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Watkins Elementary School  
Draft Educational Specifications

550 capacity

November 2013

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DRAFT

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**District of Columbia Public Schools**

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

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

CORE BELIEFS:

Children First

Parents Are Our Partners

Victory Is In the Classroom

It Takes A Village to Raise A Child

Leadership and Accountability Are the Keys to Our Success

## Classroom Modernization Phase I

### Scope

The 2010-2016 Capital Improvement Plan prioritizes projects that will improve the learning environment, improve student performance, and advance educational outcomes within five years. To that end all elementary (excluding new or recently modernized) will receive a Phase 1 modernization. The scope of the Phase 1 projects has evolved to include all teaching spaces including the corridors and the bathrooms. The media center and the administrative areas will also be right-sized and modernized to the extent feasible. The dining, physical education spaces and the site improvements will be addressed in Phase 2 of the project. Although all projects will be customized to the needs of the school, the emphasis will be on improving lighting quality, temperature and air quality, acoustics, technology and furniture in the core educational spaces.

This educational specification provides three resources for establishing the scope of this project:

1) performance standards in the five priority areas 2) a 'master plan' floor plan to indicate room uses 3) design guidelines to define finishes, technology, and fixed equipment and loose furniture. Appendix A identifies the additional spaces required for a typical school of this size and is for planning purposes only.

### Background

Watkins Elementary School is part of the Capital Hill Cluster, a unique PS – Grade 8 school that is located in three buildings in the Capital Hill neighborhood. The following is abstracted from the Cluster's web site:

"Watkins provides students in first through fifth grade with a strong academic foundation and love of learning to carry them through their school years. Diverse "specials" classes ranging from art and music to computers and FoodPrints offer students a well-rounded, enriching curriculum. Location: 420 12th St. SE."



"Laying a Foundation for Lifetime Learning

With a commitment to small class sizes along with the amenities of a large school, Watkins is a safe, challenging, and engaging learning environment for 540 first through fifth grade students.

#### INSPIRING LEARNERS

Watkins develops well-rounded students who work collaboratively and recognize their role as members of a larger community. With a curriculum focused on non-fiction writing, critical thinking skills, and conceptual math, teachers emphasize the application of numeracy and literacy to real-world situations, use multiple methods to teach each skill, and encourage students to explain and discuss their approach to solving problems. Six special subjects – art, music, computer, library, guidance, and physical education – reinforce and enhance the academic curriculum.

#### READING AND MATH BUDDIES

Capitalizing on our Pre-K through 8th grade learning community, older students partner with younger students as Reading and Math Buddies. These relationships provide younger students with academic support and positive role models while older students gain a sense of responsibility and commitment to their community.

**A POSITIVE ENVIRONMENT**

Watkins employs Responsive Classroom, a research-based approach to education that encourages cooperation, empathy, responsibility, self- control, and collaborative problem solving. Daily recess is supervised by teachers on a brand-new playground complete with a nature play area and climbing wall. A new turf field, basketball courts, and roller/ice rink provides additional space for play.

**FOODPRINTS, GARDENS, AND FOOD LAB**



The Watkins campus is home to the [largest and most beautiful schoolyard garden](#) in DCPS, with 20 themed gardens that support lessons across the curriculum. First, third and fourth graders participate in the innovative FoodPrints classes in which garden activities such as planting, harvesting, and cooking are used to teach concepts in science, math, social studies, physical education, and writing. Watkins boasts a brand-new Food Lab thanks to the generosity of over 470 individual donors who contributed a total of \$60,000 to make the dream of a teaching kitchen a reality.

**ARTS INTEGRATION IN ACTION**



One example of arts integration at Watkins is the Young Playwrights Theater In-School Playwriting Program, which recently received a National Arts and Humanities Youth Program Award from First Lady Michelle Obama. Fourth-grade students explore playwriting, revision, and performance with professional playwrights, actors, directors, and teaching artists. Students learn the importance of language structure, grammar, spelling, and vocabulary choice as a means of clearly communicating their own thoughts to the world around them. During a series of standards-based, in-class workshops, students explore the mechanics of language, drama, and self-expression, culminating in the creation of their own original play.

**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
450								

The 2010 Facilities Master Plan proposes a future capacity of 550 as follows.

Proposed Capacity Model

Grade	Number of Classrooms	Capacity
1st Grade	5	110
2nd Grade	5	110
3rd Grade	5	110
4th Grade	5	110
5th Grade	5	110
Total	25	550

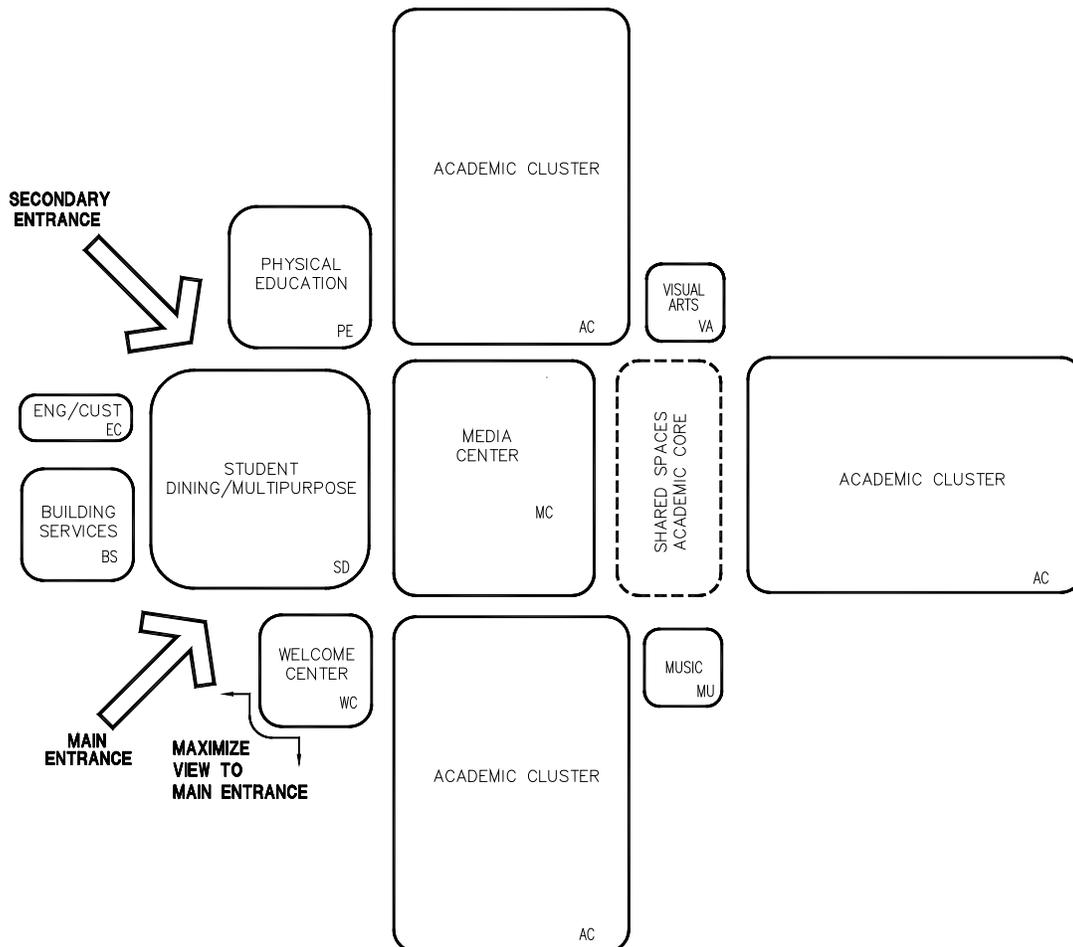
School Concerns

## 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.



## **Core Instructional Spaces**

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

## **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**

Watkins Elementary School serves only Grade 1-5. Peabody Elementary School houses the early childhood program for the Capital Hill cluster schools.

## **Instructional Methods**

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

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

## **“Welcome Area”/Administration/Student Services**

Immediately upon entry, visitors will be greeted in the “welcome area.” The administrative offices and guidance services will be located in this centralized area at the main entrance to the school.

## **Media Center**

The DCPS 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."

## **Visual Arts, Performing Arts and Science**

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

## **Physical Education**

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

## **Corridors and Commons Spaces**

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

## **Furniture & Equipment**

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

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

## **Technology**

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

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

DCPS is moving to on-line testing. Approximately 1/3 of the students in Grades 2-5 should be able to test at one time. For Watkins 140 students must be able to work for up to 4 hours using wired and wireless access. The media center should provide 25 locations. Additional locations may be the music and art rooms. All locations will need additional electrical outlets.

## **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. 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.

**Performance Criteria**

Lighting Quality: Improving natural and artificial lighting in classrooms

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

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

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

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

	<b>DESIGN PARAMETERS</b>	<b>PARAMETER NOTES</b>
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.

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

**Sustainability:** Build for energy efficiency

<b>DESIGN PARAMETERS</b>		<b>PARAMETER NOTES</b>
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
- All doors will have locks on the inside.

### **3. Uses of Technology**

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

### **4. Vehicular and Pedestrian Traffic**

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

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

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

## 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
- 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.

### Building Space Summary

Space Summary		Modernization
	Phase 1	Total
Core Academic Areas	28,550	29,550
Media Center	3,850	3,850
Auditorium/Assembly/Physical Education	0	4,850
Administration	3,330	3,330
Student Dining & Food Service	As is	4,250
Maintenance & Custodial Services	600	600
Mechanical, Electrical, Toilets, Custodial Closets	17,559	17,559
<b>Total Net</b>	<b>53,889</b>	<b>63,989</b>
Construction Factor[.082]	4,419	5165
<b>Total Gross</b>	<b>58,308</b>	<b>65,735</b>

Phase 2

### Outdoor Area Requirements Summary

Exterior Spaces (play areas 'as is')
Structured Play Area For Primary/Intermediate Grades
Outdoor Paved Play Area [reduced size basketball courts, with markings for other games]
Outdoor Classroom Gazebo
Green area for garden/environmental programs
Faculty, Staff, and Visitor Parking (63 spaces)

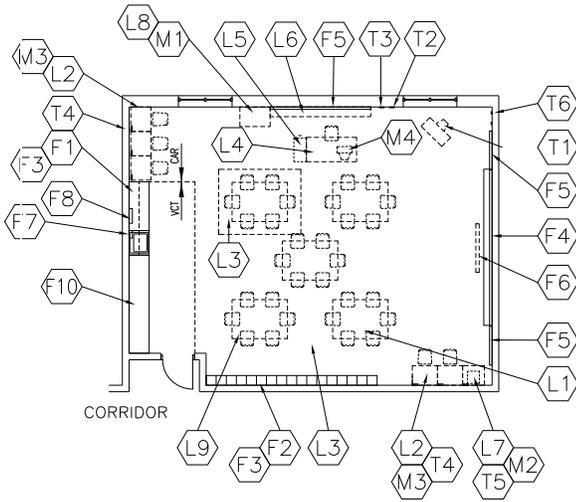
**Core Academic Area Space Requirements**

Spaces	Guideline		Total	Comments
	Quantity	S.F.		
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	
Special Needs				
- Resource Rm.	2	300	600	Includes storage
- Speech/OT/PT	1	250	250	
- Offices(SE coordinator/ itinerant)	2	150	300	
Instructional Coaches, ELL, Social Worker	4	100- 200	600	
Parent Resource Center	1	250	250	
Workrooms	3	200	600	One per floor
- Laptop cart storage/charging	3	50	150	
<b>Additional instructional spaces</b>				
Spanish	1	900	900	
Art	1	1,200	1,200	w/ kiln and storage
Music	1	1,000	1,200	
Nutrition Science (FoodPrints)	1	1,000	1,000	(See staff for guidelines)
<b>Total:</b>			<b>29,550</b>	

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

**GRADES 1-5 CLASSROOM /SPANISH**

**E-ACA-2**



**SIZE:**

- 850 SF to 950 SF

**CAPACITY:**

- 20-22 students (1<sup>st</sup> – 3<sup>rd</sup>)
- 22-24 students (4<sup>th</sup> – 5<sup>th</sup>)
- 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. Items listed as casework may be purchased as furniture.
3. Classroom layouts should be opposite hand allowing sinks to be back to back.

