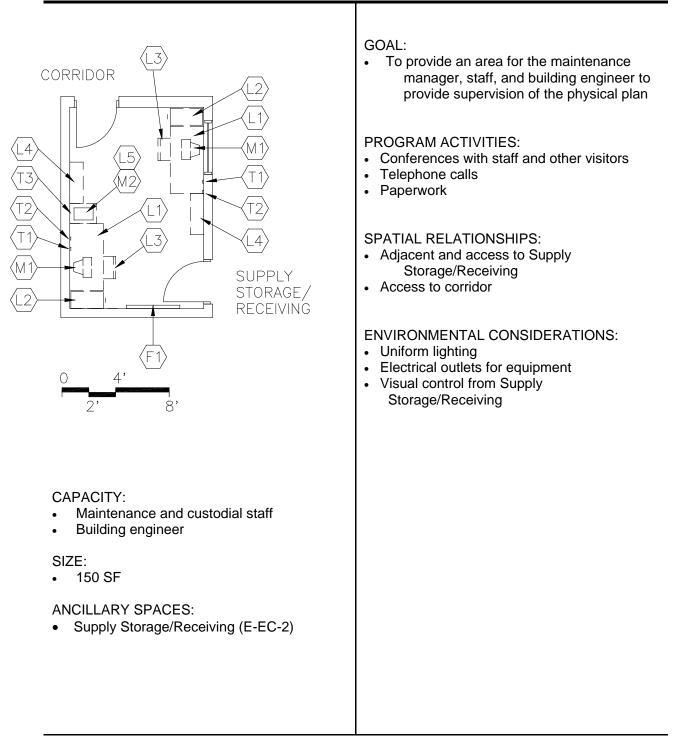
E-EC-1



DAVIS SWING SCHOOL

CUSTODIAL OFFICE

E-EC-3



DAVIS SWING SCHOOL

PLAYGROUNDS

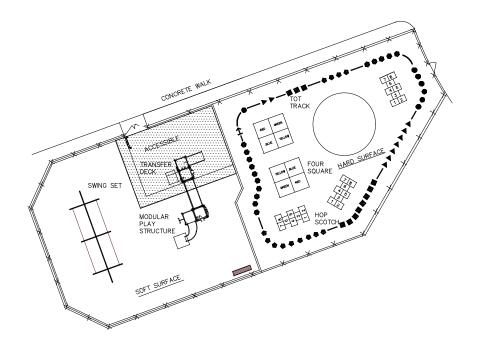
AREA REQUIRED

- 1. Provide playground areas to allow for difference in age, ability, and varying interests.
- 2. Follow applicable safety guidelines for different age groups.

Pre-kindergarten to grade 1 play area. See Figure B-1.

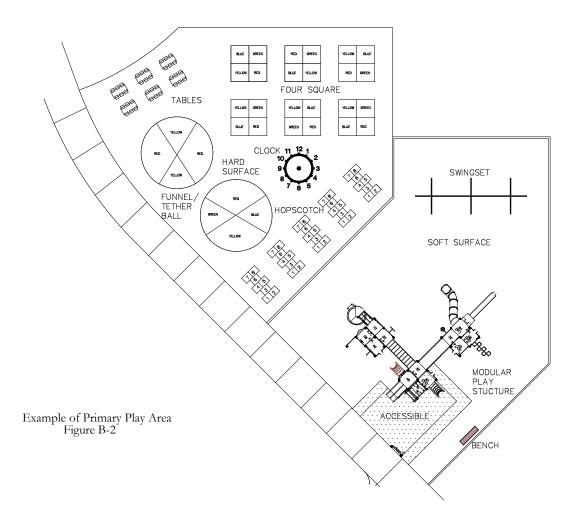
- a. Plan for play activities that include rocking, swinging, balancing, climbing, and sliding.
- b. Include tables and chairs for age group

c. Locate equipment with moving parts, such as swings, at the perimeter of the play area. Use fence or planting beds to prevent children from inadvertently stepping into path of moving equipment.



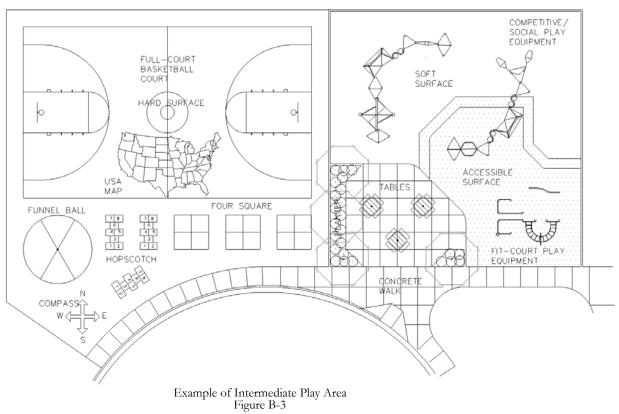
Example of Pre-kindergarten to Grade 1 Play Area Figure B-1

- a. Design for grades 1 through 3.
- b. Plan for play activities that include rocking, swinging, balancing, climbing, and sliding.
- c. Plan for upper-body strengthening devices such as a parallel bar and overhead ladder play equipment.



Intermediate Play Area (See Figure B-3)

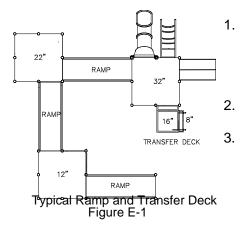
- Design for grades 4 and 5. a.
- Intermediate play area may be combined with primary play area and a 'tot track' designed b. around both play areas
- Include an outdoor science classroom that may include a garden. c.
- d. Plan for 1 full basketball court (50 feet by 84 feet) or 2 half courts (50 feet by 42 feet).



SOFT SURFACE PLAY AREA

- 1. Soft surfaces are provided under play equipment and must be handicapped accessible.
- 2. Surfacing is to be a poured polyurethane surface. Avoid using black surfacing.

ACCESSIBILITY STANDARDS



Plan for ramps and/or transfer points on composite play structures for access to play components on elevated decks. Meet the Americans with Disabilities Act guidelines for percentage of components that are to be accessible by ramp and by transfer deck. See Figure E-1.

- Provide table and benches along accessible route.
- Provide upper-body strengthening devices as appropriate for age group and amount of supervision.

See Design Guidelines for Site requirements for parking, circulation, etc.