

**GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF GENERAL SERVICES**

**ARCHITECTURAL-ENGINEERING SERVICES
LAFAYETTE ELEMENTARY SCHOOL**

Solicitation #: DCAM-14-AE-0115

**Addendum No. 1
Issued: March 6, 2014**

This Addendum Number 01 is issued by e-mail on March 6, 2014. Except as modified hereby, the Request for Proposals (“RFP”) remains unmodified.

Item #1

Sign-in Sheet: The sign-in sheet from the preproposal conference is attached.

Item #2

Site Visit: A site visit will be held on **Wednesday, March 12, 2014 at 10:00 am**. Please meet Mike Quadrino, the Project Manager, at the main entrance of the school on Broad Branch Road. Please bring a form of government issued photo identification to comply with the school’s security procedures.

Item #3

Educational Specifications: Attached are draft Educational Specifications. Please note that this is a draft only. The Educational Specifications are undergoing review with the School Improvement Team and will continue to be enhanced during the concept design phase.

Item #4

The bid date remains unchanged. Proposals are due by **March 20, 2014 at 2:00 pm EST.** Proposals that are hand-delivered should be delivered to the attention of: Danyel Riley, Contract Specialist, at **Frank D. Reeves Center, 2000 14th Street, NW, 8th floor, Washington, DC 20009.**

- End of Addendum No. 1 -

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Preproposal Conference

March 5, 2014

Sign-in Sheet

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Name: Jason Myers Phone: 202.333.6230
Company: Robert Silman Associates CBE
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Name: Steve White Phone: 2/333 6446
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March 5, 2014
Sign-in Sheet

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Company: _____

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Company: _____
Email Address: _____

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Name: _____ Phone: _____
Company: _____
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Have you registered for the Constant Contact E-Mailing List? YES NO

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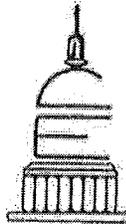
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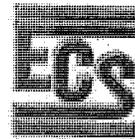
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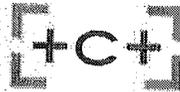
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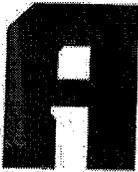
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GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

**Educational Specifications for
Lafayette Elementary School Addition and Modernization
800 capacity**

March 2014

DRAFT



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

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



GOVERNMENT OF THE DISTRICT OF COLUMBIA
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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

This project is a modernization of the existing school and an addition to increase the capacity to 865. Funding is spread over the 2015 and 2016 fiscal years. The phasing of the construction will be determined during the design process.

The existing school is 113,800 square feet. The completed project will be approximately 120,000 square feet and serve 800 students

- Five classes per grade (PK-5)
- Resource rooms and office areas (art, music)
- Media Center/computer lab
- Dining facility/kitchen
- Physical education
- Administration and teacher workrooms

Site work will be directed at parking and circulation management.

In the 1970's the school received an 'open space' addition and the existing historic building was renovated also for open space. To meet the acoustical requirements of the DCPS guidelines, it is assumed that all open space classrooms will be enclosed or replaced. The architect will consider all options to modernize and/or replace portions of the building. The original 1931-1942 buildings will be preserved.

Enrollment and Classroom Requirements

In 2013 the enrollment was as follows:

	Current Capacity	PREK/PRES	Kind	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total
Lafayette ES in 2011	516	79	104	98	104	111	101	93	690

This Plan 1 proposes a future capacity of 850 and 5-6 classes per grade.



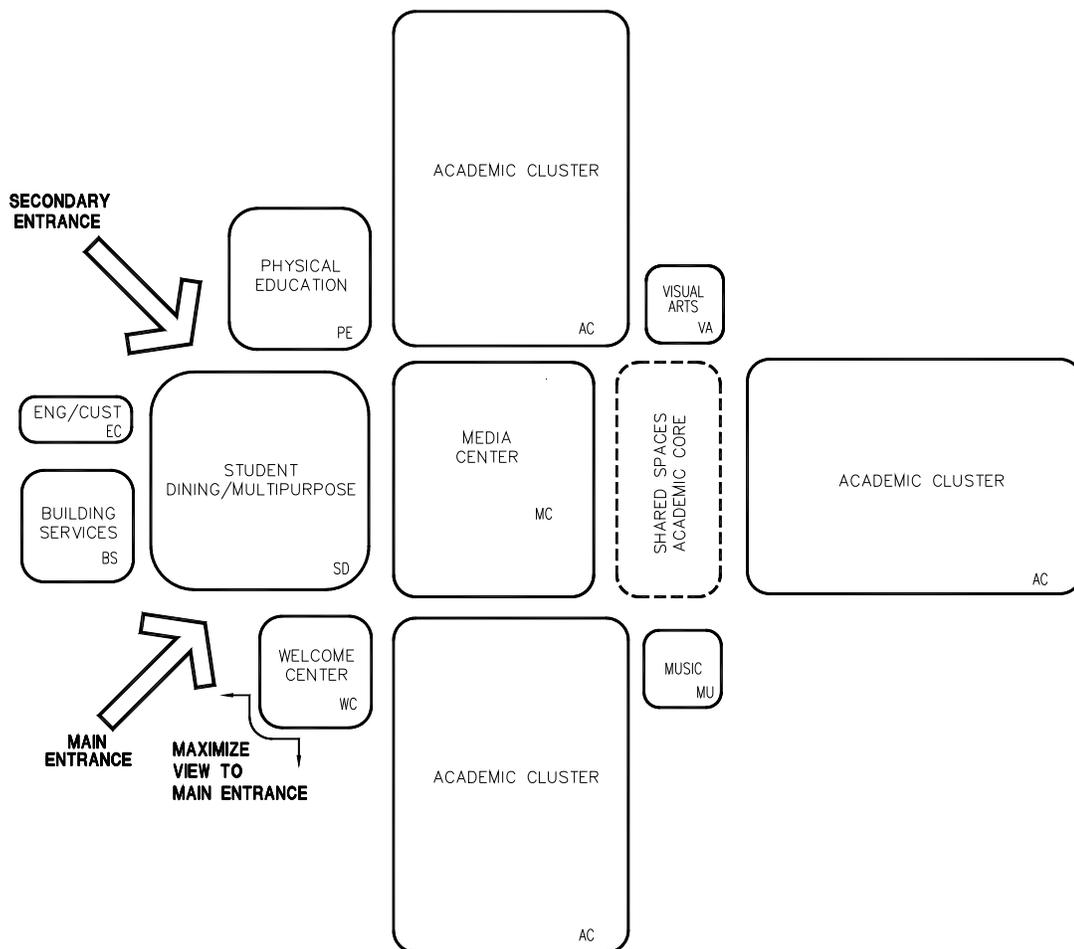
Overview of Planning Concepts

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





Core Instructional Spaces

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

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 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.

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.
- Mentoring of older to younger students
- Extended day learning opportunities
- Parent involvement and volunteer activities

“Welcome Area”/Administration/Student Services

Currently the entry lobby is large and welcoming. This is a gathering place for parents and visitors and a great asset for the school. 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.

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

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



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discontinue, rather digital technology will enhance voice, video, and data communications within the school, among district facilities, and with distant learning resources.

Visual Arts, Performing Arts and Science

The art, music, and multi-purpose classrooms will be shared by all grade levels for general class and small group instruction. The location and access to these rooms should promote orderly transitions.

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

Physical Education

To support the elementary school physical education program, a variety of indoor and outdoor areas are required. Outdoor physical education teaching areas will be located near the indoor gymnasium. Indoor play space will also be used as a performance area. Physical education facilities must be designed with a focus on community use during non-school hours, since there is a high demand for both indoor and outdoor facilities.

Community Use

It is assumed that the community will 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.

The physical education and performance areas will need to be secured from the rest of the building for nighttime access.

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.

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.

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 will be provided to prevent congestion of busy streets

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.



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Environmental Performance Criteria

Scientists who study the "neuroscience of learning" are finding that certain lighting, acoustics, and spatial relationships support or hinder the learning process. The following criteria should be used when creating optimal learning and teaching environments.

Lighting Quality: Improving natural and artificial lighting in classrooms

NOTES	DESIGN PARAMETERS	PARAMETER
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.

NOTES	DESIGN PARAMETERS	PARAMETER
1) Winter Temperature ASHRAE 55-04	68.5 to 75.5 degrees	EPA 2000 &
Summer Temperature	74 to 80 degrees	
2) Humidity ASHRAE 55-04	30 % to 60% relative humidity	EPA 2000 &
3) Air Changes	6-10 per hour	ASHRAE
4) Outdoor Air Ventilation area	10CFM per person	Plus 0.12 per SF of
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



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

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

Technology: Providing data connections for online learning resources, AV equipment, closed-circuit televisions, and a sound system with emergency capabilities.

NOTES	DESIGN PARAMETERS	PARAMETER
1) Data / Computer Drops	At Teacher and Student Computers at wireless access points	
2) Audio / Video Equipment		
Interactive Whiteboard		
Document cameras		
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		

Sustainability: Build for energy efficiency

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



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.



DCPS Recycles!

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

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

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

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

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



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Proposed Capacity

Grade	Room Use		Total
	Number of Classrooms	Capacity (Program)	
Pre-K /Pre-S	5	18	90
Kindergarten	5	22	110
1st Grade	5	22	110
2nd Grade	5	22	110
3rd Grade	5	25	125
4th Grade	5	25	125
5th Grade	5	25	125
Total	44		795

Building Space Summary

Space Summary	Total
Core Academic/Special Education Areas (Phase 1)	46,270
Media Center	5,500
Visual Art and Music and Science (Phase 1)	4,300
Physical Education (or as is)	4,100
Administration	5,350
Student Dining & Food Service	7,650
Maintenance & Custodial Services	1,220
Mechanical, Electrical, Toilets, Custodial Closets	29,503
Total Net	103,893
Construction Factor[.082]	8,519
Total Gross	112,412

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
Multi-purpose field (shared with Parks and Rec)
Faculty, Staff, and Visitor Parking (80-90 spaces)



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Core Academic Area Space Requirements

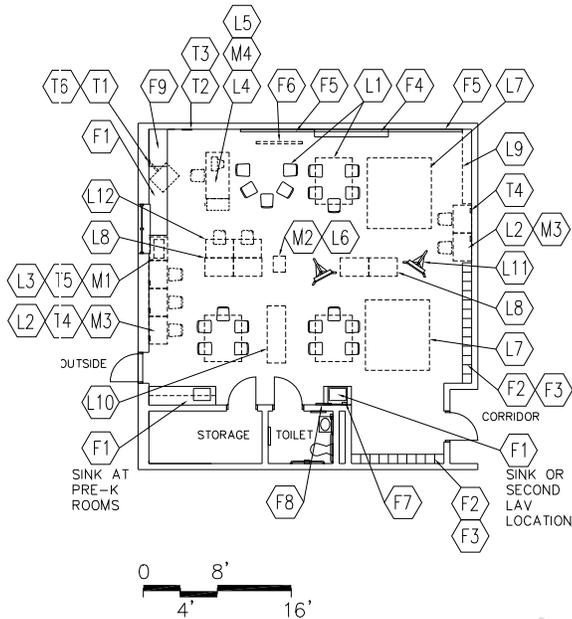
Spaces	Suggested			Comments
	Quantity	S.F.*	Total	
Pre-Kindergarten Classroom	5	1,175	5,875	Includes 50 sf toilet and 100 sf storage closet
Kindergarten Classroom	5	1,175	5,875	Includes 50 sf toilet and 100 sf storage closet
Grade 1 Classroom	5	900	4,500	
Grade 2 Classroom	5	900	4,500	
Grade 3 Classroom	5	900	4,500	
Grade 4 Classroom	5	900	4,500	
Grade 5 Classroom	5	900	4,500	
Grade level commons	7	600-800	5,600	Part of cluster circulation
Resource Classroom (Sped)	4	450	1,800	Two each in the primary wing and the intermediate wing w/ dividing wall
Resource Classrooms	4	450	1,800	Reading and Math; Two each in the primary wing and the intermediate wing w/ dividing wall
Offices	4	100	320	Councilors, psychologist. Tech coordinator
Speech Room	1	200	200	
Special education Suite	2	150	500	itinerant
• Office	1	200		
• Conference rm.				
Occupational /Physical Therapy	1	250	250	50 sf of storage
Storage	2	400	800	Primary, Intermediate
Workroom/Teacher Office	3	250	750	
Total			46,270	

The architect will be expected to minimize the movement of 'hard' walls and fit the proposed programmed spaces into the existing building. 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.



PRE-K-S / KINDERGARTEN

E-ACA-1A



CAPACITY:

- Teachers
- 18-22 students (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
- 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

	Spec. <u>Ref.#</u>		Spec. <u>Ref.#</u>
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Rubber tile	096519/096816	F1 Casework:	123200
Base:		Base/wall cabinets by sink	
Resilient base	096519	Sturdy shelving on 3 walls in storage area	
Ceiling (9' high minimum):		F2 Carpentry:	
Suspended, acoustical	095113	Student cubbies (24)	064123
Walls:		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 20-24 stackable chairs, 5-6 tables		16 LF primary/8 LF secondary	
L2 2 computer stations w/ chairs		F5 Tack board flanking marker boards	
L4 Teacher work surface 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	
L7 Bound carpet rug (oval), rug for block area, rug for reading area		(60"X60")115213 ³	
L8 Mobile shelving (various)		F7 Soap dispenser	102800
L9 Bookshelves (open or closed)		F8 Towel dispenser	102800
L11 Learning center sets such as sand/water tables, kitchen, child-height dining, dress-up center, art cart, science light board, and blocks.		F9 Casework: Wardrobe (18"X18")	123200
<u>Communications:</u>	Div. 27	<u>Fire Suppression:</u>	Div. 21
Single point 'face plate' near teachers work station to include:		Fire suppression system	
Voice, data, VGA , audio enhancement, and HDMI		<u>Plumbing:</u>	Div. 22
Additional ports:		Sink with drinking fountain	
Printer		Plumbing connections	
Cable/MATV port		Wall-mounted watercloset	
3 data ports for student use		Wall-mounted lavatory	
Electronic white board		<u>HVAC:</u>	Div. 23
Clock/PA		Supply/return air system	
2 wireless		Independent temperature control	
<u>Miscellaneous:</u>		Exhaust air system (toilet)	
M1 Printer		<u>Electrical:</u>	Div. 26
M2 Projection device	Div. 27	Duplex receptacles	
M3 2 computers for students use		3 per primary teaching wall	
M4 Computer for teachers use		At least 2 per other walls	
Audio enhancement equipment		TVSS protected quad receptacle adjacent to each data and video port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	

NOTES:

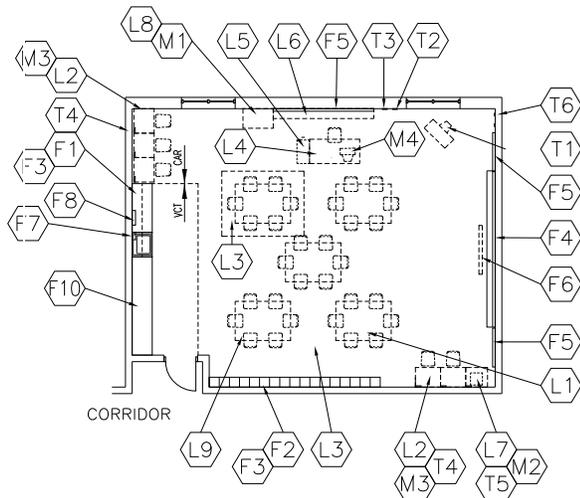
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Delete if digital white board is installed.



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

GRADES 1-5 CLASSROOM

E-ACA-2



SIZE:

- 850 SF to 950 SF

CAPACITY:

- 22 students (1st – 2nd)
- 25 students (3rd – 5th)
- 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>
Flooring:		Fixed Equipment:	
Rubber tile flooring	096519	F1 Casework:	123200
Base:		Base/wall cabinets by sink	
Resilient base	096519	Sturdy shelves on 3 walls in storage area	
Ceiling (9' high minimum):		F2 Carpentry:	
Suspended, acoustical	095113	Student cubbies (28)	064123
Walls:		F3 Casework:	
Painted concrete masonry units	042000/099123	Wall shelving (24 LF- H 30-32")	123200
One tackable wall surface	101100	F4 Marker board (2 walls)	101100
		16 LF primary/8 LF secondary	
<u>Loose Furnishings:</u>		F5 Tack board flanking marker boards	101100
L1 6 tables or 24 student desks (see Furniture Standards)		Plus two (2) parallel rows of continuous tack strips on all available walls (4 LF or longer) at 30" and 48" AFF	
One kidney/horseshoe table		F6 Manual projection screen (60"X60")	115213 ²
L2 2 computer workstations and 2 chairs – student use (swivel)		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:	
L5 Four drawer file cabinet or lateral file		Wardrobe (18"X18")	12320
L9 27 student chairs		Tall storage cabinet (Optional)	
<u>Communications:</u>	Div. 27	<u>Plumbing:</u> Div. 22	
Single point 'face plate' near teachers work station to include:		Sink with drinking fountain	
Voice, data, VGA , audio enhancement, and HDMI		Plumbing connections	
Additional ports:		<u>HVAC:</u> Div. 23	
Printer		Supply/return air system	
Cable/MATV port		Independent temperature control	
3-5 data ports for student use		<u>Electrical:</u> Div. 26	
Electronic white board		Duplex receptacles	
Clock/PA		3 per primary teaching wall	
2 wireless		2 per other walls	
<u>Electronic Safety and Security:</u>	Div. 28	TVSS protected quad receptacle adjacent to each data and video port	
Life safety devices per code		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Miscellaneous:</u>	Div. 27
		M1 Projection device on cart or interactive board	
		M2 Printer	
		M3 2 computers for student use	
		M4 Computer for teacher use	
		Audio enhancement equipment	

NOTES:

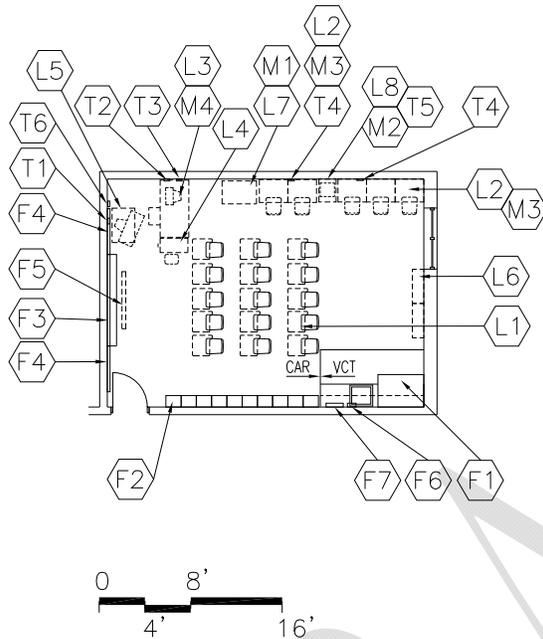
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Delete where a digital white board is installed.