**GRADES 1-5 CLASSROOM/SPANISH**

**E-ACA-2**

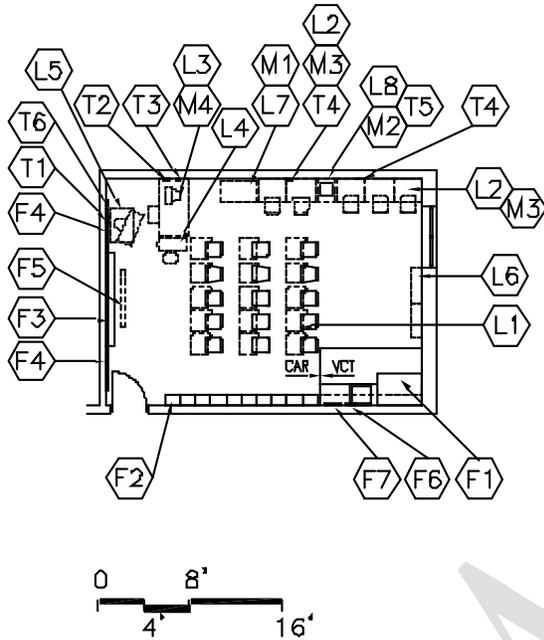
<u>Finishes<sup>1</sup>:</u>	<u>Spec. Ref.#</u>	<u>Features<sup>1</sup>:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u> Resilient tile flooring	096519	<u>Fixed Equipment:</u> F1 Casework: Base/wall cabinets by sink Sturdy shelves on 3 walls in storage area	123200
<u>Base:</u> Resilient base	096519	F2 Carpentry: Student cubbies (24/28)	064123
<u>Ceiling (9' high minimum):</u> Suspended, acoustical	095113	F3 Casework: Wall shelving (24 LF- H 30-32")	123200
<u>Walls:</u> Painted concrete masonry units or dry wall	042000/099123	F4 Marker board (2 walls) 16 LF primary/8 LF secondary	101100
One tackable wall surface	101100	F5 Tack board flanking marker boards Plus two (2) parallel rows of continuous tack strips on all available walls (4 LF or longer) at 30" and 48" AFF	101100
<u>Loose Furnishings:</u> L1 5 tables or 24 student desks (see Furniture Standards) One kidney table L2 3-5 computer workstations L3 Bound carpet rug (thru Grade 2) L4 Teacher workstation with mobile storage and 2 chairs L5 Four drawer file cabinet L6 Adjustable height bookshelves L7 Printer table L9 27 student chairs		F6 Manual projection screen (60"X60") F7 Soap dispenser F8 Towel dispenser F9 Casework: Wardrobe (18"X18")	115213 <sup>2</sup> 102800 102800 123200
<u>Communications:</u> Single point 'face plate' near teachers work station to include: Voice, data, VGA , audio enhancement, and HDMI Additional ports: Printer Cable/MATV port 5 data ports for student use Electronic white board Clock/PA 2 wireless	Div. 27	<u>Fire Suppression:</u> Fire suppression system  <u>Plumbing:</u> Div. 22 Sink with drinking fountain (optional) Plumbing connections  <u>HVAC:</u> Div. 23 Supply/return air system Independent temperature control	Div. 21
<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28	<u>Electrical:</u> Div. 26 Duplex receptacles 3 per primary teaching wall 2 per other walls TVSS protected quad receptacle adjacent to each data and video port Multilevel switching Fluorescent lighting Illumination level: See Table 7600-16 Clock Central sound system  <u>Miscellaneous</u> M2 Printer M3 3-5 computers for student use M4 Laptop computer for teacher use Audio enhancement Equipment Document camera	

**NOTES:**

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

**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
- 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.

**RESOURCE CLASSROOM****E-ACA-4**

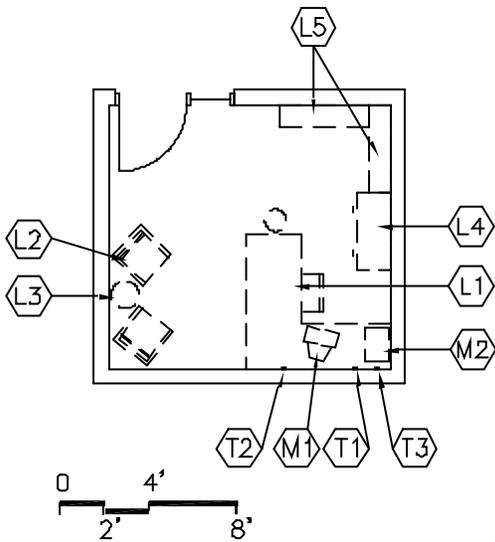
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Rubber tile	096519	F1 Casework:	123200
		Base/wall cabinets and shelving	
Base:		Paper storage cabinets	
Resilient base	096519	F3 Marker board (8 LF)	101100
		F4 Tack board (8 LF minimum)	101100
Ceiling (9' high minimum):		F5 Manual projection screen	115213
Suspended, acoustical	095113	F6 Soap dispenser	102800
		F7 Towel dispenser	102800
Walls:		F8 Casework: Wardrobe	123200
Painted concrete masonry units or dry wall			
	042000/099123	<u>Fire Suppression:</u>	Div. 21
		Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u> Div. 22	
L1 6 student desks or 2 student tables with 6 chairs		Plumbing connections (optional)	
L2 3 computer workstations and chairs		Sink with drinking fountain	
L3 2 Teacher workstations and chair			
L4 2 Four-drawer file cabinet		<u>HVAC:</u> Div. 23	
L5 Mobile shelving		Supply/return air system	
L6 Adjustable height bookshelves (20 LF)		Independent temperature Control	
		<u>Electrical:</u> Div. 26	
<u>Communications:</u>	Div. 27	Duplex receptacles	
Single point 'face plate' near teachers work station to include:		3 per primary teaching wall	
Voice, data, VGA , audio enhancement, and HDMI		2 per other walls	
Additional ports:		TVSS protected quad receptacle adjacent to each data and video port	
Printer		Fluorescent lighting	
Cable/MATV port		Illumination level: See Table 7600-16	
3 data ports for student use		Multilevel switching	
Electronic white board		Clock	
Clock/PA		Central sound system	
1 wireless			
<u>Miscellaneous:</u>		<u>Electronic Safety and Security:</u>	Div. 28
M2 Printer		Life safety devices per code	
M3 3 computers for student use			
M4 Computer for teacher use			

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to Educational Specifications – Technology, Section 1240.
3. Items listed as casework may be purchased as furniture.

**STUDENT SERVICES**

**E-ACA-5**



**GOAL:**

- To serve as a space from which support staff can provide a variety of services to students and their families

**PROGRAM ACTIVITIES:**

- Group and individual counseling
- Student assessment

**SPATIAL RELATIONSHIPS:**

- Near Academic Core areas

**ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting
- Environmental sound control:  
Wall minimum: STC 45  
Ceiling minimum: CAC 35
- Windows to provide natural light if on outside wall, if possible

**CAPACITY:**

- Counselors/social workers/Sped Coordinators
- Students and parents
- Staff

**SIZE:**

- 150 SF

**NOTES:**

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

**STUDENT SERVICES**

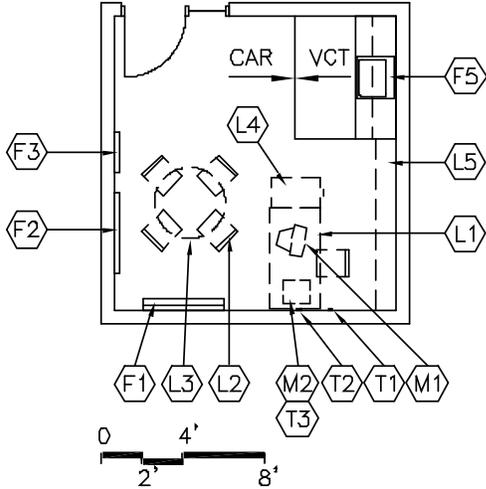
**E-ACA-5**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Linoleum	096516	N/A	
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted gypsum wallboard over metal studs	092116/ 099123	Supply/return air system Independent temperature control	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Admin workstation and chair		Duplex receptacles	
L2 Visitor chair		TVSS protected quad receptacle adjacent to each data port	
L3 Small table (optional)		Single-level switching	
L4 Four-drawer file cabinet		Fluorescent lighting	
L5 Adjustable height bookshelves (12 LF)		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Data port near workstation	
		T2 Voice port and phone	
		T3 Data port for printer	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Computer	
		M2 Printer	

