



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

DRAFT

**Educational Specifications for
Marie Reed Elementary School Modernization
Feasibility Study
446 capacity**

June 2013



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District of Columbia Public Schools

THE VISION: To Make the Washington, D.C. School System Exemplary

THE MISSION: To Make Dramatic Improvement In the Achievement of All Students Today In
Preparation for Their World Tomorrow

CORE BELIEFS:

Children First

Parents Are Our Partners

Victory Is In the Classroom

It Takes A Village to Raise A Child

Leadership and Accountability Are the Keys to Our Success

School Improvement Team Members

DRAFT



Introduction

This document articulates the requirements for a modernized pre-kindergarten through 5th grade school. It describes the current and planned educational programs and services, the community characteristics that may affect facilities planning, and the opportunities and challenges associated with the design and construction.

Scope

It is the goal of the city of DC and DCPS to modernized all of its schools in the next 10 years. Although most projects will be phased over a period of years, some schools may not lend themselves to phased construction. Marie Reed is an open plan school that is integrated with several community partners. The building is inefficient and acoustically inappropriate for a school.

This study is intended to assess the feasibility of modernizing the existing Marie Reed building vs. constructing a new Marie Reed on the existing site. The architect will focus the study on the elementary school but assume that the current 'partners' will continue on site. In order to evaluate all options, this educational specification includes a discussion of and space needs for the partners.

Community

Marie Reed Elementary School is located in the Adams Morgan neighborhood. The name Adams Morgan, once hyphenated, is derived from the names of two, formerly segregated area elementary schools—the older, all-black Thomas P. Morgan Elementary School (now defunct) and the all-white John Quincy Adams Elementary School.

In the late 1960s, a group of residents from the Adams Morgan community organized and worked with city officials to plan and construct a new elementary school and recreational complex that was conceived as a community hub, a concept that 40 years later has become a favored one in public school facilities design. The development was named the Marie H. Reed Learning Center after Bishop Reed, a community activist, minister and leader. It featured a daycare center, tennis and basketball courts, a solar-heated swimming pool, health clinic, athletic field and outdoor chess tables.

Adams Morgan is a culturally diverse neighborhood with a large Latino community. In recent years, many young professionals with and without families have been moving into the neighborhood.



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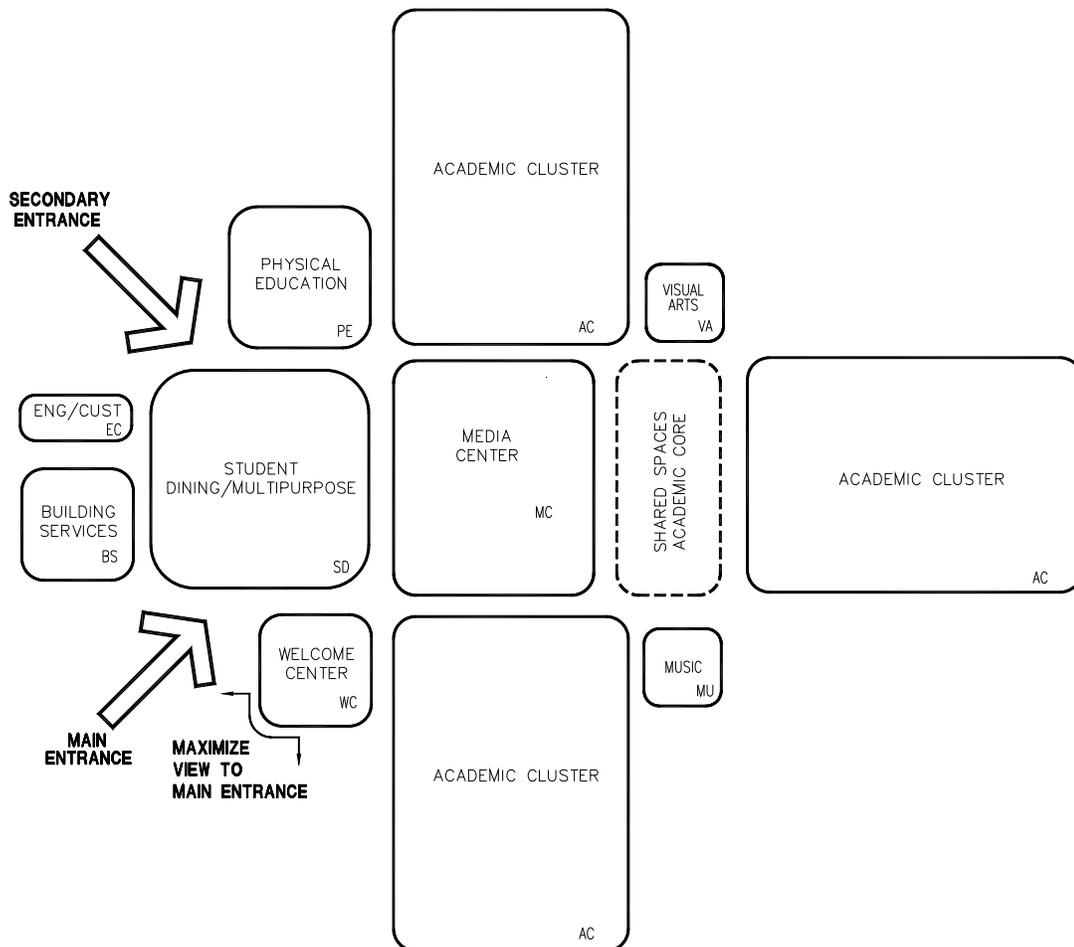
Overview of Planning Concepts

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.

Academic areas are located in the quiet areas of the building that can be isolated during the off-hours. Noisier areas are grouped near the parking and public areas and allow for after hours access. Diagram Intro A shows a typical design based on the cluster concept.

Diagram Intro A





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Core Instructional Spaces

The basic organizational cluster for this school should consist of general purpose classrooms, small group rooms, 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. Although it is assumed that the modernization will create walls to improve the acoustics, the school does not want the school to be 'corridors and boxes'. The staff enjoys the cooperative team-building that occurs in the common areas and wants some of these spaces to remain.

Special Education

Special education facilities will be integrated throughout the school to support the concepts of inclusion and the specialized requirements for the students. Special attention will be given to accessibility of all facilities and an integrated learning program.

Early Childhood Programs

It is the DCPS policy to offer 'universal' Prekindergarten programs (4 yr. olds) and strongly encourage all DC students to attend. All early childhood classes will allow for inclusion of students with special needs. The ECE classes eat breakfast and lunch in their rooms and may need additional support spaces for cleaning, refrigeration and laundry.

Instructional Methods

Instructional methods vary with grade level, but maintain continuity from early childhood through the primary, intermediate, and middle grades. Predominant elements include:

- Integrated learning, where content areas cross disciplines
- Flexible groupings: In primary grades, regrouping stays within the classroom. The intermediate and middle may change classrooms during the day.
- Mentoring of older to younger students
- Extended day learning opportunities
- Parent involvement and volunteer activities

“Welcome Area”/Administration

Immediately upon entry, visitors will be greeted in the “welcome area.” Signage (English/Spanish), transparency, and design should lead parents and guests thru security and to the main office.

The administrative offices will be located in this centralized area at the main entrance to the school.

Media Center

The media center serves a dual role – its traditional role as a gathering place for research and learning and a new role as a technological information base. In this new role, the media center may house a transparent voice/video/data network, which runs throughout the entire building. This network enables the transmission of media services to the desktops of teachers and students without physically entering the media center. This area is changing from a "depository of books" to a "high technology information distribution center." It is not projected that the library functions will discontinue, rather digital technology will enhance voice, video, and data communications within the school, among district facilities, and with distant learning resources.



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Visual Arts, Performing Arts and Science

The art, music, and science 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 and science classroom may be in the academic areas preferably on the ground floor with an optimal daylighting orientation. An outside patio and seating area will offer additional work, display, and performance opportunities.

The school has requested a garden area.

Physical Education

Currently the DC Department of Recreation manages the gymnasium and aquatic center (indoor and outdoor). They also schedule the tennis courts. The recreation center opens at 2:30 pm to operate only after the regular school day. The school uses these facilities exclusively during the school day. It is assumed that this will continue.

The feasibility study will assume two options 1) that the DPR facilities will be renovated as needed in the event the building is modernized 2) that the DPR facilities will be replaced in the event that the school is rebuilt. It is desirable for the recreation center to have a separate and clearly defined entrance that does not mix adult clients with the after school programs. The newer DPR facilities include a gymnasium, fitness center and 3-5 classrooms – approximate square footage of the center with the pool would be 30,000 SF.

Typical DPR Center for illustration only	Total	Comments
Gymnasium	8,500	Bleachers one side
• Storage	300	
Fitness Room	900	
Activity Rooms		
• Computer	600-800	
• Games	600-800	
• Arts and crafts	600-800	
• Senior	600	
Multi-purpose w/ kitchen	1,600	Includes 100 SF chair storage
Administration		
• Reception and lobby	400	
• Storage	100	
• Office	250	w/ staff toilet
• First Aid center	100	
Pool, lockers, offices. mechanical	14,000	
Maintenance & Custodial Services	200	
Mechanical, Electrical, Toilets, Custodial Closets	Varies	



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The field is scheduled for an artificial turf replacement. The seating area should be replaced with a durable and safe alternative.

Community Use

It is assumed that the community will continue to use the building for recreation, meetings and educational functions. Security during these times is important. The architect will note both active and passive security measures.

Cafeteria

This area will be used for student dining, performances, assemblies, and community meetings. It is proposed through creative design that this area will effectively house multiple functions. The room should have a movable wall (1/3 – 2/3). The kitchen and serving lines should be adjacent to the dining area.

Performance Area

The school currently has a performance area that can seat up to 300 students. This area should be treated acoustically and the stage area supported with sound and lighting. Under a new school open this space should have a flat floor with telescoping seating. It should be in the 'public' area of the building.

Special Features

Corridors and Commons Spaces

The front entry lobby should be welcoming and inviting for students, staff, and visitors. Extensive 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.

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. A list of recommended equipment will be provided by OPEFM.

Technology

The facility will contain the latest in technology and be wired for voice, data, and video throughout the building. The program design is intended to bring information to the desk of the student, and computer technology will be distributed in every classroom. It is intended that access to technology will be seamless and pervasive throughout the building.



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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.

Handicapped Accessibility

The entire facility will be accessible for students, staff, and visitors. This will be accomplished through judicious use of ramping and elevators with sufficient internal clearances for circulation, convenient bus/van loading and unloading, and nearby handicapped parking spaces. All elements of the Americans with Disabilities Act must be complied with, including wayfinding and signage, appropriate use of textures, and universal accessibility of all indoor and outdoor school facilities.

Site

The site circulation will be organized for safety and efficiency. This will be accomplished through careful separation of vehicular and pedestrian traffic. Sufficient stacking space (Kiss and ride) will be provided to prevent congestion of busy streets. There should be drop-off space for the school and the daycare.

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. The site has many isolated areas that make supervision difficult to impossible. A new site plan is sorely needed that will allow for better maintenance and security.

There is an army Corp of Engineers facility in the middle of the site that must remain.

School Based Partners

The school has many non-profit partners who work with children both during and after the school day. They share spaces with the day program but need some office and storage space.

DC Scores program was founded at Marie Reed Elementary School. Students join a soccer team that focuses on self-expression through literature and scoring goals. Students prepare for an end-of-the-season poetry slam competition through writing and speaking tutorials conducted by the writing coordinator. In addition to exploring the writing process, students develop a deeper understanding of themselves through written expression.

- Grades 3-5
- Soccer 2 days and literacy 2 days after school
- 6 weeks summer arts program
- Use outside facilities and cafeteria
- Dream - Small office, storage, improvements to site to include seating area for field and shade

Georgetown University DC Schools Project works one-on-one with many English as a Second Language (ESL) students twice a week and concentrates on reading and math skills

Spanish Tutorials at Marie Reed are a new academic service that works with students in the dual-language program to help them achieve Spanish Language proficiency. Students receive tutorials three times a week.



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Marie Reed is the host site for the Ward One Higher Achievement Program. HAP provides accelerated learning opportunities for high-achieving students in grades 5-8. HAP is an independent program that partners with Marie Reed, and includes Reed students who apply and are admitted.

- o Grades 5-8 (80-90 students)
- o After school and summer program
- o Use 4-8 Classrooms
- o Dream – Storage (lockable), office, teaching garden, gazebo, bulletin boards, alcoves, amphitheater – lighting, kitchen

Everyone Wins

- o Lunchtime mentored reading program
- o Use library and classrooms, amphitheater
- o Dream – kitchenette, storage, soft seating and task lighting

Reading Partners (TBD)

Other Site-Based Partners

Health Clinic

In addition to the recreation center, there is a community health clinic that is open all day and provides medical, dental, and behavioral/social services to the neighborhood. The clinic is currently in approximately 7,000 SF and shares space with a WIC program. It maintains a separate entrance and self-contained space on the site. However, the school space is over the health clinic. The current provider is Community of Hope, a non-profit that recently opened a 50,000 SF facility in Southeast Washington DC. Ideally the clinic would like to expand.

The architect should assume that this clinic will continue 1) as is 2) in a larger space (for this test fit assume 20,000 SF). The clinic would like a more visible 'storefront' entrance.

Daycare

A daycare operates at the same level as the health clinic in approximately 1,500 SF. The space is small and needs more support areas. The play area is not age appropriate and there is no parent drop off area. The current provider is UPO, a non-profit that is located in many DCPS facilities. The contractor would like walls and larger improved space.

The architect should assume that this clinic will continue 1) as is 2) in a larger space (for this test fit assume 3,000 SF).



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Environmental 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) Artificial Light	35-50 Foot-candles	IES

Environmental / Air Quality: 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 outdoor air	ASHRAE 62.1-2007
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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Technology: Providing data connections for online learning resources, AV equipment, closed-circuit televisions, and a sound system with emergency capabilities.

DESIGN PARAMETERS PARAMETER NOTES	
1) Data / Computer Drops	At Teacher and Student Computers at wireless access points for mobile cart
2) Audio / Video Equipment	
Projector linked to Teacher's PC	
Video Format Screen	
Digital DVD/VCR/Tuner	
Interactive Whiteboard	
Sound Reinforcement	Amplifier, microphone, speakers
3) Clock	Synchronized with Bell system
4) Sound System & Emergency Call-box	
Ceiling or Wall Speaker	Class change bells, emergency announcements
5) CCTV Camera	
Security, WebX conferencing, Distance Learning	

Furniture: Providing adaptable and flexible furniture systems, mobile media systems, and mobile media carts.



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

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



Energy and Environmental Design

There is a high interest in using the LEED certified school building as a teaching tool to teach environmental stewardship and awareness, while simultaneously providing an engaging environment for students, staff, and community who use the facility.

The organization, understanding and use of a building will have a major impact on student and staff conservation behavior.

The sustainable design and green features of the building can be addressed in an active or a passive manner: active interaction is based on digital displays, educational features and curriculum integrated learning about environmental issues; passive interaction is based on the program design, building configuration, green building features, and energy efficient building automation.

Passive Concepts

1. Building Layout

- Concentrate daylight and views to the outside to areas of frequent human interaction (e.g. classrooms, cafeterias, media center, art rooms, music rooms) with passive solar design
- Avoid excessive window areas in corridors, lobbies, hallways with no gathering opportunities (design for less than 45% of wall area)
- Avoid skylights and use roof monitors with vertical glazing instead

2. Types of Building Materials

- Use durable wall surfaces that are easy to clean
- Design for cleanability with easy and safe access
- Incorporate light colored pitched roofs to prevent heat gain and leakage
- Install high performance walk-off mats at all points of entry
- Design with noise minimization in mind

3. Uses of Technology

- For instructional and administrative purposes, the new school should have extensive technology systems. These same infrastructures and technology components can be used to enhance the perception of the buildings environmental components. Digital display of buildings energy and water use at entrance and in cafeteria
- Website with environmental features of the school
- Use only vacancy sensors for classrooms, cafeteria etc. to turn off (not on) lighting
- Daylight sensors and dimming in larger areas (cafeteria, multi-purpose etc.)

4. Vehicular and Pedestrian Traffic

- Provide sufficient, covered and secured bicycle storage
- Provide bicycle lanes to building from all major access directions

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

- Use native high trees and low bushes and ground covers and locate to provide shade to the building



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- Non-intrusive lighting of all areas (not correctional-type lighting) according to the Light Pollution Credit in LEED-S with no lighting to leave property line

6. Green Curriculum

- Provide outdoor classroom
- Design interior with sense of buildings orientation to North – East – South - West

Active Concepts

1. Building Layout

- Provide signage to educate users about interior and exterior green building features throughout
- Provide signage for user behavior modification, e.g. DCPS policy for thermostat settings, reminders to turn equipment off when not in use
- Provide visitor map with floor plan for location and explanation of green building features

2. Types of Building Materials

- Provide view window to inside of wall constructions and mechanical room
- Provide materials with environmental message in selective areas, e.g. 100% recycled post consumer plastic toilet compartments, wheatboard cabinets, or furniture made of wood harvested from school site, and explain with signage.