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

RESOURCE CLASSROOM

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
3. Sink shall be located with close proximity to corridor.



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

RESOURCE CLASSROOM

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:		F3 Marker board (8 LF)	101100
Resilient base	096519	F4 Tack board (8 LF minimum)	101100
		F5 Manual projection screen	115213
Ceiling (9' high minimum):		F8 Casework:	
Suspended, acoustical	095113	Wardrobe	123200
		Tall cabinet (optional)	
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted concrete masonry units or dry wall	042000/099123	Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u> Div. 22	
L1 8-12 student desks or 3 student tables		none	
L2 2 computer workstations and chairs		<u>HVAC:</u> Div. 23	
L3 Teacher workstation and chair		Supply/return air system	
L4 Four-drawer file cabinet or lateral file		Independent temperature	
L5 Mobile shelving		Control	
L6 Adjustable height bookshelves (20 LF)		<u>Electrical:</u> Div. 26	
<u>Communications:</u>	Div. 27	Duplex receptacles	
Single point 'face plate' near teachers work		3 per primary teaching wall	
station to include:		2 per other walls	
Voice, data, VGA , audio enhancement,		TVSS protected quad receptacle	
and HDMI		adjacent to each data and	
Additional ports:		video port	
Printer		Fluorescent lighting	
Cable/MATV port		Illumination level: See Table 7600-16	
2-3 data ports for student use		Multilevel switching	
Electronic white board		Clock	
Clock/PA		Central sound system	
1 wireless		<u>Electronic Safety and Security:</u>	Div. 28
<u>Miscellaneous:</u>		Life safety devices per code	
M1 Projection device on cart or			
Interactive board	Div. 27		
M2 Printer			
M3 2 computers for student use			
M4 Computer for teacher use			

NOTES:

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



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

COMMONS ACTIVITY AREAS

E-ACA-3



GOAL:

- To provide flexible, shared learning support space for various group sizes and activities

PROGRAM ACTIVITIES:

- Small group learning centers
- Story telling
- Team activities
- Individual activities

SPATIAL RELATIONSHIPS:

- Provided for grades K-5
- Located within classroom clusters

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 40
 - Ceiling minimum: CAC 35
- Coordinate commons finishes and loose furnishings with corridors
- Coordinate plumbing/HVAC/electrical/technology needs with building's overall technology plan
- Provide borrowed lites for visual supervision from adjacent areas

CAPACITY:

- 4-25 students
- 1-2 teachers

SIZE:

- 600-800 SF

ANCILLARY SPACES:

- Grades K-5 Classroom

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Optional window wall(s) at corridor(s) at 3'-4" A.F.F. to accommodate base cabinets and computer carts at side walls.



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

COMMONS ACTIVITY AREAS

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring: Rubber	096516	Fixed Equipment: F1 Casework: Base cabinets	123200
Base: Resilient base	096519	F2 Marker board (8 LF) F3 Tack board (8 LF) F4 Manual projection screen	101100 101100 115213
Ceiling: Suspended, acoustical	095113	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Walls: Painted concrete masonry units or dry wall 042000/099123 One tackable wall surface	101100	<u>Plumbing:</u> Div. 22 None <u>HVAC:</u> Div. 23 Supply/return air system <u>Electrical:</u> Div. 26 Multilevel switching Duplex receptacles TVSS protected quad receptacle adjacent to each data and video port Fluorescent lighting Illumination level: See Table 7600-16 Clock Central sound system	
<u>Loose Furnishings:</u> TBD		<u>Communications:</u> T1 Wireless port	Div. 27
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28

NOTES:

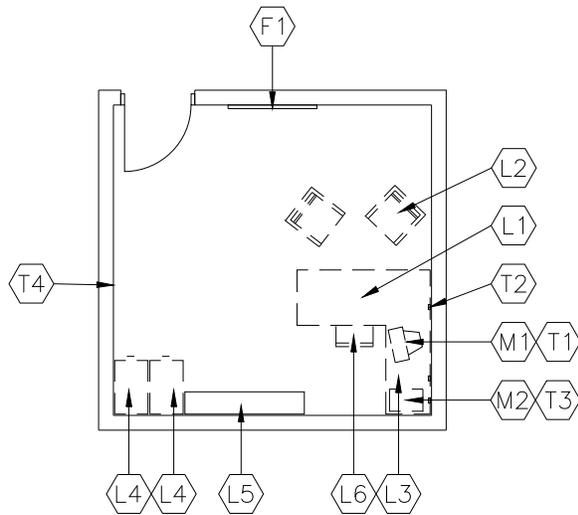
Finishes/Features: Refer to Chapter 8 for specification references.



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

ALL OFFICES

M-AC-10



CAPACITY:

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

SIZE:

- 80-150 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

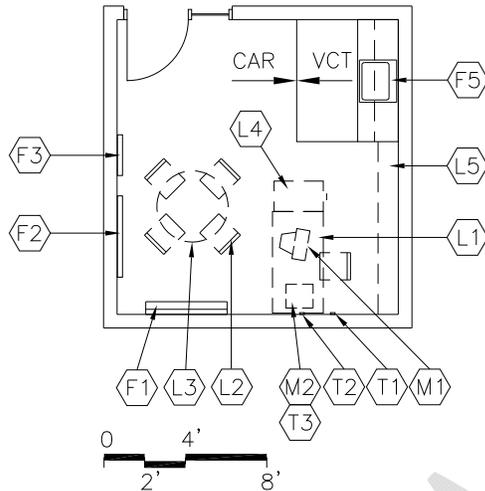
Loose Furnishings:

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



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

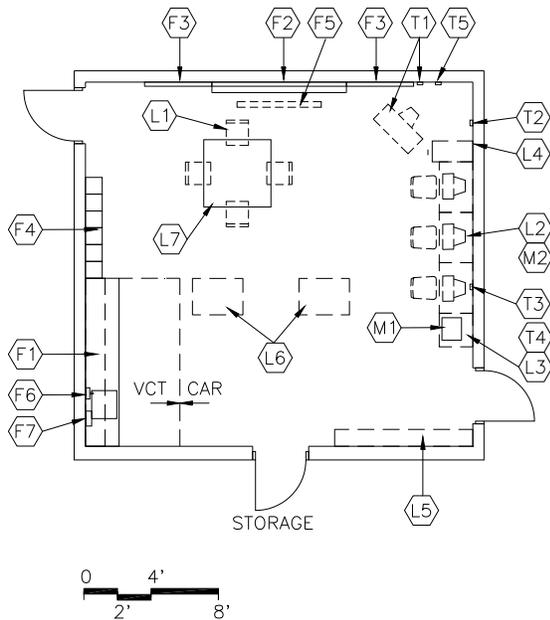
Features¹:

	<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:

- M3 2 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:

Flooring: Rubber tile Ref.# 096519

Base: Resilient base 096519

Ceiling (9' high minimum):
Suspended, acoustical
Beam for hanging equipment 095113

Walls:
Painted concrete masonry units 042000/099123

Loose Furnishings:

- L1 1-2 tables and 4 student chairs
- L2 2 computer workstations and chairs
- L4 Teacher workstation with mobile storage and chair
- L6 Adjustable height bookshelves (24 LF)

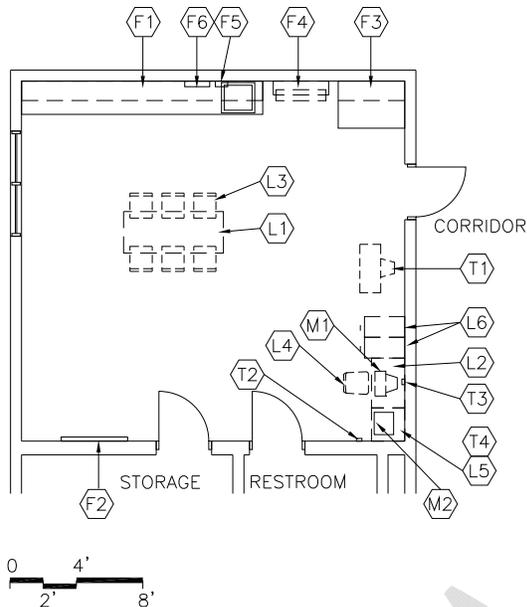
Communications:

- T1 Video port, VCR/DVD, monitor, and brackets Div. 27
- T2 Voice port and phone
- T3 Data port near teacher workstation
- T4 2 data ports for student use



WORKROOM/TEACHER COLLABORATION

E-ACA-12



CAPACITY:

- Teachers
- Teachers' assistants
- 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:

M2 Networked Printer

SPATIAL RELATIONSHIPS:

- Near Academic Core classrooms
- This area should 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	6-8 task chairs
L5	Printer table

Communications:

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

Features¹:

	<u>Spec.</u>	<u>Ref.#</u>
Fixed Equipment:		
F1	Casework: Base cabinets (w/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

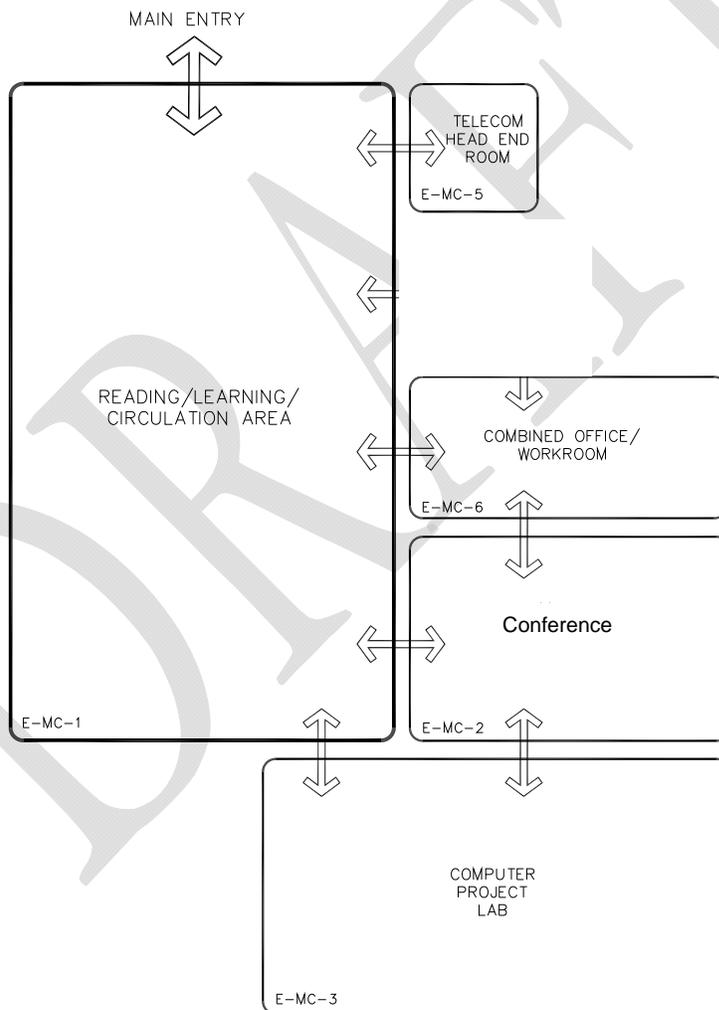


GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

MEDIA CENTER

Spaces	Qty.	S.F.	Total	Comments
Reading/Learning/Circulation	1	3,200	3,200	
Media Conference Rm	1	800	800	
Computer Project Lab	1	900	900	
Office/Workroom	1	300	300	
Storage	1	200	200	
Telecom Head End Room	1	100	100	
Total			5,500	

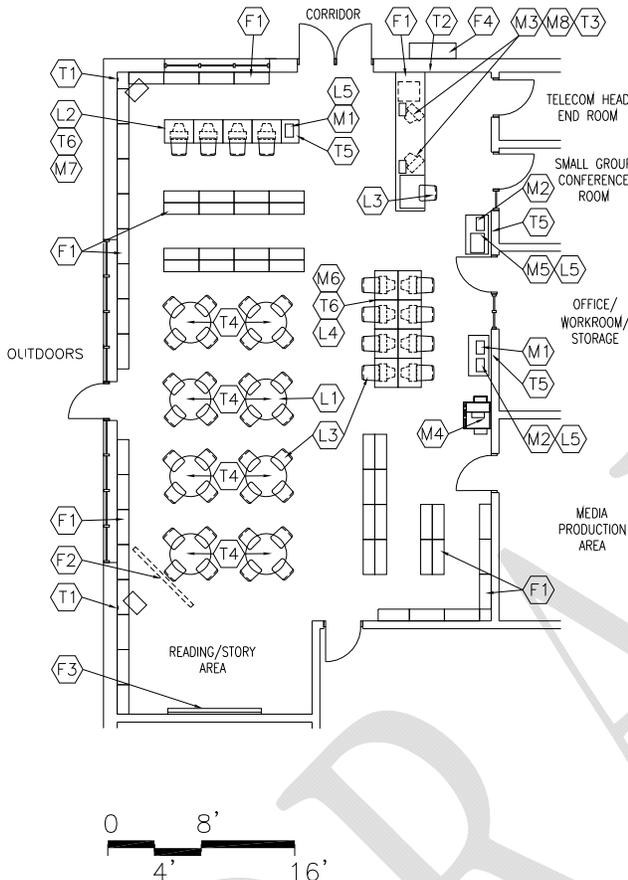
Comments: Spaces within the Media suite may vary up to 15% and may be combined to facilitate circulation and supervision. The overall square footage may be + or – 15%.





READING / LEARNING / CIRCULATION AREA

E-MC-1



CAPACITY:

- 65 students
- 3 teachers
- 1 media specialist
- Media assistant
- Community patrons after school hours

GOAL:

- To provide students, staff and community with access to information and quiet study areas
- To provide a place for on-line testing

PROGRAM ACTIVITIES:

- Reading
- Circulation of materials and resources including online catalogs
- Large group and small group instruction
- Provide meeting areas for community, staff, and parents
- Research
- Dramatic reading and storytelling

SPATIAL RELATIONSHIPS:

- Circulation area located close to entrance/exit
- Reference/professional/periodical areas located near entrance and close to circulation
- Two catalog station areas centrally located

ENVIRONMENTAL CONSIDERATIONS:

- Recessed floor (data and duplex) outlets in floor at tables
- Adequate ventilation
- Lighting appropriate to task with switches to dim separate zones of Media Center
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets at entrance for future security system
- Electrical outlets at all column locations
- Windows to provide natural light
- Security of school when center is in use after school hours
- Ceiling height in proportion to room dimensions
- Open flow for traffic in reference/professional/periodical areas
- Electrical outlets in toe space of wall shelving
- Window treatment to darken room for AV presentation

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Freestanding book stacks shall be 42" high. Book stacks against the wall may be 60" to 84" high. Coordinate with other equipment and windows.