**NOTES:**

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

**SPEECH ROOM E-ACA-6**



**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

**CAPACITY:**

- 1-3 students
- 1-2 staff

**SIZE:**

- 200 SF

**ANCILLARY SPACES:**

N/A

**NOTES:**

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

**SPEECH ROOM**

**E-ACA-6**

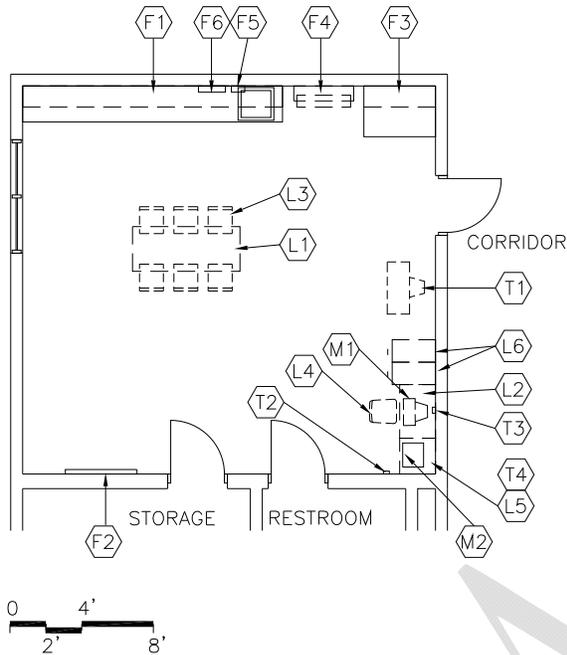
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Carpet	096816	F1	101100
		F2	101100
<u>Base:</u>		F3	088000
Resilient base	096519	F4	123200
			102800
<u>Ceiling:</u>		F5	102800
Suspended, acoustical	095113	F6	102800
<u>Walls:</u>		<u>Fire Suppression:</u> Div. 21	
Painted gypsum wallboard over metal studs	092116/ 099123	Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u> Div. 22	
L1	Admin workstation and chair	Sink with drinking fountain (optional)	
L2	Visitor chairs	Plumbing connections	
L3	Small table		
L4	Four-drawer file cabinet	<u>HVAC:</u> Div. 23	
L5	Adjustable height bookshelves (12 LF)	Supply/return air system	
		Independent temperature control	
<u>Communications:</u>	Div. 27	<u>Electrical:</u> Div. 26	
Single point 'face plate' near teachers work station to include:		Duplex receptacles	
Voice, data, VGA , audio enhancement, and HDMI		TVSS protected quad receptacle adjacent to each data port	
<u>Additional ports:</u>		Single-level switching	
Printer		Fluorescent lighting	
data port for student use		Illumination level: See Table 7600-16	
Clock/PA		Clock	
1 wireless		Central sound system	
		<u>Electronic Safety and Security:</u> Div. 28	
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1	Computers
		M2	Printer

NOTES:

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

**WORKROOM / TEACHER OFFICE**

**E-ACA-12**



**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

**SPATIAL RELATIONSHIPS:**

- Near Academic Core classrooms (centrally located)
- Access to Staff Restroom(s) from within Workroom/Teacher Office
- Access to Storage 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

**CAPACITY:**

- Teachers
- Teachers' assistants
- Parents/volunteers

**SIZE:**

- Varies, see table

**ANCILLARY SPACES:**

- Staff restroom

**NOTES:**

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

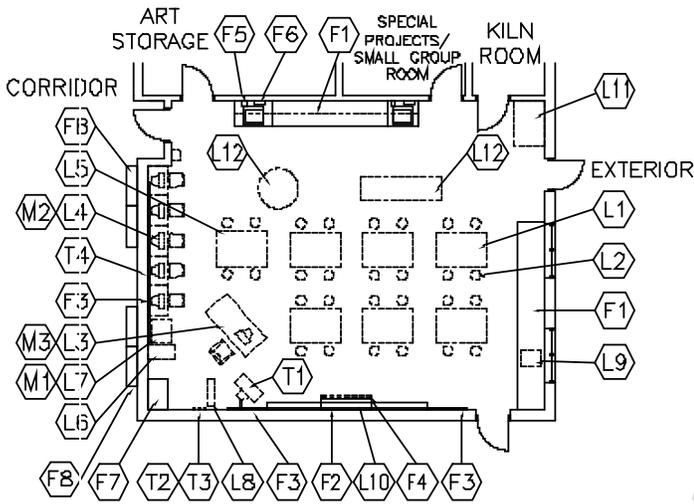
**WORKROOM / TEACHER OFFICE**

**E-ACA-12**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Resilient tile flooring	096519	F1 Casework:	123200
		Base cabinets	
		Wall cabinets/shelving	
<u>Base:</u>		F2 Tack board (4 LF)	101100
Resilient base	096519	F3 Casework:	123200
		Deep storage for poster board	
<u>Ceiling:</u>		F4 Towel dispenser	102800
Suspended, acoustical	095113	F5 Soap dispenser	102800
<u>Walls:</u>			
Painted concrete masonry units		<u>Fire Suppression:</u>	Div. 21
	042000/099123	Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u> Div. 22	
L1 1-2 Table (s)		Plumbing connections	
L2 Computer workstation furniture		Sink	
L3 6 chairs		<u>HVAC:</u> Div. 23	
L4 Ergonomic task chair		Supply/return air system	
L5 Printer table			
L6 2, four-drawer file cabinets		<u>Electrical:</u> Div. 26	
	Div. 27	Duplex receptacles	
<u>Communications:</u>		TVSS protected quad receptacle	
T2 Voice port and phone		adjacent to each data and	
T3 Data port near workstation		video port	
T4 Data port at printer		Fluorescent lighting	
		Illumination level: See Table 7600-16	
<u>Miscellaneous:</u>		Multilevel switching	
M2 Printer		Clock	
		Central sound system	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

**ART LAB**

**E-VA-1**



**CAPACITY:**

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

**SIZE:**

- Varies, see table

**ANCILLARY SPACES:**

- Kiln Room (E-VA-3) 75 SF
- Art Storage (E-VA-2) 125 SF

**SPATIAL RELATIONSHIPS:**

- Centrally located with convenient access to Core Academic classrooms
- Adjacent and access to Kiln Room

**GOALS:**

- To provide an area for students to work on a variety of art projects and to have positive experiences, which include developing confidence, commitment, and a sense of accomplishment
- To explore the manipulation of a variety of materials
- To develop technical and expressive skills
- To become aware of and be able to articulate thoughts about art and its reflection of other societies, cultures, and times
- To provide clean, adequate space in which to store art supplies and student projects

**PROGRAM ACTIVITIES:**

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

**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 presentation as required

**NOTES:**

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

**ART LAB**

**E-VA-1**

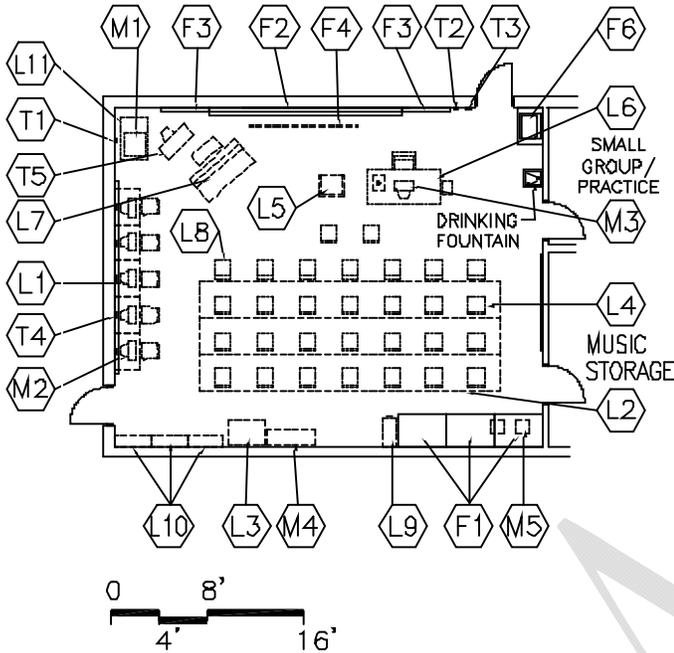
<u>Finishes<sup>1</sup>:</u>	Spec. <u>Ref.#</u>	<u>Features<sup>1</sup>:</u>	Spec. <u>Ref.#</u>
<p><u>Flooring:</u>                      Quartz tile</p>	096618	<p><u>Fixed Equipment:</u>                      F1 Casework:                      30" high base/wall cabinets near                      sinks</p>	123200
<p><u>Base:</u>                      Resilient base</p>	096519	<p>Paper storage cabinets</p>	
<p><u>Ceiling (12' high minimum to underside of deck):</u>                      Exposed structure, painted                      with acoustical treatment</p>	099123 098400	<p>F2 Marker board                      16 LF primary</p>	101100
<p><u>Walls:</u>                      Painted concrete masonry units or dry wall                      One tackable wall</p>	042000 / 099123	<p>F5 Tack board flanking marker board                      Plus two (2) parallel rows of                      continuous tack strips on all available                      walls (4 LF or longer) at 30" and 48"                      AFF</p>	
<p><u>Loose Furnishings:</u>                      L1 12 2-person student work tables                      L2 24-30 Student chairs                      L3 Teacher workstation and chair                      L4 3 computer (laptops) tables and chairs                      L6 1, four-drawer file cabinet                      L7 Audio visual cart for teacher use                      L10 Adjustable height shelves (24 LF) for                      drying 3D objects                      Drying rack (40-80 slats)                      Flat storage (10 drawers)</p>		<p>F6 Manual projection screen (60"x60")                      F5 Soap dispenser (at each sink)                      F6 Towel dispenser (at each sink)                      F7 Casework: Wardrobe                      F8 Display cases</p>	115213 <sup>3</sup> 102800 102800 123200
<p><u>Communications:</u>                      Single point 'face plate' near teachers work                      station to include:                      Voice, data, VGA , audio enhancement,                      and HDMI                      Additional ports:                      Printer                      Cable/MATV port                      3 data ports for student use                      Electronic white board                      Clock/PA                      2 wireless</p>	Div. 27	<p><u>Fire Suppression:</u>                      Fire suppression system</p>	Div. 21
<p><u>Miscellaneous:</u>                      M1 Interactive white board                      M2 3 computers for student use                      M3 Computer for teacher use                      Audio enhancement equipment                      Document camera</p>	Div. 27	<p><u>Plumbing:</u> Div. 22                      Sinks with solids interceptor                      2 large, deep sinks                      Plumbing connections</p>	
		<p><u>HVAC:</u> Div. 23                      Supply/return air system                      Independent temperature control                      Manually controlled general exhaust</p>	
		<p><u>Electrical:</u> Div. 26                      Duplex receptacles                      3 per primary teaching wall                      At least 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                      Display/track lighting</p>	

**NOTES:**

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

**GENERAL MUSIC ROOM**

**E-MU-1**



**CAPACITY:**

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

**SIZE:**

- 1,000 SF

**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 (stereos, CD players, computers and printer, laser discs)
- Sing alone and with others (solos, duets, trios, ensembles, large groups)
- Guest speakers and performers (solo and ensembles)
- Group instruction (small and large)
- Choral, speech, theatrics (musicals, operas)
- View educational videos for music enrichment
- Extra-curricular after school activities (i.e., Odyssey of the Mind, church groups)

**SPATIAL RELATIONSHIPS:**

- Storage in the classroom

**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
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Auditory privacy
- Drinking fountain in classroom

