

**Educational Specifications for
Murch Elementary School Addition and Modernization
730 capacity**

June 2015
Draft 4

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

Introduction

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

Scope

This project is a modernization of the existing school and an addition to increase the capacity to **730**. Funding is spread over the 2015, 2016 and 2017 fiscal years. The phasing of the construction will be determined during the design process.

The existing school is 47,700 square feet. The completed project will be approximately **108,500** square feet and serve **730** students

- Four Pre-K classes and five classes per grade (K-5)
- Resource rooms and office areas (art, music, world geography/language)
- Media Center/computer lab
- Dining facility/kitchen
- Physical education
- Administration and teacher workrooms
- Science Area
- Playground and Athletic Space

Site work will be directed at parking and circulation management.

Background and Community

At the time of this draft, the Murch School Improvement Team has been active for more than a year. They submitted a letter that is part of the official record. Excerpts of this letter have been included in this draft and is noted by italics. Modifications to the original text were made in July by the authors to reflect subsequent information about the project.

- *Our official building capacity is 477 students, including our main building, built in 1929, and a “temporary” structure erected in 1988.*
- *Our school property is one city block but our buildable area is less than half that.*
- *The main two-story building consists of two wings connected by a hallway (historically the main entrance). A multi-purpose room is located between the wings, facing the playground.*
- *We feel that this footprint could be made much more efficient with carefully considered additions and modifications (discussed below).*
- *Part of our property is owned by the National Park Service, which has placed building restrictions on a portion of our land, notably part of the playground and the land on which our temporary building known as the “Kaufman Wing,” sits. (See Historical Considerations below.)*
Although Murch does not have official historic designation per se, the building has been deemed historically significant and we would like to ensure that changes, upgrades, or additions are sympathetic and complementary.
- *We currently house 13 classrooms, or one third of our teaching space, in trailers (demountables). The largest of these trailers (Kaufman) has been operating in its*

current condition since 1988 and houses five classrooms. Other trailers hold the whole 5th grade, music, art, and a number of supplemental staff and most perform some storage function as well. Most of these structures lack running water. Several lack covered walkways. Our projected growth will necessitate even more demountables for SY 2014-15.

- Our playground and outdoor space provide the backbone of our school day and are anchors for the community on the week-ends. We place tremendous priority on maintaining the maximum amount of outdoor space possible, as well as its existing features: soccer field, playground equipment, kickball/four square, basketball (perhaps not full court?), "wall ball", garden area, and running/"Hill" space.

Historical considerations

The cupola is Murch's iconic symbol and is part of the skyline of the neighborhood. We would also like to preserve, where reasonable and appropriate, other historic building elements such as interior woodwork, flag hall, inscribed bricks from our courtyard, antique sundial, etc.

- As our physical address (4810 36th St NW), indicates, Murch's front entry was originally located on the east side of the building, where there is still a courtyard and arched colonnade. However, for many years, the main entry has been a nondescript "rear" (west side) door via the playground. This has, in fact, become the natural entry location, and we encourage the designers to create a welcoming main entrance on this rear/playground side of the school.
- A portion of our property, on the north side bordering Ellicott Street and Reno Road, is under the jurisdiction of the National Park Service. Any constraints and limitations that would affect the overall renovation should be clarified before the RFP phase so as not to interfere with or delay the project.

Basement

A new, streamlined, efficient HVAC system will free up significant square footage in the basement. This space, which has high ceilings, is currently underutilized for storage and engineering. There are many possible uses for this space, including efficient storage, service entry, and underground parking. With new reflector systems and smart design, the area could even be transformed into decent classroom or general space, especially given the grade. We see this as an excellent opportunity to look at the Shepherd Elementary model to maximize the whole footprint of the building space, including under the U-shaped wings, as opposed to compromising playground or outdoor space.

Enrollment and Classroom Requirements

In 2013-14 the enrollment was as follows:

	Current Capacity	PREK	Kind	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Total
	477	59	101	106	89	95	91	85	626

- *We are the neighborhood school for numerous apartment buildings on Connecticut Avenue. Our numbers will only grow with a new 233-unit building under construction at Military Road and another in Van Ness that is expected to have 271 units and be completed by winter of 2016. We also have the largest embassy population within Northwest DC.*
- *More to the point, our population will not age in place as neighborhoods of single family homes do. Currently, many families rent in our neighborhood for the main purpose of attending our school and being in the Deal/Wilson feeder pattern, then leave making room for new families; embassy populations rotate.*