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

READING / LEARNING / CIRCULATION AREA		E-MC-1
	Spec. Ref.#	Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>
Flooring:		Fixed Equipment:
Carpet	096816	F1 Library casework (see furniture standards)
Base:		F2 Motorized projection screen
Resilient base	096519	F3 Marker board (8 LF)
Ceiling:		F4 Display cases
Suspended, acoustical	095113	<u>Fire Suppression:</u>
Walls:		Div. 21
Painted concrete masonry units		Fire suppression system
042000 / 099123		<u>Plumbing:</u>
<u>Loose Furnishings:</u>		N/A
L1 10, four-person tables (different heights)		<u>HVAC:</u>
L2 2-4 automated card catalog stations		Div. 23
L3 55 chairs (different heights)		Supply/return air system
L4 12 research stations		Independent temperature control
L5 Printer table		<u>Electrical:</u>
Soft seating for 10		Div. 26
<u>Miscellaneous:</u>		Duplex receptacles
M1 Black and white printers		TVSS protected quad receptacle adjacent to each data and video port
M2 Color printers		Single-level switching
M3 2 bar code readers		Fluorescent lighting
M4 Photocopy machine		Illumination level: See Table 7600-16
M5 Digital scanner		Means of egress lighting per code
M6 8-12 computers for student use		Central sound system
M7 2-4 computers for reference		Floor boxes (electrical/data) throughout reading room for flexible loose furnishings layout
M8 2 computers for staff use		<u>Communications:</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 12 data ports for student use
		T5 3 data ports for printers
		T6 12 data ports for automated data card cat
		Cable/MATV port
		<u>Electronic Safety and Security:</u>
		Div. 28
		Life safety devices per code

NOTES:

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



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

MEDIA CONFERENCE

E-MC-2

CAPACITY:

- 20-25 staff, visitors, students
- Community patrons after school hours

ANCILLARY SPACES:

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

Finishes¹:

	<u>Ref.#</u>
Flooring:	
Carpet	096816
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	
Writable surface on all walls	
	042000 / 099123

Loose Furnishings:

- Adjustable height bookshelf (12 LF)
- 25 task chairs
- Conference table w/ technology

GOAL:

- To provide a place for meetings, professional research and collaboration and flexible educational space

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting with an appropriate visual comfort level
- Environmental sound control:
 Wall minimum: STC 45
 Ceiling minimum: CAC 40
 Acoustically improved entry door
- Electrical outlets for equipment
- Special lighting for video production
- HVAC control separate from Media Center
- Provide visual control from media center

Features¹:

- Fixed Equipment:**
- Base cabinets with sink
 - Writable surface on all walls

Spec.
Ref.#

Plumbing:

- Sink

HVAC: Div. 23

- Supply/return air system
- Independent temperature control

Electrical: Div. 26

- Duplex receptacles
- TVSS protected quad receptacle adjacent to each data port
- Multilevel switching
- Fluorescent lighting with parabolic lenses
- Central sound system

Communications:

Div. 27

- Video port, monitor, VCR/DVD, and brackets
- Voice port and phone
- Flat screen monitor connections in table

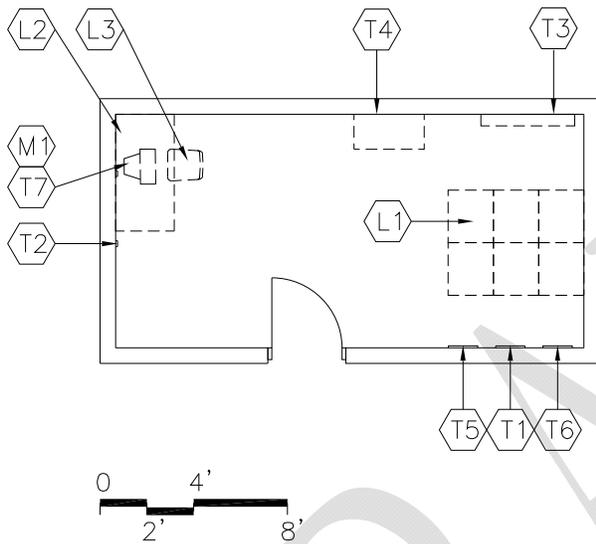
NOTES:

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



TELECOM HEAD END ROOM

E-MC-5



CAPACITY:

- 1-2 staff members

SIZE:

- 200 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

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

TELECOM HEAD END ROOM

E-MC-5

<u>Finishes</u> ¹ :	Spec. Ref.#	<u>Features</u> ¹ :	Spec. Ref.#
		N/A	
Flooring: Resilient tile flooring	096519	<u>Fire Suppression</u> : Fire suppression system	Div. 21
Base: Resilient base	096519	<u>Plumbing</u> : N/A	
Ceiling: Suspended, acoustical	095113	<u>HVAC</u> : Supply/return air system Independent, packaged system	Div. 23
Walls: Painted concrete masonry units	042000 / 099123	<u>Electrical</u> : Duplex receptacles Quad receptacles for electronic systems Single-level switching Fluorescent lighting Illumination level: See Table 7600-16 Central sound system	Div. 26
<u>Loose Furnishings</u> : L1 6-8 technology racks L2 Workstation L3 Ergonomic task chair		<u>Communications</u> : T1 Data network system T2 Voice port and phone T3 Telephone switchgear T4 Video network control T5 Satellite dish connection T6 Satellite/cable system controls Access	Div. 27 17430
		<u>Electronic Safety and Security</u> : Life safety devices per code	Div. 28
		<u>Miscellaneous</u> : M1 Computer	

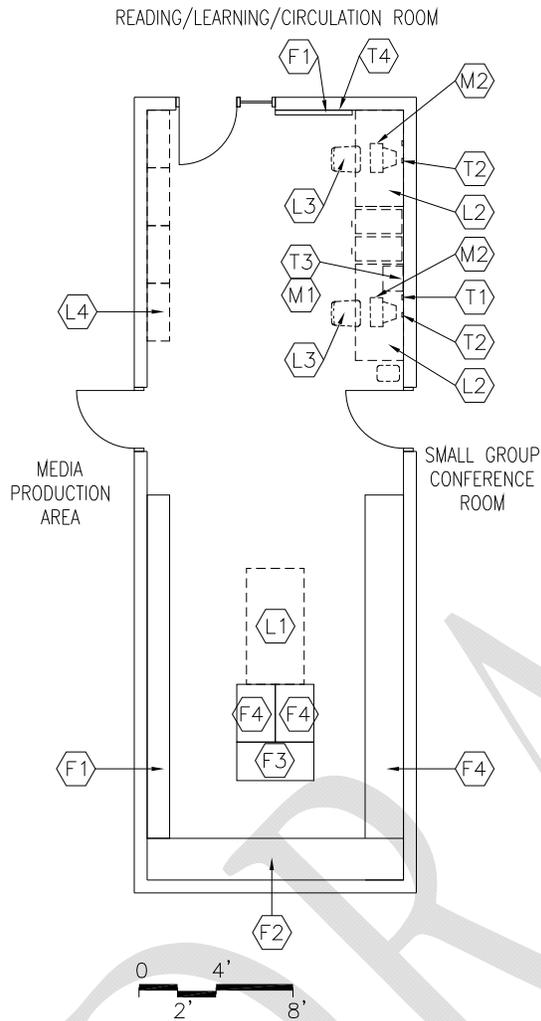
NOTES:

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



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

COMBINED OFFICE / WORKROOM E-MC-6



CAPACITY:

- Media specialists

SIZE:

- Varies, see table

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

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

COMBINED OFFICE / WORKROOM

<u>Finishes</u> ¹ :	Spec. Ref.#	<u>Features</u> ¹ :	Spec. Ref.#
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Storage shelving	105613
Base:		F2 Casework:	
Resilient base	096519	Tall cabinet (24" deep)	123200
Ceiling:		F3 Poster/map storage	123200
Suspended, acoustical	095113	F4 Casework:	
Walls:		Base cabinets with power	123200
Painted concrete masonry units	042000 / 099123	Fire Suppression:	Div. 21
Loose Furnishings:		Fire suppression system	
L1 Work table		Plumbing:	
L2 Computer workstation		Plumbing for sink	
L3 Chair		HVAC:	Div. 23
L4 Adjustable height bookshelves		Supply/return air system	Div. 15
L5 Four – drawer file cabinets		Electrical:	Div. 26
		Duplex receptacles	
		At casework island	
		TVSS protected quad receptacle	
		adjacent to each data port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		Communications:	Div. 27
		T1 Voice port and phone	
		T2 Data port	
		Electronic Safety and Security:	Div. 28
		Life safety devices per code	
		Miscellaneous:	
		M1 Printer	
		M2 2 computers	

NOTES:

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



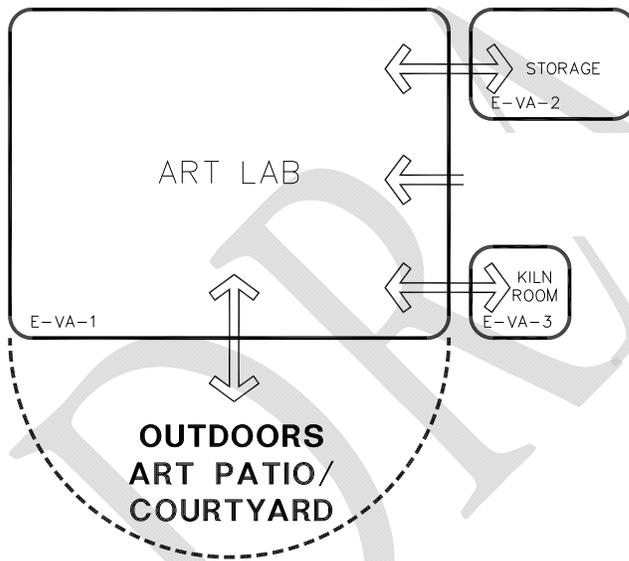
GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

VISUAL AND PERFORMING ARTS

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Visual Arts Lab	1	1100	1100	
Kiln Room	1	100	100	
Storage	2	150	300	
ECE arts integration room	1	900	900	Art/music/PE
Arts Integration Coordinator	1	150	150	
General Music Room w/ storage	1	1150	1150	
Instrumental Room	1	600	600	
Total			4,300	

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

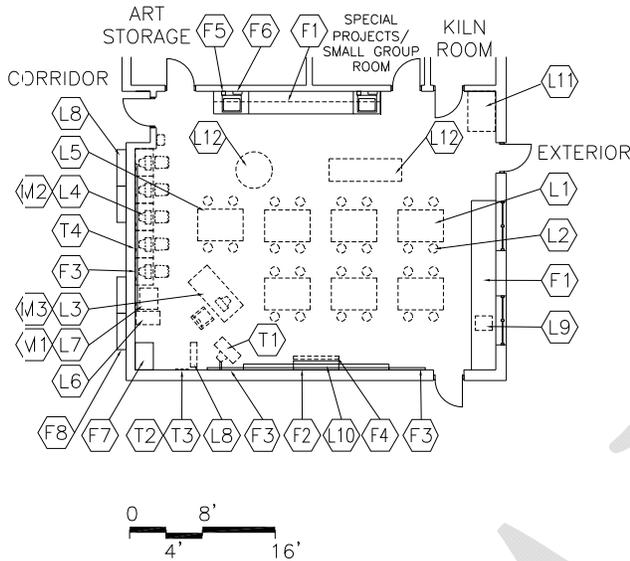
VISUAL ARTS SPATIAL RELATIONSHIPS





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

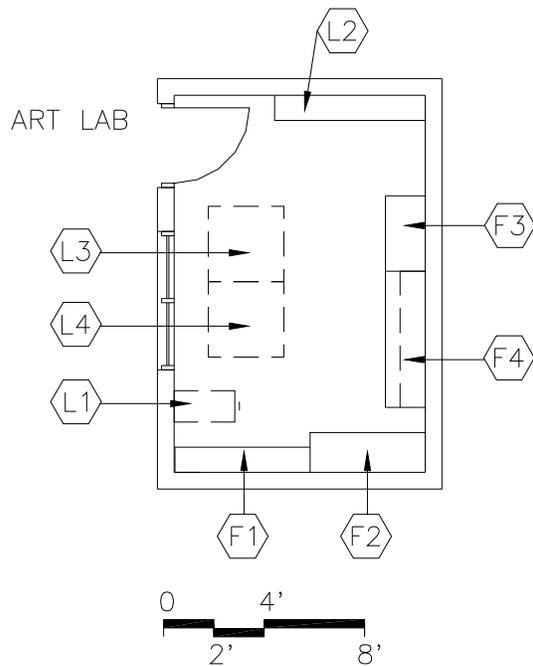
Fixed Equipment:

F1	Casework: 30" high base/wall cabinets and shelving Paper storage cabinets	123200
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



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

CAPACITY:

- 1 teacher

SIZE:

- 150 SF

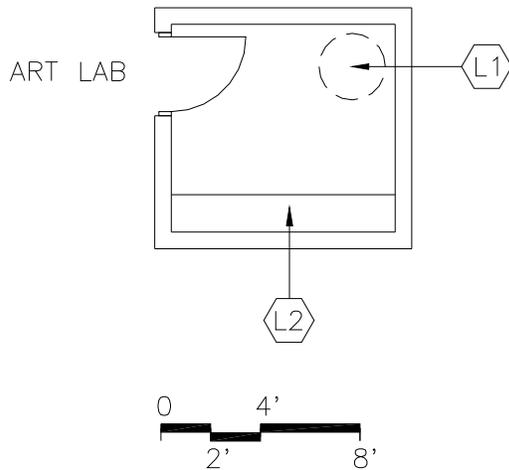
ANCILLARY SPACES:

- Art Lab (E-VA-1)



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

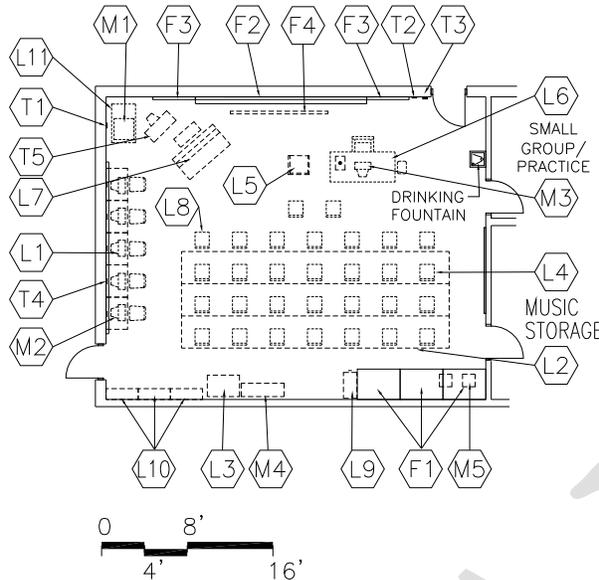
ENVIRONMENTAL CONSIDERATIONS:

- 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



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:

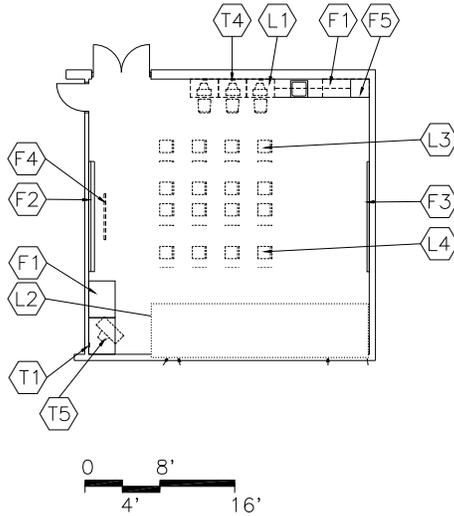
	<u>Spec.</u>	<u>Ref.#</u>
Fixed Equipment:		
F1	Casework: Paper storage cabinets	123200
F2	Marker board (16 LF) 1/2 with music staff bars	101100
F3	Tack board	101100
F4	Manual projection screen	115213
F5	Casework: Wardrobe	123200
F6	Casework: Sink cabinet	123200



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

INSTRUMENTAL MUSIC ROOM

E-MU-3



- CAPACITY:**
- 8-15 students
 - 1 teacher

- SIZE:**
- 600 SF

GOAL:

- To serve as the learning and practice area for instrumental classes

PROGRAM ACTIVITIES:

- Teaching and learning to read music
- Individual practice
- Performance of music
- Students will practice in small groups, and individually

SPATIAL RELATIONSHIPS:

- Adjacent to General Music Room
- Access to Instrument Storage within the room

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 50
 - Ceiling minimum: CAC 35
- Sound insulation in walls (extended above ceiling to underside of roof deck)
- Acoustical wall treatments
- Electrical outlets for equipment
- Adequate ventilation
- Double doors with removable mullions

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

INSTRUMENTAL MUSIC ROOM

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring:		<u>Fixed Equipment:</u>	
Carpet	096816	F1 Casework:	
		Paper storage cabinet	123200
		Base/wall cabinets	
Base:		F2 Marker board (12 LF):	101100
Resilient base	096519	1/2 with music staff bars	
		F3 Tack board (12 LF)	101100
Ceiling (10' high minimum):		F4 Manual projection screen	115213
Suspended, acoustical	195113	F5 Casework:	
		Wardrobe	123200
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted concrete masonry units	042000 / 099123	Fire suppression system	
		<u>Plumbing:</u> Div. 22	
		Sink	
<u>Loose Furnishings:</u>		<u>HVAC:</u> Div. 23	
L1 2 computer workstations and chairs		Supply/return air system	
L2 Instrument storage		Independent temperature control	
L3/4 music posture chairs			
<u>Miscellaneous:</u>		<u>Electrical:</u> Div. 26	
N/A		Duplex receptacles	
		3 per primary teaching wall	
		2 per other walls	
		TVSS protected quad receptacle	
		adjacent to each data port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T2 Voice port and phone	
		T4 2 data ports for student use	
		T5 Wireless port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