**NOTES:**

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

**GENERAL MUSIC ROOM****E-MU-1**

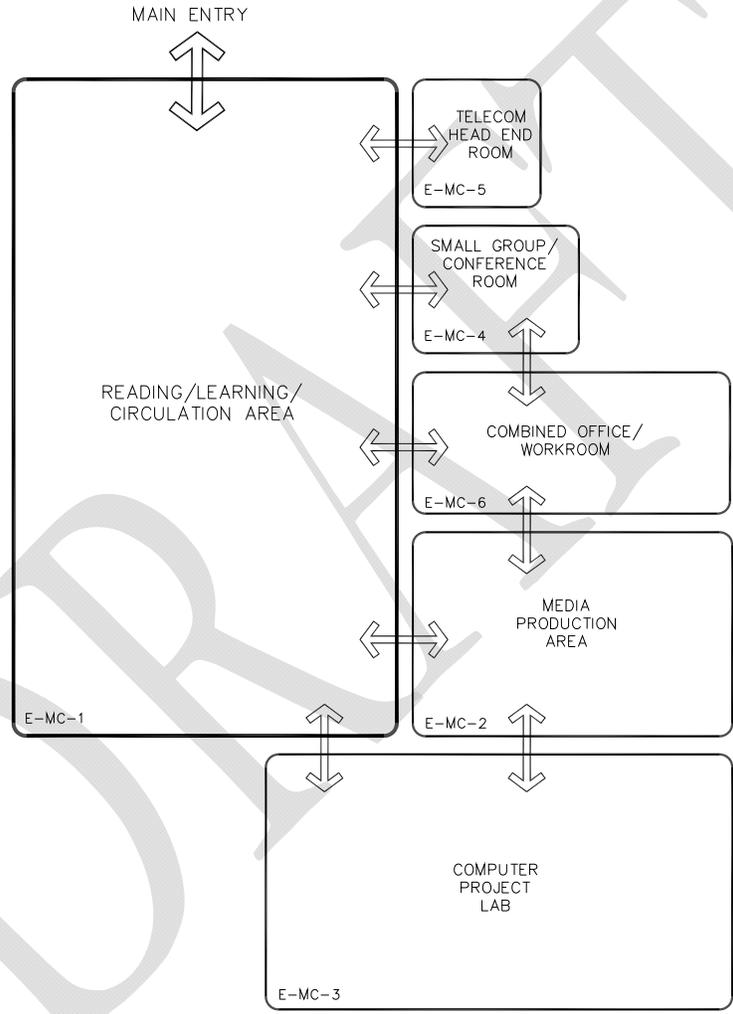
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Casework:	
Base:		Paper storage cabinets	123200
Resilient base	096519	F2 Marker board (16 LF)	
Ceiling(10' high minimum):		1/2 with music staff bars	101100
Suspended, acoustical	095113	F3 Tack board	101100
Walls:		F4 Manual projection screen	115213
Painted concrete masonry units		F5 Casework:	
042000 / 099123		Wardrobe	123200
		F6 Casework:	
		Sink cabinet	123200
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
L1 3 computer workstations and chairs		Fire suppression system	
L2 Portable choral risers with rails		<u>Plumbing:</u> Div. 22	
L3 Mobile A/V cabinet		Plumbing connections	
L4 24 music posture chairs		Drinking fountain	
L5 Conductor podium, chair and stand		Sink	
L6 Teacher desk and chair		<u>HVAC:</u> Div. 23	
L7 Upright piano		Supply/return air system	
Instrument storage		Independent temperature	
(see furniture standards)		control	
L9 Four-drawer file cabinet		<u>Electrical:</u> Div. 26	
L10 Adjustable height bookshelves (24LF)		Duplex receptacles	
		3 per primary teaching wall	
<u>Communications:</u>	Div. 27	2 per other walls	
Single point 'face plate' near teachers work		TVSS protected quad receptacle	
station to include:		adjacent to each data and	
Voice, data, VGA , audio enhancement,		video port	
and HDMI		Multilevel switching	
Additional ports:		Fluorescent lighting	
Printer		Illumination level: See Table 7600-16	
Cable/MATV port		Theatrical lighting	
3 data ports for student use		Clock	
Electronic white board		Central sound system	
Clock/PA		<u>Electronic Safety and Security:</u>	Div. 28
2 wireless		Life safety devices per code	
<u>Miscellaneous:</u>			
M1 Projection device on cart	Div. 27		
M2 3 computers for student use			
M3 Computer teacher use			
M4 MIDI synthesizer			
M5 A/V recording/playback equipment			
Document camera			

**NOTES:**

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

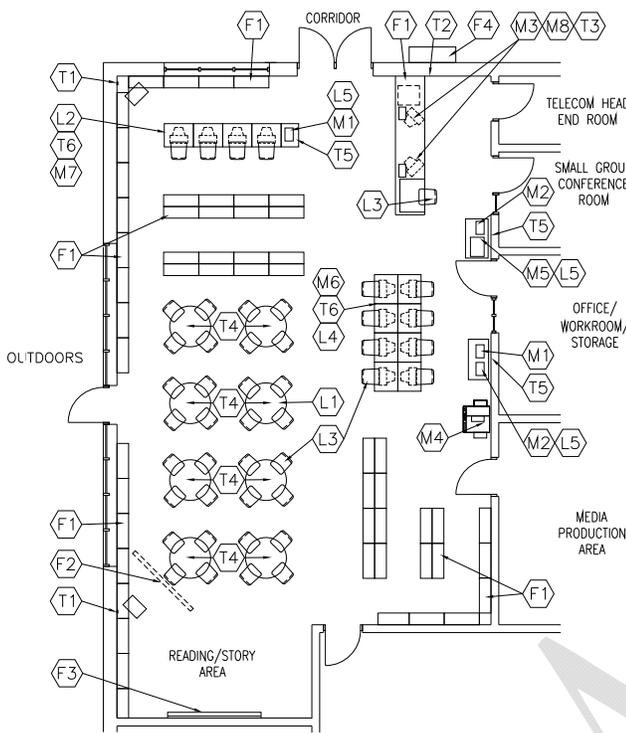
**MEDIA CENTER**

Spaces	Qty.	S.F.	Total	Comments
Reading/Learning/Circulation	1	2,200	2,200	
Computer Lab	1	900	900	
IT Tech office/workroom	1	200	200	
Media Production	1	450	450	
Telecom Head End Room	1	100	100	
<b>Total</b>			<b>3,850</b>	



**READING / LEARNING / CIRCULATION AREA**

**E-MC-1**



**CAPACITY:**

- 50 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.

**READING / LEARNING / CIRCULATION AREA**

**E-MC-1**

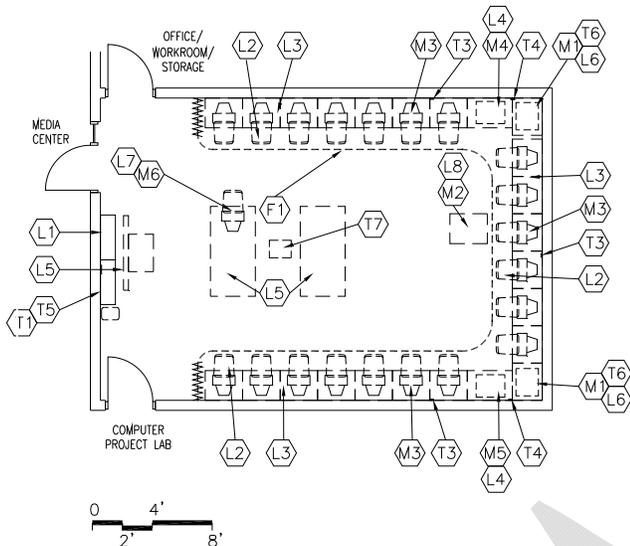
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Library casework (see furniture standards)	
Base:		F2 Motorized projection screen	115213
Resilient base	096519	F3 Marker board (8 LF)	101100
Ceiling:		F4 Display cases	123559
Suspended, acoustical	095113	<u>Fire Suppression:</u>	Div. 21
Walls:		Fire suppression system	
Painted concrete masonry units	042000 / 099123	<u>Plumbing:</u>	
<u>Loose Furnishings:</u>		N/A	
L1 8, four-person tables (different heights)		<u>HVAC:</u>	Div. 23
L2 2-4 automated card catalog stations		Supply/return air system	
L3 45 chairs (per student enrollment)		Independent temperature control	
L4 8-12 seated reference stations		<u>Electrical:</u>	Div. 26
L5 Printer table		Duplex receptacles	
Soft seating		TVSS protected quad receptacle adjacent to each data and video port	
<u>Miscellaneous:</u>		Single-level switching	
M1 Black and white printers		Fluorescent lighting	
M2 Color printers		Illumination level: See Table 7600-16	
M3 2 bar code readers		Means of egress lighting per code	
M4 Photocopy machine		Central sound system	
M5 Digital scanner		Floor boxes (electrical/data) throughout reading room for flexible loose furnishings layout	
M6 8-12 computers for student use		<u>Communications<sup>2</sup>:</u>	Div. 27
M7 2-4 computers for reference		T1 2 video port, monitor, VCR/DVD, and brackets	
M8 2 computers for staff use		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.

**MEDIA PRODUCTION AREA**

**E-MC-2**



**GOAL:**

- To provide a soundproof, properly lighted room for video productions, audio productions, publication purposes, and multimedia productions using computer accessories and peripherals such as scanners, digital cameras, etc.

**PROGRAM ACTIVITIES:**

- Video creation/production
- Voice over/dubbing
- Creative writing
- Closed circuit TV production
- Newspaper production
- Scanning
- Digitizing

**SPATIAL RELATIONSHIPS:**

- Adjacent to and access to Reading/Learning/Circulation Area
- Adjacent and access to Computer Project Lab
- Adjacent and access to Workroom/Storage

**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
- Due to the changing nature of technology, a media production room is to be designed for flexibility of use.
- Provide visual control from media center

**CAPACITY:**

- 20 students
- 2 teachers
- Community patrons after school hours

**ANCILLARY SPACES:**

- Reading/Learning/Circulation Area (E-MC-1)
- Combined Office/Workroom (E-MC-6)