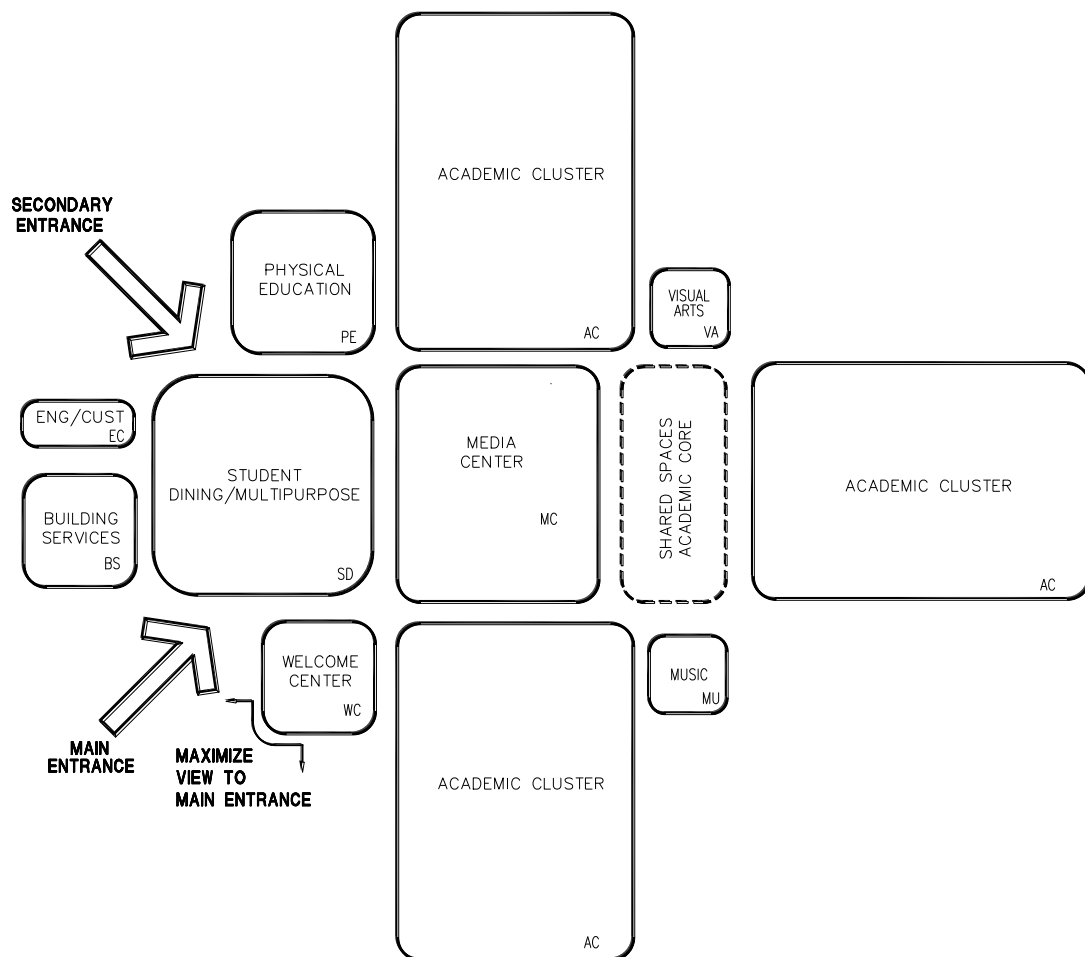
Overview of Planning Concepts

Academic Cluster Concept

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

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

Diagram Intro A



Core Instructional Spaces

Murch is consistently ranked as one of the highest performing public elementary schools within DCPS. We believe our success is based on our ability to provide a solid foundation for both in-boundary and out-of-boundary students within our pre-K and K programs and our ability to educate those students successfully in a consistent manner thru 5th grade.

- *We use an integrated learning structure based on responsive classroom techniques with primary grades residing primarily in their classrooms and departmentalized upper grades rotating classes based on common core subject matters.*
- *Classrooms should be organized by grade levels to enhance both student interactions across the grade (as opposed to just within classrooms) as well as facilitate co-teaching and grade-level support within the faculty and staff.*
- *We also need flexible groupings of classrooms.*
- *We would like to consider flexible furniture selections that allow for student movement and repositioning (such as one might find with a drafting desk).*
- *As a Responsive Classroom school, we need a space where we can hold all-school morning meetings and other events.*

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.

Murch currently has one autism classroom. Long range plans call for a three classroom cluster PK – 5. The early childhood room(s) will need to be on a ground floor and all classroom should be with their same age peers.

- *Access to the grounds and gardens, outdoor sensory, therapeutic, and quiet areas, should be incorporated into the design.*

Early Childhood Programs

It is the DCPS policy to offer Prekindergarten programs (4 yr. olds) and strongly encourage all DC students to attend. All early childhood classes will allow for inclusion of students with special needs. These classrooms should be on the ground floor near an early childhood play area. This program also calls for an early childhood dining commons separate from the rest of the school. If feasible this area should be near the early childhood and kindergarten rooms as well as near the kitchen for delivery of meals.

Instructional Methods

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

- Integrated learning, where content areas cross disciplines
- Flexible groupings: In primary grades, regrouping stays within the classroom.
- Mentoring of older to younger students
- Parent involvement and volunteer activities

“Welcome Area”/Administration/Student Services

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

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

Media Center

The library is the heart of the school and it should continue to be a special place for reading, storytelling, and sharing. It should be well organized for multiple activities and at least two classes at a time.

The media center serves a dual role – its traditional role as a gathering place for research and learning and a new role as a technological information base. In its 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.

- *There should be areas within the library able to accommodate small groups (with doors that close), break-out study spaces/nooks, and “hoteling” stations to plug & play.*
- *We will also need to be able to accommodate the required grade-wide DCPS electronic testing.*

Visual Arts, Performing Arts and Science

The art, music, and multi-purpose classrooms will be shared by all grade levels for general class and small group instruction. The location and access to these rooms should promote orderly transitions. As a school of 800, there will be more than one teacher for art and music but less than two. A space for a third staff person to teach early childhood art, music and movement will be operating out of/near the early childhood commons and will need an office and storage area.

If possible, the music suite will be located near the performance area. The art classroom may be in the academic areas preferably with an optimal daylighting orientation.