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

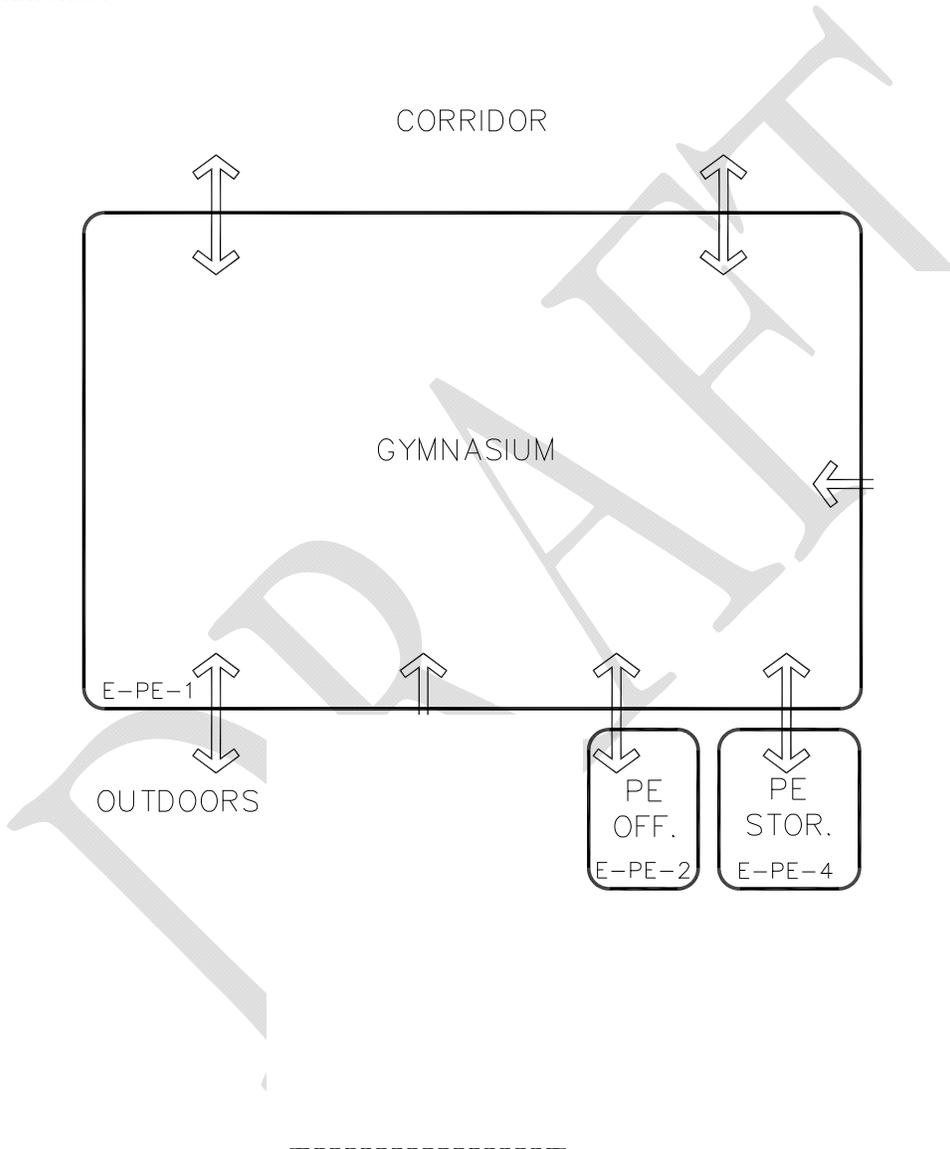


GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

PHYSICAL EDUCATION

Spaces	Qty.	S.F.	Total	Comments
Multi-Purpose Gymnasium	1	3,600	3,600	Or 'as is'
Office	1	100	100	
Storage	2	200	400	
Total			4,100	

Comments:





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

ADMINISTRATION

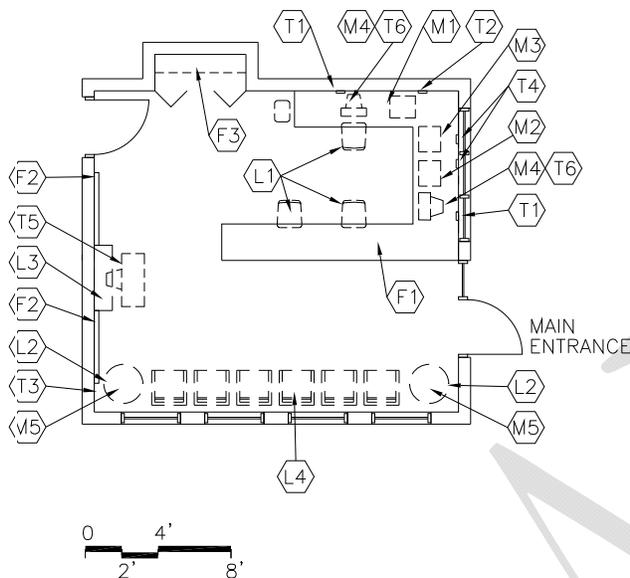
Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Lobby/Gathering area	1	1500	1500	Or as is
Welcome Center	1	400	400	Welcoming Area, Work area for Administrative Asst.
Security Area w/ locking storage	1	75	75	
Conference Room	1	200	200	
Principal's Office	1	180	180	Including toilet
Office (AP, etc.)	2	120	240	
Administrative Workroom	1	200	200	
Mailroom	1	150	150	
Records Room	1	150	150	Needs to be a secure space.
Toilet	1	50	50	
Health Suite				
Office	1	100	100	
Treatment Area/waiting	1	180	180	
Cots	1	150	150	
Storage	1	25	25	
Toilet	1	50	50	
Before/After School Office/Storage	1	1000	1000	
Staff Lounge	1	700	700	Includes staff toilet with shower.
Total			5,350	

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.



WELCOME CENTER

E-AD-1



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
- 2 Workstations for administrative assistants

SPATIAL RELATIONSHIPS:

- Located inside the main Administrative Area
- Centrally located to 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

CAPACITY:

- Administrative assistants
- Visitors/parents
- Students

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

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

WELCOME CENTER

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Finish carpentry	
		Reception counter	064123
Base:		F2 Tack board (8 LF)	101100
Resilient base	096519	F3 Closet shelving	064123
Ceiling (8' high minimum):		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard		N/A	
over metal studs	092116 / 099123	<u>HVAC:</u>	Div. 23
<u>Loose Furnishings:</u>		Supply/return air system	
L1 2 ergonomic task chairs		Independent temperature	
L4 4-6 guest chairs		control	
<u>Miscellaneous:</u>		<u>Electrical:</u>	Div. 26
M1 Fax		Duplex receptacles	
M2 printer		TVSS protected quad receptacle	
M4 2 computers		adjacent to each data port	
M5 Table lamps		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 2 voice port and phone	
		at workstations	
		T2 Fax port	
		T4 data ports for printer	
		T6 Data port near each workstation	
		Cable/MATV port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

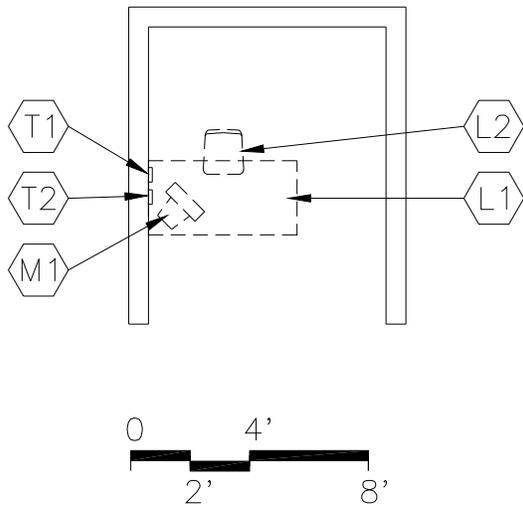
1. Finishes/Features: Refer to Chapter 8 for specification references.



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

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:

- Varies, see table

ANCILLARY SPACES:

N/A

NOTES:

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



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

SECURITY AREA

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring: Resilient tile flooring	096519	Fixed Equipment: N/A	
Base: Resilient base	096519	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Ceiling (8' high minimum): Suspended, acoustical	095113	<u>Plumbing:</u> Div. 22 Fire protection system	
Walls: Painted concrete masonry units	042000 / 099123	<u>HVAC:</u> Div. 23 Supply/return air system Independent temperature control	
<u>Loose Furnishings:</u> L1 Admin workstation L2 Ergonomic task chair		<u>Electrical:</u> Div. 26 Duplex receptacles 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	
		<u>Communications:</u> T1 Voice port and phone T2 Data port	Div. 27
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28
		<u>Miscellaneous:</u> M1 Computer	

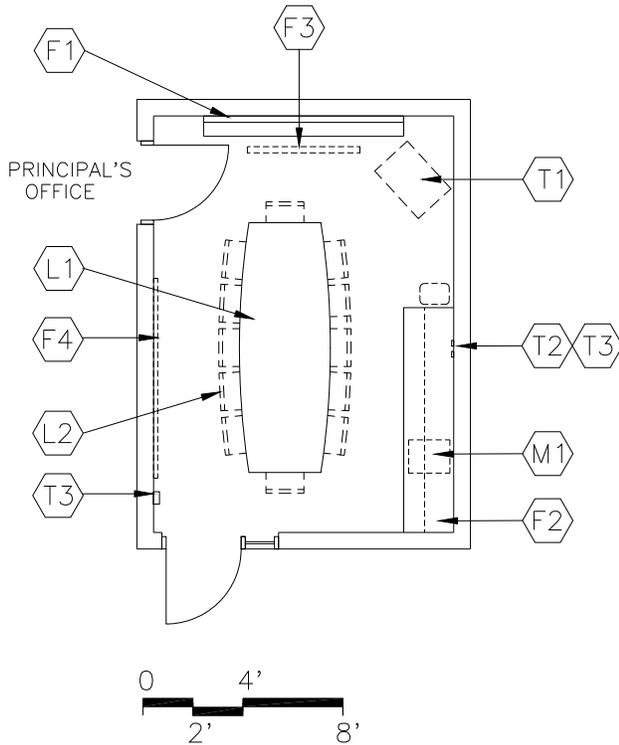
NOTES:

Finishes/Features: Refer to Chapter 8 for specification references



CONFERENCE ROOM

E-AD-3



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 40
- Electrical outlets for equipment
- Windows to provide natural light, desirable
- Auditory privacy

CAPACITY:

- Staff
- Students
- Parents
- Visitors

SIZE:

- 200 SF

ANCILLARY SPACES:

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

NOTES:

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



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

CONFERENCE ROOM

E-AD-3

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Equipment:</u>	
Tile carpet	096813	F1 Marker board (8 LF)	101100
Base:		F2 Casework:	
Resilient base	096519	Base/wall cabinets (6 LF)	123200
Ceiling (8' high minimum):		F3 Manual projection screen	115213
Suspended, acoustical	095113	F4 Tack board (8 LF)	101100
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>	
L1 Conference table (with table technology installations (VGA jacks, data outlets, power outlets, etc.)		N/A	
L2 12 chairs		<u>HVAC:</u>	Div. 23
		Supply/return air system	
		Independent temperature control	
		<u>Electrical:</u>	Div. 26
		Duplex receptacles	
		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	
		<u>Communications:</u>	Div. 27
		T1 Video port, monitor and bracket	
		T2 Voice port and phone	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Under counter refrigerator	

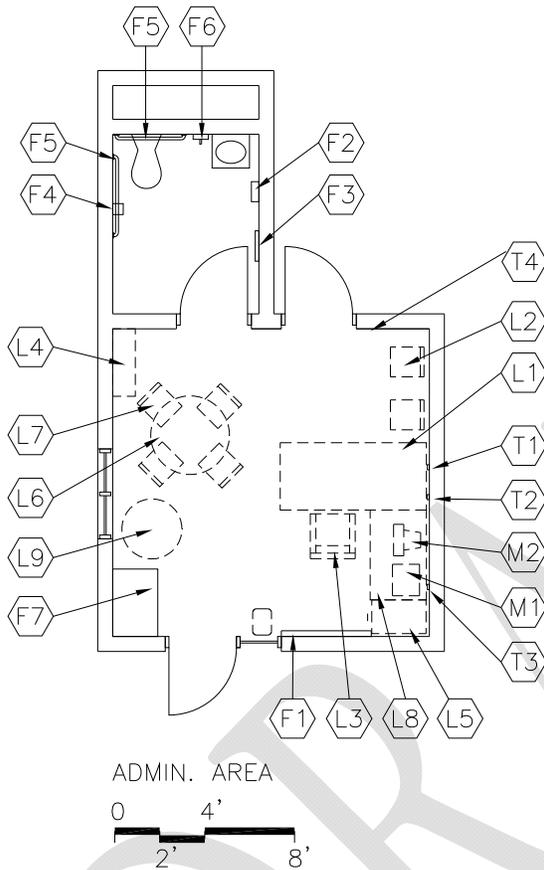
NOTES:

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



PRINCIPAL'S OFFICE

E-AD-4



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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

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

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

PRINCIPAL'S OFFICE

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Tack board (4 LF)	101100
Base:		F2 Towel dispenser	102800
Resilient	096519	F3 24" x 60" mirror	102800
Ceiling (8' high minimum):		F4 Toilet tissue holder	102800
Suspended, acoustical	095113	F5 36" and 42" grab bars	102800
Walls:		F6 Soap dispenser	102800
Painted gypsum wallboard over metal studs	092116 / 099123	Wall mounted coat rack/shelf	
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
L1 Desk		Fire suppression system	
L3 Ergonomic task chair		<u>Plumbing:</u>	
L4 Adjustable height bookshelves (12 LF)		Toilet area	
L5 Four-drawer file cabinet		<u>HVAC:</u>	Div. 23
L6 Conference table		Supply/return air system	
L7 4-6 chairs		Independent temperature control	
<u>Miscellaneous:</u>		<u>Electrical:</u>	Div. 26
M1 Printer		Duplex receptacles	
M2 Computer		2 outlets per wall minimum	
		TVSS protected quad receptacle adjacent to each data and video port	
		Single-level switching	
		Fluorescent lighting	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port near workstation	
		T3 Data port for printer	
		T4 Cable/MATV port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

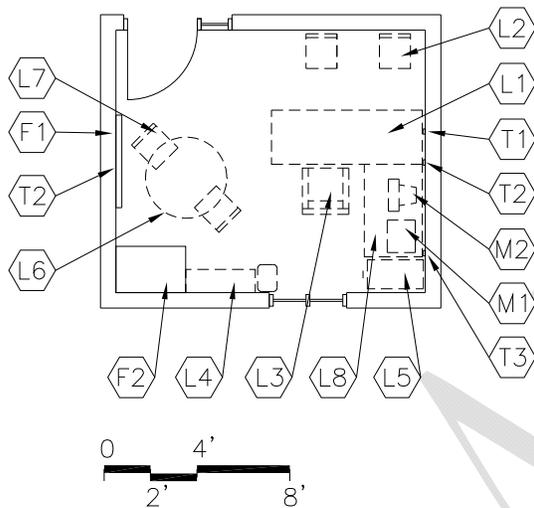
1. Finishes/Features: Refer to Chapter 8 for specification references.



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

ASSISTANT PRINCIPAL'S /BUSINESS OFFICE

E-AD-5



GOAL:

- To provide an office for the assistant principal to perform administrative functions

PROGRAM ACTIVITIES:

- Conferences with parents
- Student interaction
- Conferences with individual teachers or small groups
- Telephone communications (private)
- Research and planning
- Coordination of school and support services

SPATIAL RELATIONSHIPS:

- May be located near Academic Core for supervision
- May be located near administration suite

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light
- Auditory privacy

CAPACITY:

- Assistant Principal

SIZE:

- 120 SF

ANCILLARY SPACES:

N/A

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

ASSISTANT PRINCIPAL'S/BUSINESS OFFICE

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Tack board (4 LF)	101100
Base:		F2 Casework:	
Resilient base	096519	Wardrobe	103200
Ceiling (8' high minimum):		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs	092116 / 099123	N/A	
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
L1 Admin workstation		Supply/return air system	
L2 2 visitor chairs		Independent temperature control	
L3 Ergonomic task chair		<u>Electrical:</u>	Div. 26
L4 Adjustable height bookshelves (12 LF)		Duplex receptacles	
L5 Four-drawer file cabinet		2-Outlets per wall minimum	
L6 Round table		TVSS protected quad receptacle adjacent to data and video port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Voice port and phone	
		T2 2 data ports	
		T3 Data port for printer	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Printer	
		M2 Computer	

NOTES:

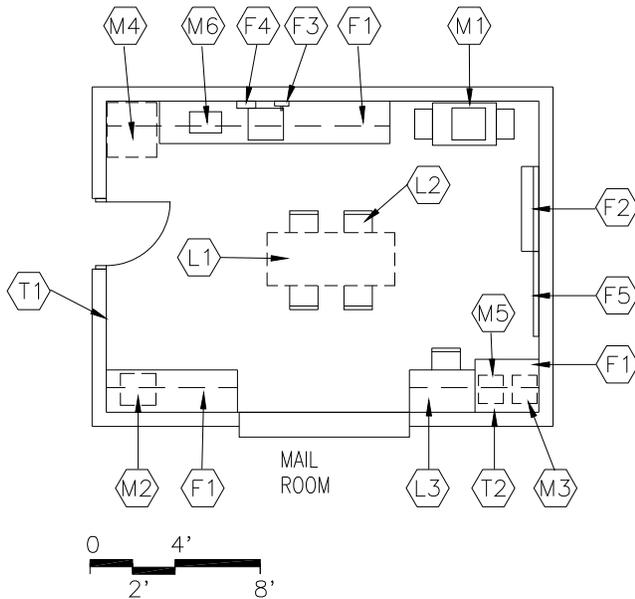
Finishes/Features: Refer to Chapter 8 for specification references.