3. Uses of Technology

- For instructional and administrative purposes, the new school should have extensive technology systems. These same infrastructures and technology components can be used to enhance the perception of the buildings environmental components.
- Green morning announcement with update on energy and water use
- Student conducted energy audits
- School based resource conservation program with frequent feedback to users

4. Vehicular and Pedestrian Traffic

- Provide preferred parking for DCPS Green Fleet (for carpooling and fuel efficient vehicles)

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

- Design for no-mow areas
- Design for student garden
- Provide solar or wind powered, off the grid site lighting as demonstration model for select areas

6. Green Curriculum

- LEED credit Schools as a Teaching Tool requires 10 hours of instruction per student, grade and school year on environmental issues related to the school building. The school buildings design should support this requirement wherever possible.



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Proposed Capacity

Room Use			
Grade	Number of	Capacity (Program)	Total
	Classrooms		
Pre-K /Pre-S	6	18	108
Kindergarten	3	20	60
1st Grade	3	20	60
2nd Grade	3	20	60
3rd Grade	3	23	66
4th Grade	2	23	46
5th Grade	2	23	46
Special Needs (Resource)	2	10	0
Total	24		446



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Building Space Summary

Space Summary	Total
Core Academic/Special Education Areas	30,925
Media Center	3,050
Visual Art, Music and science	6,350
Physical Education (w/ Recreation Center)	0
Administration	3,325
Student Dining & Food Service	4,100
Maintenance & Custodial Services	700
Mechanical, Electrical, Toilets, Custodial Closets	15,504
Total Net	63,954
Construction Factor[.082]	4,879
Total Gross	69,592

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 Gazebo
Green area for garden/environmental programs
Faculty, Staff, and Visitor Parking (35-53 spaces)



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Core Academic Area Space Requirements

Spaces	Suggested			Comments
	Quantity	S.F.*	Total	
Pre-Kindergarten Classroom	6	1,175	7,050	Includes 50 sf toilet and 100 sf storage closet
After Care Closet	1	150	150	
Cluster commons	1	400	300	
Kindergarten Classroom	3	1,175	3,525	Includes 50 sf toilet and 100 sf storage closet
Grade 1 Classroom	3	900	2,700	
After Care Closet	1	150	150	
Cluster commons	1	400	300	
Grade 2 Classroom	3	900	2,700	
Grade 3 Classroom	3	900	2,700	
After Care Closet	1	150	150	
Cluster commons	1	400	300	
Grade 4 Classroom	2	900	1,800	
Grade 5 Classroom	2	900	1,800	
After Care Closet	1	150	150	
Cluster commons	1	400	300	
Instructional Coaches/Resource	4	300	1,200	
Support Offices	3	150	450	Social worker, Psychologist, testing
Speech Room	1	200	200	
Special Needs Resource	2	600	1,200	Primary and Intermediate
Special education Suite			0	
• Office	2	150	300	
• Conference rm.	1	300	300	
Occupational /Physical Therapy	1	450	450	50 sf of storage
Storage	3	300	1200	Primary, Intermediate
Workroom/Teacher Office	2	375	750	
Collaboration Rm	1	800	800	
Total			30,925	

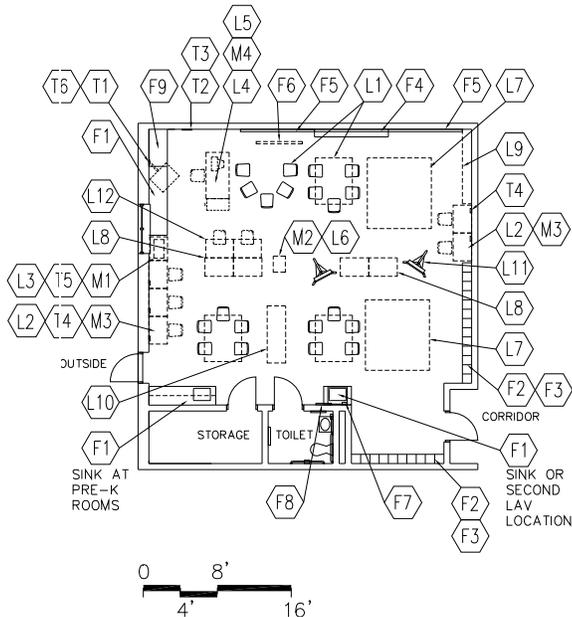
Tolerances of + or – 5-15% are acceptable as is the combination of spaces within a suite. Adjacencies as specified are desirable, but options may be considered and should be reviewed with the planning team.

The school has a large after care program that takes place in classrooms. To make the transition, teachers need a place to store the supplies and equipment for the afterschool program.



PRE-K-S / KINDERGARTEN

E-ACA-1A



CAPACITY:

- Teachers
- 20 students (HS/PK/K)
- Parents/other staff

SIZE:

- 1,175 SF

ANCILLARY SPACES:

- Pre-K/Kindergarten Restroom E-ACA-16 (50 SF)
- Storage closet (100 SF)

SPATIAL RELATIONSHIPS:

- See illustration
- Near Workroom/Teacher Office
- Group classrooms for potential teaming
- Locate coat cubbies near door
- Locate at first floor for emergency evacuations, if possible

GOALS:

- To foster self-discipline, independence, and responsibility
- To help children develop positive concepts about themselves and their capabilities
- To encourage and develop independent thinking and good work habits
- To develop language as a tool of learning and as a means of communication
- To provide and develop fundamental academic, social, emotional, physical, and thinking skills

PROGRAM ACTIVITIES:

- Whole group
- Teacher directed
- Small group
- One-on-one instruction
- Cooperative learning
- Discovery
- Language Arts
- Inquiry

ENVIRONMENTAL CONSIDERATIONS:

- Windows to provide natural light and egress
- Adequate ventilation
- Electrical outlets for equipment
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
 - Reverberation Time: .4-.6 seconds
- Uniform lighting
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Consider placement of one-way mirrors to observe Early Childhood students from adjacent space – A small observation room could be placed between each pair of classrooms with visual access to both rooms
- Window treatment to darken room for AV presentation

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Locate sink at chase wall of restroom (or in close proximity)
3. Locate restroom chase as close to corridor as possible to minimize pipe runs
4. Where rooms are paired provide two lavatories with joint access (not including sink in casework).



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PRE-K - S / KINDERGARTEN

E-ACA-1A

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Rubber tile	096519/096816	F1 Casework:	123200
<u>Base:</u>		Base/wall cabinets by sink	
Resilient base	096519	Sturdy shelving on 3 walls in storage area	
<u>Ceiling (9' high minimum):</u>		F2 Carpentry:	
Suspended, acoustical	095113	Student cubbies (24) 064123	
<u>Walls:</u>		F3 Casework:	
Painted concrete masonry units or dry wall	042000/099123	Wall shelving (24 LF- H 30-32") 123200	
<u>Loose Furnishings:</u>		F4 Marker board (2 walls)	101100
L1/ 25 stackable chairs, 3-5 tables		16 LF primary/8 LF secondary	
L2 3-5 computer stations; 1 printer		F5 Tack board flanking marker boards	
L4 Teacher work station w/ mobile storage and 2 chairs		Plus two (2) parallel rows of continuous tack strips on all available walls (4 LF or longer) at 30" and 48" AFF	
L5 Four-drawer file cabinet		F6 Manual projection screen	
L6 Adjustable audio-video cart – teacher use		(60"X60") 115213 ³	
L7 Bound carpet rug		F7 Soap dispenser	102800
Cots and carrier		F8 Towel dispenser	102800
L8 Mobile shelving (various)		F9 Casework: Wardrobe (18"X18")	123200
L9 Bookshelves (open or closed)		<u>Fire Suppression:</u>	
L10 Mobile tote tray storage		Fire suppression system	
L11 Learning center sets such as sand/water tables, kitchen, child-height dining, dress-up center, art cart, easels, listening center, and blocks.		<u>Plumbing:</u>	
<u>Communications:²</u>		Sink with drinking fountain	
T1 Video port, monitor, VCR/DVD, and brackets	Div. 27	Plumbing connections	
T2 Voice port and phone		Wall-mounted watercloset	
T3 Data port near teacher workstation		Wall-mounted lavatory	
T4 5 data ports for student use		<u>HVAC:</u>	
T5 Data port for printer		Supply/return air system	
T6 Cable/MATV port		Independent temperature control	
Central sound system		Exhaust air system (toilet)	
Clock		<u>Electrical:</u>	
<u>Miscellaneous:</u>		Duplex receptacles	
M1 Printer		3 per primary teaching wall	
M2 Projection device	Div. 27	At least 2 per other walls	
M3 3-5 computers for students use		TVSS protected quad receptacle adjacent to each data and video port	
M4 Computer for teachers use		Multilevel switching	
Audio enhancement equipment		Fluorescent lighting	
		Illumination level: See Table 7600-16	

NOTES:

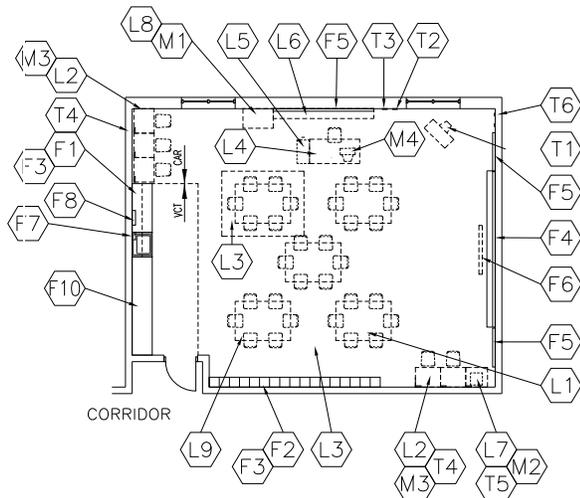
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.
3. Delete if digital white board is installed.



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

GRADES 1-5 CLASSROOM (include special needs classrooms)

E-ACA-2



SIZE:

- 850 SF to 950 SF

CAPACITY:

- 20-22 students (1st –2nd)
- 24 students (3rd – 5th)
- 15 (special needs)
- 1 teacher
- Staff members
- Guest speakers/volunteers

GOAL:

- A flexible space to accommodate any of the core academic disciplines

PROGRAM ACTIVITIES:

- Large group instruction
- Small group instruction and group work
- Classroom work/lectures
- Computer instruction
- Team teaching
- Oral presentations
- Group and teamwork activities
- Testing

SPATIAL RELATIONSHIPS:

- Near main Corridor
- Near Media Center
- Near Workroom/Teacher Office
- 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: .4-.6 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 presentations

NOTES:

1. Lose furnishings and features shown represent one of many possible arrangements.
2. Storage closets should be combined with adjacent Teacher Office/Workroom
3. Classroom layouts should be opposite hand allowing sinks to be back to back.



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

GRADES 1-5 CLASSROOM

E-ACA-2

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u> Rubber tile flooring	096519	<u>Fixed Equipment:</u> F1 Casework:	123200
<u>Base:</u> Resilient base	096519	Base/wall cabinets by sink Sturdy shelves on 3 walls in storage area F2 Carpentry:	064123
<u>Ceiling (9' high minimum):</u> Suspended, acoustical	095113	F3 Casework: Wall shelving (24 LF- H 30-32")	123200
<u>Walls:</u> Painted concrete masonry units	042000/099123	F4 Marker board (2 walls) 16 LF primary/8 LF secondary	101100
One tackable wall surface	101100	F5 Tack board flanking marker boards Plus two (2) parallel rows of continuous tack strips on all available walls (4 LF or longer) at 30" and 48" AFF	101100
<u>Loose Furnishings:</u> L1 5 tables or 24 student desks (see Furniture Standards)		F6 Manual projection screen (60"X60")	115213 ³
L2 3-5 computer workstations and chairs – student use		F7 Soap dispenser	102800
L3 Bound carpet rug (thru Grade 2)		F8 Towel dispenser	102800
L4 Teacher workstation with mobile storage and 2 chairs		F9 Casework: Wardrobe (18"X18")	123200
L5 Four drawer file cabinet		<u>Plumbing:</u> Div. 22 Sink with drinking fountain Plumbing connections	
L6 Adjustable height bookshelves		<u>HVAC:</u> Div. 23 Supply/return air system Independent temperature control	
L7 Printer table		<u>Electrical:</u> 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 Fluorescent lighting Illumination level: See Table 7600-16 Clock Central sound system	
L8 Adjustable audio-video cart- teacher use			
L9 22/24 student chairs Wastebasket			
<u>Communications²:</u>	Div. 27		
T1 Video port, monitor, VCR/DVD, and brackets			
T2 Voice port and phone			
T3 Data port near teacher workstation			
T4 3-5 data ports for student use			
T5 Data port for printer			
T6 Cable/MATV port Electronic white board			
<u>Electronic Safety and Security:</u>	Div. 28	<u>Miscellaneous:</u>	Div. 27
Life safety devices per code		M1 Projection device on cart	
		M2 Printer	
		M3 3-5 computers for student use	
		M4 Computer for teacher use Audio enhancement equipment	
<u>Fire Suppression:</u>	Div. 21		
Fire suppression system			

NOTES:

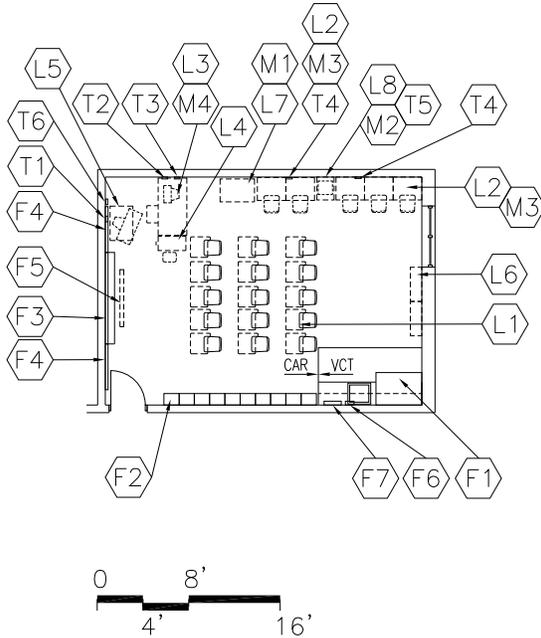
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.
3. Delete where a digital white board is installed.



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

INSTRUCTION COACHES/RESOURCE

E-ACA-4



CAPACITY:

- Up to 15 students
- 2 or more staff members

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOAL:

- To provide a safe and comfortable learning environment for students with unique learning challenges

PROGRAM ACTIVITIES:

- Small group work
- Independent instruction and work

SPATIAL RELATIONSHIPS:

- Located within Academic Core areas
- Near Storage
- Ingress/egress to the building which allows for special transportation pick-ups

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Windows to provide natural light and egress
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
 - Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Window treatment to darken room for AV presentation

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 Sink shall be located with close proximity to corridor.



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

INSTRUCTIONAL COACHES

E-ACA-4

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Rubber tile	096519	F1 Casework:	123200
		Base/wall cabinets and shelving	
Base:		Paper storage cabinets	
Resilient base	096519	F3 Marker board (8 LF)	101100
		F4 Tack board (8 LF minimum)	101100
Ceiling (9' high minimum):		F5 Manual projection screen	115213
Suspended, acoustical	095113	F6 Soap dispenser	102800
		F7 Towel dispenser	102800
Walls:		F8 Casework:	
Painted concrete masonry units or dry wall		Wardrobe	123200
	042000/099123		
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
L1 15-18 student desks or 3-4 work tables		Fire suppression system	
w/ 15-18 chairs			
L2 3-5 computer workstations and chairs		<u>Plumbing:</u> Div. 22	
L3 Teacher workstation and chair		Plumbing connections (optional)	
L4 Four-drawer file cabinet		Sink with drinking fountain	
L5 Mobile shelving			
L6 Adjustable height bookshelves (20 LF)		<u>HVAC:</u> Div. 23	
L7 Audio visual cart for teacher use		Supply/return air system	
Wastebasket		Independent temperature	
		Control	
<u>Communications²:</u>	Div. 27	<u>Electrical:</u> Div. 26	
T1 Video port, monitor, VCR/DVD,		Duplex receptacles	
and brackets		3 per primary teaching wall	
T2 Voice port and phone		2 per other walls	
T3 Data port		TVSS protected quad receptacle	
near teacher workstation		adjacent to each data and	
T4 3 data ports		video port	
for student use		Fluorescent lighting	
T5 Data port for printer		Illumination level: See Table 7600-16	
T6 Cable/MATV		Multilevel switching	
		Clock	
		Central sound system	
<u>Miscellaneous:</u>		<u>Electronic Safety and Security:</u>	Div. 28
M1 Projection device on cart	Div. 27	Life safety devices per code	
M2 Printer			
M3 3-5 computers for student use			
M4 Computer for teacher use			

NOTES:

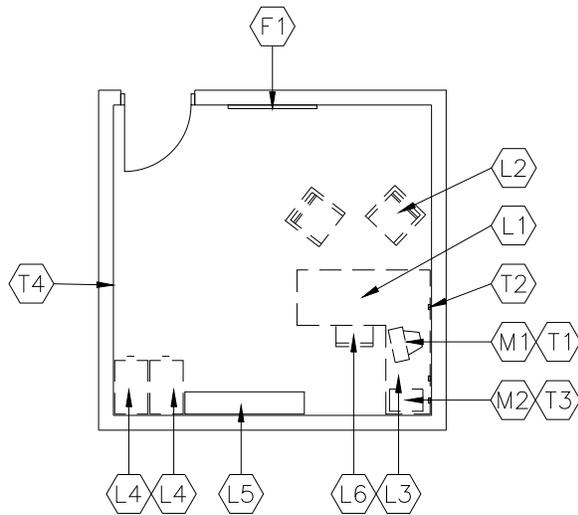
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to Educational Specifications – Technology, Section 1240.