Science

- *Flexibility is key. Instead of a dedicated science lab with stationary equipment that quickly becomes obsolete, we need a flexible space for storage and teaching that is easily accessible. The investment should be in turnkey tools such as science carts, FOSS materials, mobile wet labs, etc. We will need a place for safe chemical disposal.*
- *We will need to make sure that there is adequate storage in the room, especially for larger objects such as microscopes, stream tables, rocks and mineral kits, and horticultural items.*
- *Consideration could be given to locating this science-centered room connected to (or near) a greenhouse and outdoor learning area. (Note: Greenhouse TBD)*

World culture/geography

- *To fulfill the new foreign language requirement, we require a tech-based classroom where students can digitally access resources on world cultures, geographical features, food, customs, etc. This space should be an experiential learning environment where students can learn in an applied manner by doing and constructing. The room should have adequate and multi-functional wall space for maps and other visual materials.*

Physical Education

To support the elementary school physical education program, a variety of indoor and outdoor areas are required. Outdoor physical education teaching areas will be located near the indoor gymnasium. 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. As a school of 800, more than one teachers for P.E. will be needed. Therefore, the P.E. office will need to accommodate two staff and there will need to be sufficient storage for the equipment necessary to support at least two simultaneous PE classes. In addition, the Healthy Schools Act requires health education; this would necessitate a health classroom near the gymnasium.

Murch is the reigning city champion in both boys and girls basketball, as well as in cross-country and track. We have a very active student body, supportive parents, and an emphasis on physical activity.

An outdoor amphitheater currently exists on the playground but is poorly placed and is not needed as it is very small and underutilized. It was added as an "improvement" in the 1970s and is not well designed and uncomfortable for teaching and sitting. If given a choice, additional outdoor space for playground, grass, and sports would be preferred.

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 physical education and performance areas will need to be secured from the rest of the building for nighttime access. The architect will note both active and passive security measures, taking into account that restrooms will need to be accessible within the secured area.

Cafeteria

This area will be used for student dining, performances, assemblies, and community meetings. It is proposed through creative design that this area will effectively house multiple functions.

Murch's multipurpose room (MPR) is truly that -- a gymnasium, auditorium (although lacking seating), performance space with stage, and even a polling location on election days. The school sponsors a minimum of 10 school-wide events per calendar year, including a school play, a talent show, on-site "field trips," picture days, book fairs, art shows and a science fair -- all which leave the school without a gym (and hence PE, for those days). However, attempts to "flip" the space during the day and use it as a cafeteria have been logistically problematic [] and our current MPR is too small to accommodate school-wide events such as an all-grades morning meeting, which is an important part of the Responsive Classroom program.

The space should be designed with flexibility in mind and include a stage. One thought, if feasible, would be to position the stage between the dining area and the gymnasium with access to both spaces (moveable wall). This would allow for performances that require the finer acoustics of the dining space but would also accommodate the increased seating capacity of the gymnasium when a larger audience is expected. However, not at the expense of reducing the size of the bluetop playground.

We feel strongly that this space should include ample natural light. This could be accomplished by enclosing the underutilized courtyard (the original front entry/courtyard facing 36th Street NW) with a glass canopy, as was done at Wilson High School. However, further research is needed to understand how much latitude we have with altering the facade.

Kitchen

- *The space should have access to a fully operational and equipped commercial kitchen – for cooking, not just reheating.*
- *The kitchen should be equipped to allow for the preparation of international cuisine and to permit our lunch program to offer healthy, freshly prepared food choices – hot/cold entrees, vegetarian, gluten free, a salad bar, etc.*

Furniture & Equipment

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

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

Technology

The facility will contain the latest in technology and be wired for voice, data, and video throughout the building. The program design is intended to bring information to the desk of the

student, and computer technology will be distributed in every classroom. It is intended that access to technology will be seamless and pervasive throughout the building.

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

Handicapped Accessibility

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

Site

The site circulation will be organized for safety and efficiency. This will be accomplished through careful separation of vehicular and pedestrian traffic. Sufficient stacking space will be provided to prevent congestion of busy streets.

All play areas will be protected from vehicular and pedestrian traffic, so students can be assured of a safe and secure environment on the entire school site.

Security and safety/Parking and traffic

Murch occupies an entire city block, bounded by three residential streets and Reno Road. Connecticut Avenue, as well as a fire station and four schools within a half mile radius. This proximity creates several safety and security concerns, particularly during rush hour and school drop off/pick up times. Careful attention needs to be given to assuring adequate staff, visitor, and parent parking, and safe and functional drop-off zones.

It should be noted that Murch is, for most of its student population, the epitome of a walkable neighborhood school. Murch has a dedicated Student Safety Patrol and has been a recipient of the James L. Oberstar Safe Routes to School Award. Our community has been very active in trying to ensure the safety of students as they arrive and depart the chaotic traffic zone around our school.

That being said, our location makes it extremely unsafe for those that drive and the students that bus. With a school of 800 kids, both the number of walkers and the number of drivers will be increasing by approximately 170+ kids, one of our top goals for the modernization is to work with DDOT and DGS to make these traffic choke-points safe for pedestrians and drivers alike while minimizing the effects of traffic upon neighboring homes on Davenport and Ellicott Streets as much as possible. All options should be considered, including one way vehicular traffic, better traffic management closer to Deal, and traffic calming features such as speed humps.