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

ADMINISTRATIVE WORKROOM

E-AD-7



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

CAPACITY:

- Secretaries and Administrators
- Volunteers
- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Mail Room (E-AD-8)

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

ADMINISTRATIVE WORKROOM

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Casework: Base/wall cabinets and shelving	123200
Base:		F2 Marker board (4 LF)	101100
Resilient base	096519	F3 Soap dispenser	102800
Ceiling (8' high minimum):		F4 Towel dispenser	102800
Suspended, acoustical	095113	F5 Tack board (4 LF)	101100
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> (optional)	Div. 22
L1 Work table		Plumbing connections	
L2 4 chairs; task chair		Hook-up for refrigerator ice maker, sink, single/deep bowl	
L3 Computer workstation			
Wastebasket		<u>HVAC:</u>	Div. 23
<u>Miscellaneous:</u>		Supply/return air system	
M1 Copier		Independent temperature control	
M2 Paper cutter		<u>Electrical:</u>	Div. 26
M3 Laminating machine		Duplex receptacles	
M4 Refrigerator with ice maker		Raceway above countertop	
M5 Color printer		TVSS protected quad receptacle adjacent to each data port	
M6 Microwave		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Dedicated receptacle for copier	
		Clock	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Voice ports and phones	
		T2 Data port for printer	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

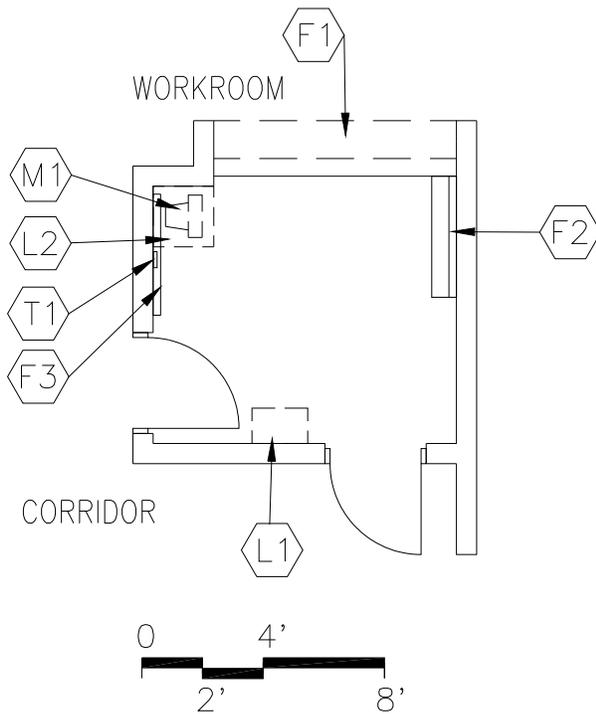
NOTES:

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



MAILROOM

E-AD-8



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

CAPACITY:

- Staff
- Faculty

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Administrative Workroom (E-AD-7)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements. The mail cubicles can be either on the wall or through the wall, verify with each school for their preference.



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

MAILROOM

E-AD-8

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Casework:	123200
		Mail slots	
		12" wide x 6" high x 15" deep	
Base:		(95 total slots) pass-through	
Resilient base	096519	cabinets below	
Ceiling (8' high minimum):		F2 Marker board (4 LF)	101100
Suspended, acoustical	095113	F3 Tack board (4 LF)	101100
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted gypsum wallboard		Fire suppression system	
over metal studs	092116 / 099123		
<u>Loose Furnishings:</u> (optional)		<u>Plumbing:</u>	
L2 Computer table (standing height)		N/A	
		<u>HVAC:</u>	Div. 23
		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>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

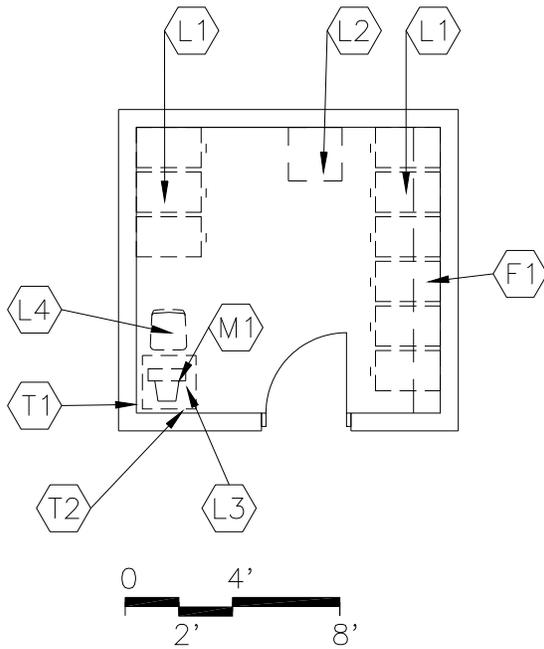
1. Finishes/Features: Refer to Chapter 8 for specification references.



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:

- Varies, see table

ANCILLARY SPACES:

N/A

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

RECORDS ROOM

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring: Tile carpet	096813	Fixed Equipment: F1 Casework: Wall shelving	123200
Base: Resilient base	096519		
Ceiling (8' high minimum) Suspended, acoustical	095113	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Walls: Painted concrete masonry units	042000 / 099123	<u>Plumbing:</u> N/A	
<u>Loose Furnishings:</u> L1 8-10, four-drawer file cabinets (fireproof) L2 Small safe L3 Small table L4 Chair		<u>HVAC:</u> Exhaust air system	Div. 23
		<u>Electrical:</u> Duplex receptacles TVSS protected quad receptacle adjacent to each data port Single-level switching Fluorescent lighting Illumination level: See Table 7600-16	Div. 26
		<u>Communications:</u> T1 Voice port and phone T2 Data port	Div. 27

NOTES:

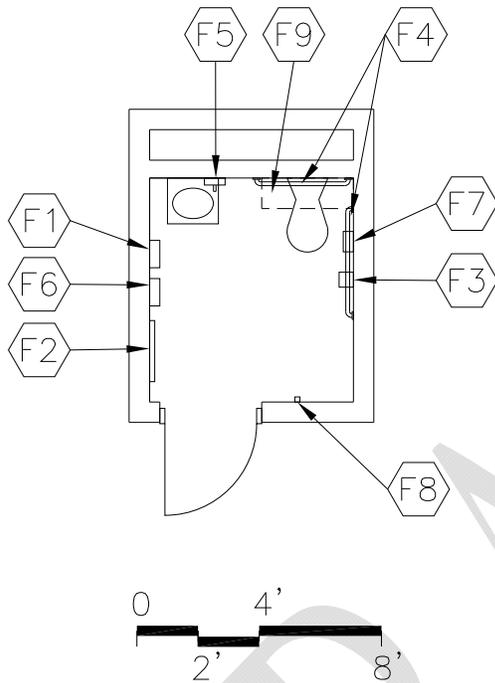
1. Finishes/Features: Refer to Chapter 8 for specification references.



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

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

NOTES:

1. Extend walls above ceiling to deck above for security and acoustical reasons.
2. Provide staff restrooms for both men and women.
3. Each pair of staff restrooms should be distributed throughout the building at appropriate locations.



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

STAFF TOILET

E-AD-11

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Ceramic tile	093000	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue holder	102800
Ceramic mosaic tile base	093013	F4 36" and 42" grab bars	102800
Resilient	096519	F5 Soap dispenser	102800
		F6 Sanitary dispenser	102800
Ceiling:		F7 Sanitary disposal	102800
Suspended, acoustical	095113	F8 Coat hook	102800
		F9 Casework:	
Walls:		Wall cabinet	103200
Painted concrete masonry units	042000 / 099123		
		<u>Fire Suppression:</u>	Div. 21
		Fire suppression system	
		<u>Plumbing:</u> Div. 22	
		Wall-mounted water closet	
		Wall-mounted lavatory	
		Plumbing connections	
		Floor drain	
		<u>HVAC:</u> Div. 23	
		Exhaust air system	
		Supplemental heat as required	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Fire alarm devices per code	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

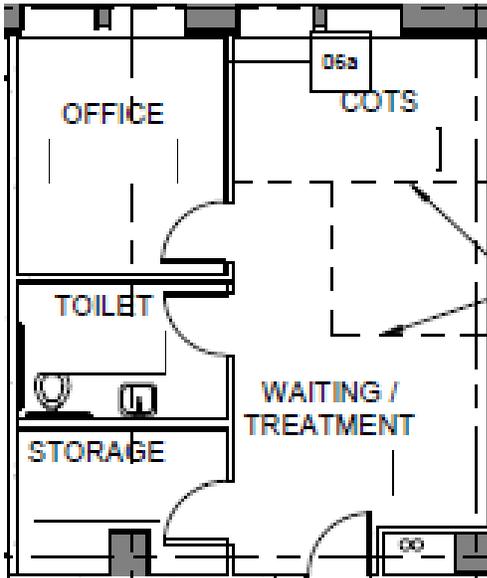
1. Finishes/Features: Refer to Chapter 8 for specification references.



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

WAITING/TREATMENT AREA (HEALTH SUITE)

E-AD-1



GOAL:

- To provide school-based health services

PROGRAM ACTIVITIES:

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

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Stain-resistant floor covering
- Sink with hot and cold water
- Adequate ventilation
- Electrical outlets for equipment
- Locate away from rooms with copiers, interferes with hearing screening
- Auditory and visual privacy
- Visual control to Office/Waiting or Welcome Center

CAPACITY:

- 1 staff member/volunteer/nurse
- Students

SIZE:

- 180 SF

ANCILLARY SPACES:

- Office (E-AD-15)
- Cots
- Storage

NOTES:

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

March 2014



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

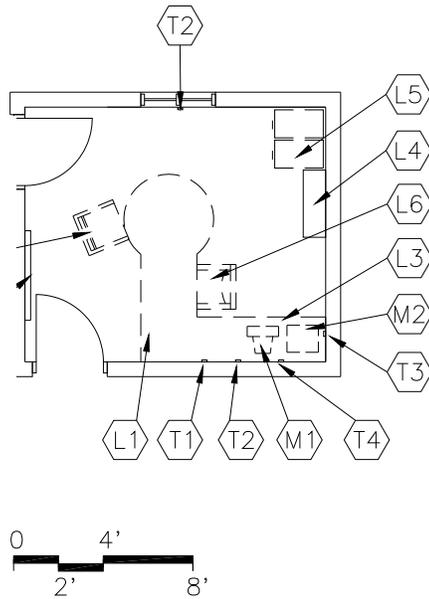
WAITING/TREATMENT AREA (HEALTH SUITE)		E-AD-16
	<u>Spec. Ref.#</u>	<u>Spec. Ref.#</u>
<u>Finishes¹:</u>		<u>Features¹:</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>
Resilient tile flooring	096519	F1 Casework:
		Base/wall cabinets
		Place for refrigerator
<u>Base:</u>		F2 Casework:
Resilient base	096519	Tall storage
<u>Ceiling (8' high minimum):</u>		F3 Cubicle curtain
Suspended, acoustical	095113	F4 Soap dispenser
		F5 Towel dispenser
<u>Walls:</u>		Tackboard
Painted gypsum wallboard over metal studs	092116 / 099123	
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>
2-3 Chairs		Fire suppression system
Side table		
Mobile exam table		<u>Plumbing:</u> Div. 22
Stool		Plumbing connections
		Single sink w/hands-free gooseneck
		<u>HVAC:</u> Div. 23
		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>
		T1 Voice port and phone
		T2 Data port
		<u>Electronic Safety and Security:</u>
		Life safety devices per code



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

OFFICE AREA - Health Suite

E-AD-15



CAPACITY:

- Staff
- Students
- Parents
- Visitors

SIZE:

- 100 SF

ANCILLARY SPACES:

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

GOAL:

- Administrative and meeting area for health

PROGRAM ACTIVITIES:

- Meeting area for students parent or guardian
- Administrative activities by school nurse
- Private conversations

SPATIAL RELATIONSHIPS:

- 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

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 AREA - Health Suite		E-AD-15
	<u>Spec. Ref.#</u>	<u>Spec. Ref.#</u>
<u>Finishes¹:</u>		<u>Features¹:</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>
Resilient tile flooring	096519	F1 Tack board (4 LF)
<u>Base:</u>		<u>Fire Suppression:</u>
Resilient base	096519	Fire suppression system
<u>Ceiling (8' high minimum):</u>		
Suspended, acoustical	095113	<u>Plumbing:</u>
<u>Walls:</u>		N/A
Painted gypsum wallboard over metal studs	092116 / 099123	<u>HVAC:</u> Div. 23
<u>Loose Furnishings:</u>		Supply/return air system
L1 Admin workstation		<u>Electrical:</u> Div. 26
L2 Ergonomic chair		Duplex receptacles
L3 1-2 visitor chairs		2 outlets per wall, minimum
File cabinet		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>
		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
		<u>Electronic Safety and Security:</u>
		Life safety devices per code

NOTES:

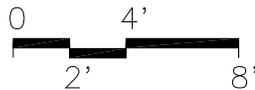
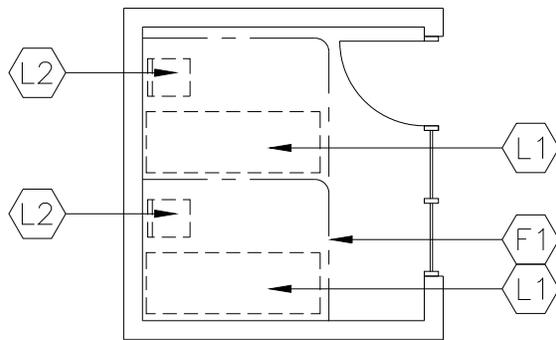
1. Finishes/Features: Refer to Chapter 8 for specification references.



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

COTS

Health Suite



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/dimmable 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

CAPACITY:

- Staff
- Students

SIZE:

- 150 SF

ANCILLARY SPACES:

N/A

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

COTS

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u> Resilient tile flooring	096519	<u>Fixed Equipment:</u> F1 Cubicle curtains	102123
<u>Base:</u> Resilient base	096519	<u>Fire Suppression:</u> Fire suppression system	Div. 21
<u>Ceiling (8' high minimum):</u> Suspended, acoustical	095113	<u>Plumbing:</u> N/A	
<u>Walls:</u> Painted gypsum wallboard over metal studs	092116 / 099123	<u>HVAC:</u> Div. 23 Supply/return air system	
<u>Loose Furnishings:</u> L1 3 cots L2 2 chairs		<u>Electrical:</u> Div. 26 Duplex receptacles Single-level switching Fluorescent lighting with dimmer Illumination level: See Table 7600-16 Clock Central sound system	
		<u>Communications:</u> N/A	
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28
		<u>Miscellaneous:</u> N/A	

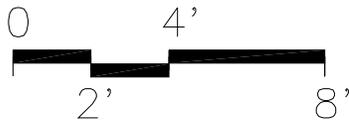
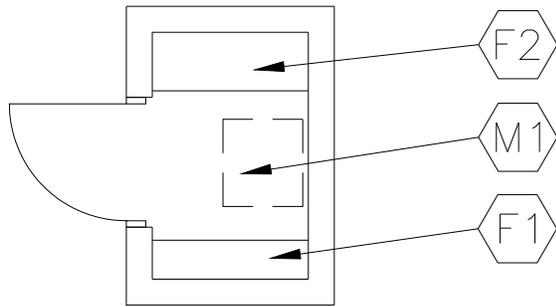
NOTES:

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



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

STORAGE



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 Area (E-AD-15)

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

STORAGE
Health Suite

<u>Finishes</u> ¹ :	Spec. <u>Ref.#</u>	<u>Features</u> ¹ :	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Storage shelving:	105613
		12" deep	
Base:		F2 Storage shelving:	105613
Resilient base	096519	18" deep	
Ceiling (8' high minimum):		<u>Fire Suppression:</u>	Div. 21
Cleanable, suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u> Div. 22	
Painted concrete masonry units	042000 / 099123	Fire protection system	
		Plumbing connections	
<u>Loose Furnishings:</u>		Hook-up for ice maker	
N/A		<u>HVAC:</u> Div. 23	
Note: Refrigerator may be in the office area		Supply/return air system	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Refrigerator (lockable) with ice maker	

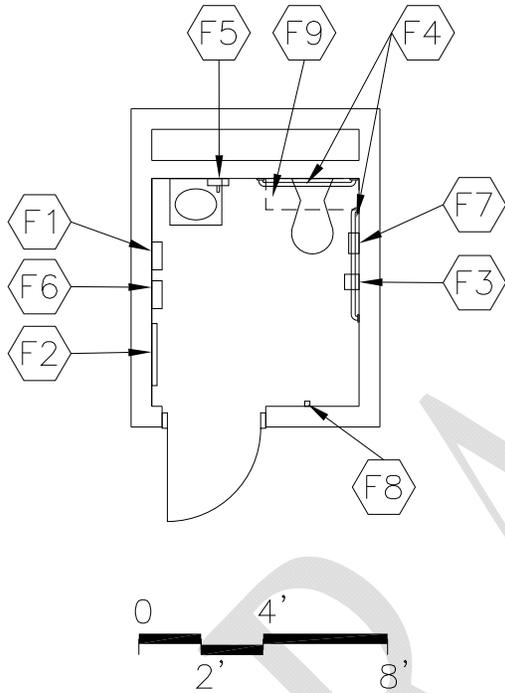
NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
March 2014