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

ALL OFFICES

M-AC-10



CAPACITY:

- Counselors
- Students and parents
- Staff
- Teachers
- ESL instructors
- Psychologists
- Social workers

SIZE:

- 75-150 SF

GOAL:

- To provide counseling and other student support services that are easily accessible to students, parents, staff, and the community

PROGRAM ACTIVITIES:

- Counseling for parents and students
- Administrative paperwork
- Environment and orientation of new students
- Office space for itinerant staff

GOAL:

- To provide counseling and other student support services that are easily accessible to students, parents, staff, and the community

PROGRAM ACTIVITIES:

- Counseling for parents and students
- Administrative paperwork
- Environment and orientation of new students
- Office space for itinerant staff

SPATIAL RELATIONSHIP:

- Within Academic Core areas

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Windows to provide natural light, desirable
- Auditory privacy

Finishes¹:

	<u>Ref.#</u>
Flooring:	
Rubber tile	096516
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted gypsum wallboard over metal studs	092116/ 099123

Loose Furnishings:

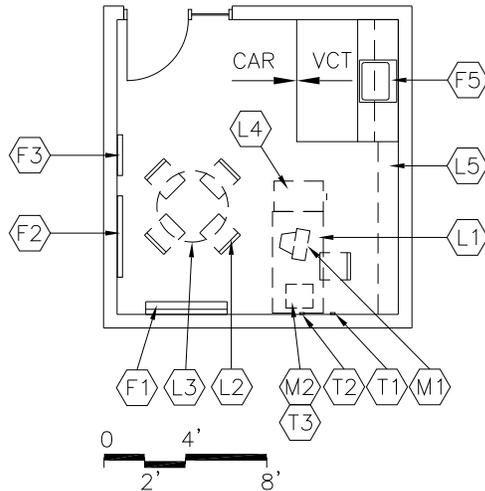
L1	Desk and chair
L2	Visitor chairs
L3	Small table
L4	Four-drawer file cabinet
L5	Adjustable height bookshelves (12 LF) Wastebasket



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

SPEECH ROOM (other small group rooms)

E-ACA-6



CAPACITY:

- 1-3 students
- 1-2 staff

SIZE:

- 200 SF

GOAL:

- To provide private training for students

PROGRAM ACTIVITIES:

- Group and individual practice
- Student assessment

SPATIAL RELATIONSHIPS:

- Near Academic Core areas
- Near Special Needs Classroom

GOAL:

- To provide private training for students

PROGRAM ACTIVITIES:

- Group and individual practice
- Student assessment

SPATIAL RELATIONSHIPS:

- Near Academic Core areas
- Near Special Needs Classroom

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35

Finishes¹:

	<u>Ref.#</u>
Flooring: Carpet	096816
Base: Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted gypsum wallboard over metal studs	092116/ 099123

Loose Furnishings:

L1	Desk and chair
L2	Visitor chairs
L3	Small table
L4	Four-drawer file cabinet
L5	Adjustable height bookshelves (12 LF) Wastebasket

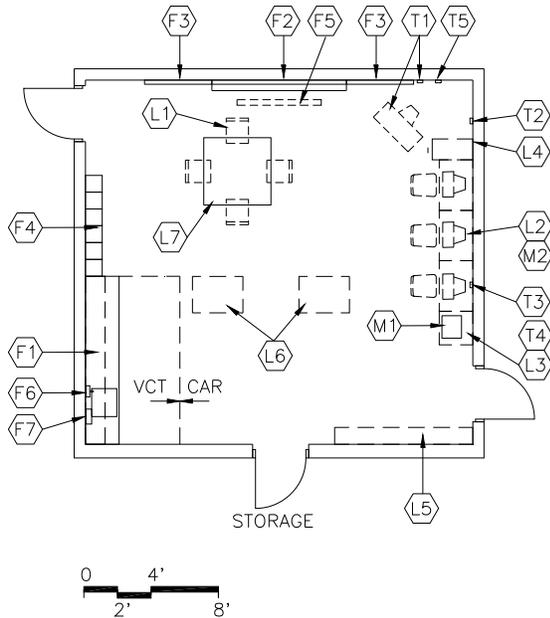
Features¹:

	<u>Spec.</u>	<u>Ref.#</u>
Fixed Equipment:		
F1	Marker board (4 LF)	101100
F2	Tack board (4 LF)	101100
F3	24" x 60" Mirror	088000
F4	Casework:	
	Base/wall cabinet	123200
F5	Soap dispenser	102800
F6	Towel dispenser	102800



OCCUPATIONAL/PHYSICAL

M-AC-13



CAPACITY:

- Up to 3 students
- Up to 2 staff

ANCILLARY SPACES:

- Speech/Occupational/ Physical Therapy Storage

GOAL:

- To provide private functional mobility training for students

PROGRAM ACTIVITIES:

- Adaptive Exercise
- Assistive technology evaluation
- Occupational and Physical Therapy
- Art Therapy

SPATIAL RELATIONSHIPS:

- Near Special Needs Classrooms

Miscellaneous:

M1	Projection device on cart	Div. 27
M2	Printer	
M3	3 computers for student use	
M4	Computer for teacher use	

LAYOUT:

- The classroom should be designed for flexible activity centers that include:
 - Small manipulatives (shelving and table)
 - Large manipulatives (open space with carpet)
 - Art therapy (sink and tables)

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Adequate ventilation
- Electrical outlets for equipment
- Reinforce structure to support equipment such as a trapeze
- Windows to provide natural light, desirable; provide treatment to darken
- Auditory privacy

Finishes¹:

	<u>Ref.#</u>
Flooring: Rubber tile	096519
Base: Resilient base	096519
Ceiling (9' high minimum): Suspended, acoustical	095113
Walls: Painted concrete masonry units	042000/099123

Loose Furnishings:

- L1 2 tables
- L2 3 computer workstations and chairs
- L3 Multimedia cart for teacher use
- L4 Teacher desk and chair
- L5 Four-drawer file cabinet
- L6 Adjustable height bookshelves (24 LF)
- L7 Printer table
Wastebasket

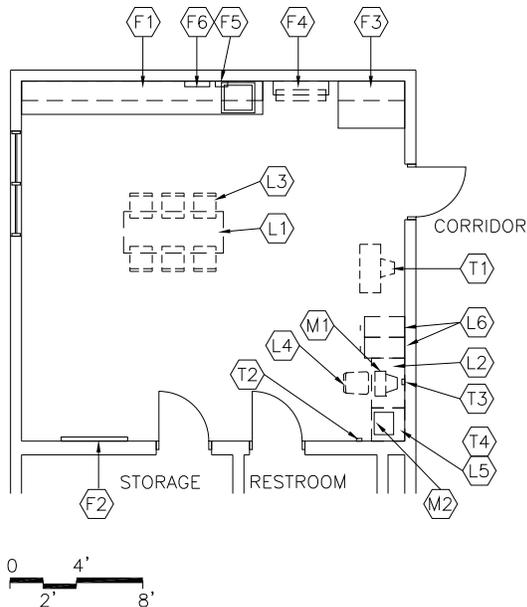
Communications²:

	<u>Div. 27</u>
T1 Video port, VCR/DVD, monitor, and brackets	
T2 Voice port and phone	
T3 Data port near teacher workstation	
T4 3 data ports (minimum) for student use	
T5 Data port for printer	
T6 Cable/MATV port	



WORKROOM/TEACHER OFFICE

E-ACA-12



CAPACITY:

- Teachers
- Teachers' assistants
- Parents/volunteers

ANCILLARY SPACES:

- Staff Restroom
- Storage

GOALS:

- To provide a space where adults can meet for committee work
- To provide a space where teachers can perform administrative work
- To provide a space for storage of grade-level materials

PROGRAM ACTIVITIES:

- Team staff meetings
- Lesson planning and grading
- Scheduling appointments
- Record keeping
- Develop and review teacher materials

Miscellaneous:

- M1 Computer
- M2 Printer

SPATIAL RELATIONSHIPS:

- Near Academic Core classrooms
- This area may be divided among the different floor levels
- Access to Staff Restroom(s) from within Workroom/Teacher Office

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Adequate ventilation
- Electrical outlets for equipment
- Window to provide natural light, desirable

Finishes¹:

	<u>Ref.#</u>
Flooring: Rubber tile flooring	096519
Base: Resilient base	096519
Ceiling: Suspended, acoustical	095113
Walls: Painted concrete masonry units	042000/099123

Loose Furnishings:

- L1 Table
- L2 Computer workstation furniture
- L3 6 chairs
- L5 Printer table
Wastebasket

Communications²:

T1 Video port, monitor, and brackets	Div. 27
T2 Voice port and phone	
T3 Data port near workstation	
T4 Data port at printer	

Features¹:

	<u>Ref.#</u>
<u>Fixed Equipment:</u>	
F1 Casework: Base cabinets (sink) Wall cabinets/shelving	123200
F2 Tack board (4 LF)	101100
F3 Casework: Deep storage for poster board	123200
F4 Towel dispenser	102800
F5 Soap dispenser	102800

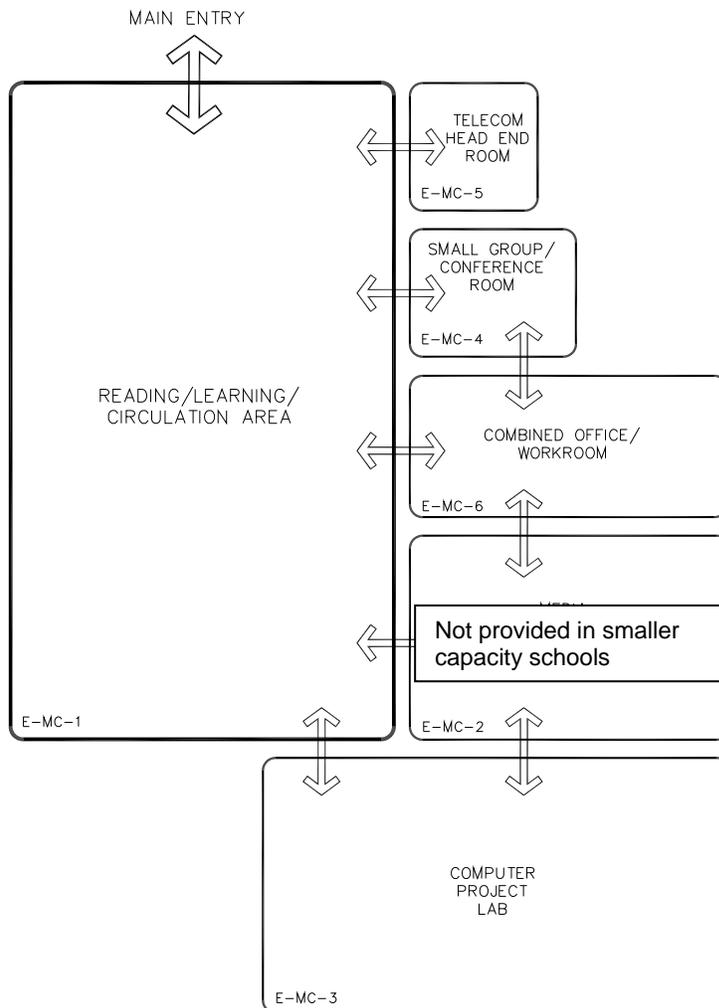


GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

MEDIA CENTER

Spaces	Qty.	S.F.	Total	Comments
Reading/Learning/Circulation	1	1,800	1,800	
Computer Project Lab	1	900	900	
Office/Workroom/storage	1	250	250	
Telecom Head End Room	1	100	100	
Total			3,050	

Comments: Spaces within the Media suite may vary up to 15% and may be combined to facilitate circulation and supervision. The overall square footage may be + or - 15%.





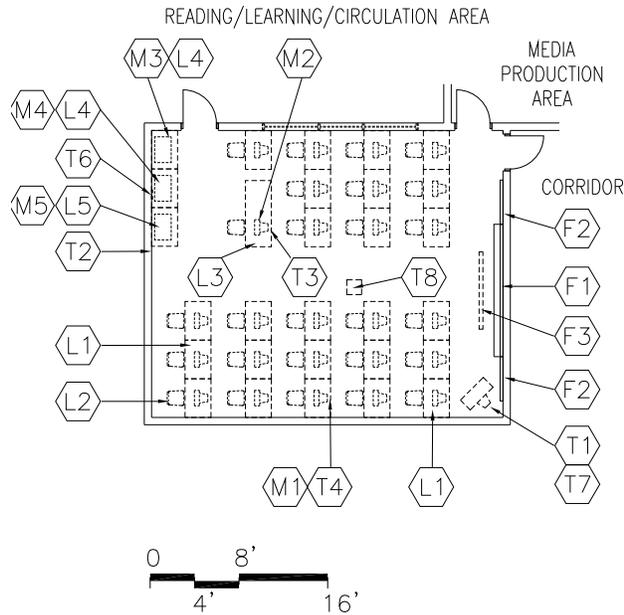
GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

READING / LEARNING / CIRCULATION AREA		E-MC-1	
	Spec. <u>Ref.#</u>	Spec. <u>Ref.#</u>	
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Library casework	123550
Base:		F2 Motorized projection screen	115213
Resilient base	096519	F3 Marker board (8 LF)	101100
Ceiling:		F4 Display case	123559
Suspended, acoustical	095113		
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted concrete masonry units		Fire suppression system	
042000 / 099123			
<u>Loose Furnishings:</u>		<u>Plumbing:</u>	
L1 8, four-person tables (different heights)		N/A	
L2 4 automated card catalog stations		<u>HVAC:</u>	Div. 23
L3 45 chairs		Supply/return air system	
L4 8 seated reference stations		Independent temperature control	
L5 Printer table		<u>Electrical:</u>	Div. 26
Wastebasket		Duplex receptacles	
<u>Miscellaneous:</u>		TVSS protected quad receptacle	
M1 1 black and white printer		adjacent to each data and	
M2 1 color printer		video port	
M3 1 bar code reader		Single-level switching	
M4 Photocopy machine		Fluorescent lighting	
M5 Digital scanner		Illumination level: See Table 7600-16	
M6 8 computers for student use		Means of egress lighting per code	
M7 4 computers for reference		Central sound system	
M8 2 computers for staff use		Floor boxes (electrical/data) throughout	
		reading room for flexible loose	
		furnishings layout	
		<u>Communications²:</u>	Div. 27
		T1 2 video port, monitor, VCR/DVD,	
		and brackets	
		T2 Voice port and phone	
		T3 2 data ports at circulation desk	
		T4 10 data ports for student use	
		T5 2 data ports for printers	
		T6 2 data ports for automated data card	
		catalog	
		Cable/MATV port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	



COMPUTER TECHNOLOGY AREA

E-MC-3



CAPACITY:

- 25 students
- 1 teacher

SIZE:

- 900 SF

GOAL:

- To provide an instructional space located near to the Media Center as a resource for the entire school

PROGRAM ACTIVITIES:

- Instruction
- Individual and class projects
- Computer lab activities
- Teleconferencing
- Research

SPATIAL RELATIONSHIPS:

- Adjacent to or in the Reading/Learning/Circulation Room
- Easy access to all students for teaching

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting with an appropriate visual comfort level
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Recessed floor electrical outlets
- Master switch to control power to workstations
- HVAC separate from Media Center
- Windows into Reading/Learning/Circulation Area optional

Finishes¹:

	<u>Ref.#</u>
Flooring: Rubber tile	096816
Base: Resilient base	096519
Ceiling: Suspended, acoustical	095113
Walls: Painted concrete masonry units	042000 / 099123

Loose Furnishings:

- L1 20-25 computer workstation furniture
- L4 1 printer table
- L5 Scanner table
Wastebasket

Miscellaneous:

- M1 20-25 computers for student use
- M2 Computer for teacher use
- M4 Printer
- M5 Scanner
- Audio enhancement equipment
- Electronic White board

Features¹:

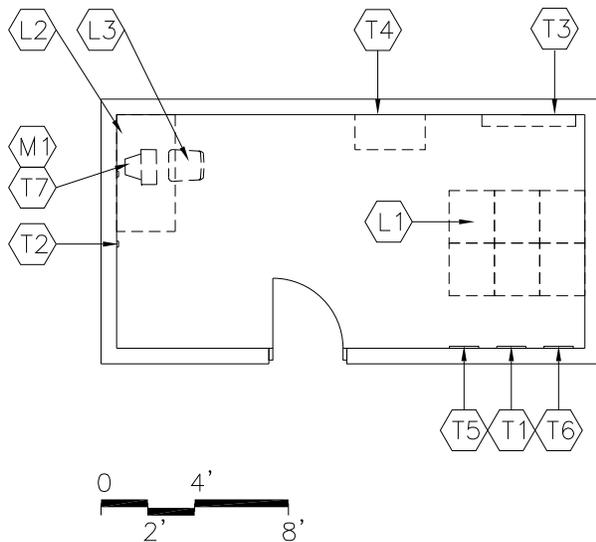
	<u>Spec.</u>	<u>Ref.#</u>
Fixed Equipment:		
F1 Marker board (12 LF)	101100	
F2 Tack board (12 LF)	101100	
F3 Manual projection screen	115213	