**NOTES:**

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

**MEDIA PRODUCTION AREA**

**E-MC-2**

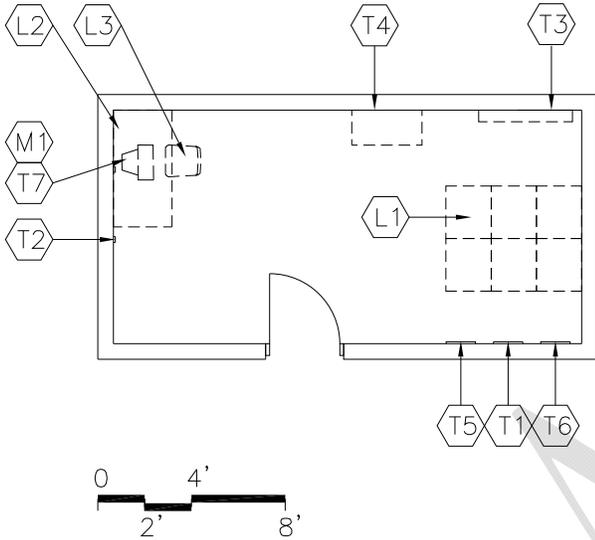
<u>Finishes<sup>1</sup>:</u>	Spec. <u>Ref.#</u>	<u>Features<sup>1</sup>:</u>	Spec. <u>Ref.#</u>
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Wall curtains	116143
		F2 Manual projection screen	115213
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u> Div. 23	
Painted concrete masonry units	042000 / 099123	Supply/return air system	
Windows/sidelites:		Independent temperature control	
Security glass	088000		
<u>Loose Furnishings:</u>		<u>Electrical:</u> Div. 26	
L1 Adjustable height bookshelf (12 LF)		Duplex receptacles	
L2 15-20 chairs		TVSS protected quad receptacle adjacent to each data port	
L3 15-20 computer tables		Multilevel switching	
L4 printer table		Fluorescent lighting with parabolic lenses	
L5 Work tables		Central sound system	
L6 Tables for scanners and other equipment			
<u>Miscellaneous:</u>		<u>Communications<sup>2</sup>:</u>	Div. 27
M1 digital scanner	Div. 27	T1 Video port, monitor, VCR/DVD, and brackets	
M3 15-20 computers for student use		T2 Voice port and phone	
M4 Laser printer		T3 20 data ports for student use in raceway	
M5 Inkjet printer		T4 2 data ports for printers	
		T5 Video/cable/MATV port	
		T6 data ports for scanner	
		T7 Ceiling mounted projector	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

**NOTES:**

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

**TELECOM HEAD END ROOM**

**E-MC-5**



**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

**CAPACITY:**

- 1-2 staff members

**SIZE:**

- 200 SF

**ANCILLARY SPACES:**

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

**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.

**TELECOM HEAD END ROOM**

**E-MC-5**

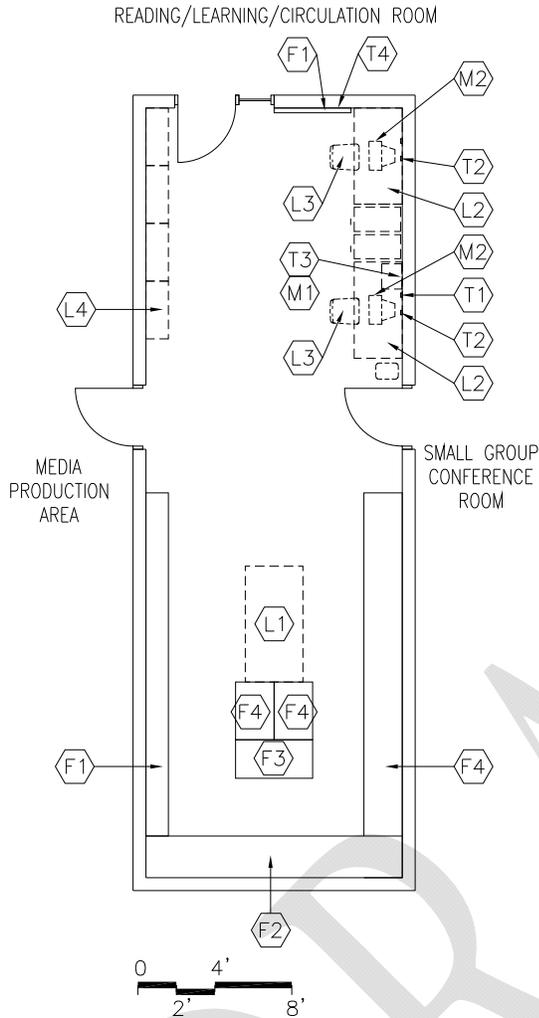
<u>Finishes</u> <sup>1</sup> :	Spec. Ref.#	<u>Features</u> <sup>1</sup> :	Spec. Ref.#
Flooring: Resilient tile flooring	096519	N/A	
Base: Resilient base	096519	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Ceiling: Suspended, acoustical	095113	<u>Plumbing:</u> N/A	
Walls: Painted concrete masonry units 042000 / 099123		<u>HVAC:</u> Div. 23 Supply/return air system Independent, packaged system	
<u>Loose Furnishings:</u> L1 6-8 technology racks Wastebasket L2 Workstation L3 Ergonomic task chair		<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>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.

**COMBINED OFFICE / WORKROOM**

**E-MC-6**



**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

**CAPACITY:**

- Media specialists

**SIZE:**

- Varies, see table

**ANCILLARY SPACES:**

- Reading/Learning/Circulation Area (E-MC-1)
- Media Production Area (E-MC-2)

**NOTES:**

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

**COMBINED OFFICE / WORKROOM**

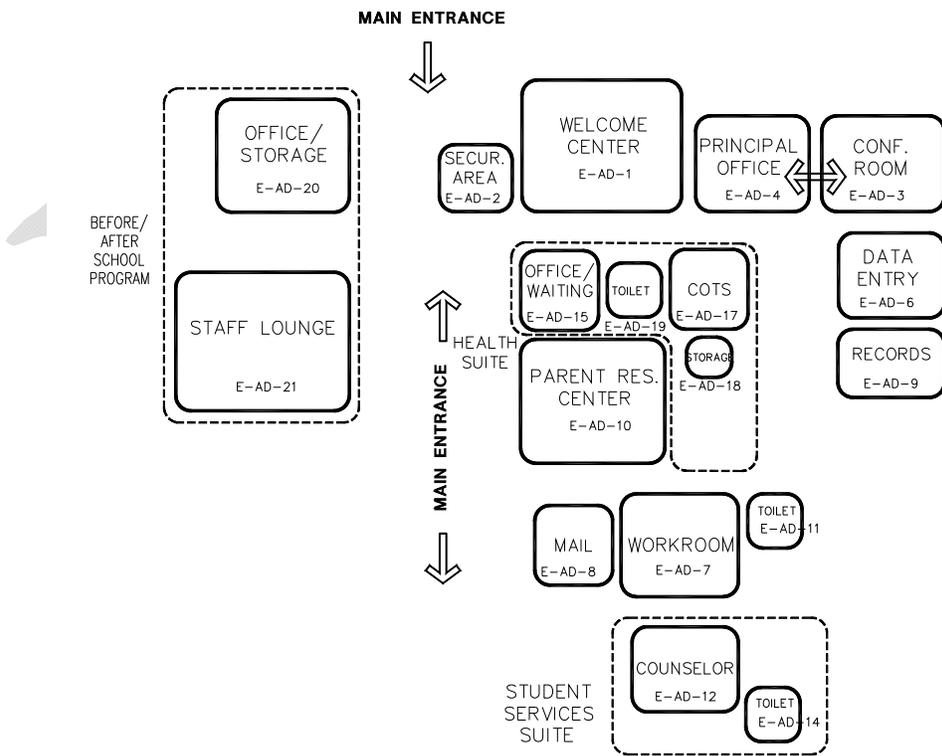
<u>Finishes</u> <sup>1</sup> :	Spec.	<u>Features</u> <sup>1</sup> :	Spec.
	<u>Ref.#</u>		<u>Ref.#</u>
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Storage shelving	105613
		F2 Casework:	
		Tall cabinet (24" deep)	123200
Base:		F3 Poster/map storage	123200
Resilient base	096519	F4 Casework: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

**NOTES:**

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

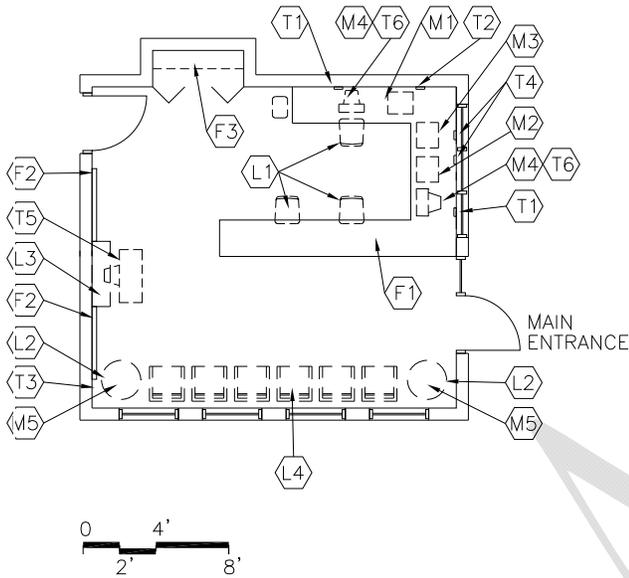
**ADMINISTRATION**

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Welcome Center	1	400	400	
Security Area w/ storage	1	75	75	
Conference Room	1	200	200	
Principal's Office	1	180	180	Including toilet
Assistant Principal/ Dean/Academic Officer	4	120	480	
Business Office	1	120	120	
Administrative Workroom	1	200	200	Supports three Admin. staff
Mailroom	1	100	100	
Records Room	1	150	150	Needs to be a secure space.
Toilet	1	50	50	
Student Services	1	150	150	
<b>Health Suite</b>				
Waiting/Treatment	1	150	150	
Office	1	100	100	
Cots	1	100	100	
Storage	1	25	25	
Toilet	1	50	50	
Extended Day Office/Storage	1	250	250	
PE Coach Office	1	150	150	
Staff Lounge	1	400	400	Includes staff toilet with shower.
<b>Total</b>			<b>3,330</b>	



**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
- Workstation for administrative assistant

**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.

**WELCOME CENTER**

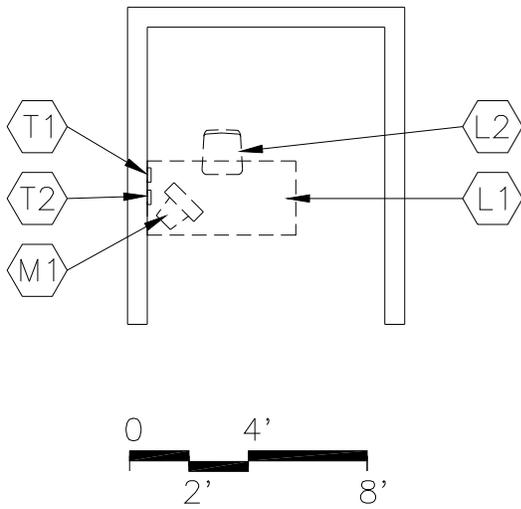
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1    Finish carpentry	
		Reception counter	064123
Base:		F2    Tack board (8 LF)	101100
Resilient base	096519	F3    Closet shelving	064123
Ceiling (8' high minimum):		<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	
		T3 Voice port and phone	
		at waiting area	
		T4 data ports for printer	
		T5 Video port, monitor, VCR/DVD,	
		and brackets	
		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.