- **Security**
 - *Our classrooms will need locking doors and safe areas and associated security features.*

- **Traffic and service/drop off/pick up zones**

- We currently have drop-off zones on two sides of the building (Davenport and Ellicott streets.), which we expect will continue to be required or otherwise reorganized to handle the volume of cars and neighborhood parking. Both of these areas are extremely congested, particularly during morning drop off.
- Compounding traffic congestion is Murch's proximity to several nearby schools. These include: two private pre-schools and Murch's extended-day program directly across the street; a high-volume middle school (Alice Deal) at the end of the block; and the city's largest public high school (Wilson) two blocks away. Ideally, drop off zones should be created with dedicated pull-off space, along with a separate, dedicated service drive/entrance.
- A separate delivery entrance and trash/recycling area is required; currently the trucks enter our playground space for delivery and removal, which is highly unsafe and unsightly for the neighbors.
- The trash/recycling area should be screened from public view, large enough to accommodate an expanding recycling program, and be able to be easily kept clean.
- Murch is one of DGS's sites for school-wide composting and those pick-up bins will need to be incorporated (the compostable material is picked up in a special garbage truck and taken off site). That should be a part of the planning for the cafeteria as well.

- **Parking**

- Our current facility has limited access to on-street parking and is approximately 0.7 miles from the closest metro station (Tenleytown/AU).
- Adequate parking consistent with safety requirements and union contracts will need to be provided. For SY 2014-215, we will have 90+ staff members plus the need for handicapped and visitor parking. The physical properties of the site, including a significant grade differential along Davenport and 36th streets, may be ideally suitable for underground (or partially underground) parking. This option should be fully explored to maximize the development potential of the site.

Outdoor learning, playing, and garden space

Murch was the school that developed and implemented the current playground structure used by DCPS. The expansive playground space, including the soccer field and bleachers, our garden spaces, "the Hill," the "boats" (the wooden platforms that provide seating areas and protection for trees), outdoor classroom space, the basketball area (although perhaps differently configured), blue top, the peace pole/labyrinth area, and the two play areas (one for older kids and the separately located pre-K area), are extremely important to Murch. This welcoming outdoor space serves as a kind of town square and is a defining feature of not only the dynamic, engaged Murch community, but the entire neighborhood.

Over the last 30 years, the Murch HSA and friends in the community have made significant commitments in form, function, and financing toward the development of the grounds. We cannot stress enough the importance of our playground, physical space, and green space to our school. We look forward to seeing options that are commensurate with its place and value in our community.

- **Play space**

- Murch's playground was overhauled in 2008 and includes three distinct play

areas (pre-k & K; grades 1-3, and grades 4-5) with age-appropriate play equipment and site furnishings, a grass field, and an artificial turf soccer field. A chronic erosion problem has damaged the turf field. As noted earlier, the elements of this space are extremely important to us.

- Kids, families, and recreation groups from all over the city use our playground, formally and informally, seven days a week. Stoddert Soccer and Hoop Ed hold programs and games here. Our students (including the after-school program) use each and every corner of the existing space. To support the elementary physical education program, a variety of indoor and outdoor areas are required, including those specifically designed to address the unique needs of the special needs and autistic program.

- **Gardens**

- Student gardens were developed immediately after the school was built in 1929, including vegetables, flowers, herbs, and a rock garden. The garden remains an important part of the school today. Murch has won a number of grants and awards for our garden efforts and environmental literacy efforts. The outdoor garden areas and green space are currently used and integrated into academic instruction for all grades and we hope to increase and enhance their use in the future. The gardens are maintained by students and a staff garden coordinator. While we want to maintain our current investment and learning tools, we are also interested in understanding options to expand our opportunities for outdoor education and environmental stewardship, particularly a state of the art outdoor classroom, to which classes can easily transition.
- DGS has designated Murch as a pilot site for its school-wide composting program. The logistics of this program should be incorporated into the cafeteria design and service entry design.
- Gardens, currently located on the hill near Reno Road and along 36th Street, need to be relocated to a protected yet accessible spot on the southern perimeter (for full sun exposure) with access to irrigation and secure storage for equipment. Garden vandalism has been a problem. Volunteers maintain the gardens when school is not in session, so secure access outside of school hours is required.
- The provision of an irrigation system for landscape bed areas, including the butterfly garden which is used by several grades for science education, should be integrated into the landscape and building design.
- Use of green science should be incorporated for demonstration and practical use, including permeable surfaces, rain barrels, green roofs, wind turbines and/or solar pumps.
- The grounds contain almost 200 trees of many varieties; Casey Trees has named Murch one of the greenest sites in DC. Many of the trees are mature and of specimen quality and thus should be preserved. They cannot be replaced by new, baby trees and we will need to ensure that it is understood that "tree penalty" payments will not be accepted.
- A complete tree inventory and site analysis should be completed as soon as possible so that every effort can be made to preserve and protect this valuable resource, which should be incorporated into the design and planning of the renovation.
- Murch is a Certified Wildlife Habitat under the National Wildlife Federation guidelines, and renovation plans should seek to preserve and enhance this designation.

Environmental Performance Criteria

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

Lighting Quality: Improving natural and artificial lighting in classrooms

NOTES	DESIGN PARAMETERS	PARAMETER
1) Controlled Natural Lighting (Glazing)	10 - 12% of floor S.F.	LEED & Green Globe
2) Artificial Light	35-50 Foot-candles	IES

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

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

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

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

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

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

Sustainability: Build for energy efficiency

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

Safety & Security

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

1. Building Layout

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

2. Types of Building Materials

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

3. Uses of Technology

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

4. Vehicular and Pedestrian Traffic

- Separate 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 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 secure 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.