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

TELECOM HEAD END ROOM

E-MC-5



CAPACITY:

- 1-2 staff members

SIZE:

- 100 SF

ANCILLARY SPACES:

- Reading/Learning/Circulation Area (E-MC-1)

GOALS:

- To provide a secure area to serve as the information hub of the school. File servers will serve the building computer network
- To provide satellite up and down links that will send and receive voice, video, and data
- Location of cable TV input and output
- All areas of the school are to be wired to this area

PROGRAM ACTIVITIES:

- Voice, video, data reception, and distribution
- Security system location
- Network management
- Telephone wiring entry and distribution
- Cable and CCTV reception and broadcasting

SPATIAL RELATIONSHIPS:

- May also be located in the Administration Area
- Adjacent to and access to Reading/Learning/Circulation Area
- Could be accessed from workroom in lieu of Reading/Learning/Circulation Area
- Additional access from corridor

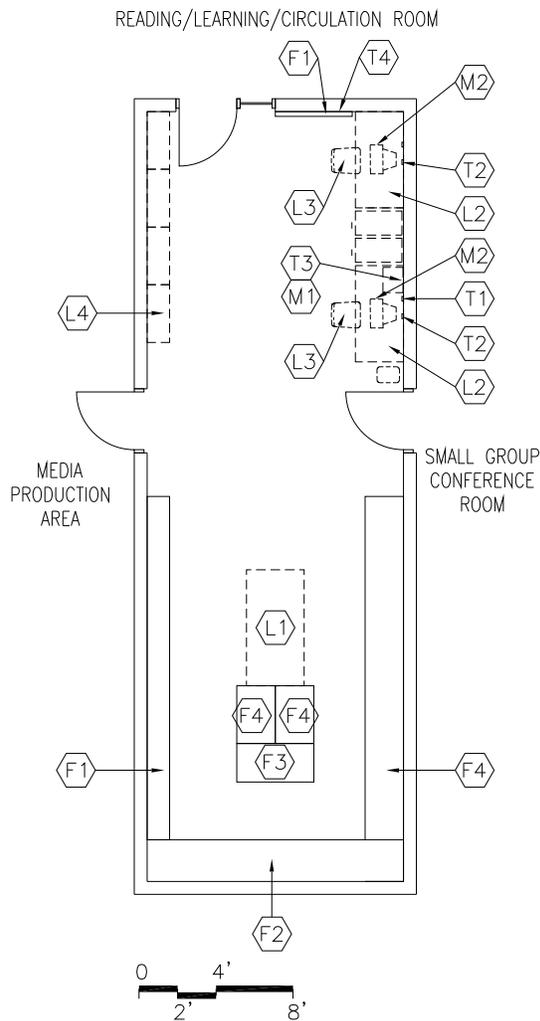
ENVIRONMENTAL CONSIDERATIONS:

- Adequate power supply will be required and auxiliary UPS power for back-up (Quality of power is important.)
- Dedicated electrical circuitry
- Air conditioning dedicated to this space
- Adequate ventilation
- Access to ceiling and walls for modification to systems and wiring
- Security of door



COMBINED OFFICE/WORKROOM

E-MC-6



CAPACITY:

- Media specialists

SIZE:

- 250 SF

ANCILLARY SPACES:

- Reading/Learning/Circulation Area (E-MC-1)

GOAL:

- To provide a less visible and secure space for processing incoming materials and storage of materials

PROGRAM ACTIVITIES:

- Storage of materials
- Storage of A/V materials and videotapes
- Scanning
- Digitizing

SPATIAL RELATIONSHIPS:

- Adjacent to and access to Reading/Learning/Circulation Area
- Adjacent to and access to Office
- Adjacent to and access to Media Production Area
- Located behind circulation desk and whole class zone

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Auditory privacy

BUILT-INS

- Sink
- Cabinets and shelving

Loose Furnishings:

- L1 Work table
- L2 Computer workstation
- L3 Chair
- L4 Adjustable height bookshelves
- L5 Four – drawer file cabinets
Wastebasket

Features¹:

	Spec. Ref.#
Fixed Equipment:	
F1 Storage shelving	105613
F2 Casework:	
Tall cabinet (24" deep)	123200
F3 Poster/map storage	123200
F4 Casework:	
Base cabinets with power	123200



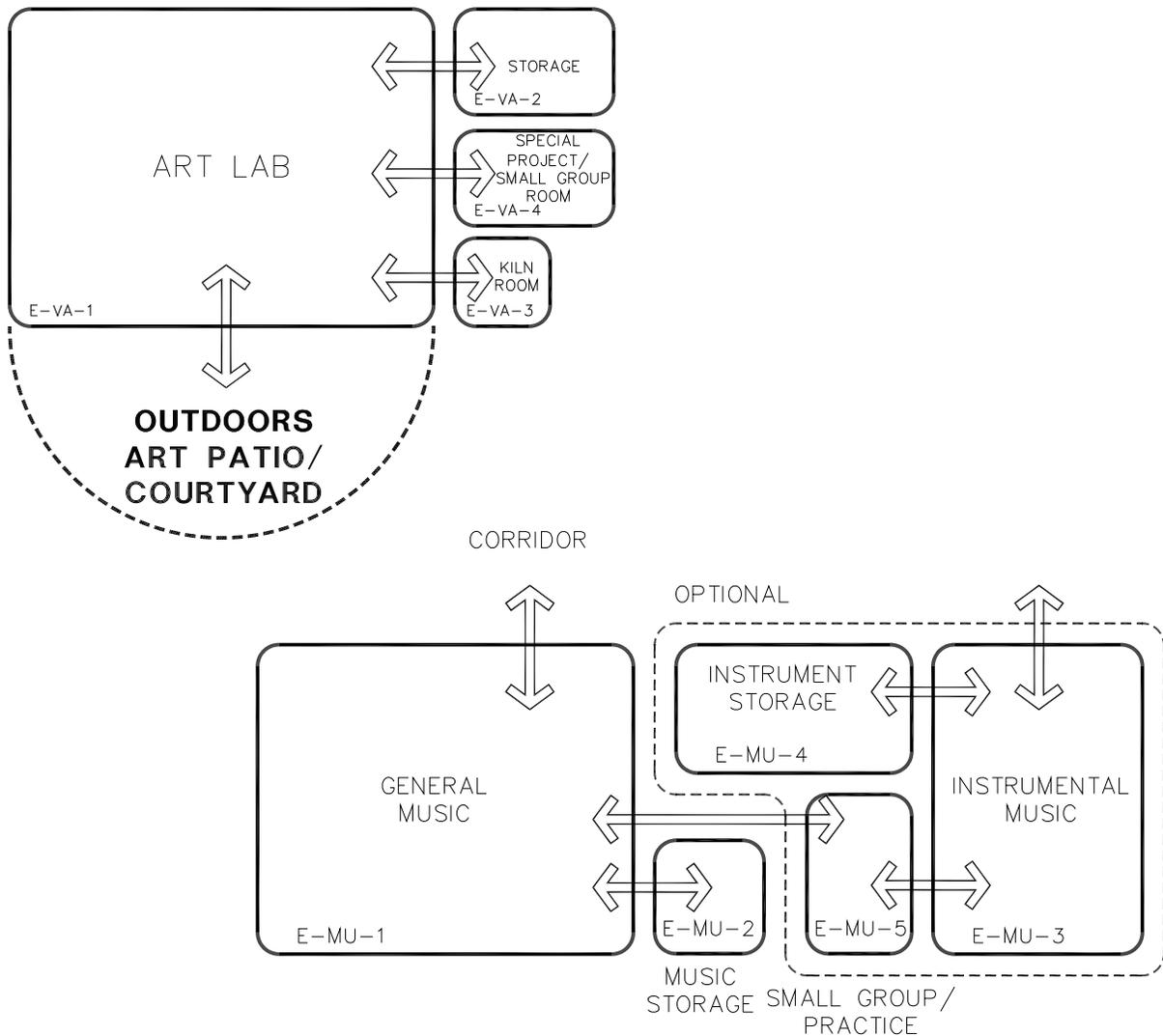
GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

VISUAL AND PERFORMING ARTS

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Visual Arts Lab	1	1,000	1,000	
Kiln Room	1	100	100	
Storage	1	150	150	
Science Lab	1	1,000	1,000	
General Music Room w/ storage	1	1,100	1,100	
Auditorium	1	3,000	3,000	Flat floor/telescoping seating
Total			6,350	

Comments : The overall total for the Instructional area may be + or – 15%.

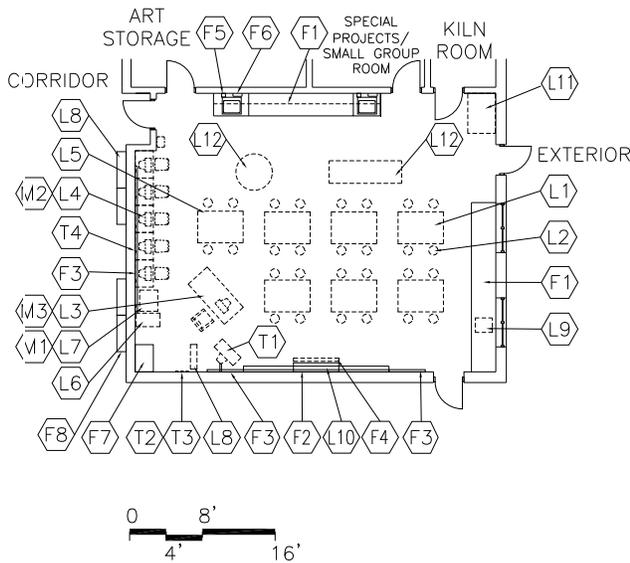
VISUAL ARTS SPATIAL RELATIONSHIPS





ART LAB

E-VA-1



CAPACITY:

- 20-24 students
- 1 teacher
- Student teacher
- Parent volunteers

ANCILLARY SPACES:

- Kiln Room (E-VA-3)
- Art Storage (E-VA-2)

SPATIAL RELATIONSHIPS:

- Centrally located with convenient access to Core Academic classrooms
- Direct access to art patio – with overhang

PATIO:

- Adjacent to the Art classroom with direct access from the classroom
- Should not be located to encourage loitering by community

GOALS:

- To provide an area for students to work on a variety of art projects
- To become aware of and be able to articulate thoughts about art

PROGRAM ACTIVITIES:

- Drawing, painting, and print making
- Sculpture, model-making, collage
- Ceramics-clay (age appropriate)
- Computer graphics and mixed media work
- Viewing prints/slides/movies/art videos
- Individual and cooperative group work
- Storage of supplies, projects, and small equipment

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting/track and display lighting
- Windows to provide natural light and egress, preferably northern exposure
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Include outlets on the wall above counter spaces in raceway
- Electrical outlets for equipment
- Provide one ceiling hung, retractable electrical outlet
- Window treatment to darken room for AV

TECHNOLOGY:

- Video port, monitor, VCR/DVD, and brackets
- Voice port and phone
- Data port near teacher workstation
- 5 data ports (minimum) for student use
- Data port for printer
- Cable/MATV port
- Ceiling mount for a projection device or interactive White Board
- Speakers for audio enhancement system

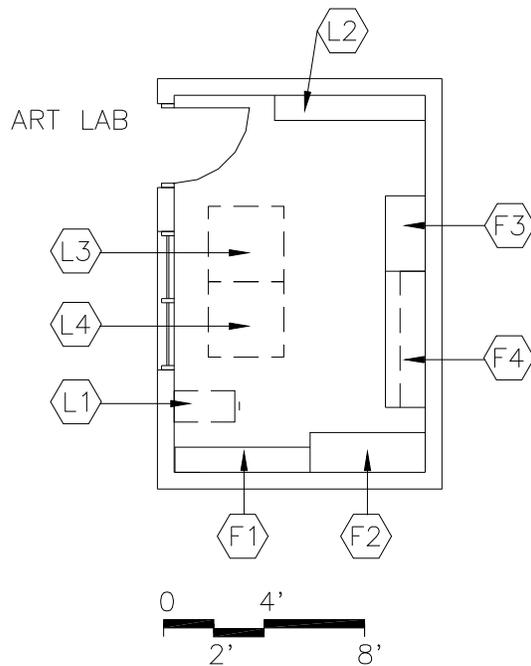
Fixed Equipment:

F1	Casework: 30" high base/wall cabinets and shelving	123200
	Paper storage cabinets	
F2	Marker board (16 LF)	101100
F3	Tack board (24 LF)	101100
F4	Manual projection screen	115213
F5	Soap dispenser (at each sink)	102800
F6	Towel dispenser (at each sink)	102800
F7	Casework: Wardrobe	123200
F8	Display cases	



ART STORAGE

E-VA-2



CAPACITY:

- 1 teacher

SIZE:

- 150 SF

ANCILLARY SPACES:

- Art Lab (E-VA-1)

GOAL:

- To provide lockable storage for art supplies, portable equipment, technology, peripherals, and materials

PROGRAM ACTIVITIES:

- Storage of equipment and supplies

SPATIAL RELATIONSHIPS:

- Direct access to Art Lab
- Visual access from Art Lab

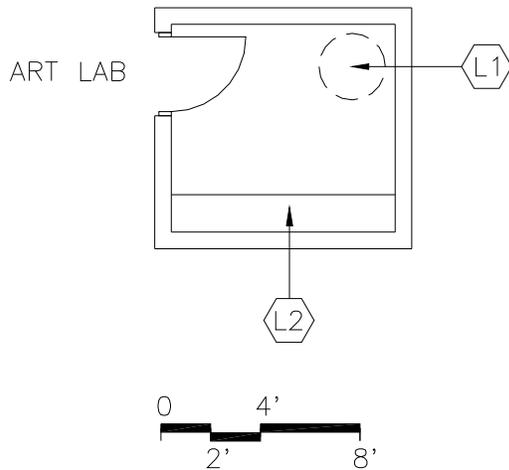
ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets for equipment



KILN ROOM

E-VA-3



CAPACITY:

- 1-2 persons

SIZE:

- 100 SF

ANCILLARY SPACES:

- Art Lab (E-VA-1)

GOALS:

- To provide an area properly equipped for ceramics
- To provide a space to fire and store completed art work

PROGRAM ACTIVITIES:

- Store 3D sculptural work
- House kiln equipment

SPATIAL RELATIONSHIPS:

- Adjacent and access to Art Lab

ENVIRONMENTAL CONSIDERATIONS:

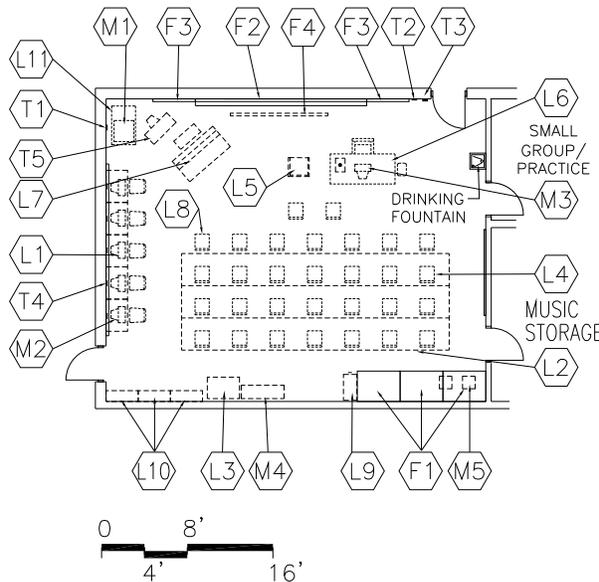
- Ventilation controlled by a thermostat
- Adequate ventilation with vents to the outside for kiln
- Electrical outlets for equipment
- Lighting appropriate to task
- Consider safety in plumbing room layout



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

GENERAL MUSIC ROOM

E-MU-1



CAPACITY:

- 20-24 music students
- 1 teacher
- Parents/volunteers

ANCILLARY SPACES:

- Music Storage (E-MU-2)

GOAL:

- To provide students with the opportunity to explore and develop skills in music through large group, ensemble, and solo experiences

PROGRAM ACTIVITIES:

- Listen, analyze, describe, and compose music
- Choral, speech, theatrics
- View educational videos
- Extra-curricular after school activities (i.e., Odyssey of the Mind, church groups)

Miscellaneous:

M1	Projection device on cart	Div. 27
M2	5 computers for student use	
M3	Computer teacher use	
M4	MIDI synthesizer	
M5	A/V recording/playback equipment	

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting/Theatrical lighting
- Environmental sound control:
Wall minimum: STC 50
Ceiling minimum: CAC 35
- Sound insulation in walls (extended above ceiling to underside of deck)
- Acoustical wall treatments
- Electrical outlets for equipment
- Adequate ventilation
- Drinking fountain in classroom

Finishes¹:

	<u>Ref.#</u>
Flooring: Carpet	096816
Base: Resilient base	096519
Ceiling(10' high minimum): Suspended, acoustical	095113
Walls: Painted concrete masonry units	042000 / 099123

Loose Furnishings:

L1	3-5 computer workstations and chairs
L2	Portable choral risers with rails
L3	Mobile A/V cabinet
L4	24 music posture chairs
L5	Conductor podium, chair and stand
L6	Teacher desk and chair
L7	Upright piano
L9	Four-drawer file cabinet
L10	Adjustable height bookshelves (24LF) Instrument storage (varied sizes)
L11	Multimedia cart for teacher use

Communications²:

	Div. 27
T1	Cable/MATV port
T2	Voice port and phone
T3	Data port near teacher workstation
T4	5 data ports (minimum)
T5	Video port, monitor, VCR/DVD, and brackets

Features¹:

	<u>Spec.</u>	<u>Ref.#</u>
Fixed Equipment:		
F1	123200	Casework: Paper storage cabinets
F2	101100	Marker board (16 LF) 1/2 with music staff bars
F3	101100	Tack board
F4	115213	Manual projection screen
F5	123200	Casework: Wardrobe
F6	123200	Casework: Sink cabinet



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

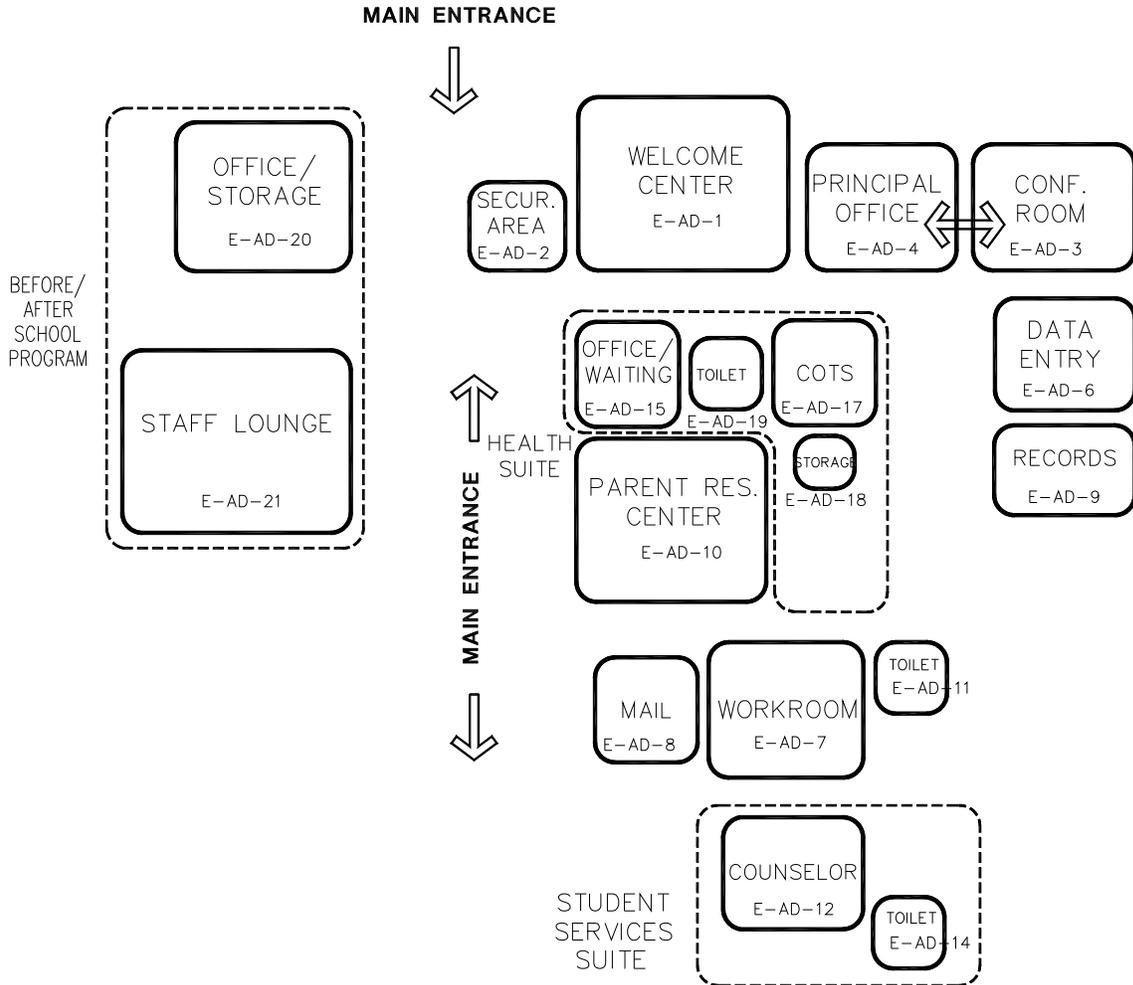
ADMINISTRATION

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Welcome Center	1	350	350	Welcoming Area, Work area for Administrative Asst. & Business Manager
Security Area w/ locking storage	1	75	75	May be in front entryway or incorporated into Welcome Center.
Conference Room	1	200	200	
Principal's Office	1	180	180	Including toilet
Office (AP, etc.)	1	120	120	
Administrative Workroom	1	200	200	
Mailroom	1	75	75	
Records Room	1	120	120	Needs to be a secure space.
Parent Resource Center	1	600	600	Near the front door.
Toilet	1	50	50	
Student Services Suite				
Counselor	1	150	150	
Health Suite				
Office/Waiting	1	100	100	
Treatment Area	1	80	80	
Cots	1	100	100	
Storage	1	25	25	
Toilet	1	50	50	
Before/After School Partners' Office/Storage*	3	250	750	
Staff Lounge *	1	400	400	Includes staff toilet with shower. Could be divided among floors.
Total			3,325	

Comments: The overall total for the administration area may be + or – 15%. Some areas may be combined to facilitate circulation. Some areas (*) may be located outside of the suite to make the best use of the existing building.



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

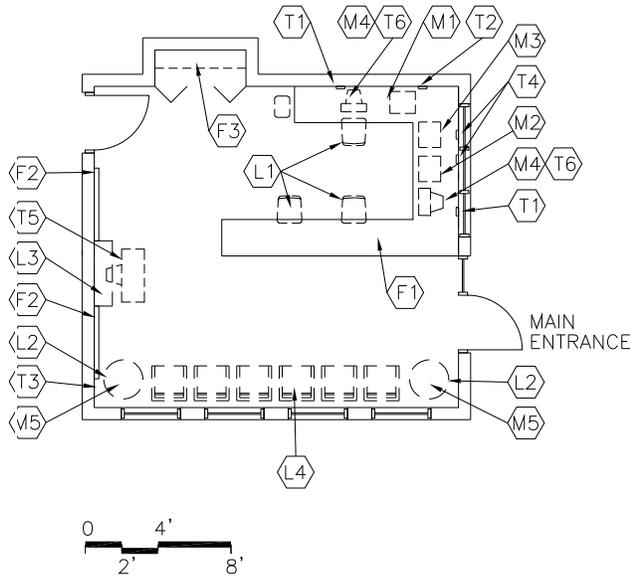




**GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION**

WELCOME CENTER

E-AD-1



CAPACITY:

- Administrative assistants
- Visitors/parents
- Students

GOAL:

- To provide a space designed to help students and the public feel welcome and to provide easily accessed information

PROGRAM ACTIVITIES:

- Greeting visitors
- Waiting for students or staff
- Student waiting/pick up area
- Workstation for administrative assistant

SPATIAL RELATIONSHIPS:

- Located inside the main Administrative Area
- Near public restrooms
- Maximize view to the exterior and main entry

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, areas of soft lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Adequate ventilation
- Electrical outlets for equipment
- Administrative area should be mechanically zoned for year round use.
- Windows to provide natural light

<u>Finishes</u> ^{1:}	Spec. <u>Ref.#</u>
Flooring: Rubber Tile	096813
Base: Resilient base	096519
Ceiling (8' high minimum): Suspended, acoustical	095113
Walls: Painted gypsum wallboard over metal studs	092116 / 099123

Loose Furnishings:

- L1 2 ergonomic task chairs/workstations
- L4 4 lounge chairs
- Wastebasket

Miscellaneous:

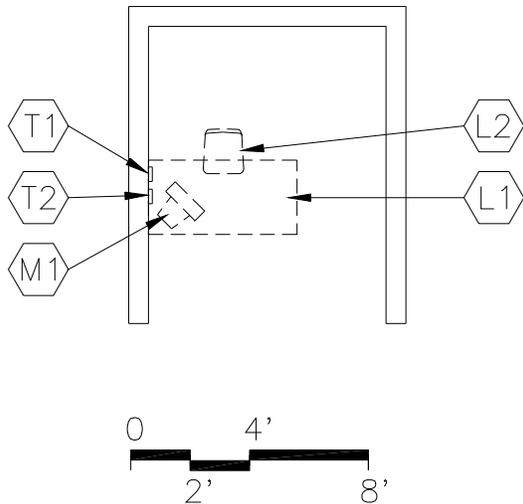
- M1 Fax
- M2 printer
- M4 2 computers

<u>Features</u> ^{1:}	Spec. <u>Ref.#</u>
<u>Fixed Equipment:</u> F1 Finish carpentry: Two level reception counter	064123
F2 Tack board (8 LF)	101100
F3 Closet shelving	064123



SECURITY AREA

E-AD-2



GOAL:

- To serve as a check-in and checkpoint for non-school visitors

PROGRAM ACTIVITIES:

- Check-in/out visitors
- Monitor main entrance to school
- Workstation for security office

SPATIAL RELATIONSHIPS:

- Adjacent to main entry

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35

CAPACITY:

- Security officer

SIZE:

- 80 SF

ANCILLARY SPACES:

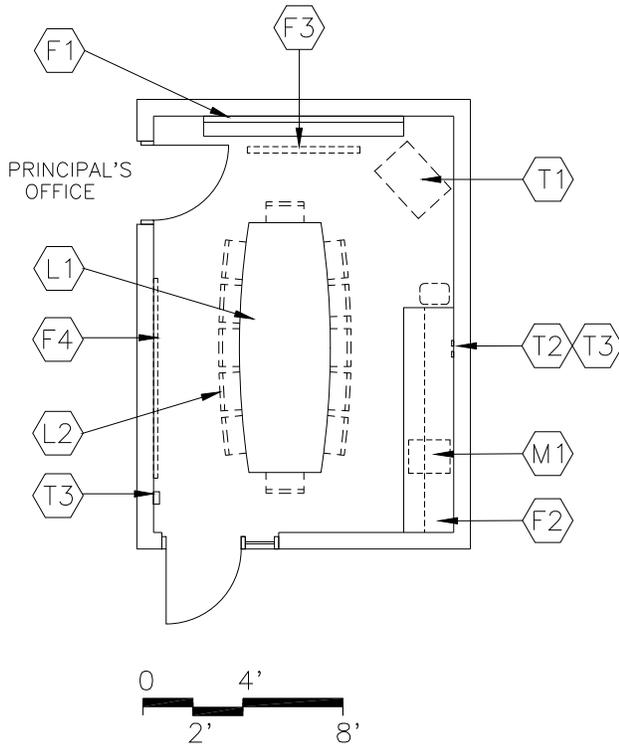
- N/A



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

CONFERENCE ROOM

E-AD-3



CAPACITY:

- Staff
- Students
- Parents
- Visitors

SIZE:

- 200 SF

ANCILLARY SPACES:

- Principal's Office (E-AD-4)

GOAL:

- To provide a place for administrative conferences or meetings

PROGRAM ACTIVITIES:

- Conferences with staff, students, parents, and visitors

SPATIAL RELATIONSHIPS:

- Near Welcome Center
- Centrally located within Administrative Area
- Adjacent and access to Principal's Office

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 45
- Electrical outlets for equipment
- Windows to provide natural light, desirable
- Auditory privacy

Features¹:

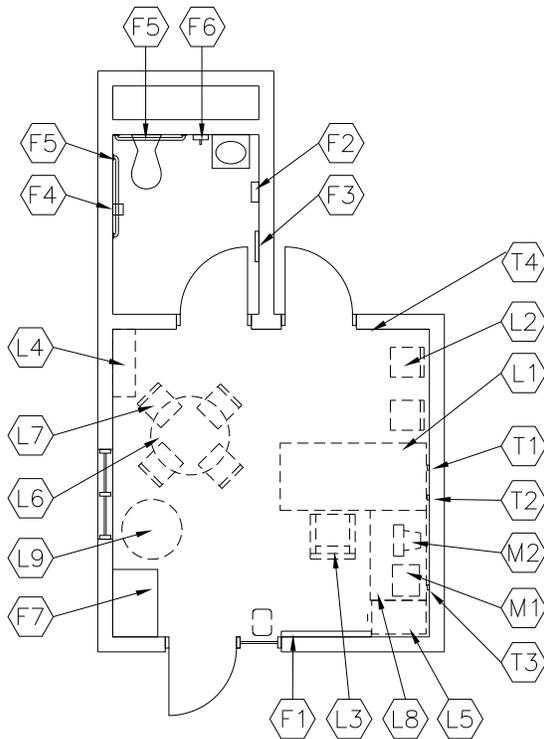
Fixed Equipment:

	Spec. Ref.#
F1 Marker board (8 LF)	101100
F2 Casework: Base/wall cabinets (6 LF)	123200
F3 Manual projection screen	115213
F4 Tack board (8 LF)	101100

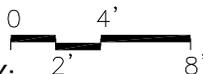


PRINCIPAL'S OFFICE

E-AD-4



ADMIN. AREA



CAPACITY:

- Principal

SIZE:

- 180 SF

ANCILLARY SPACES:

- Conference Room (E-AD-3)

GOAL:

- To provide an office for the principal to give instructional leadership in a personal and organized environment for students, staff, and community

SPATIAL RELATIONSHIPS:

- Near main entry
- Near administrative assistant
- Adjacent and access to Conference Room

PROGRAM ACTIVITIES:

- Conferences with students, parents, teachers, staff, and visitors
- Research and planning
- Telephone communications
- Dealing with personnel issues
- Coordination of school and support services

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

Loose Furnishings:

- L1 Desk
- L2 2 visitor chairs
- L3 Ergonomic task chair
- L4 Adjustable height bookshelves (12 LF)
- L5 Four-drawer file cabinet
- L6 Conference table
- L7 4 chairs
- L8 Computer workstation
- L9 Beanbag chair (optional)
- Wastebasket

Miscellaneous:

- M1 Printer
- M2 Computer

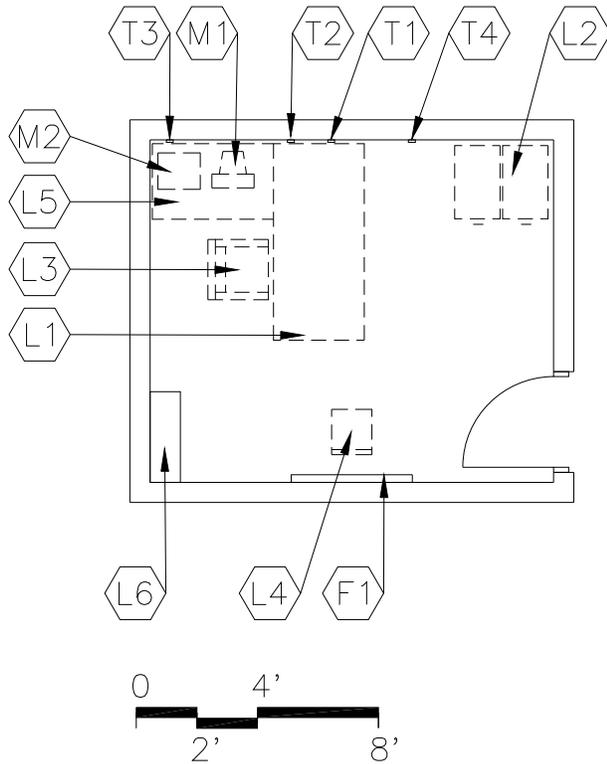
Features¹:

Fixed Equipment:		Ref.#
F1	Tack board (4 LF)	101100
F2	Towel dispenser	102800
F3	24" x 60" mirror	102800
F4	Toilet tissue holder	102800
F5	36" and 42" grab bars	102800
F6	Soap dispenser	102800
F7	Casework: Wardrobe	103200



OFFICES

E-AD-6



CAPACITY:

- Secretaries
- Volunteers
- Business manager
- Dean of Students

SIZE:

- 120 SF

ANCILLARY SPACES:

- N/A

GOAL:

- To provide an area for information to be recorded.