TOILET

E-AD-19



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

CAPACITY:

- Students
- Staff

SIZE:

- 50 SF

ANCILLARY SPACES:

N/A

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

TOILET

<u>Finishes</u> ¹ :	Spec. <u>Ref.#</u>	<u>Features</u> ¹ :	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Ceramic tile	093000	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
		F3 Toilet tissue holder	102800
Base:		F4 36" and 42" grab bars	102800
Ceramic mosaic tile base	093013	F5 Soap dispenser	102800
Resilient base	096519	F6 Sanitary dispenser	102800
		F7 Sanitary disposal	102800
Ceiling:		F8 Coat hook	102800
Suspended, acoustical	095113	F9 Casework:	
		Wall cabinet	103200
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted concrete masonry units	042000 / 099123	Fire suppression system	
		<u>Plumbing:</u> Div. 22	
		Wall-mounted water closet	
		Wall-mounted lavatory	
		Plumbing connections	
		Floor drain	
		<u>HVAC:</u> Div. 23	
		Exhaust air system	
		Supplemental heat as required	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

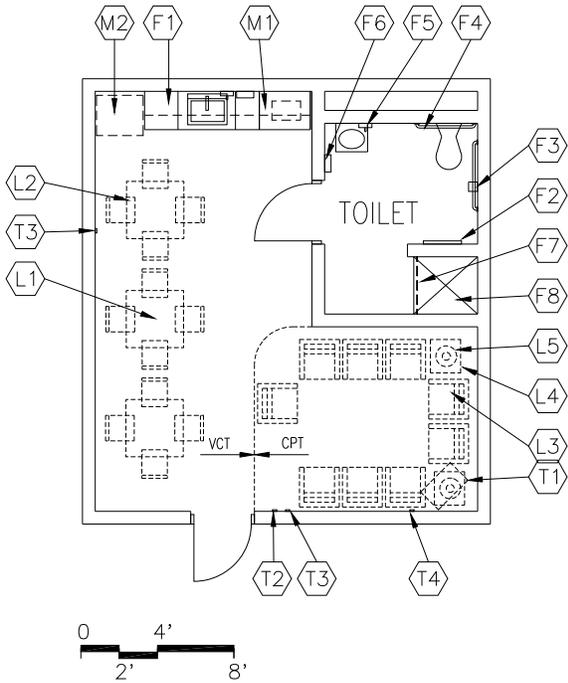
NOTES:

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



STAFF LOUNGE

E-AD-21



GOAL:

- To provide an area for staff dining and for relaxing

PROGRAM ACTIVITIES:

- Staff dining
- Relaxation

SPATIAL RELATIONSHIPS:

- Near Academic Classrooms
- Access to Main Corridor
- May be divided among floors

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 40
- Electrical outlet for equipment
- Windows to provide natural light, desirable

CAPACITY:

- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

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

STAFF LOUNGE

Administrative Support

	Spec. <u>Ref.#</u>		Spec. <u>Ref.#</u>
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Casework:	
Linoleum	096516	Base/wall cabinets	123200
Shower: Ceramic mosaic tile	093013	F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue dispenser	102800
Resilient base	096519	F4 36" and 42" grab bars	102800
Shower: Ceramic mosaic tile base	093013	F5 Soap dispenser	102800
Ceiling (8' high minimum):		F6 Towel dispenser	102800
Suspended, acoustical	095113	F7 Shower curtain with rod	102800
Shower: Painted portland cement plaster	092400 / 099123	F8 ADA shower accessories	102800
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted gypsum wallboard over metal studs	092116 / 099123	Fire suppression system	
Shower: Ceramic tile	093013	<u>Plumbing:</u>	Div. 22
<u>Loose Furnishings:</u>		Plumbing connections	
L1 3 square tables		Wall-mounted lavatory	
L2 10-15 chairs		Wall-mounted water closet	
L3 3-5 lounge chairs		Floor drains - in restroom and shower	
L4 2 end tables		<u>HVAC:</u>	Div. 23
L5 2 table lamps		Supply/return air system	
<u>Communications:</u>	Div. 27	Exhaust air system	
T1 Video port, monitor, VCR/DVD, and brackets		Independent temperature control	
T2 Voice port and phone		<u>Electrical:</u>	Div. 26
T3 2 data ports		Duplex receptacles	
T4 Cable/MATV port		TVSS protected quad receptacle adjacent to each data and video port	
<u>Miscellaneous:</u>		Multilevel switching	
M1 2 microwaves		Fluorescent lighting	
M2 Refrigerator with ice maker		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

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

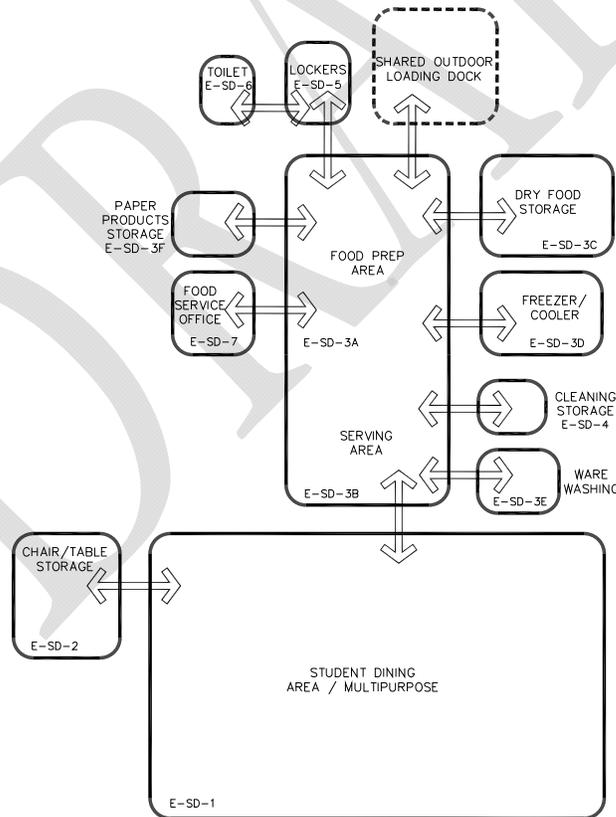


GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

Dinning and Food Services

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Student Dining Area/Multi-purpose	1	4,000	4000	
Chair and Table Storage	1	450	450	
Serving area	1	400	400	
Kitchen Suite	1	1800	1800	
Stage	1	1000	1000	
Multi-purpose rm. (optional)	1	2000	0	Or as is; see note
Total			7,650	

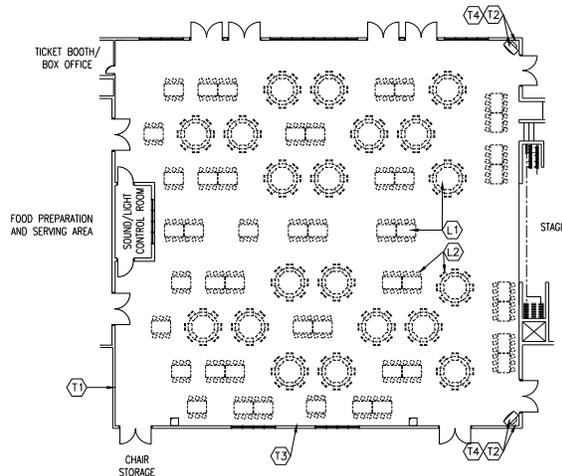
Comments: The overall total for the Dining and Food Services area may be + or – 15%. The existing dining area and kitchen are undersized for the proposed capacity. If these spaces are replaced, the school would like to keep the current dining as a multi-purpose area if feasible. If this area is expanded, the room should be dividable.





STUDENT DINING AREA / MULTIPURPOSE

SD-1



CAPACITY:

- 1/3 of students per lunch period
- 1/3 of staff members per lunch
- Community (after hours)

ANCILLARY SPACES

- Chair/Table Storage (SD-2)
- Food Preparation Area (SD-4)

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 Food Preparation Area
- Adjacent and access to Chair/Table Storage
- Centrally located to office area, gymnasium, classrooms, and media center

ENVIRONMENTAL CONSIDERATIONS:

- Lighting appropriate to tasks
- Adequate ventilation
- Electrical outlets for equipment along perimeter walls and on columns
- 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
- Access to drinking fountain

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

STUDENT DINING AREA / MULTIPURPOSE		SD-1
	<u>Spec. Ref.#</u>	<u>Spec. Ref.#</u>
<u>Finishes¹:</u>		<u>Features¹:</u>
Flooring:		N/A
Vinyl composition/Quartz tile	09665189	
Base:		<u>Fire Suppression:</u>
Resilient base	096519	Div. 21
		Fire suppression system
Ceiling:		<u>Plumbing:</u> Div. 22
Suspended, acoustical	095113	Electric water cooler
Walls:		<u>HVAC:</u> Div. 23
Painted concrete masonry units	042000 / 099123	Supply/return air system
Acoustical wall treatment	098400	Independent temperature control
		Air conditioning
<u>Loose Furnishings:</u>		<u>Electrical:</u> Div. 26
L1 Tables and seating to accommodate 1/3 of school capacity (266 for lunch)		Duplex receptacles
		Vending Machines
		TVSS protected quad receptacles adjacent to each data and video port
		Multilevel switching
		Fluorescent lighting
		Illumination level: See Table 7600-16
		Clock
		Student dining sound system ²
		Central sound system
<u>Miscellaneous:</u>		<u>Communications:</u>
M1 Audio system		Div. 27
		T1 2 cable/MATV ports
		T2 4 data ports
		T3 Voice port and phone
		T4 2 video ports, monitors, VCRs/DVDs, and brackets
		<u>Electronic Safety and Security:</u>
		Div. 28
		Life safety devices per code

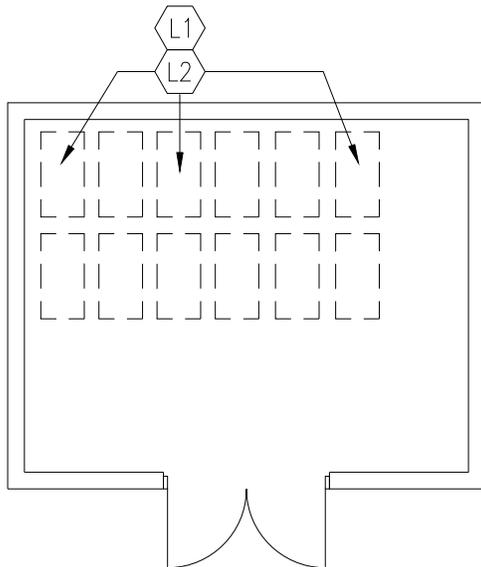
NOTES:

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



CHAIR / TABLE STORAGE

SD-2



GOAL:

- To provide convenient storage of dining chairs and tables to be used for meetings and performances

PROGRAM ACTIVITY:

- Storage

SPATIAL RELATIONSHIPS:

- Adjacent and access to Student Dining Area/Multipurpose

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Accessibility for moving furniture in and out

CAPACITY:

N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

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

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

CHAIR / TABLE STORAGE

SD-2

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Vinyl composition		N/A	
Resilient tile flooring	096519	<u>Fire Suppression:</u>	Div. 21
Base:		Fire suppression system	
Resilient base	096519	<u>Plumbing:</u>	
Ceiling:		N/A	
Suspended, acoustical	095113	<u>HVAC:</u>	Div. 23
Walls:		Supply/return air system	
Painted concrete masonry units	042000 / 099123	<u>Electrical:</u>	Div. 26
<u>Loose Furnishings:</u>		Duplex receptacles	
L1 Chairs		Single-level switching	
L2 Chair dollies		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

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



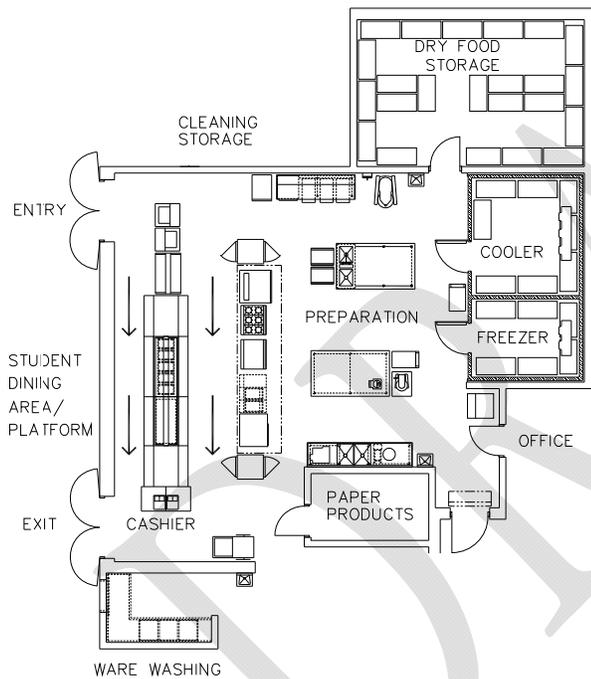
GOVERNMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF PUBLIC EDUCATION FACILITIES MODERNIZATION

COOKING KITCHEN

This space consists of the following areas:

Food Preparation Area	750
Dry Food Storage	250
Freezer & Cooler	250
Ware Washing	100
Paper Storage	225
Lockers	75
Toilet	50
Food Service Office	100
	1800

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 (food delivered from milk, grocery, and produce vendors)
- Serve food
- Storage
- Point of sale (in the dining area associated with the serving area)

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

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

CAPACITY:

- Staff

SIZE:

- Varies, see table

GOAL:

- To prepare student meals

PROGRAM ACTIVITIES:

- Prepare food

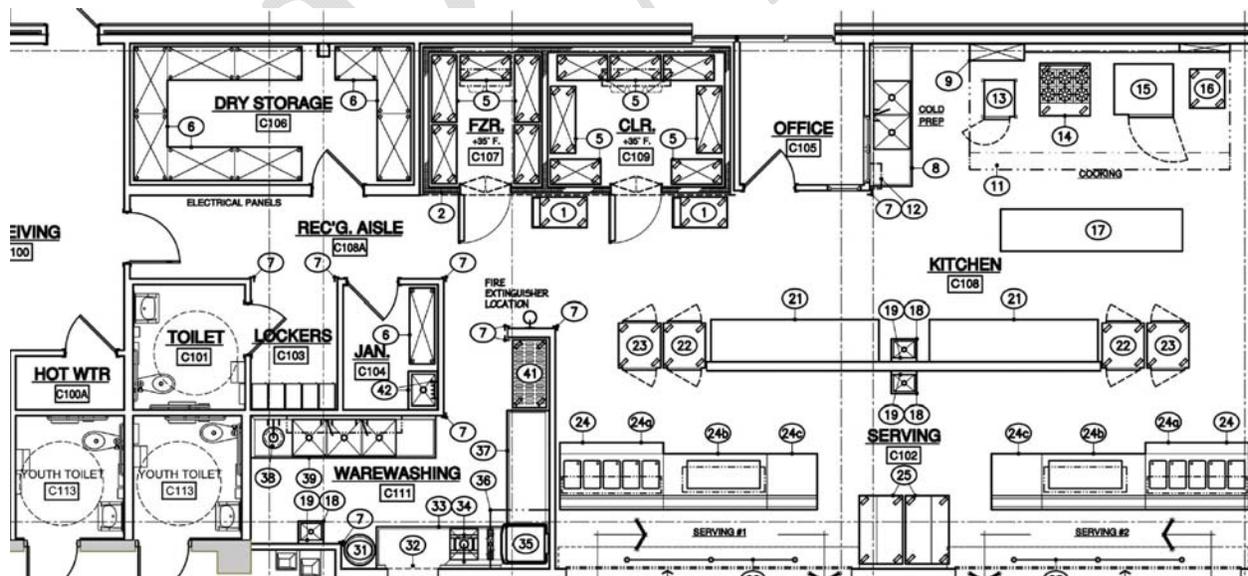
SPATIAL RELATIONSHIPS:

- 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

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

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

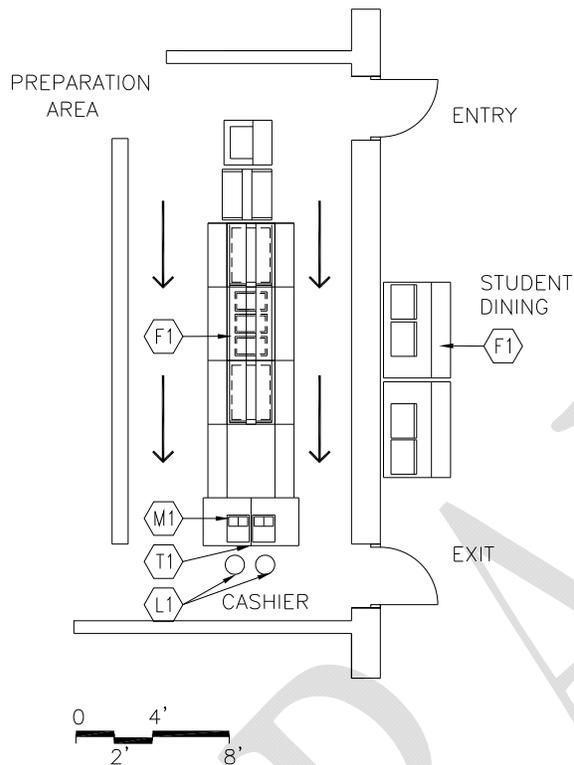
NOTES:

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



Serving Area

SD-4B



CAPACITY:

- Students
- Staff
- Community

ANCILLARY SPACES:

- Student Dining Area/Multipurpose (SD-1)
- Kitchen (SD-4)

GOAL:

- To provide serving station for those seeking meals or snacks

SPATIAL RELATIONSHIPS:

- Within Student Dining Area/Multipurpose or Food Preparation Area
- Beginning of serving line should be near entry door of Students Dining Area /Multipurpose
- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building services
- Electrical connections for food service equipment
- Queuing for serving should not conflict with tray return to dishwashing area
- Single or double sided serving line(s)

DESIGN GUIDE

- Three serving lines
- All lines have drinks and misc items

Sample Lines and equipment needs below:

- Option: Sandwich Deli and Salads: Equipment consists of a Built-in Heated Shelf, Self-Service Sneeze Guard with Overshelf, and Hanging Decorative Heat Lamps. Size of equipment and number of heat lamps are determined by space available. Substitution of Two-Tier Merchandising Warmer is available in place of the heated shelf. A Drop-In Self-Contained Refrigerated Cold Pan is included for cold items.
- Hot Meals: Equipment consists of a Two-Tier Merchandising Warmer. Size of equipment is determined by space available. Available with slant or horizontal shelves. Slant shelves are provided when back loading is available. Horizontal shelves are provided when units can only be loaded from the front. A Drop-In Refrigerated Cold Pan may also be included for side items.