**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:**

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

**SECURITY AREA**

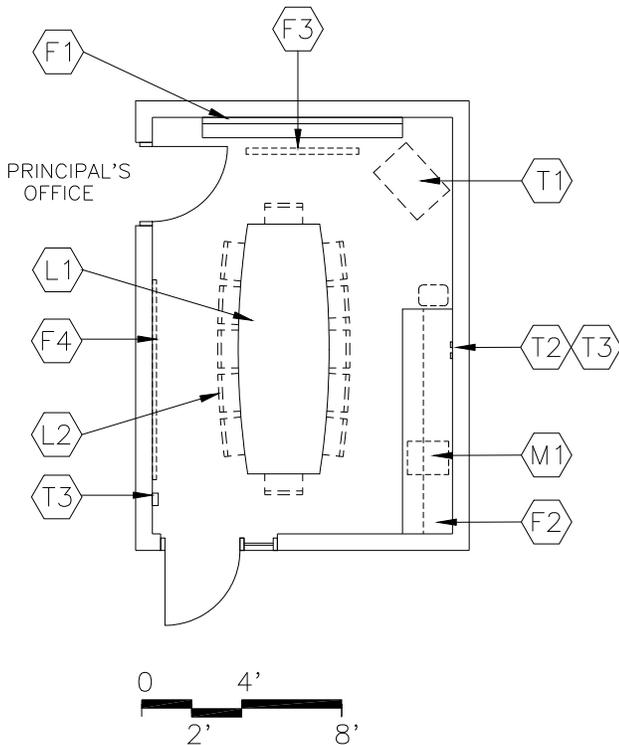
	Spec. <u>Ref.#</u>		Spec. <u>Ref.#</u>
<u>Finishes</u> <sup>1</sup> :		<u>Features</u> <sup>1</sup> :	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	N/A	
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling (8' high minimum):		<u>Plumbing:</u> Div. 22	
Suspended, acoustical	095113	Fire protection system	
Walls:		<u>HVAC:</u> Div. 23	
Painted concrete masonry units	042000 / 099123	Supply/return air system	
<u>Loose Furnishings:</u>		Independent temperature control	
L1 Admin workstation		<u>Electrical:</u> Div. 26	
L2 Ergonomic task chair		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 Voice port and phone	
		T2 Data port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<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.

**CONFERENCE ROOM**

**E-AD-3**

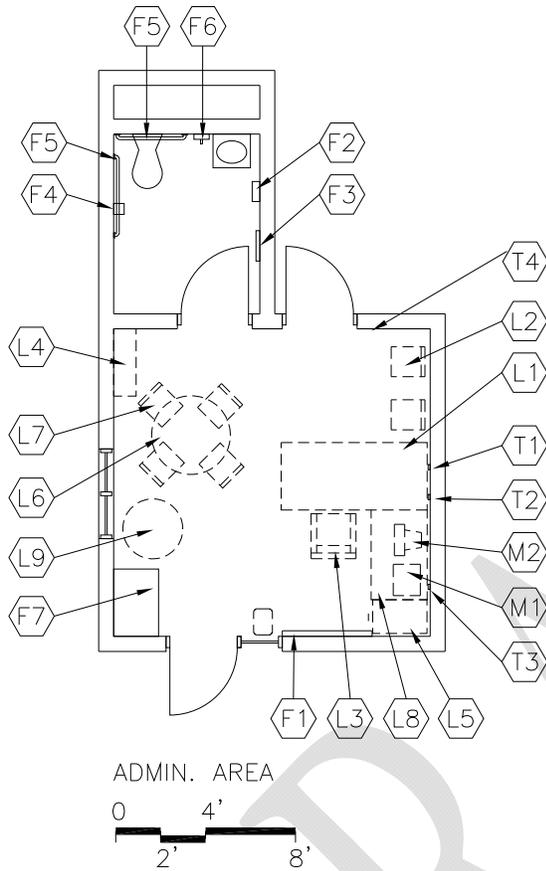
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Marker board (8 LF)	101100
Base:		F2 Casework:	
Resilient base	096519	Base/wall cabinets (6 LF)	123200
Ceiling (8' high minimum):		F3 Manual projection screen	115213
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	
		T3 2 data ports Cable/MATV port	
		<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**



**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

**CAPACITY:**

- Principal

**SIZE:**

- 180 SF

**ANCILLARY SPACES:**

- Conference Room (E-AD-3)

**NOTES:**

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

**PRINCIPAL'S OFFICE**

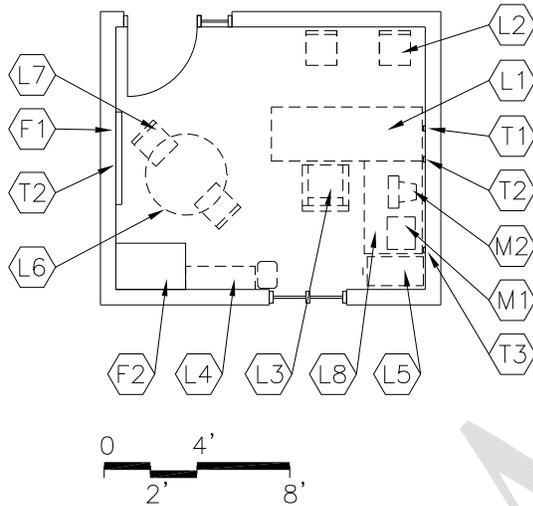
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Tack board (4 LF)	101100
Base:		F2 Towel dispenser	102800
Resilient	096519	F3 24" x 60" mirror	102800
Ceiling (8' high minimum):		F4 Toilet tissue holder	102800
Suspended, 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	
		Cable drop for input/output	
		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.

**ASSISTANT PRINCIPAL'S 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

**ASSISTANT PRINCIPAL'S OFFICE**

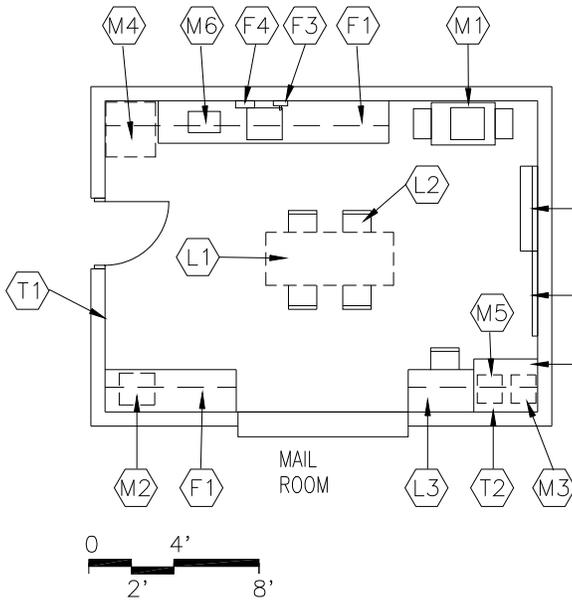
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Tack board (4 LF)	101100
Base:		F2 Casework:	
Resilient base	096519	Wardrobe	103200
Ceiling (8' high minimum):		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	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.

**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.

**ADMINISTRATIVE WORKROOM**

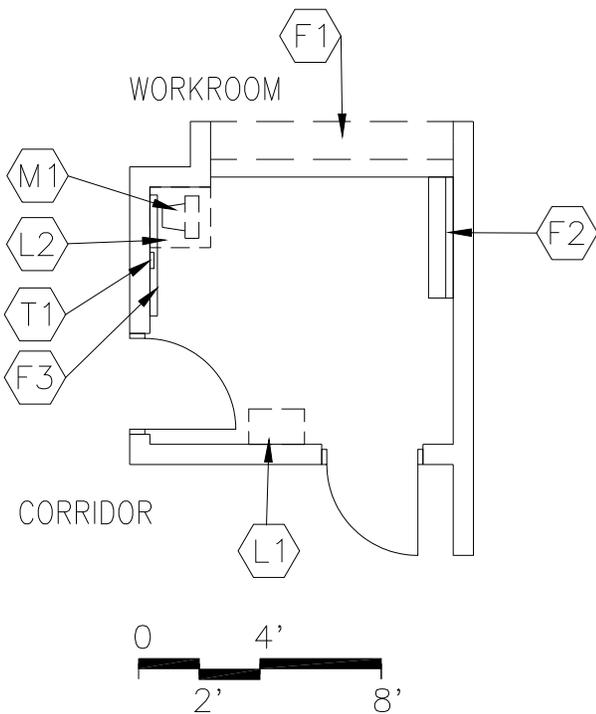
<u>Finishes<sup>1</sup>:</u>	Spec. Ref.#	<u>Features<sup>1</sup>:</u>	Spec. Ref.#
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Casework:	123200
		Base/wall cabinets and shelving	
Base:		F2 Marker board (4 LF)	101100
Resilient base	096519	F3 Soap dispenser	102800
		F4 Towel dispenser	102800
Ceiling (8' high minimum):		F5 Tack board (4 LF)	101100
Suspended, acoustical	095113		
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted gypsum wallboard over metal studs	092116 / 099123	Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing: (optional)</u>	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
		Supply/return air system	
		Independent temperature control	
<u>Miscellaneous:</u>		<u>Electrical:</u>	Div. 26
M1 Copier		Duplex receptacles	
M2 Paper cutter		Raceway above countertop	
M3 Laminating machine		TVSS protected quad receptacle adjacent to each data port	
M4 Refrigerator with ice maker		Single-level switching	
M5 Color printer		Fluorescent lighting	
M6 Microwave		Illumination level: See Table 7600-16	
		Dedicated receptacle for copier	
		Clock	
		Central sound system	
		<u>Communications<sup>2</sup>:</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.