PROGRAM ACTIVITIES:

- Typing
- Collating
- Sorting of filing
- Preparing communications for mailing
- Telephone communications

SPATIAL RELATIONSHIPS:

- Per School requirements

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment

Loose Furnishings:

- L1 Desk
- L2 2, four-drawer file cabinets
- L3 Ergonomic task chair
- L4 Guest chair
- L5 Computer workstation
- L6 Adjustable height bookshelves (12 LF)
Wastebasket

Features¹:

Fixed Equipment:

- | | | |
|----|-------------------|--------|
| F1 | Tack board (4 LF) | 101100 |
|----|-------------------|--------|

Spec.
Ref.#

Miscellaneous:

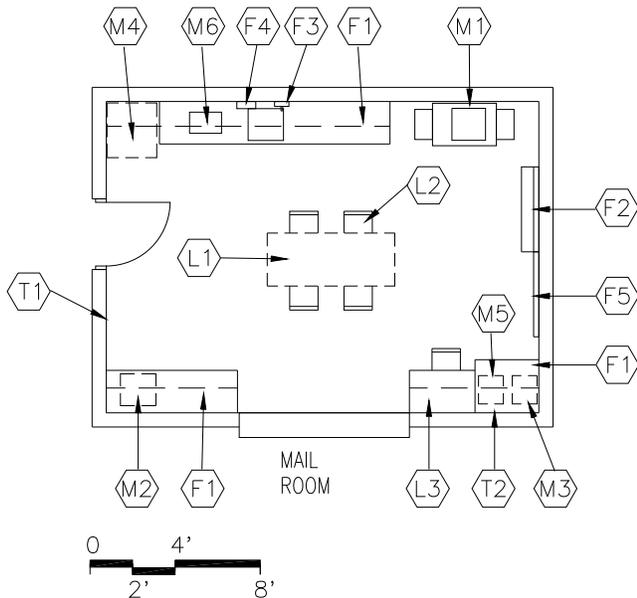
- M1 Computer
- M2 Printer



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

ADMINISTRATIVE WORKROOM

E-AD-7



CAPACITY:

- Secretaries and Administrators
- Volunteers
- Staff

SIZE:

- 200 SF

ANCILLARY SPACES:

- Mail Room (E-AD-8)

GOAL:

- To provide an area for office production activities

PROGRAM ACTIVITIES:

- Copying
- Collating
- Sorting of files
- Preparing communications for mailing
- Binding reports
- Telephone communications

SPATIAL RELATIONSHIPS:

- Near Welcome Center
- Adjacent to Mail Room

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Adequate ventilation
- Electrical outlets for equipment
- Organize for efficient work flow and sufficient clearance for several people to work at one time

Loose Furnishings:

- L1 Work table
- L2 4 chairs
- L3 Computer workstation
Wastebasket

Miscellaneous:

- M1 Copier
- M2 Paper cutter
- M3 Laminating machine
- M4 Refrigerator with ice maker
- M5 printer
- M6 Microwave

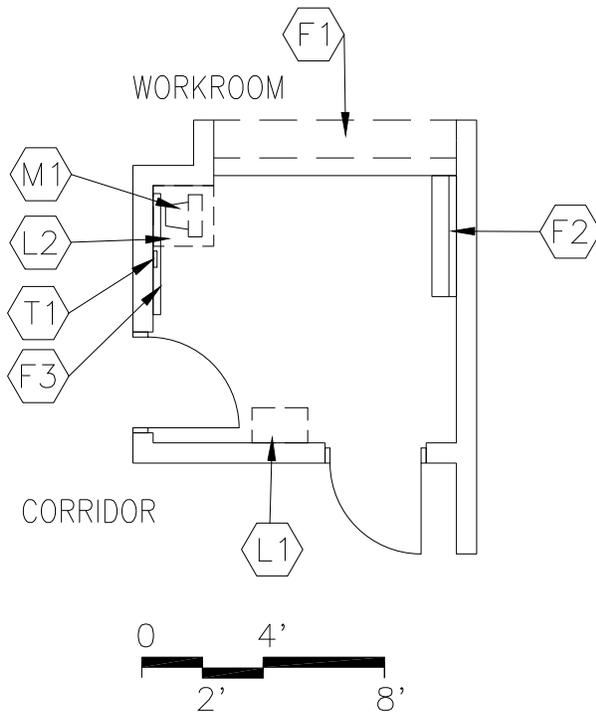
Features¹:

	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	123200
Base/wall cabinets and shelving	
F2 Marker board (4 LF)	101100
F3 Soap dispenser	102800
F4 Towel dispenser	102800
F5 Tack board (4 LF)	101100



MAIL ROOM

E-AD-8



CAPACITY:

- Staff
- Faculty

SIZE:

- 150 SF

ANCILLARY SPACES:

Administrative Workroom (E-AD-7)

GOAL:

- To provide an area to disseminate mail to staff members

PROGRAM ACTIVITIES:

- Delivery of general mail
- Sign in/out location

SPATIAL RELATIONSHIPS:

- Adjacent to Administrative Workroom
- Located in Administrative Area
- Accessible from main corridor

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Separate entry/exit doors

Loose Furnishings:

- L2 table (standing height)
- Wastebasket

Features¹:

Fixed Equipment:

		Spec. Ref.#
F1	Casework: Mail slots 12" wide x 6" high x 15" deep (40 total slots) pass-through cabinets below	123200
F2	Marker board (4 LF)	101100
F3	Tack board (4 LF)	101100

Miscellaneous:

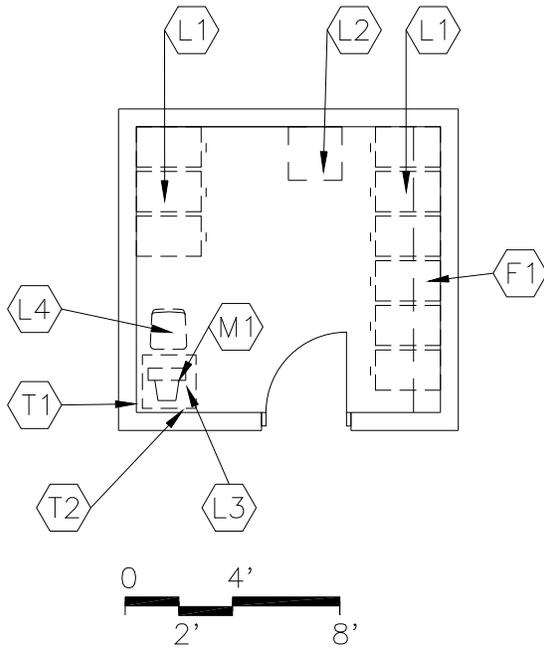
- M1 Computer



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

RECORDS ROOM

E-AD-9



GOAL:

- To provide secure, fireproof, and adequate storage for money, records, and other valuable items

PROGRAM ACTIVITIES:

- Storing of money and other valuable items
- Storage of files and records
- Accessible to administration staff

SPATIAL RELATIONSHIPS:

- Near Data Entry Office

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Security of door

CAPACITY:

- Secretaries
- Staff

SIZE:

- 150 SF

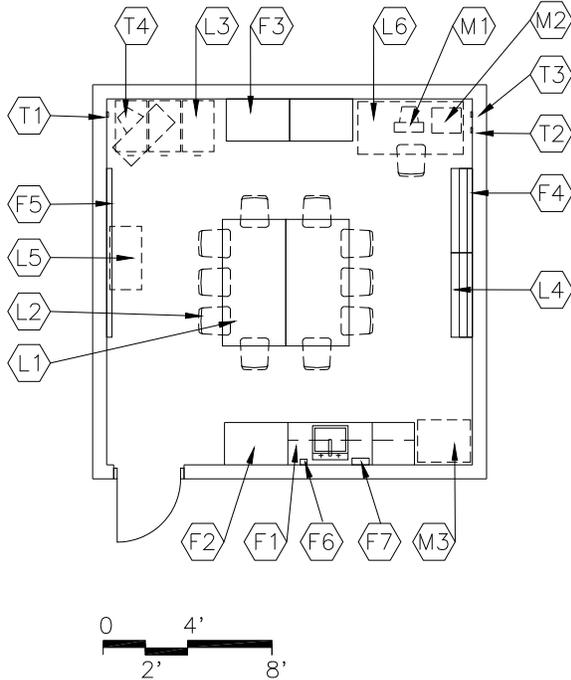
ANCILLARY SPACES:

- N/A



PARENT RESOURCE CENTER

E-AD-10



CAPACITY:

- Parents
- PTO/PTA members
- Volunteers

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOALS:

- To provide a place for parents to meet and work when they volunteer at school
- To provide a place for parents to store their personal belongings
- To provide space for parents to check-out and use parenting sources

PROGRAM ACTIVITIES:

- Small group meetings
- Work area
- Storage for personal items
- Storage of fundraising materials (PTO/PTA)
- Parent training

SPATIAL RELATIONSHIPS:

- Near Welcome Center
- Near Lobby Entrance
- Near Public Restrooms
- Double doors opening into corridor

ENVIRONMENTAL CONSIDERATIONS:

- Electrical outlets for equipment
- Lighting appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35

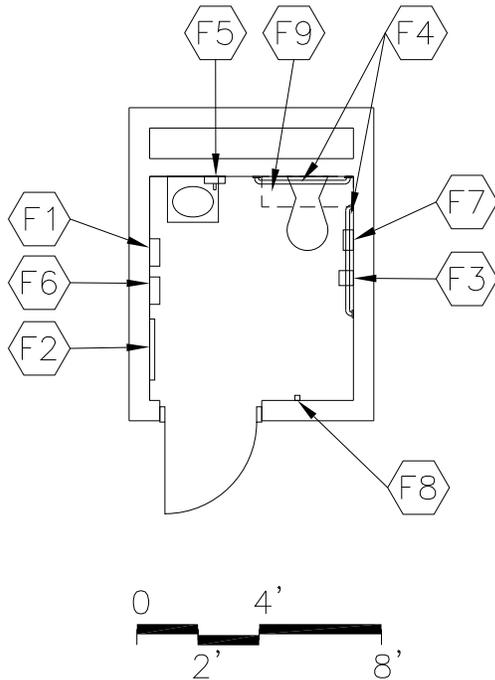
NOTES:

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



STAFF TOILET

E-AD-11



PROGRAM ACTIVITIES:

- Personal and health needs for administrative staff
- Changing clothing

SPATIAL RELATIONSHIPS:

- Near Welcome Center

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Moisture- and stain- resistant finishes
- Adequate exhaust/ventilation

CAPACITY:

- Staff

SIZE:

- 50 SF

ANCILLARY SPACES:

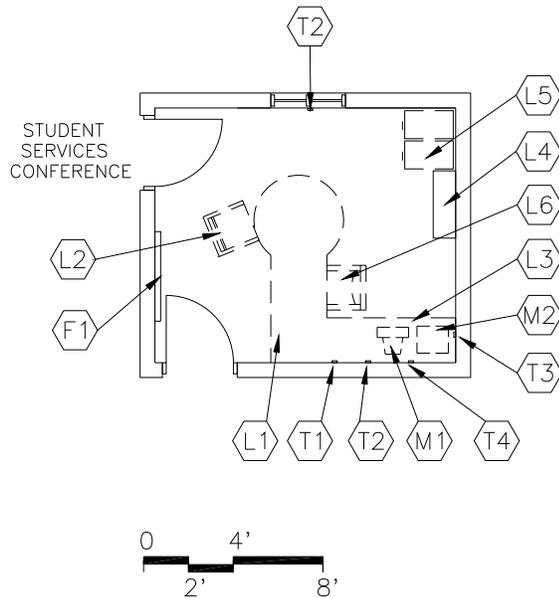
- N/A



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

COUNSELOR'S OFFICE

E-AD-12



CAPACITY:

- Counselor
- Intern
- Psychologist
- Social worker
- Reading resource
- Math resource
- Science resource
- ESL

SIZE:

- 150 SF

ANCILLARY SPACES:

- Student Service Conference Room (E-AD-13)

GOAL:

- To provide counseling and other student support services in a professional environment that is easily accessible to students, staff, parents, and the community

PROGRAM ACTIVITIES:

- Counseling for students and parents
- Administrative paperwork
- Enrollment and orientation of new students

SPATIAL RELATIONSHIPS:

- Near Student Services Conference Room
- Near Welcome Center
- Adjacent and access to Student Services Conference Room
- Window into the reception area

ENVIRONMENTAL CONSIDERATIONS:

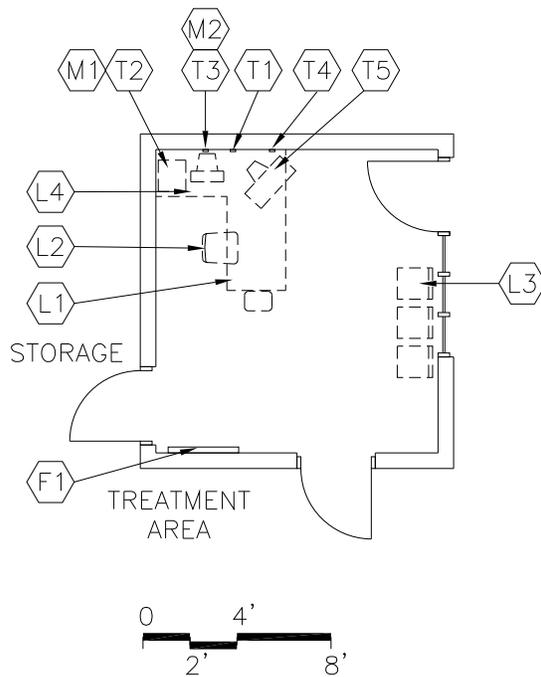
- Uniform lighting, appropriate to task
- Environmental sound control:
 - Walls minimum: STC 45
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light

See Office guidelines for FF&E



OFFICE / WAITING AREA
Health Suite

E-AD-15



GOAL:

- Administrative and waiting area for health services

PROGRAM ACTIVITIES:

- Waiting area for students parent or guardian
- Administrative activities by school nurse

SPATIAL RELATIONSHIPS:

- Entry space to Health Suite
- Adjacent and access to Treatment Area
- Adjacent and access to Storage

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 40
Ceiling minimum: CAC 35
- Visual control to Welcome Center or corridor
- Visual and auditory privacy

CAPACITY:

- Staff
- Students
- Parents
- Visitors

SIZE:

- 150 SF

ANCILLARY SPACES:

- Treatment Area (E-AD-16)
- Storage (E-AD-18)

NOTES:

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



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

OFFICE / WAITING AREA

Health Suite

E-AD-15

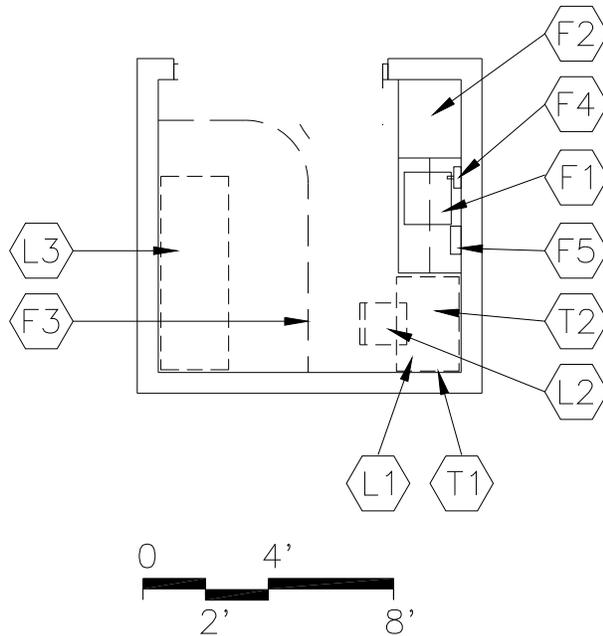
<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring: Resilient tile flooring	096519	Fixed Equipment: F1 Tack board (4 LF)	101100
Base: Resilient base	096519	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Ceiling (8' high minimum): Suspended, acoustical	095113	<u>Plumbing:</u> N/A	
Walls: Painted gypsum wallboard over metal studs	092116 / 099123	<u>HVAC:</u> Div. 23 Supply/return air system	
<u>Loose Furnishings:</u> L1 Desk L2 Ergonomic chair L3 3 visitor chairs L4 Computer desk return Wastebasket		<u>Electrical:</u> Div. 26 Duplex receptacles 2 outlets per wall, minimum TVSS protected quad receptacle adjacent to each data port Single-level switching Fluorescent lighting Illumination level: See Table 7600-16 Clock Central sound system	
<u>Miscellaneous:</u> M1 Printer M2 Computer		<u>Communications²:</u> T1 Voice port and phone 2 Data port for printer T3 Data port near workstation T4 Cable/MATV T5 Video port, monitor, VCR/DVD, and brackets	Div. 27
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

TREATMENT AREA Health Suite

E-AD-16



CAPACITY:

- 1 staff member/volunteer/nurse
- Students

SIZE:

- 80 SF

ANCILLARY SPACES:

- Office/Waiting Area (E-AD-15)

GOAL:

- To provide school-based health services

PROGRAM ACTIVITIES:

- First aid
- Consultation with students
- Health screening
- Administrative paperwork
- Medical treatments
- Medication administration
- Student resting while awaiting pick-up by parent or guardian

SPATIAL RELATIONSHIPS:

- Open access to Office/Waiting

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

NOTES:

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



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

TREATMENT AREA

Health Suite

E-AD-16

<u>Finishes</u> ¹ :	Spec. Ref.#	<u>Features</u> ¹ :	Spec. Ref.#
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Casework:	
		Base/wall cabinets	123200
Base:		F2 Casework:	
Resilient base	096519	Tall storage	123200
Ceiling (8' high minimum):		F3 Cubicle curtain	102123
Suspended, acoustical	095113	F4 Soap dispenser	102800
		F5 Towel dispenser	102800
Walls:		<u>Fire Suppression</u> :	Div. 21
Painted gypsum wallboard over metal studs	092116 / 099123	Fire suppression system	
<u>Loose Furnishings</u> :		<u>Plumbing</u> :	Div. 22
L1 Small table		Plumbing connections	
L2 Chair		Single sink	
L3 Cot or exam table		<u>HVAC</u> :	Div. 23
Wastebasket		Supply/return air system	
		<u>Electrical</u> :	Div. 26
		Duplex receptacles	
		TVSS protected quad receptacle adjacent to each data port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications</u> ² :	Div. 27
		T1 Voice port and phone	
		T2 Data port	
		<u>Electronic Safety and Security</u> :	Div. 28
		Life safety devices per code	
		<u>Miscellaneous</u> :	
		N/A	

NOTES:

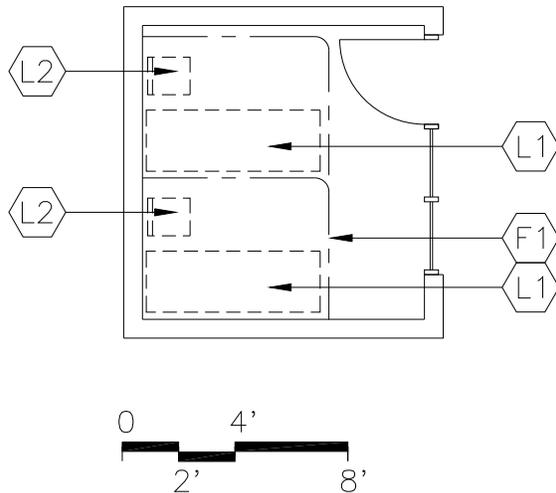
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

COTS

E-AD-17



CAPACITY:

- Staff
- Students

SIZE:

- 100 SF

ANCILLARY SPACES:

N/A

GOAL:

- To provide a place for students and staff to lie down when feeling ill

PROGRAM ACTIVITIES:

- A resting place for students and staff when feeling ill

SPATIAL RELATIONSHIPS:

- Located within Health Suite
- Near welcome center

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting/**dimnable lighting**
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Stain-resistant floor covering
- Adequate ventilation
- Auditory and visual privacy
- Visual control from Office/Waiting or Welcome Center

Loose Furnishings:

- L1 2 cots
- L2 2 chairs
- Wastebasket

Features¹:

Fixed Equipment:

- F1 Cubicle curtains

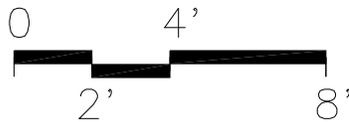
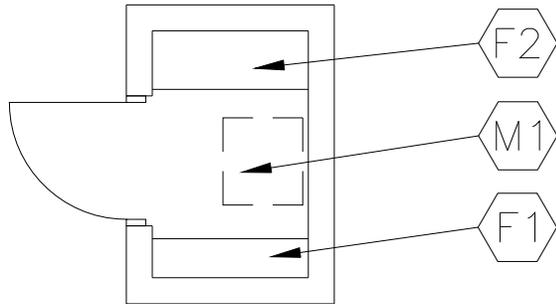
Spec.
Ref.#

102123



STORAGE

E-AD-18



GOAL:

- To provide storage for medical supplies and equipment

PROGRAM ACTIVITIES:

- Storing chemicals, equipment, and supplies

SPATIAL RELATIONSHIPS:

- Adjacent and access to Office/Waiting

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Security of equipment, supplies, and medicines
- Security of door

CAPACITY:

- Staff

SIZE:

- 25 SF

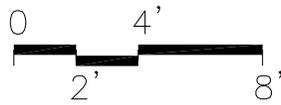
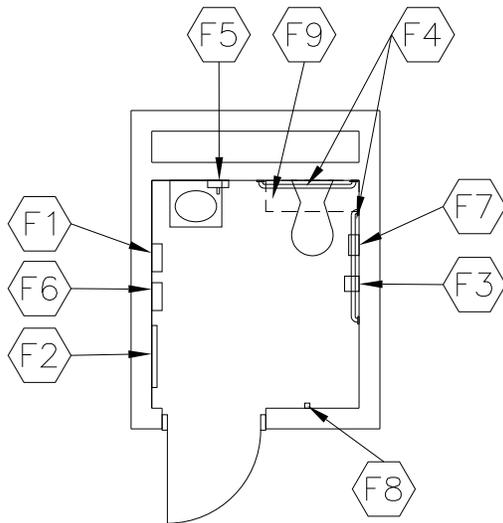
ANCILLARY SPACES:

- Office/Waiting (E-AD-15)



TOILET

E-AD-19



CAPACITY:

- Students
- Staff

SIZE:

- 50 SF

ANCILLARY SPACES:

- N/A

PROGRAM ACTIVITIES:

- Personal and health needs for the health suite
- Changing clothing

SPATIAL RELATIONSHIPS:

- Located within Health Suite

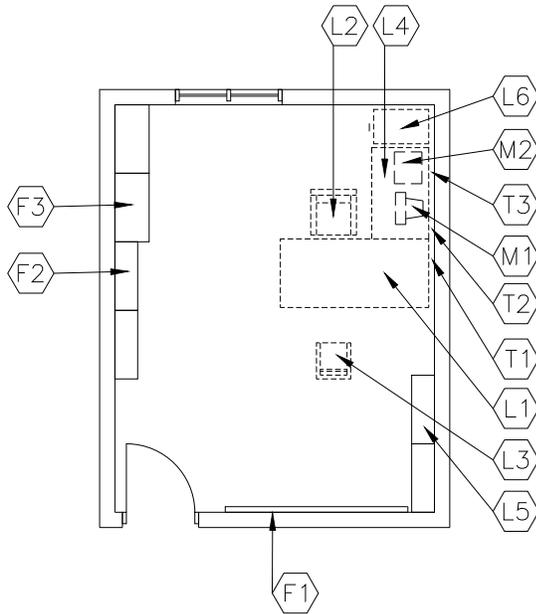
ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Moisture- and stain-resistant finishes
- Adequate exhaust/ventilation



School-based Partner Storage/Office

E-AD-20



CAPACITY:

- Staff
- Coordinators of Before/After School Program
- Parents/volunteers

SIZE: 250 SF

ANCILLARY SPACES:

N/A

GOAL:

- Office and storage area for before/after school program coordinators

PROGRAM ACTIVITIES:

- Administrative duties
- Storing and retrieving supplies and equipment

SPATIAL RELATIONSHIPS:

- Near public use spaces
- Near Gymnasium and Student Dining Area/Multipurpose
- Access to main corridor

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 45
- Electrical outlets for equipment
- Windows to provide natural light and egress

Loose Furnishings:

- L1 Desk
- L2 Ergonomic task chair
- L3 Visitor chair
- L4 Computer desk return
- L5 Adjustable height bookshelves (24 LF)
- L6 Four-drawer file cabinet
Wastebasket

Features¹:

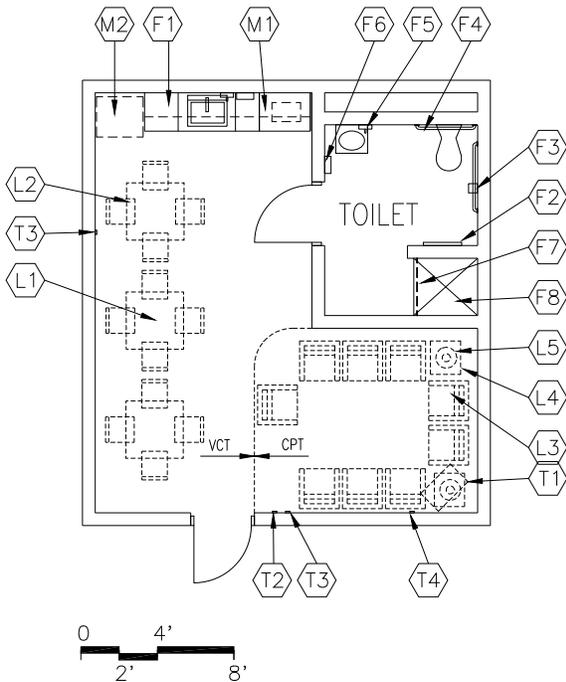
Fixed Equipment:

		Spec. Ref.#
F1	Tack board (8 LF)	101100
F2	Storage shelving: 12" deep	105613
F3	Storage shelving: 18" deep	i105613



STAFF LOUNGE

E-AD-21



GOAL:

- To provide an area for staff dining and for relaxing

PROGRAM ACTIVITIES:

- Staff dining
- Relaxation

SPATIAL RELATIONSHIPS:

- Adjacent to the Dining
- Access to Main Corridor

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 45
- Electrical outlet for equipment
- Windows to provide natural light, desirable

Loose Furnishings:

- L1 3 square tables
- L2 10-15 chairs
- L3 8-10 lounge chairs
- L4 2 end tables
- L5 2 table lamps
Wastebasket

Features¹:

Fixed Equipment:

	<u>Ref.#</u>
F1 Casework: Base/wall cabinets	123200
F2 24" x 60" mirror	102800
F3 Toilet tissue dispenser	102800
F4 36" and 42" grab bars	102800
F5 Soap dispenser	102800
F6 Towel dispenser	102800
F7 Shower curtain with rod	102800
F8 ADA shower accessories	102800

CAPACITY:

- Staff

SIZE:

- 350 SF

ANCILLARY SPACES:

- N/A

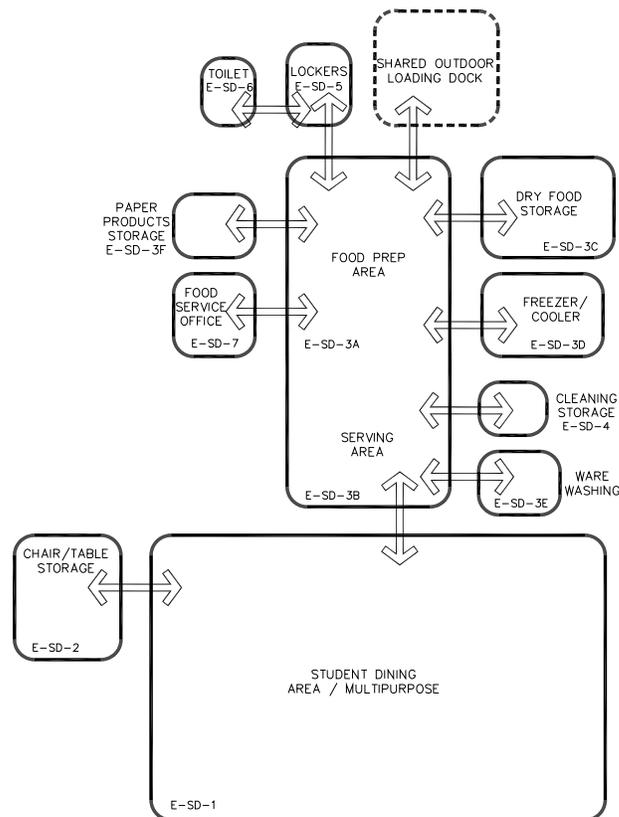


GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

Dinning and Food Services

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Student Dining Area/Multi-purpose (w/ serving line)	1	2,400	2,400	Diving wall for a small and large dining space
Chair and Table Storage	1	200	200	
Kitchen Suite	1	1500	1500	
Total			4,100	

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

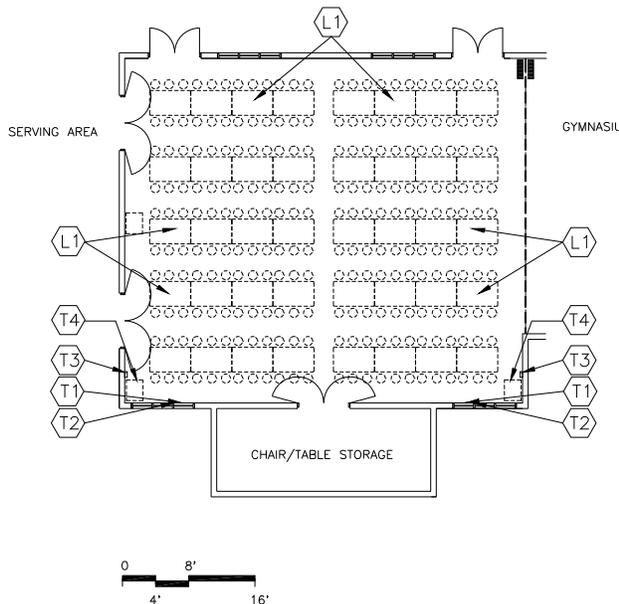




GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

STUDENT DINING AREA/MULTIPURPOSE

E-SD-1



CAPACITY:

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

SIZE:

- 2,400 SF

ANCILLARY SPACES:

- Serving Area (E-SD-3B)
- Gymnasium (E-PE-1)

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
- Centrally located to office area, classrooms, and media center
- Near parking and entry to building
- Adjacent and access to Gymnasium

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 for testing

TECHNOLOGY:

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



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

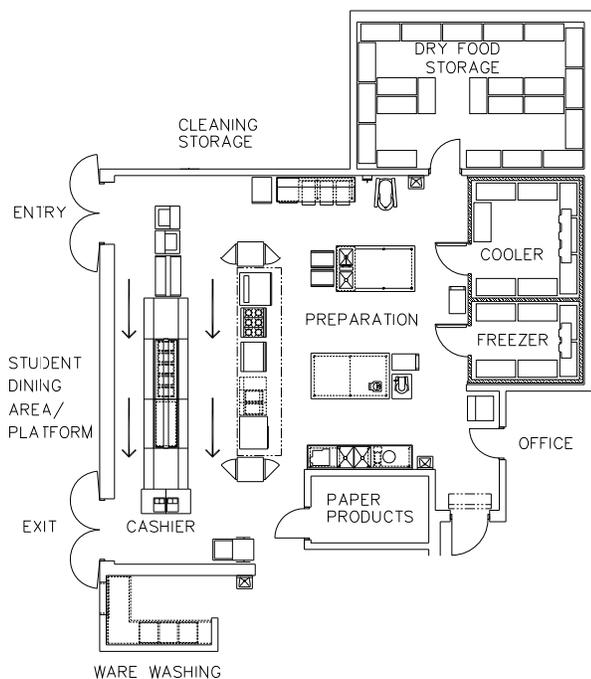
KITCHEN

E-SD-3

This space consists of the following areas:

Food Preparation Area	650
Dry Food Storage	225
Freezer & Cooler	200
Ware Washing	100
Paper Storage	100
Lockers	75
Toilet	50
Food Service Office	100
	1500

A space plate follows for each of these areas.



CAPACITY:

- Students
- Staff
- Community

ANCILLARY SPACES:

- Student Dining Area/Multipurpose (E-SD-1)

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

See Design Guidelines for detail requirements

NOTES:

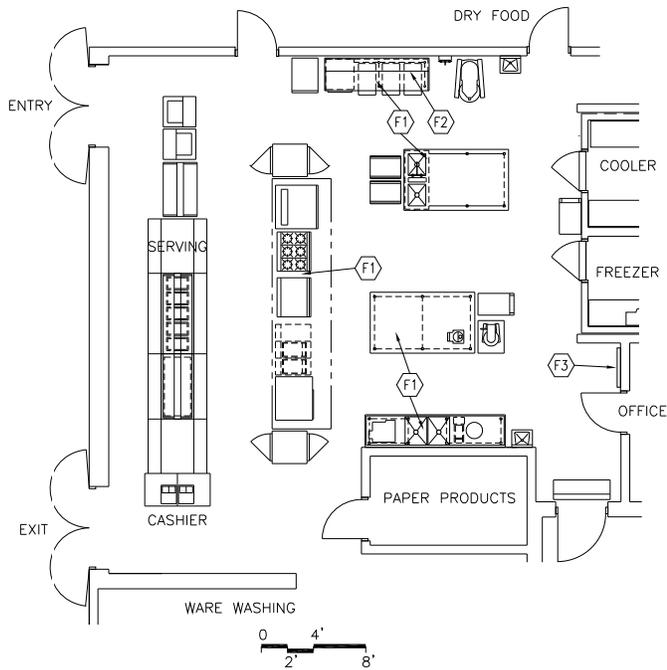
1. This is an example of a kitchen. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

FOOD PREPARATION AREA
3A

E-SD-



GOAL:

- To prepare student meals

PROGRAM ACTIVITIES:

- Prepare and warm food

SPATIAL RELATIONSHIPS:

- Adjacent to Student Dining Area/Multipurpose
- Open 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

CAPACITY:

- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

Kitchen (E-SD-3)

NOTES:

1. 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.