NOTES:

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



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

**SERVING AREA
SD-4B**

<u>Finishes</u> ¹ :	Spec. Ref.#	<u>Features</u> ¹ :	Spec. Ref.#
<u>Flooring</u> :		<u>Fixed Equipment</u> :	
Quarry tile	093000	F1 Food service equipment	114000
Vinyl composition tile	096519		
<u>Base</u> :		<u>Fire Suppression</u> :	Div. 21
Quarry tile base	093000	Fire suppression system	
Resilient base	096519		
<u>Ceiling</u> :		<u>Plumbing</u> : Div. 22	
Cleanable, suspended, acoustical	095113	Connections to food service Equipment	
		Floor drains	
<u>Walls</u> :		<u>HVAC</u> : Div. 23	
Epoxy-painted concrete masonry units	042000 / 099123	Supply/return air system	
<u>Loose Furnishings</u> :		<u>Electrical</u> :	
L1 2 stools		Duplex receptacles	
		Connections to food service equipment	
		Duplex receptacle at each cash register	
		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> :	Div. 27
		T1 2 data ports at cash registers	
		<u>Electronic Safety and Security</u> :	Div. 28
		Life safety devices per code	
		<u>Miscellaneous</u> :	
		M1 2 cash registers	

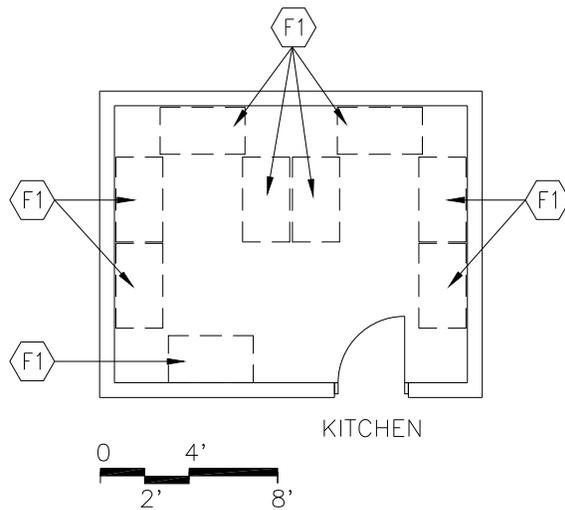
NOTES:

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



DRY FOOD STORAGE

M-SD-4C



GOAL:

- To provide an area for food storage

PROGRAM ACTIVITY:

- Storage

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen
- Near the Supply Storage/Receiving

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Adequate exhaust/ventilation

CAPACITY:

N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kitchen (M-SD-4)

NOTES:

1. This is an example of a dry food storage 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

DRY FOOD STORAGE

	Spec. <u>Ref.#</u>		Spec. <u>Ref.#</u>
<u>Finishes</u> ¹ :		<u>Features</u> ¹ :	
Flooring:		Fixed Equipment:	
Quarry tile	093000	F1 Rust-resistant 24" deep shelving	
Vinyl composition tile	096519	and dunnage racks	114000
Base:		<u>Fire Suppression</u> :	Div. 21
Quarry tile base	093000	Fire suppression system	
Resilient base	096519		
Ceiling:		<u>Plumbing</u> :	
Cleanable, suspended, acoustical	095113	N/A	
Walls:		<u>HVAC</u> :	Div. 23
Epoxy-painted concrete masonry		Supply/return air system	
units	042000 / 099123		
<u>Loose Furnishings</u> :		<u>Electrical</u> :	Div. 26
N/A		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications</u> :	
		N/A	
		<u>Electronic Safety and Security</u> :	Div. 28
		Life safety devices per code	
		<u>Miscellaneous</u> :	
		N/A	

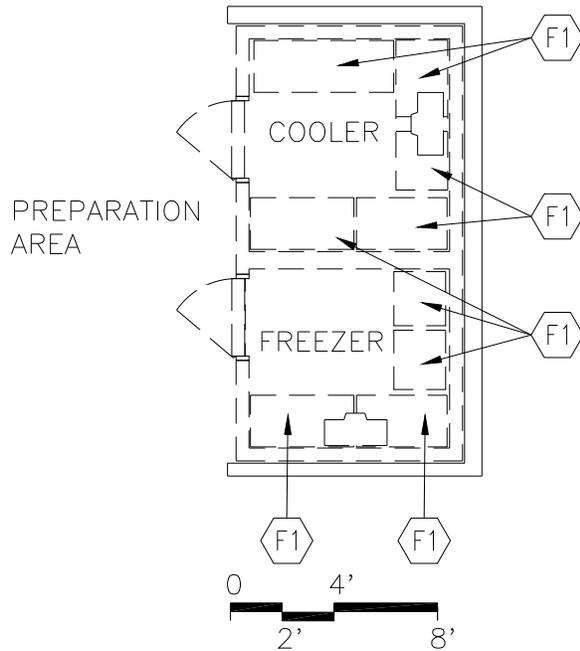
NOTES:

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



FREEZER AND COOLER

SD-4D



GOAL:

- To provide space for manufactured freezer and refrigerator units to store food for short periods of time

PROGRAM ACTIVITY:

- Storage
- Walk-in type

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen
- Near the Supply Storage/Receiving

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Ventilation for refrigeration equipment
- Cleanable building surfaces
- Floor to be flush with adjacent kitchen floor
- Electrical service for refrigeration equipment

CAPACITY:

- Food service staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kitchen (M-SD-4)

NOTES:

1. This is an example of a freezer and cooler. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools' Food Service Department.
2. Generally, deliveries occur once a week.



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

FREEZER & COOLER		SD-4D	
	<u>Spec. Ref.#</u>		
<u>Finishes¹:</u>		<u>Features¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u> Manufactured insulated panel Non-skid surface	Quarry tile 0931	<u>Fixed Equipment:</u> F1 Rust-resistant 24" deep shelving and dunnage racks	114000
<u>Base:</u> Manufactured insulated panel	114000	<u>Fire Suppression:</u> Fire suppression system	Div. 21
<u>Ceiling:</u> Manufactured insulated panel	114000	<u>Plumbing:</u> N/A	
<u>Walls:</u> Manufactured insulated panel	114000	<u>HVAC:</u> Div. 23 Exhaust air system for compressors	
<u>Loose Furnishings:</u> N/A		<u>Electrical:</u> Div. 26 Electrical connections to freezer/cooler refrigeration equipment Single-level switching Incandescent lighting Illumination level: See Table 7600-16	
		<u>Communications:</u> N/A	
		<u>Electronic Safety and Security:</u> N/A	
		<u>Miscellaneous:</u> N/A	

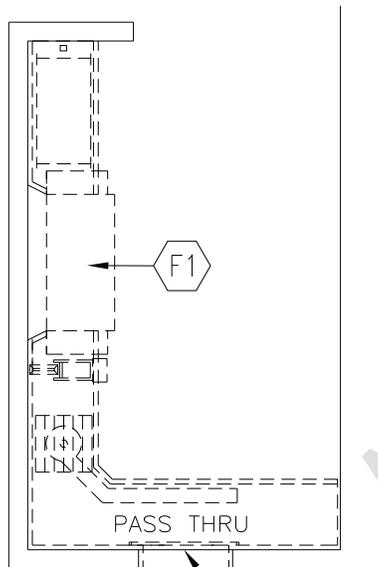
NOTES:

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



WARE WASHING

SD-4E



STUDENT DINING AREA/
MULTIPURPOSE



CAPACITY:
N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kitchen (M-SD-4)

GOAL:

- To clean dishes, trays, and cutlery

PROGRAM ACTIVITY:

- Space and equipment to scrape, wash, dry, and store serving trays and utensils

SPATIAL RELATIONSHIPS:

- Adjacent and access to Student Dining Area/Multipurpose
- Adjacent and access to Kitchen
- Pass-through into Student Dining Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Proper ventilation of space to remove steam and condensation
- Cleanable building surfaces

NOTES:

1. This is an example of a ware washing 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

WARE WASHING

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Quarry tile 093000		F1 Food service equipment	114000
Vinyl composition tile		F2 Overhead coiling door	083300
Base:		<u>Fire Suppression:</u>	Div. 21
Quarry tile base 093000		Fire suppression system	
Resilient base 096519		<u>Plumbing:</u> Div. 22	
Ceiling:		Lavatory	
Cleanable, suspended, acoustical 095113		Connections to food service equipment	
Walls:		Floor drains	
Epoxy-painted concrete masonry units 042000 / 099123		<u>HVAC:</u> Div. 23	
<u>Loose Furnishings:</u>		Supply/return air system	
N/A		Independent temperature control	
		Exhaust hood system	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Connections to food service equipment	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

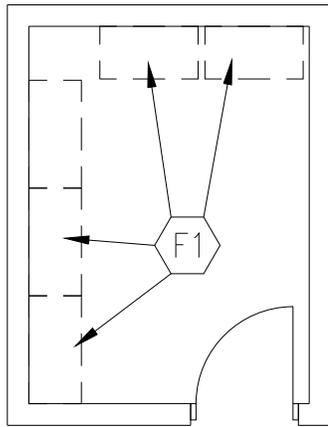
NOTES:

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

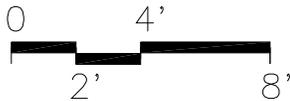


PAPER PRODUCTS STORAGE

M-SD-4F



KITCHEN



GOAL:

- To provide storage for paper products used in preparing and serving meals

PROGRAM ACTIVITY:

- Lockable space

SPATIAL RELATIONSHIP:

- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Adequate exhaust/ventilation
- Cleanable building surfaces

CAPACITY:
N/A

SIZE:
• Varies, see table

ANCILLARY SPACES:
• Kitchen (M-SD-4)

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

PAPER PRODUCTS STORAGE

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:			
Quarry tile	093000	F1 Rust-resistant shelving	114000
Resilient tile flooring	096519		
Base:			
Quarry tile base	093000	<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling:			
Cleanable, suspended, acoustical	095113	<u>Plumbing:</u>	
		N/A	
Walls:			
Epoxy-painted concrete masonry units	042000 / 099123	<u>HVAC:</u> Div. 23	
		Exhaust air system	
		Supply/return air system	
		Independent temperature control	
<u>Loose Furnishings:</u>			
N/A		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

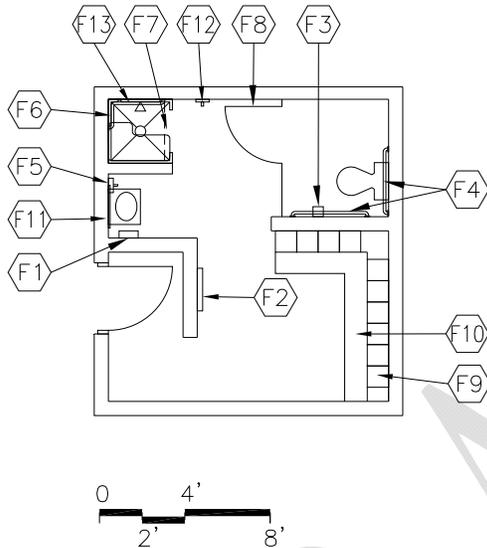
NOTES:

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



TOILET / SHOWER / LOCKER ROOM

SD-6



GOAL:

- To provide a safe, clean, and private toilet and changing area for food service staff

PROGRAM ACTIVITIES:

- Changing clothes
- Personal hygiene
- Showering

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen
- Adjacent to Food Service Office
- Provide blind condition at entry

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Handicapped accessible
- Environmental sound control:
 - Wall minimum: STC 40
 - Ceiling minimum: CAC 35

CAPACITY:

- Food service staff

SIZE:

- 150 SF

ANCILLARY SPACES:

- Kitchen (M-SD-4)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Shower shall be designed to accommodate conversion to an accessible shower, if necessary.



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

TOILET / SHOWER / LOCKER ROOM

<u>Finishes</u> ¹ :	Spec. <u>Ref.#</u>	<u>Features</u> ¹ :	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Ceramic tile	09300013	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue holder	102800
Ceramic tile base	093013	F4 36" and 42" grab bars	102800
		F5 Soap dispenser	102800
Ceiling:		F6 ADA shower accessories/seat	102800
Suspended, acoustical	095113	F7 Shower curtain and rod	102800
Shower: Epoxy painted portland cement plaster	092400 / 099123	F8 Toilet partition	102113
		F9 Lockers:	
		12" wide x 12" deep x 72" high	105113
Walls:		F10 Locker Bench	105113
Shower: Ceramic tile	093013	F11 16" x 24" mirror	102800
Epoxy painted concrete masonry units	042000 / 099123	F12 Towel Hook	102800
		F13 Shower grab bar	102800
Loose Furnishings:		Fire Suppression:	Div. 21
N/A		Fire suppression system	
		Plumbing: Div. 22	
		Wall-mounted water closet	
		Wall-mounted lavatory	
		Plumbing connections	
		ADA shower controls and head	
		Floor drains - in shower and locker area	
		HVAC: Div. 23	
		Exhaust air system	
		Supplemental heat as required	
		Electrical: Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		Communications:	
		N/A	
		Electronic Safety and Security:	Div. 28
		Life safety devices per code	

NOTES:

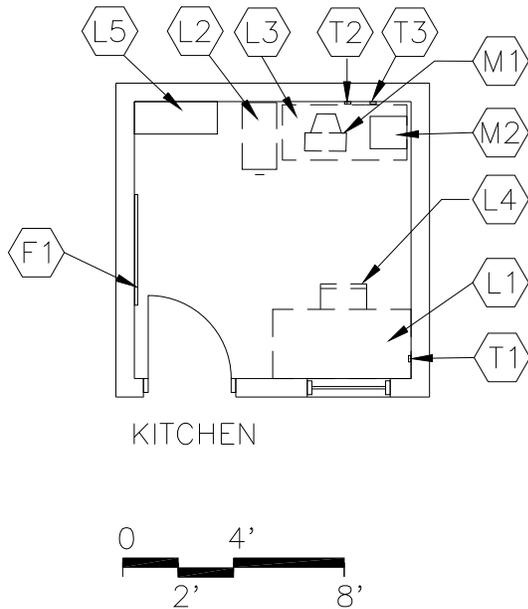
1. Finishes/Features: Refer to Chapter 8 for specification references.