**MAILROOM** **E-AD-8**

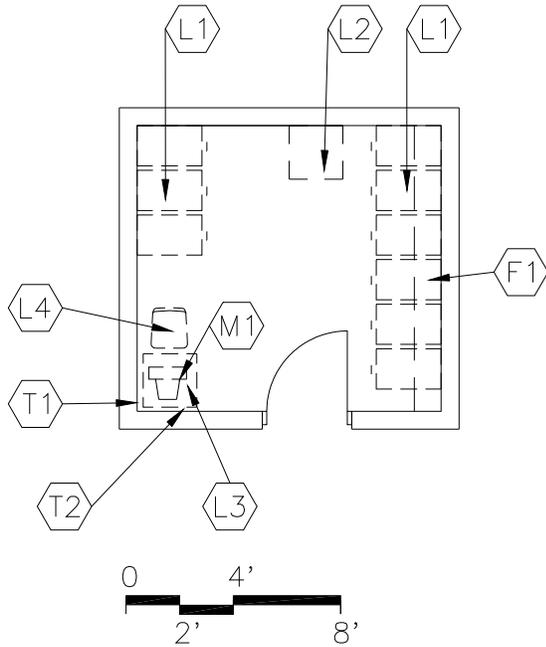
<u>Finishes<sup>1</sup>:</u>	<u>Spec. Ref.#</u>	<u>Features<sup>1</sup>:</u>	<u>Spec. Ref.#</u>
Flooring:		<b>Fixed Equipment:</b>	
Tile carpet	096813	F1 Casework:	123200
		Mail slots	
		12" wide x 6" high x 15" deep	
		(65, 80, 95 total slots) pass-through	
		cabinets below	
Base:		F2 Marker board (4 LF)	101100
Resilient base	096519	F3 Tack board (4 LF)	101100
Ceiling (8' high minimum):			
Suspended, acoustical	095113		
Walls:		<b>Fire Suppression:</b>	Div. 21
Painted gypsum wallboard		Fire suppression system	
over metal studs	092116 / 099123		
<u>Loose Furnishings:</u> (optional)		<b>Plumbing:</b>	
L2 Computer table (standing height)		N/A	
		<b>HVAC:</b>	Div. 23
		Supply/return air system	
		<b>Electrical:</b>	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	
		<b>Communications<sup>2</sup>:</b>	Div. 27
		T1 Data port	
		<b>Electronic Safety and Security:</b>	Div. 28
		Life safety devices per code	
		<b>Miscellaneous:</b>	
		M1 Computer	

**NOTES:**

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

**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.

**RECORDS ROOM**

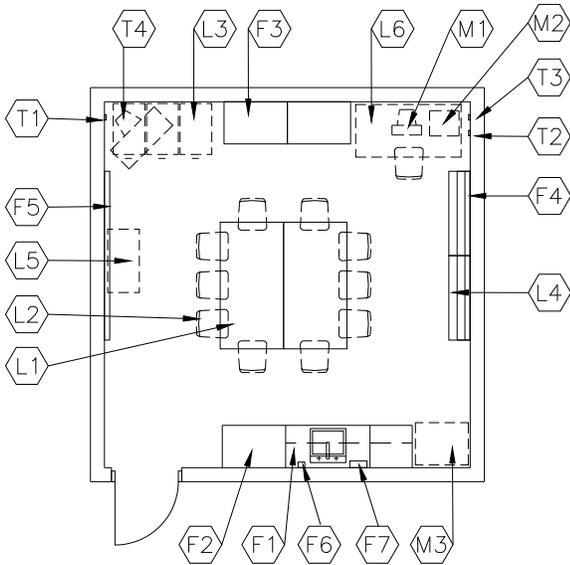
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Casework:	
		Wall shelving	123200
Base:		<u>Fire Suppression:</u>	
Resilient base	096519	Fire suppression system	Div. 21
Ceiling (8' high minimum)		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted concrete masonry units		Exhaust air system	Div. 23
	042000 / 099123	<u>Electrical:</u>	
<u>Loose Furnishings:</u>		Duplex receptacles	Div. 26
L1 8-10, four-drawer file cabinets (fireproof)		TVSS protected quad receptacle	
L2 Small safe		adjacent to each data port	
L3 Small table		Single-level switching	
L4 Chair		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		T1 Voice port and phone	Div. 27
		T2 Data port	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		M1 Computer	

NOTES:

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

**PARENT RESOURCE CENTER**

**E-AD-10**



- CAPACITY:**
- Parents
  - PTO/PTA members
  - Volunteers
- SIZE:**
- Varies, see table
- ANCILLARY SPACES:**  
N/A

**GOALS:**

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

**PROGRAM ACTIVITIES:**

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

**SPATIAL RELATIONSHIPS:**

- Near Welcome Center
- Near Lobby Entrance
- Near Public Restrooms

**ENVIRONMENTAL CONSIDERATIONS:**

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

**NOTES:**

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

**PARENT RESOURCE CENTER**

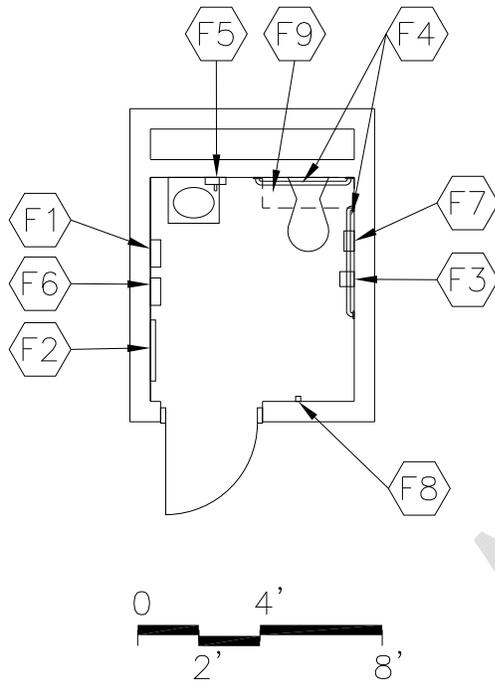
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Casework:	123200
		Base/wall cabinets	
Base:		F2 Casework	
Resilient base	096519	Wardrobe cabinet	123200
Ceiling (8' high minimum):		F3 Casework:	
Suspended, acoustical	095113	Storage cabinets	123200
Walls:		F4 Marker board (8 LF)	101100
Painted concrete masonry units		F5 Tack board (8 LF)	101100
042000 / 099123		F6 Soap dispenser	102800
		F7 Towel dispenser	102800
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
L1 2 tables (36" x 72")		Fire suppression system	
L2 10 chairs		<u>Plumbing:</u> (optional)	Div. 22
L3 Four-drawer file cabinet		Plumbing connections	
L4 Adjustable height bookshelves (20 LF)		Sink, single/deep bowl	
L6 Computer workstation		Hook-up for ice maker	
<u>Miscellaneous:</u>		<u>HVAC:</u>	Div. 23
M1 Computer		Supply/return air system	
M2 Printer		Independent temperature control	
M3 Refrigerator with ice maker		<u>Electrical:</u>	Div. 26
<u>Communications<sup>2</sup>:</u>	Div. 27	Duplex receptacles	
T1 Cable/MATV		TVSS protected quad receptacle adjacent to each data and video port	
T2 Voice port and phone		Multilevel switching	
T3 Data port		Fluorescent lighting	
T4 Video port, monitor, VCR/DVD, and bracket		Illumination level: See Table 7600-16	
<u>Electronic Safety and Security:</u>	Div. 28	Clock	
Life safety devices per code		Central sound system	

NOTES:

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

**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.

**STAFF TOILET**

**E-AD-11**

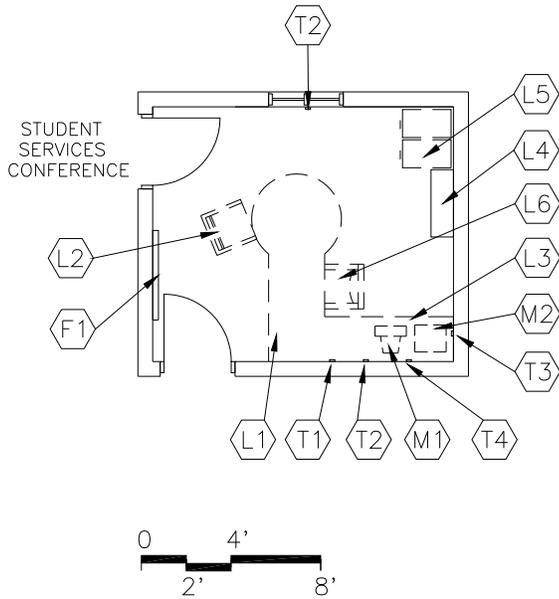
	Spec. Ref.#		Spec. Ref.#
<u>Finishes</u> <sup>1</sup> :		<u>Features</u> <sup>1</sup> :	
Flooring:		Fixed Equipment:	
Ceramic tile	093000	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue holder	102800
Ceramic mosaic tile base	093013	F4 36" and 42" grab bars	102800
Resilient	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.

**COUNSELOR'S OFFICE**

**E-AD-12**



**CAPACITY:**

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

**SIZE:**

- 150 SF

**ANCILLARY SPACES:**

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

**GOAL:**

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

**PROGRAM ACTIVITIES:**

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

**SPATIAL RELATIONSHIPS:**

- Near Student Services Conference Room
- Near Welcome Center
- Adjacent and access to Student Services Conference Room

**ENVIRONMENTAL CONSIDERATIONS:**

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

**NOTES:**

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

**COUNSELOR'S OFFICE**

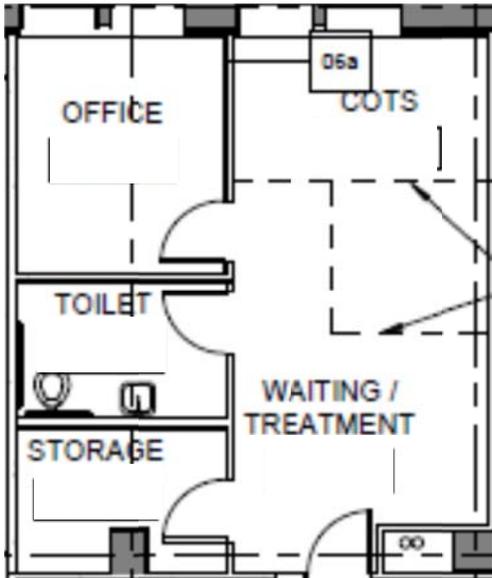
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Tile carpet	096813	F1 Tack board (4 LF)	101100
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling (8' high minimum):		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted gypsum wallboard over metal studs	092116 / 099123	Supply/return air system Independent temperature control	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Admin workstation		Duplex receptacles	
L2 Visitor chair		TVSS protected quad receptacle adjacent to each data and video port	
L3 Computer desk return		Single-level switching	
L4 Adjustable height bookshelves (12 LF)		Fluorescent lighting	
L5 2, four-drawer file cabinets		Illumination level: See Table 7600-16	
L6 Ergonomic task chair		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Voice port and phone	
		T2 2 data ports	
		T3 Data port for printer	
		T4 Cable/MATV port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Computer	
		M2 Printer	

NOTES:

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

**WAITING/TREATMENT AREA (HEALTH SUITE)**

**E-AD-16**



**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:**

- 150 SF

**ANCILLARY SPACES:**

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

**NOTES:**

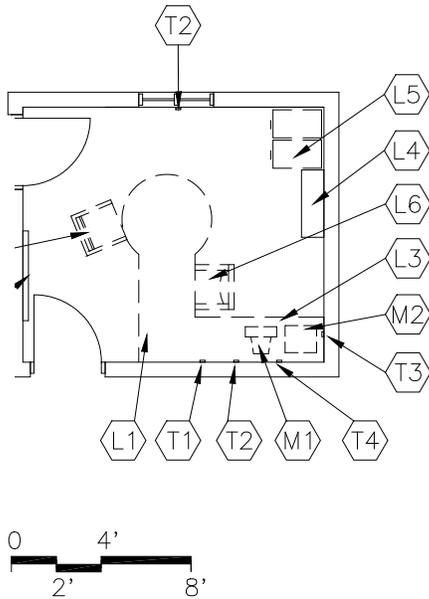
1. Loose furnishings and features shown represent one of many possible arrangements.