Proposed Capacity (700)

Room Use			
Grade	Number of	Capacity (Program)	Total
	Classrooms		
Pre-K	4	20	80
Kindergarten	5	20	100
1st Grade	5	22	110
2nd Grade	5	22	110
3rd Grade-5 th Grade	12	25	300
Special Needs (autism)	3	10	30
Total	34		730

Building Space Summary

Space Summary	Total
Core Academic/Special Education Areas	42,125
Media Center	5,000
Visual Art and Music and Science	3,100
Physical Education	8,250
Administration	4,240
Student Dining & Food Service	7,300
Maintenance & Custodial Services	1,220
Mechanical, Electrical, Toilets, Custodial Closets	29,503
Total Net	100,738
Construction Factor[.082]	8,260
Total Gross	108,998

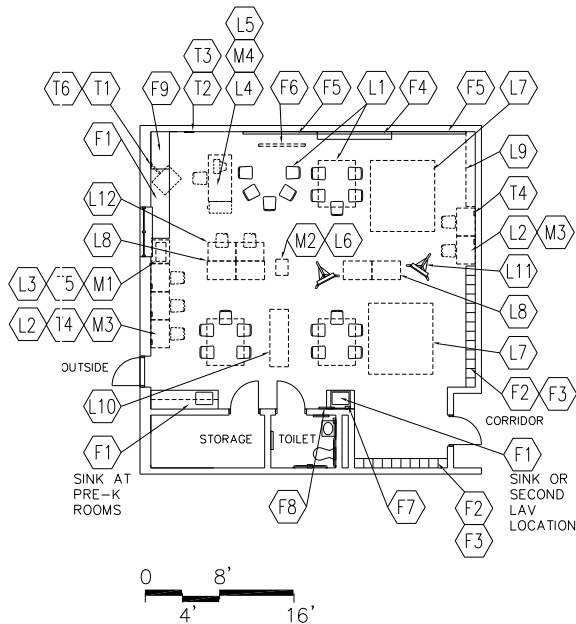
Outdoor Area Requirements Summary

Exterior Spaces
Structured Play Area For Primary/Intermediate Grades
Protected Pre-School Play Area
Outdoor Paved Play Area [reduced size basketball courts, with markings for other games]
Outdoor Classroom (identify possible area for future greenhouse)
Green area for garden/environmental programs
Multi-purpose field
Faculty, Staff, and Visitor Parking (80-90 spaces)

Core Academic Area Space Requirements

Spaces	Suggested			Comments
	Quantity	S.F.*	Total	
Pre-Kindergarten Classroom	4	1,125	4,500	Includes 50 sf toilet and 100 sf storage closet
Kindergarten Classroom	5	1,125	5,625	Includes 50 sf toilet and 100 sf storage closet
Early childhood dining/indoor play commons	1	2,000	2,000	Includes storage for ECE art Storage room for tables
Grade 1 Classroom	5	900	4,500	
Grade 2 Classroom	5	900	4,500	
Grade 3-5 Classroom	12	900	10,800	
Special needs classrooms	3	900	2,700	Autism/with bathrooms
Science and World Culture Studios	2	1,000	2,000	With desk space.
Resource Classroom (Sped)	2	Varies	400	2 resources teachers
Resource Classrooms	8	Varies	2,000	2 Reading, 2 Math and 3 ELL, 1 enrichment
Staff development	1	400	400	
Special education Suite				
• Office	1	150	650	Special Ed Coordinator
• Conference rm.	1	200		
• Office	1	150		Psychologist
• Office and Therapy Space	1	200		Social worker
O/PT	1	250	250	
IT Laptop Storage	2-3	varies	400	At least one per floor
Workroom/Teacher Office	2	200	400	Primary and Intermediate
Book room	1	400	400	
Small Group Space	3	200	600	Speech, Counselor, Leveled Book Room
			42,125	

The architect will be expected to minimize the movement of 'hard' walls and fit the proposed programmed spaces into the existing building. Tolerances of + or – 5-15% are acceptable as is the combination of spaces within a suite. Adjacencies as specified are desirable, but options may be considered and should be reviewed with the planning team.

PRE-K-S / KINDERGARTEN**E-ACA-1A****CAPACITY:**

- Teachers
- 18-24 students (PK/K)
- Parents/other staff

SIZE:

- 1,175 SF

ANCILLARY SPACES:

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

SPATIAL RELATIONSHIPS:

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

GOALS:

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

PROGRAM ACTIVITIES:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

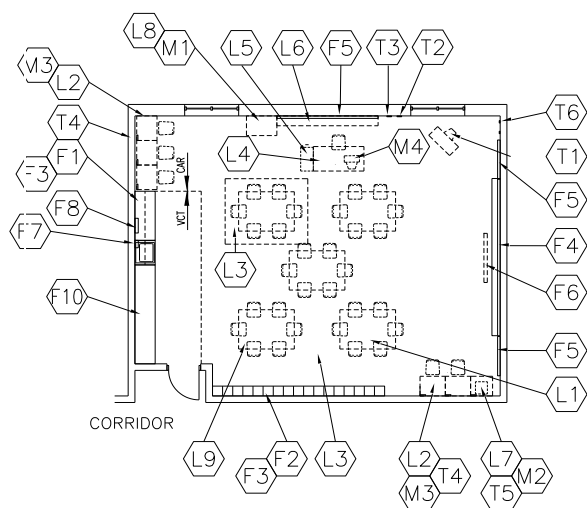
1. Loose furnishings and features shown represent one of many possible arrangements.
2. Locate sink at chase wall of restroom (or in close proximity)
3. Locate restroom chase as close to corridor as possible to minimize pipe runs
4. Where rooms are paired provide two lavatories with joint access (not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