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

FOOD PREPARATION AREA

E-SD-3A

	Spec. Ref.#		Spec.
<u>Finishes</u> ¹ :			
Flooring:		<u>Fire Suppression</u> :	Div. 21
Quarry tile	093000	Fire suppression system	
Base:		<u>Plumbing</u> : Div. 22	
Quarry tile base	093000	Connections to food	
Resilient base	096519	service equipment	
Ceiling:		Plumbing and gas connections	
Cleanable, suspended, acoustical	095113	Hand washing lavatory	
Walls:		Floor drains	
Epoxy-painted concrete masonry units	042000 / 099123	<u>HVAC</u> : Div. 23	
		Supply/return air system	
		Independent temperature control	
		Kitchen canopy exhaust system	
		Air conditioning	
<u>Features</u> (Specifications from DCPS):		<u>Electrical</u> : Div. 26	
Equipment:		Duplex receptacles	
• Pot washing sinks		Connections to food	
• Food Preparation Sinks		service equipment	
• Hand Sinks		Single-level switching	
• Work Tables		Fluorescent lighting	
• Warming/Holding/Proofing Cabinets		Illumination level: See Table 7600-16	
• Refrigeration - Reach-ins		Clock	
• Storage shelving		Central sound system	
• Mop washing sink			
• Lockable chemical storage		<u>Communications</u> :	
• Exhaust Hood Systems, including Fire		N/A	
Suppression			
• Convection oven ,		<u>Electronic Safety and Security</u> :	Div. 28
• Convection steamer		Life safety devices per code	
• Range, with oven			
• Tilt Skillet		<u>Miscellaneous</u> :	
• Ware Washing Machine with		N/A	
appropriate accessories (tables, booster			
heater, disposer, etc.)			

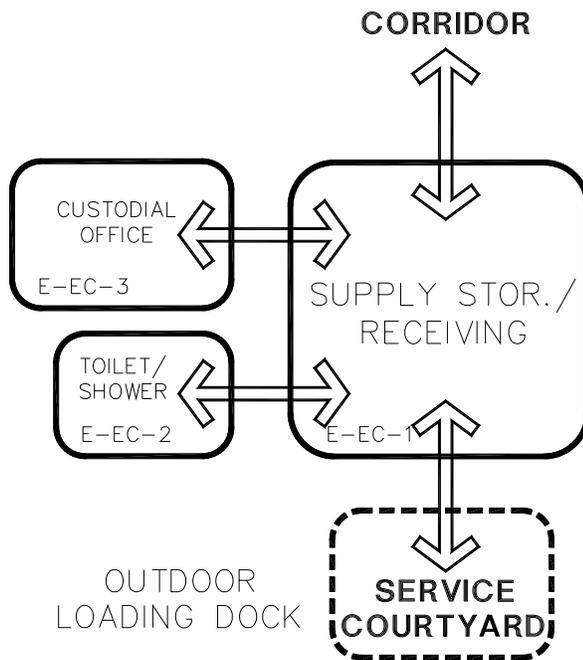


GOVERNMENT OF THE DISTRICT OF COLUMBIA
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ENGINEERING AND CUSTODIAN

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Supply Storage / Receiving	1	350	350	
Toilet/Shower	2	100	200	
Custodial/Engineer Office	1	150	150	
Total			700	

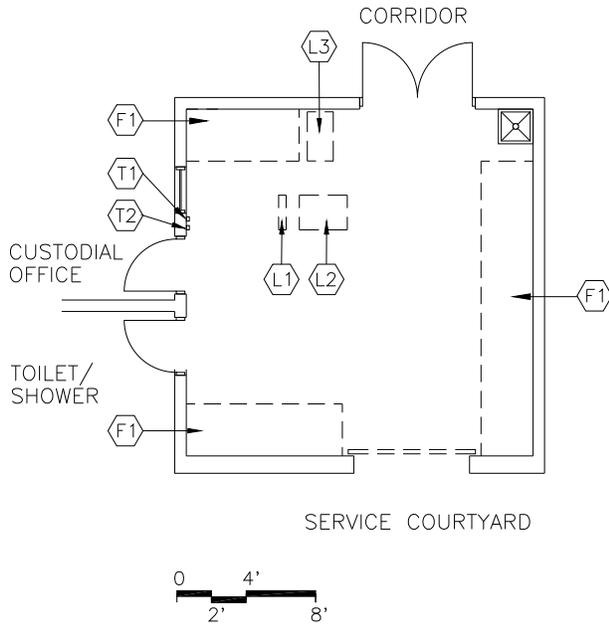
Comments: The overall total for the Engineering and Maintenance area may be + or – 5%.





SUPPLY STORAGE/RECEIVING

E-EC-1



GOAL:

- To serve as the central point for delivery and shipping of bulk commodities and equipment and provide adequate storage for supplies and materials

PROGRAM ACTIVITIES:

- Loading and unloading
- Storage of furniture, materials for special events, paper, and general supplies

SPATIAL RELATIONSHIPS:

- Adjacent and access to loading dock area and service courtyard
- Access to main corridor
- Adjacent and access to Custodial Office
- Adjacent and access to Toilet/Shower

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Supplemental heating source
- Double door with removable mullions
- Overhead door to service courtyard

CAPACITY:

- Maintenance personnel

SIZE:

- 450 SF

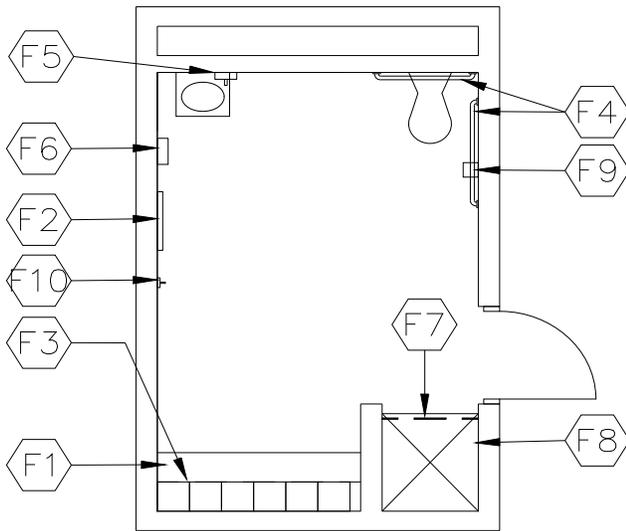
ANCILLARY SPACES:

- Toilet/Shower (E-EC-2)
- Custodial Office (E-EC-3)



TOILET/SHOWER

E-EC-2



GOAL:

- To provide a private toilet and shower facilities for maintenance and custodial staff

PROGRAM ACTIVITIES:

- Showering
- Changing clothes

SPATIAL RELATIONSHIPS:

- Adjacent and access to Supply Storage/Receiving

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Must be handicapped accessibility
- Improved exhaust capabilities

CAPACITY:

- Maintenance and custodial staff

SIZE:

- 100 SF

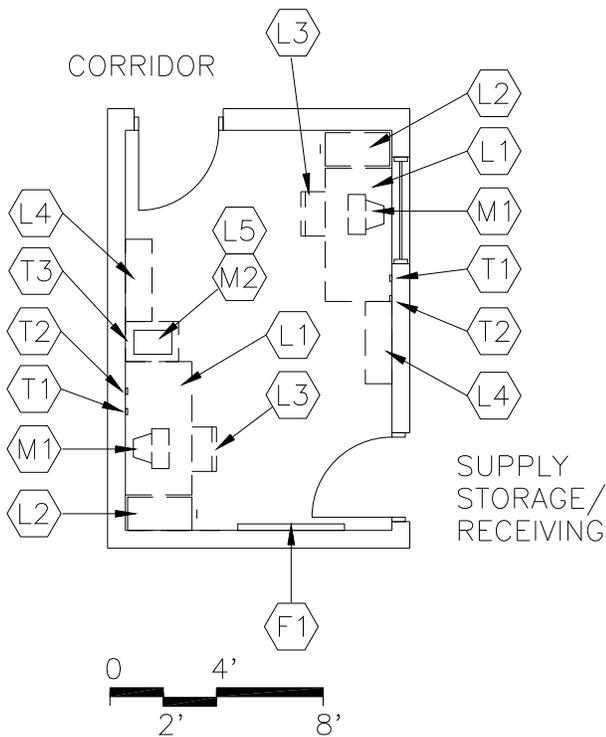
ANCILLARY SPACES:

- Supply Storage/Receiving (E-EC-2)



CUSTODIAL OFFICE

E-EC-3



GOAL:

- To provide an area for the maintenance manager, staff, and building engineer to provide supervision of the physical plan

PROGRAM ACTIVITIES:

- Conferences with staff and other visitors
- Telephone calls
- Paperwork

SPATIAL RELATIONSHIPS:

- Adjacent and access to Supply Storage/Receiving
- Access to corridor

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets for equipment
- Visual control from Supply Storage/Receiving

CAPACITY:

- Maintenance and custodial staff
- Building engineer

SIZE:

- 150 SF

ANCILLARY SPACES:

- Supply Storage/Receiving (E-EC-2)



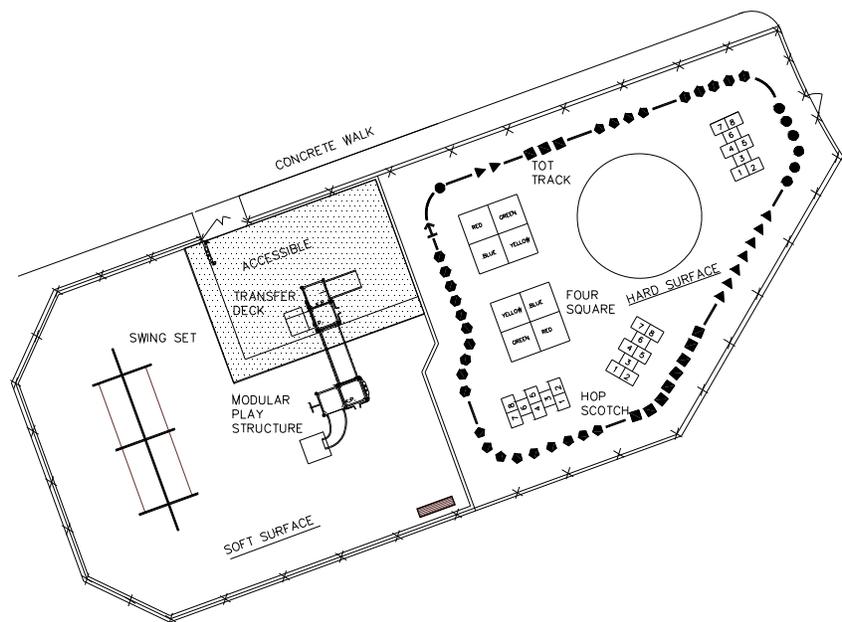
PLAYGROUNDS

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.



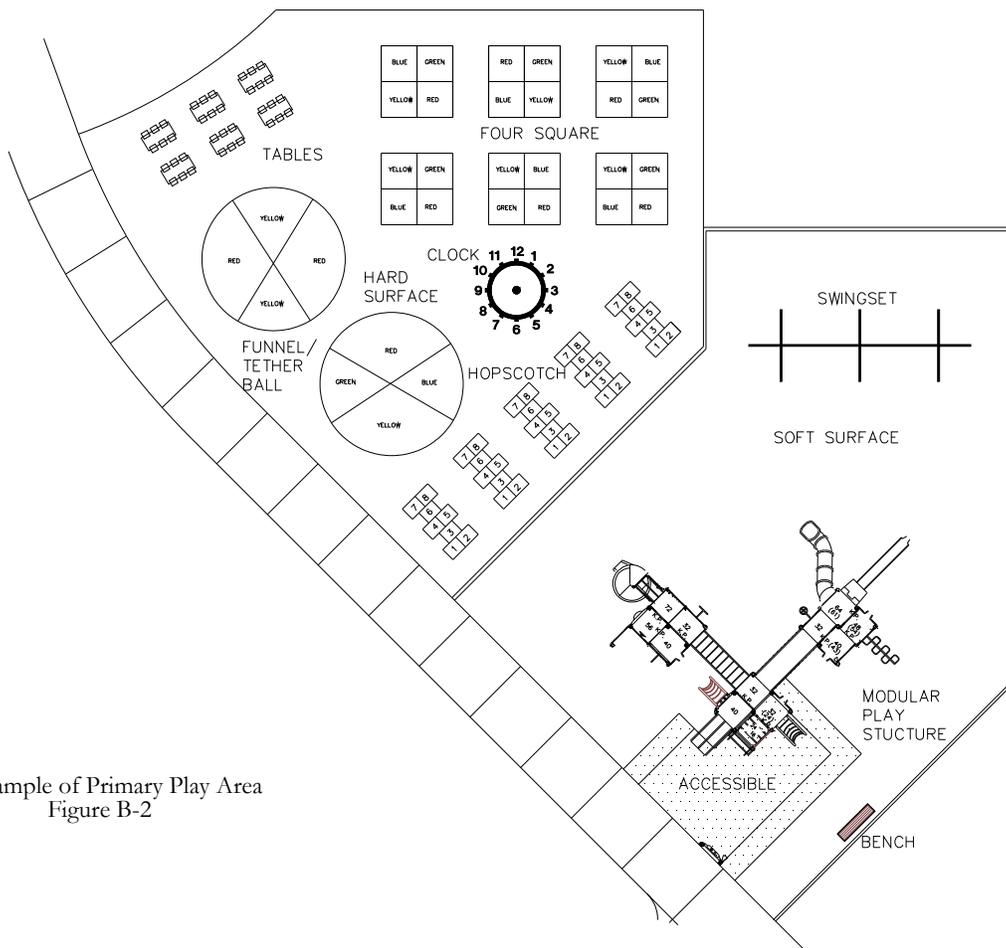
Example of Pre-kindergarten to Grade 1 Play Area
Figure B-1



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

Primary Play Area (See Figure B-2)

- 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.



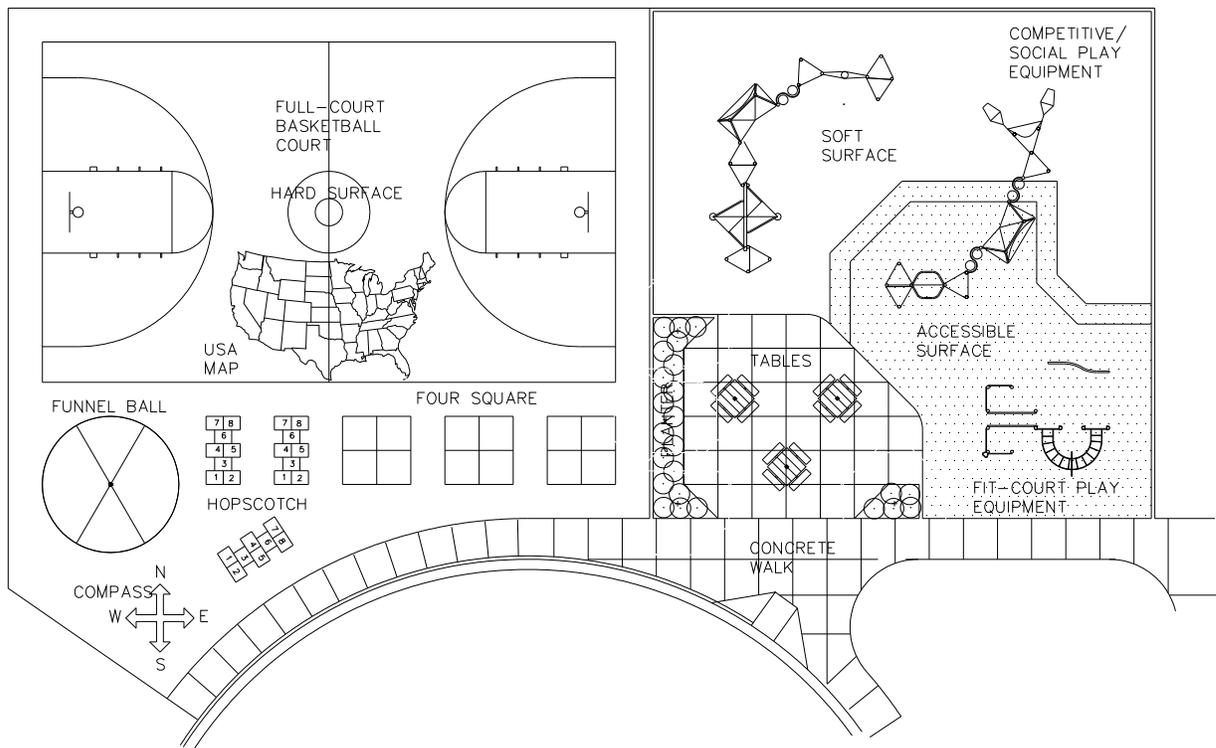
Example of Primary Play Area
Figure B-2



GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

Intermediate Play Area (See Figure B-3)

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

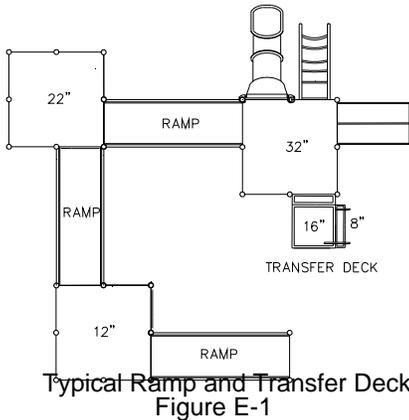


Example of Intermediate Play Area
Figure B-3

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



1. 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.
2. Provide table and benches along accessible route.
3. Provide upper-body strengthening devices as appropriate for age group and amount of supervision.

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