**WAITING/TREATMENT AREA**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Casework:	
		Base/wall cabinets	123200
Base:		Place for refrigerator	
Resilient base	096519	F2 Casework:	
		Tall storage	123200
Ceiling (8' high minimum):		F3 Cubicle curtain	102123
Suspended, acoustical	095113	F4 Soap dispenser	102800
		F5 Towel dispenser	102800
Walls:		Tackboard	
Painted gypsum wallboard			
over metal studs	092116 / 099123	<u>Fire Suppression:</u>	Div. 21
		Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u> Div. 22	
2-3 Chairs		Plumbing connections	
Side table		Single sink w/hands-free gooseneck	
Mobile exam table			
Stool		<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>	Div. 27
		T1 Voice port and phone	
		T2 Data port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

**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:**

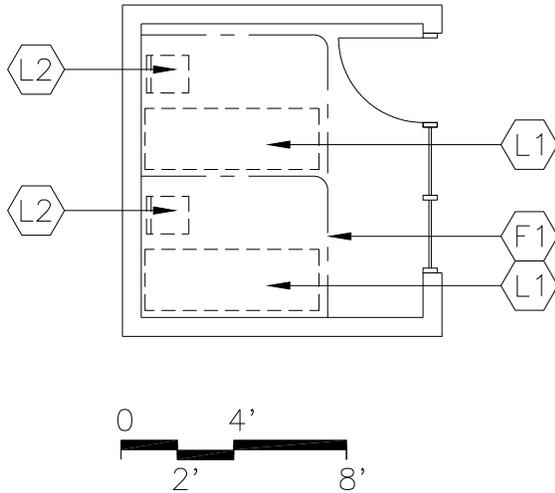
1. Loose furnishings and features shown represent one of many possible arrangements.

**OFFICE AREA**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes</u> <sup>1</sup> :		<u>Features</u> <sup>1</sup> :	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Tack board (4 LF)	101100
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling (8' high minimum):		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted gypsum wallboard over metal studs	092116 / 099123	Supply/return air system	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Admin workstation		Duplex receptacles	
L2 Ergonomic chair		2 outlets per wall, minimum	
L3 1-2 visitor chairs		TVSS protected quad receptacle	
File cabinet		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 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>	Div. 28
		Life safety devices per code	

NOTES:

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



**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:**

- 100 SF

**ANCILLARY SPACES:**

N/A

**NOTES:**

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

**COTS**

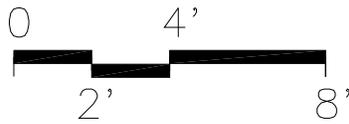
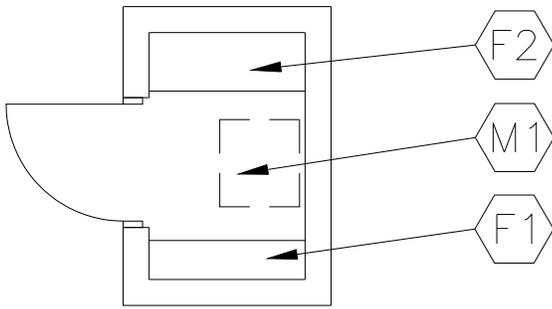
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1    Cubicle curtains	102123
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling (8' high minimum):		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted gypsum wallboard over metal studs	092116 / 099123	Supply/return air system	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 2 cots		Duplex receptacles	
L2 2 chairs		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>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

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

**STORAGE**

**Health Suite**



**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.

**STORAGE**

**Health Suite**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes</u> <sup>1</sup> :		<u>Features</u> <sup>1</sup> :	
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		Fire protection system	
	042000 / 099123	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	

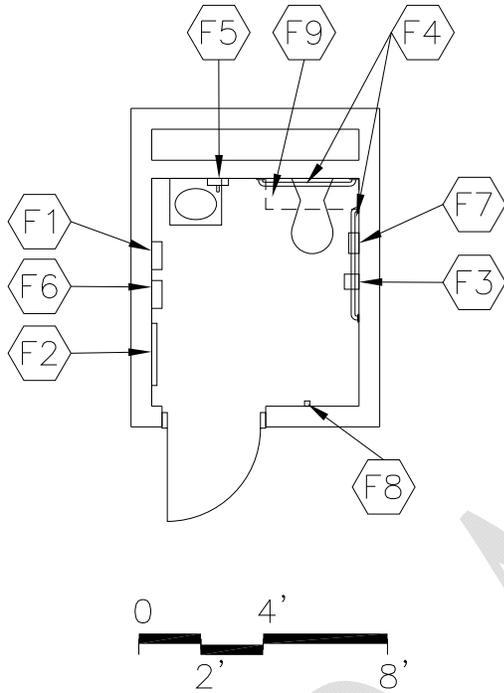
NOTES:

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

**TOILET**

**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.

**TOILET**

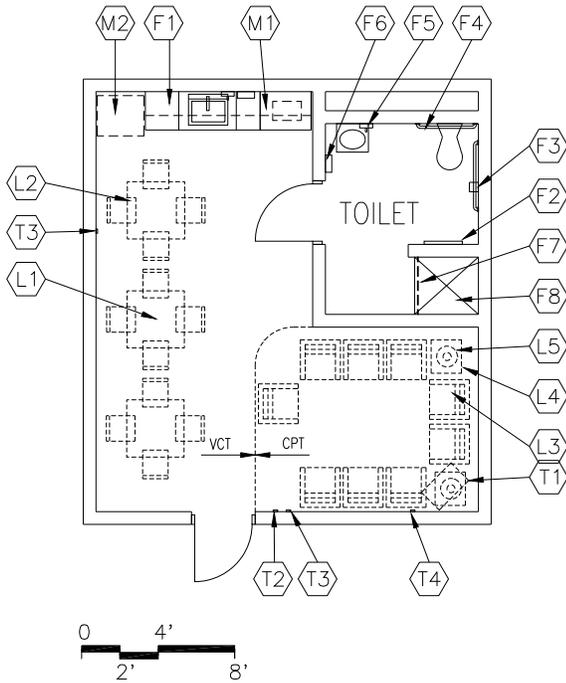
	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</u>	
Flooring:		Fixed Equipment:	
Ceramic tile	093000	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
		F3 Toilet tissue holder	102800
Base:		F4 36" and 42" grab bars	102800
Ceramic mosaic tile base	093013	F5 Soap 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:			
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	
		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.

**STAFF LOUNGE****Administrative Support**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes<sup>1</sup>:</u>		<u>Features<sup>1</sup>:</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:

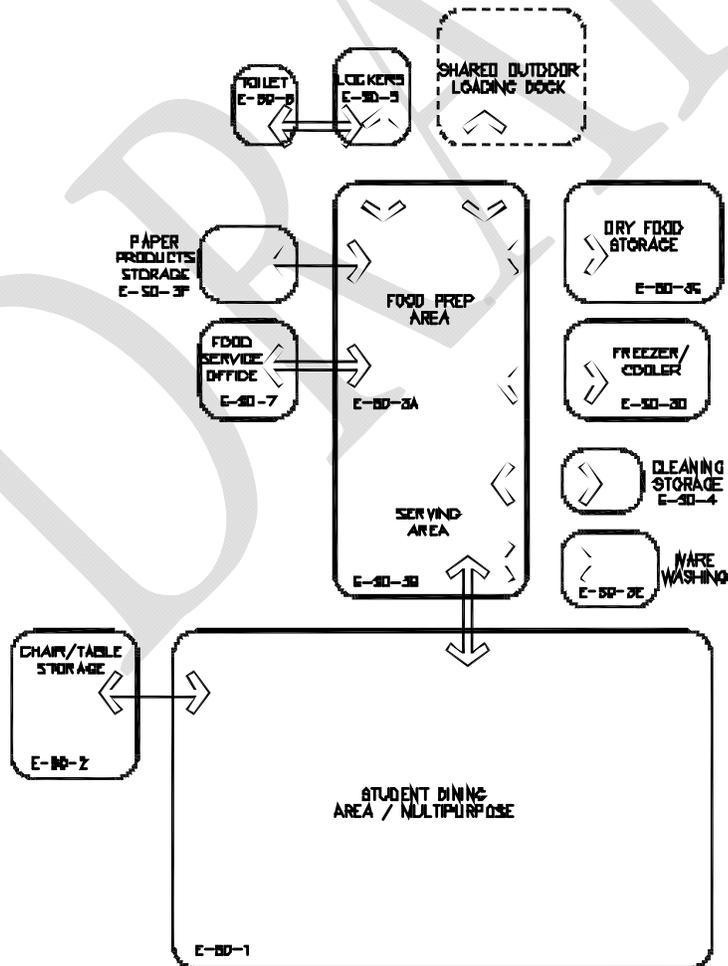
Finishes/Features: Refer to Chapter 8 for specification references.

**APPENDIX (For planning purposes only)**

**Dinning and Food Services**

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Student Dining Area	1	2,750	2,750	
Chair and Table Storage	1	200	200	
Food Prep	1	400	400	
Servery	1	300	300	
Dry Storage	1	150	150	
Freezer & Cooler	1	150	150	
Ware washing	1	75	75	
Toilet/Lockers	1	75	75	
Cleaning Storage	1	50	50	
Food Service Office	1	100	100	
<b>Total:</b>			<b>4250</b>	

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



**Physical Education and Assembly**

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Assembly/PE space	1	3,400	3,400	
Storage	3	200	600	PE/chair/DPR
DPR Office	1	150	150	
Stage	1	700	700	
			4,850	

**Alternative to separate dining and PE****Physical Education and Assembly**

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Combined Dining and PE	1	6,500	6,500	Movable wall opens to full court
Storage	3	varies	800	
Kitchen	1	1,500	1,500	
Stage	1	800	800	
Recreation Center locker area	2	300	600	No showers
Recreation Center Office/first aide center	1	200	200	
			10,200	

Add: Game room  
 Craft room  
 Meeting room

**ENGINEERING AND CUSTODIAN**

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Supply Storage / Receiving	1	350	350	
Toilet/Shower	1	100	100	
Custodial/Engineer Office	1	150	150	
<b>Total</b>			<b>600</b>	

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

**Summary of Building Services assumptions**

Space	Qty	SF	Area
Large Group Restrooms	-	1,672	1,672
Custodial Closet	4	30	120
Electrical Closet	4	30	120
Technology Closet	3	50	150
Corridors	-	11,800	11,800
Mechanical/Electrical Rooms/Decks	-	3,296	3,296
Outdoor Storage Area	1	200	200
Central Storage Area	1	200	200
<b>Building Services Total</b>			<b>17,559</b>