PRE-K - S / KINDERGARTEN**E-ACA-1A**

<u>Finishes¹:</u>		Spec. Ref.#	<u>Features¹:</u>		Spec. Ref.#
Flooring:			Fixed Equipment:		
Rubber tile		096519/096816	F1 Casework:		123200
Base:			Base/wall cabinets by sink		
Resilient base		096519	Sturdy shelving on 3 walls in storage area		
Ceiling (9' high minimum):			F2 Carpentry:		
Suspended, acoustical		095113	Student cubbies (24)		064123
Walls:			F3 Casework:		
Painted concrete masonry units or dry wall		042000/099123	Wall shelving (24 LF- H 30-32")		123200
			F4 Marker board		101100
			16 LF primary		
<u>Loose Furnishings:</u>			F5 Tack board flanking marker boards		
L1 20-24 stackable chairs, 5-6 tables			Plus two (2) parallel rows of continuous tack strips on all available walls (4 LF or longer) at 30" and 48" AFF		
L2 2 computer stations w/ chairs			F6 Manual projection screen		
L4 Teacher work surface w/ mobile storage and 2 chairs			(60"X60")115213 ³		
L5 Four-drawer file cabinet			F7 Soap dispenser		102800
L7 Bound carpet rug (oval), rug for block area, rug for reading area			F8 Towel dispenser		102800
L8 Mobile shelving (various)			F9 Casework: Wardrobe (18"X18")		123200
L9 Bookshelves (open or closed)					
L11 Learning center sets such as sand/water tables, kitchen, child-height dining, dress-up center, art cart, science light board, and blocks.			<u>Fire Suppression:</u>		Div. 21
			Fire suppression system		
<u>Communications:</u>		Div. 27	<u>Plumbing:</u>		Div. 22
Single point 'face plate' near teachers work station to include:			Sink with drinking fountain		
Voice, data, VGA , audio enhancement, and HDMI			Plumbing connections		
Additional ports:			Wall-mounted watercloset		
Printer			Wall-mounted lavatory		
Cable/MATV port			<u>HVAC:</u>		Div. 23
3 data ports for student use			Supply/return air system		
Electronic white board			Independent temperature control		
Clock/PA			Exhaust air system (toilet)		
2 wireless			<u>Electrical:</u>		Div. 26
<u>Miscellaneous:</u>			Duplex receptacles		
M1 Printer			3 per primary teaching wall		
M2 Interactive table (K only) and/or board at child height			At least 2 per other walls		
M3 2 computers for students use			TVSS protected quad receptacle adjacent to each data and video port		
M4 Computer for teachers use			Multilevel switching		
Audio enhancement equipment			Fluorescent lighting		
			Illumination level: See Table 7600-16		

NOTES:

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

GRADES 1-5 CLASSROOM**E-ACA-****SIZE:**

- 850 SF to 950 SF

CAPACITY:

- 22 students (1st – 2nd)
- 25 students (3rd – 5th)
- 1 teacher
- Staff members
- Guest speakers/volunteers

GOAL:

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Near main Corridor
- Near Media Center
- Near Workroom/Teacher Office
- Group classrooms for potential teaming
- Locate cubbies near student work area
- Locate coat cubbies near door

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

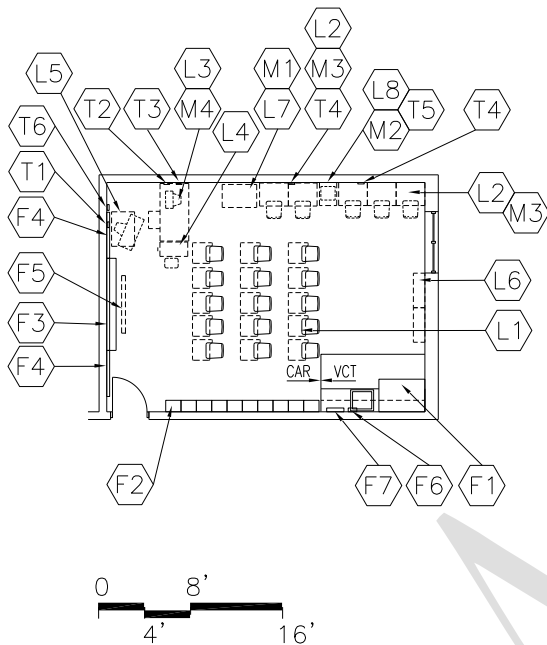
1. Loose furnishings and features shown represent one of many possible arrangements.
2. Storage closets should be combined with adjacent Teacher Office/Workroom
3. Classroom layouts should be opposite hand allowing sinks to be back to back.

GRADES 1-5 CLASSROOM**E-ACA-2**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Rubber tile flooring	096519	F1 Casework:	123200
		Base/wall cabinets by sink	
Base:		Sturdy shelves on 3 walls in storage area	
Resilient base	096519	F2 Carpentry:	
		Student cubbies (28)	064123
Ceiling (9' high minimum):		F3 Casework:	
Suspended, acoustical	095113	Wall shelving (24 LF- H 30-32")	123200
Walls:		F4 Marker board (2 walls)	101100
Painted concrete masonry units	042000/099123	16 LF primary/8 LF secondary	
One tackable wall surface	101100	F5 Tack board flanking marker boards	101100
		Plus two (2) parallel rows of continuous	
		tack strips on all available walls (4 LF or	
		longer) at 30" and 48" AFF	
<u>Loose Furnishings:</u>		F6 Manual projection screen (60"X60")	115213 ²
L1 6 tables or 24 student desks (see Furniture		F7 Soap dispenser	102800
Standards)		F8 Towel dispenser	102800
One kidney/horseshoe table		F9 Casework:	
L2 2 computer workstations and 2 chairs –		Wardrobe (18"X18")	12320
student use (swivel)		Tall storage cabinet (Optional)	
L3 Bound carpet rug (thru Grade 2)			
L4 Teacher workstation with mobile storage			
and 2 chairs			
L5 Four drawer file cabinet or lateral file			
L9 27 student chairs			
		<u>Plumbing:</u> Div. 22	
		Sink with drinking fountain	
		Plumbing connections	
		<u>HVAC:</u> Div. 23	
<u>Communications:</u>	Div. 27	Supply/return air system	
Single point 'face plate' near teachers work		Independent temperature control	
station to include:			
Voice, data, VGA , audio enhancement,			
and HDMI			
Additional ports:		<u>Electrical:</u> Div. 26	
Printer		Duplex receptacles	
Cable/MATV port		3 per primary teaching wall	
3-5 data ports for student use		2 per other walls	
Electronic white board		TVSS protected quad receptacle	
Clock/PA		adjacent to each data and	
2 wireless		video port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
<u>Electronic Safety and Security:</u>	Div. 28		
Life safety devices per code			
		<u>Miscellaneous:</u>	Div. 27
		M1 Interactive board	
		M2 Printer	
		M3 2 computers for student use	
		M4 Computer for teacher use	
		Audio enhancement equipment	