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

FOOD SERVICE OFFICE

SD-7



GOAL:

- To provide an area to keep records and conduct business

PROGRAM ACTIVITIES:

- Scheduling
- Staff evaluations/discipline/meetings

SPATIAL RELATIONSHIP:

- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 40
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Visual access to Kitchen

CAPACITY:

- Food service manager
- Food service staff

SIZE:

- 100 SF

ANCILLARY SPACES:

- Kitchen (M-SD-4)

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

FOOD SERVICE OFFICE

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring: Quarry tile Vinyl composition Resilient tile flooring	093013 096519	Fixed Equipment: F1 Tack board (4 LF)	101100
Base: Quarry tile base	093013 Resilient base	Fire Suppression: Fire suppression system	Div. 21
Ceiling: Suspended, acoustical	095113	Plumbing: N/A	
Walls: Painted concrete masonry units	042000 / 099123	HVAC: Div. 23 Supply/return air system Independent temperature control	
Loose Furnishings: L1 Desk L2 Four-drawer file cabinet L3 Computer workstation L4 Ergonomic task chair L5 Adjustable height bookshelves (12 LF)		Electrical: Div. 26 Duplex receptacles TVSS protected quad receptacle adjacent to data and video port Single-level switching Fluorescent lighting Illumination level: See Table 7600-16 Clock Central sound system	
		Communications: T1 Voice port and phone T2 Data port near workstation T3 Data port for printer	Div. 27
		Electronic Safety and Security: Life safety devices per code	Div. 28

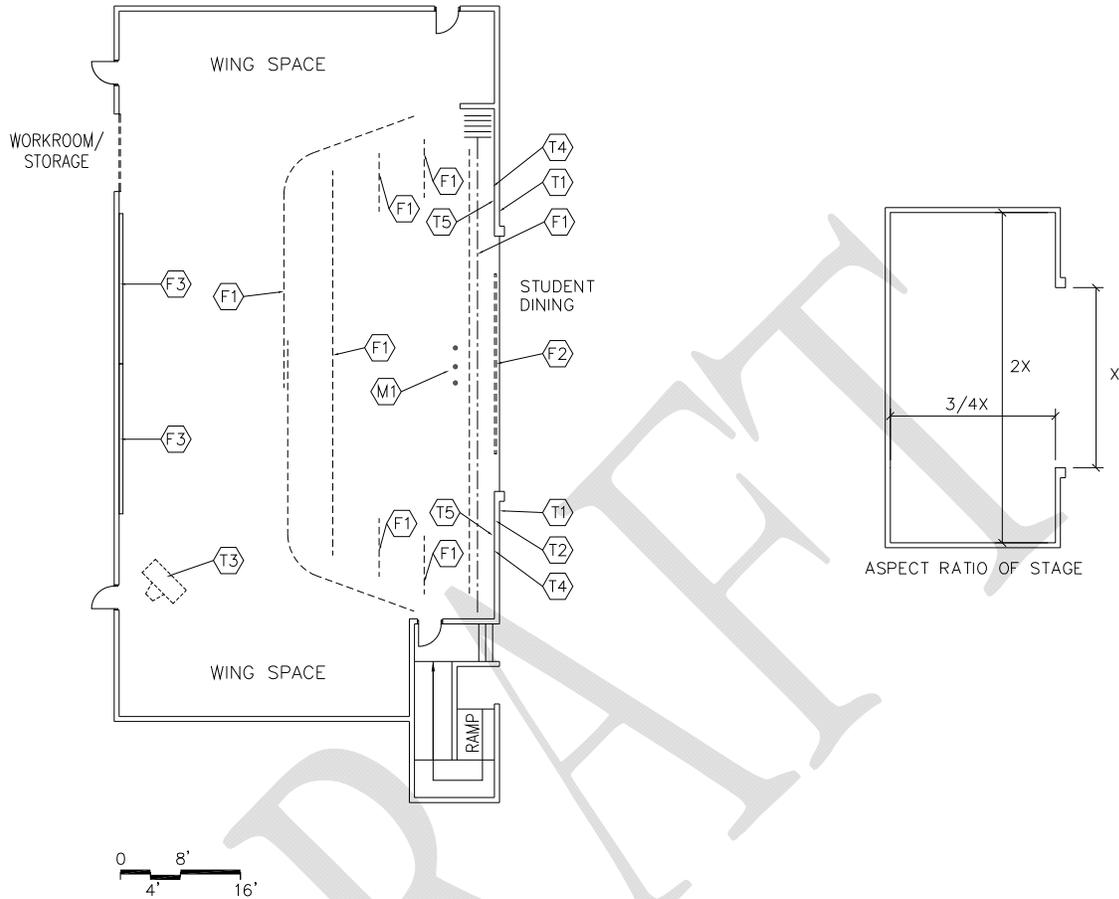
NOTES:

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



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

STAGE



CAPACITY:

- Students
- Teachers
- Parents/volunteers
- Members of the community

GOAL:

- To provide a space for student performances

PROGRAM ACTIVITIES:

- Theatrical/musical productions
- Conferences, student assemblies, and award programs
- Dance instruction

SPATIAL RELATIONSHIPS:

- Near music classrooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control
Wall minimum: STC 56
Roof minimum: STC 40
- Provide sufficient wings space for productions
- Specialty track lighting for Stage

NOTES:



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

STAGE

<u>Finishes</u> ¹ :	Spec. <u>Ref.#</u>	<u>Features</u> :	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Wood flooring ²	096466	F1 Theater and stage equipment	116143
		F2 Motorized projection screen	115213
		F3 Mirror	088000
Base:		<u>Fire Suppression</u> :	Div. 21
Ventilated resilient base	096466	Fire suppression system	
Ceiling:		<u>Plumbing</u> :	
Painted exposed structure	099123	N/A	
Walls:		<u>HVAC</u> :	Div. 23
Painted concrete masonry units	042000 / 099123	Supply/return air system	
		Independent temperature control	
<u>Loose Furnishings (Not Shown)</u> :		<u>Electrical</u> :	Div. 26
Mobile folding risers		Duplex receptacles	
		12" o.c. on back and wing walls	
		3 duplex outlets in apron at front of stage	
		TVSS protected quad receptacle adjacent to each data port	
		Single-level switching	
		General purpose lighting	
		Stage dimming system	
		House lighting	
		Illumination levels: See table 7600-16	
		Clock	
		Auditorium sound system	
		Provide outlet in apron at front of stage	
		<u>Communications</u> :	Div. 27
		T1 2 data ports on stage	
		T2 Voice port and telephone	
		T3 Cable/MATV port	
		T4 Microphone port	
		T5 Jacks for sound system	
		T6 Video port, monitor, VCR/DVD, and bracket	
		<u>Electronic Safety and Security</u> :	Div. 28
		Life safety devices per code	

NOTES:

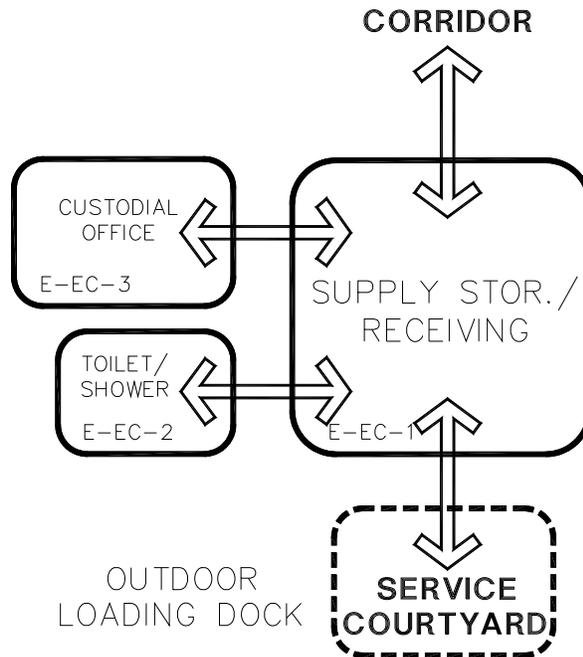
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Provide hardwood on forestage and extend into stage at width of proscenium by 10'-20' deep.



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

Maintenance & Custodial Space Requirements

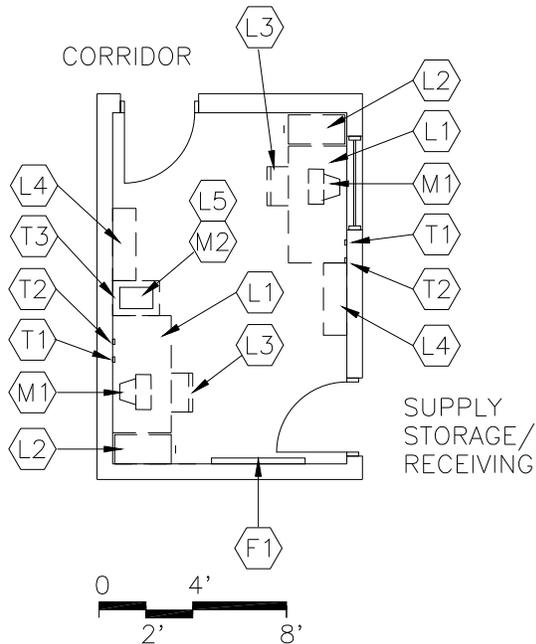
Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Receiving and storage	1	450	450	
Facilities Manager	1	80	80	
Custodial Office	1	140	140	
Toilet/Showers/Lockers	2	125	250	
Outside storage	1	300	300	
Total			1220	





CUSTODIAL OFFICE

M-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 of supply storage/receiving

CAPACITY:

- Maintenance and custodial staff

SIZE:

- 150 SF

ANCILLARY SPACES:

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

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

**CUSTODIAL OFFICE
M-EC-3**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Tack board (4 LF)	101100
Base:		Fire Suppression:	
Resilient base	096519	Fire suppression system	Div. 21
Ceiling:		Plumbing:	
Suspended, acoustical	095113	N/A	
Walls:		HVAC:	
Painted concrete masonry units	042000 / 099123	Supply/return air system	Div. 23
Independent temperature control		Independent temperature control	
<u>Loose Furnishings:</u>		Electrical:	
L1 desk		Duplex receptacles	Div. 26
L2 four-drawer file cabinet		TVSS protected quad receptacle adjacent to data port	
L3 2 ergonomic task chairs		Single-level switching	
L4 Adjustable height bookshelves (12 LF)		Fluorescent lighting	
L5 Printer table		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		Communications:	Div. 27
		T1 2 data ports	
		T2 2 voice ports and phones	
		T3 Data port for printer	
		Electronic Safety and Security:	Div. 28
		Life safety devices per code	

NOTES:

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

March 2014



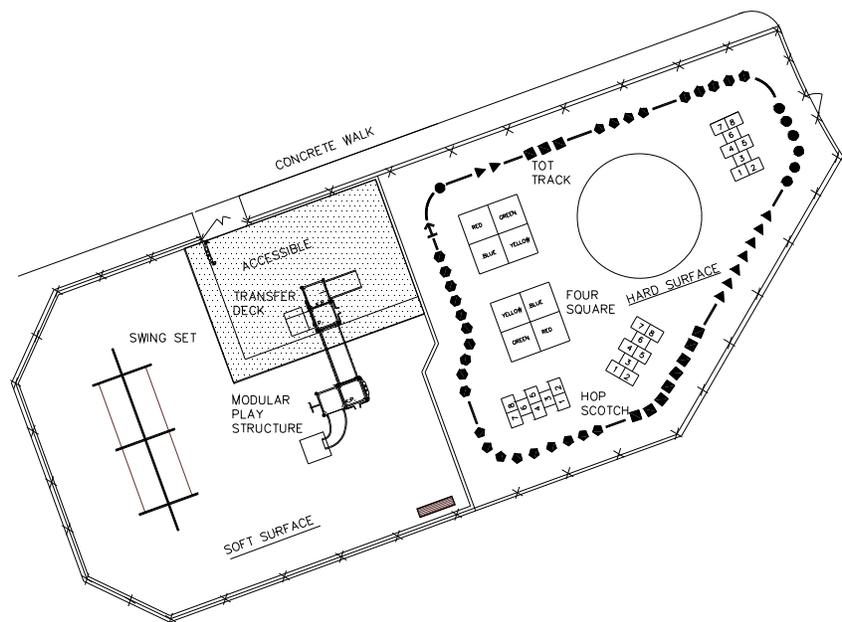
PLAYGROUNDS

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.



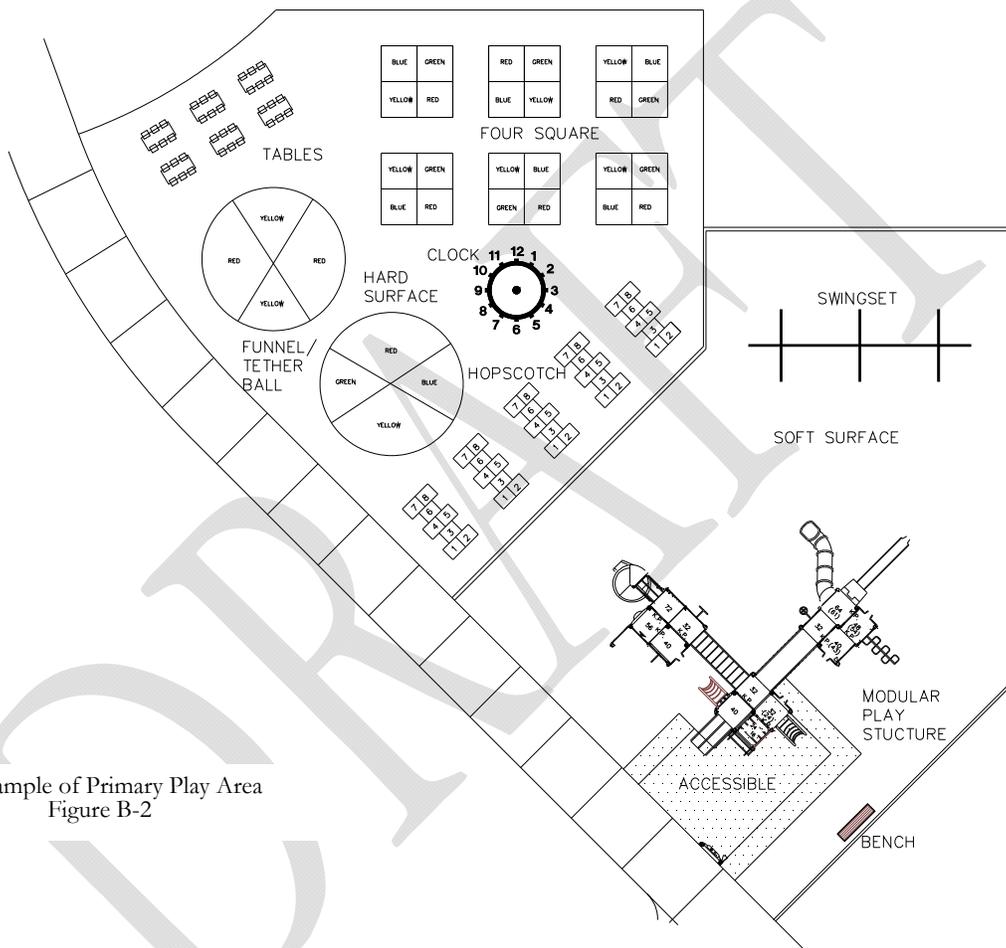
Example of Pre-kindergarten to Grade 1 Play Area
Figure B-1



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

Primary Play Area (See Figure B-2)

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



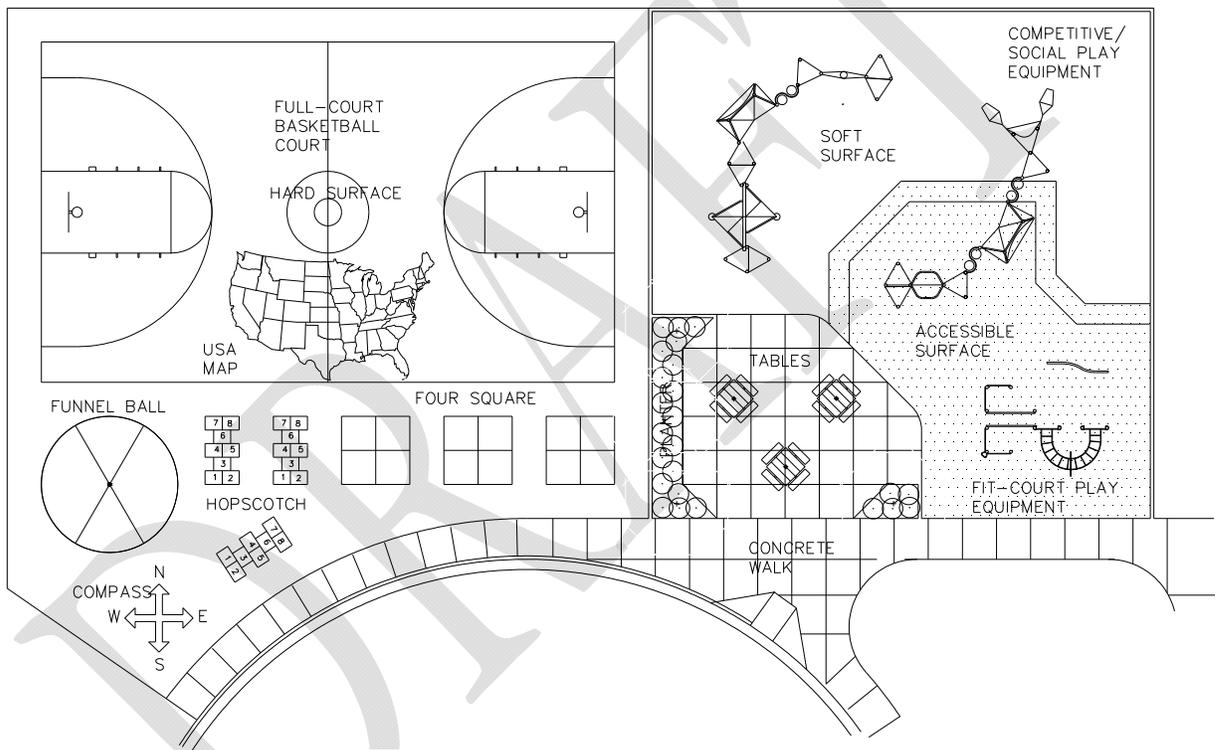
Example of Primary Play Area
Figure B-2



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).

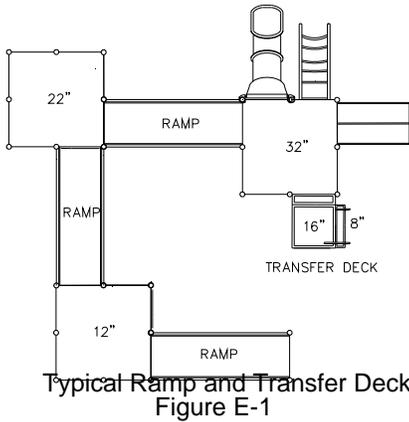


Example of Intermediate Play Area
Figure B-3

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.