NOTES:

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

RESOURCE CLASSROOM**E-ACA-4****CAPACITY:**

- Up to 15 students
- 2 or more staff members

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOAL:

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

PROGRAM ACTIVITIES:

- Small group work
- Independent instruction and work

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

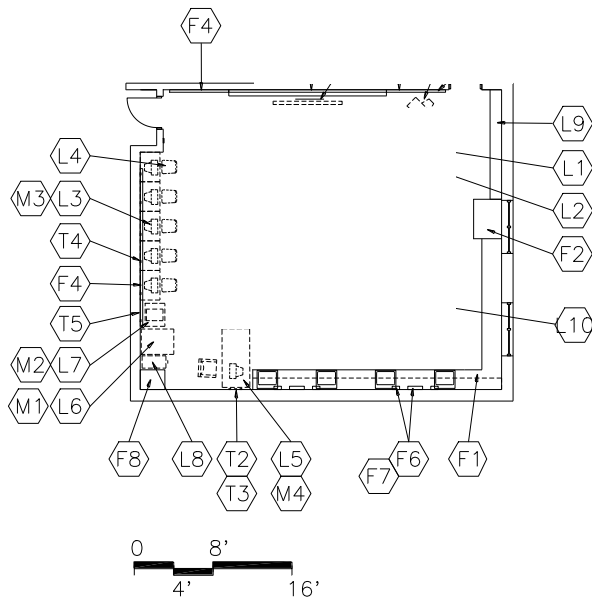
1. Loose furnishings and features shown represent one of many possible arrangements.
2. Orientation of Resource Classroom shall be determined as a result of layout of adjacent classrooms
3. Sink shall be located with close proximity to corridor.

RESOURCE CLASSROOM**E-ACA-4**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
Rubber tile	096519	F1 Casework:	123200
		Base/wall cabinets and shelving	
<u>Base:</u>		F3 Marker board (8 LF)	101100
Resilient base	096519	F4 Tack board (8 LF minimum)	101100
		F5 Manual projection screen	115213
<u>Ceiling (9' high minimum):</u>		F8 Casework:	
Suspended, acoustical	095113	Wardrobe	123200
		Tall cabinet (optional)	
<u>Walls:</u>		<u>Fire Suppression:</u>	Div. 21
Painted concrete masonry units or dry wall		Fire suppression system	
042000/099123			
<u>Loose Furnishings:</u>		<u>Plumbing:</u>	Div. 22
L1 8-12 student desks or 3 student tables		none	
L2 2 computer workstations and chairs			
L3 Teacher workstation and chair		<u>HVAC:</u>	Div. 23
L4 Four-drawer file cabinet or lateral file		Supply/return air system	
L5 Mobile shelving		Independent temperature	
L6 Adjustable height bookshelves (20 LF)		Control	
		<u>Electrical:</u>	Div. 26
<u>Communications:</u>	Div. 27	Duplex receptacles	
Single point 'face plate' near teachers work		3 per primary teaching wall	
station to include:		2 per other walls	
Voice, data, VGA , audio enhancement,		TVSS protected quad receptacle	
and HDMI		adjacent to each data and	
<u>Additional ports:</u>		video port	
Printer		Fluorescent lighting	
Cable/MATV port		Illumination level: See Table 7600-16	
2-3 data ports for student use		Multilevel switching	
Electronic white board		Clock	
Clock/PA		Central sound system	
1 wireless			
<u>Miscellaneous:</u>		<u>Electronic Safety and Security:</u>	Div. 28
M1 Projection device on cart or		Life safety devices per code	
Interactive board	Div. 27		
M2 Printer			
M3 2 computers for student use			
M4 Computer for teacher use			

NOTES:

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

WORLD CULTURE LAB / SCIENCE AREA**E-ACA-14****CAPACITY:**

- 20-27 students
- 1-2 staff

SIZE:

- 1,000 SF

ANCILLARY SPACES:

N/A

GOAL:

- Project based Learning

PROGRAM ACTIVITIES:

- Direct instruction
- Research
- Student and class projects
- Cooperative learning groups
- Student display
- Activities
- Teleconferencing

SPATIAL RELATIONSHIPS:

- Near Academic Core Classrooms
- Near main Corridor
- Near Media Center
- Near Workroom/Teacher Office

ENVIRONMENTAL CONSIDERATIONS:

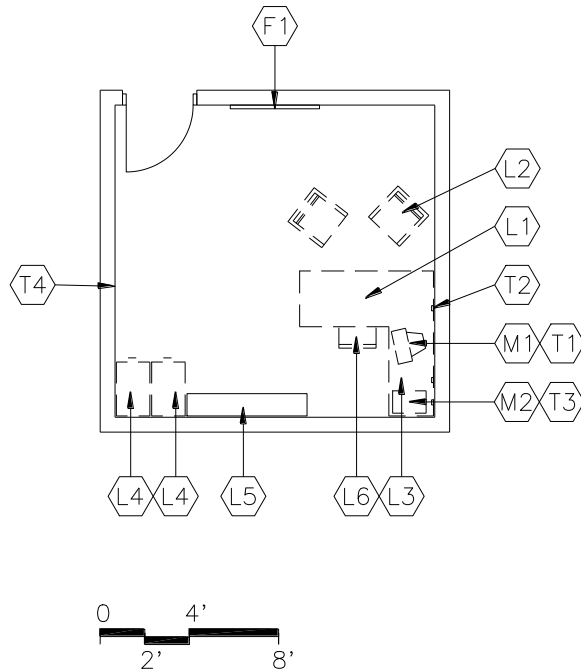
- Uniform lighting
- Windows to provide natural light and egress
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
 - Reverberation Time: .4-.6 seconds
- Window treatment to darken room for AV presentation
- Proportion classroom for effective viewing and listening from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

NOTES:

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

WORLD CULTURE LAB / SCIENCE Area**E-ACA-14**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Quartz tile	096618	F1 Casework:	
		Base/wall cabinets and shelving	123200
Base:		(attention to height constraints)	
Resilient base	096519	F3 Casework:	
		Wall shelving (24 LF- H 30-32")	123200
Ceiling (9' high minimum):		F4 Marker board (2 walls)	101100
Suspended, acoustical	095113	16 LF primary/8 LF secondary	
Walls:		F5 Tack board flanking marker boards	
Painted concrete masonry units or dry wall	042000/ 099123	Plus two (2) parallel rows of continuous	
One tackable wall surface	101100	tack strips on all available walls (4 LF or	
		longer) at 30" and 48" AFF	
		F6 Manual projection screen (60"X60")	115213 ³
<u>Loose Furnishings:</u>		F8 Casework:	
L1 6 tables or 12 2-student desks (see		Wardrobe	123200
Furniture Standards)			
L2 2 computer workstations and 2 chairs –			
student use (swivel)		<u>Fire Suppression:</u>	Div. 21
L4 Teacher workstation with mobile storage		Fire suppression system	
and 2 chairs			
L5 Four drawer file cabinet or lateral file		<u>Plumbing:</u> Div. 22	
L9 27 student chairs		Sinks with solids interceptor	
		Plumbing connections	
		2-4 sinks, single/deep bowl	
<u>Communications:</u>	Div. 27	<u>HVAC:</u> Div. 23	
Single point 'face plate' near teachers work		Supply/return air system	
station to include:		Independent temperature	
Voice, data, VGA , audio enhancement,		control	
and HDMI			
Additional ports:		<u>Electrical:</u> Div. 26	
Printer		Duplex receptacles	
Cable/MATV port		3 per primary teaching wall	
3-5 data ports for student use		At least 2 per other walls	
Electronic white board		Continuous raceway above countertop	
Clock/PA		TVSS protected quad receptacle	
2 wireless		adjacent to each data and	
		video port	
<u>Miscellaneous:</u>		Multilevel switching	
M4 Computer for teacher use		Fluorescent lighting	
Audio enhancement equipment		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

ALL OFFICES**CAPACITY:**

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

SIZE:

- 80-150 SF

GOAL:

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

PROGRAM ACTIVITIES:

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

GOAL:

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIP:

- Within Academic Core areas

ENVIRONMENTAL CONSIDERATIONS:

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

Finishes¹:**Ref.#****Flooring:**

Rubber tile 096516

Base:

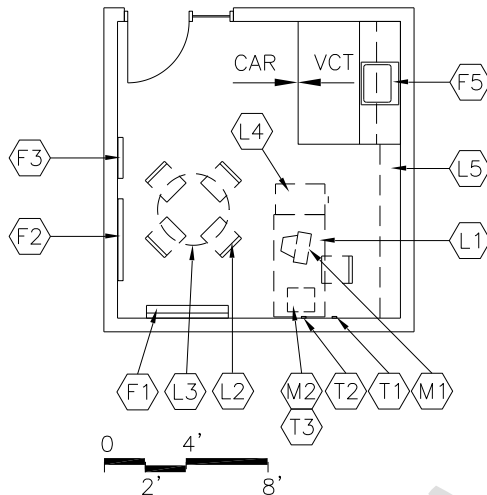
Resilient base 096519

Ceiling:

Suspended, acoustical 095113

Walls:Painted gypsum wallboard
over metal studs 092116/ 099123**Loose Furnishings:**

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

SPEECH ROOM (other small group rooms)**E-ACA-6****CAPACITY:**

- 1-3 students
- 1-2 staff

SIZE:

- 200 SF

GOAL:

- To provide private training for students

PROGRAM ACTIVITIES:

- Group and individual practice
- Student assessment

SPATIAL RELATIONSHIPS:

- Near Academic Core areas
- Near Special Needs Classroom

GOAL:

- To provide private training for students

PROGRAM ACTIVITIES:

- Group and individual practice
- Student assessment

SPATIAL RELATIONSHIPS:

- Near Academic Core areas
- Near Special Needs Classroom

ENVIRONMENTAL CONSIDERATIONS:

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

Finishes¹:

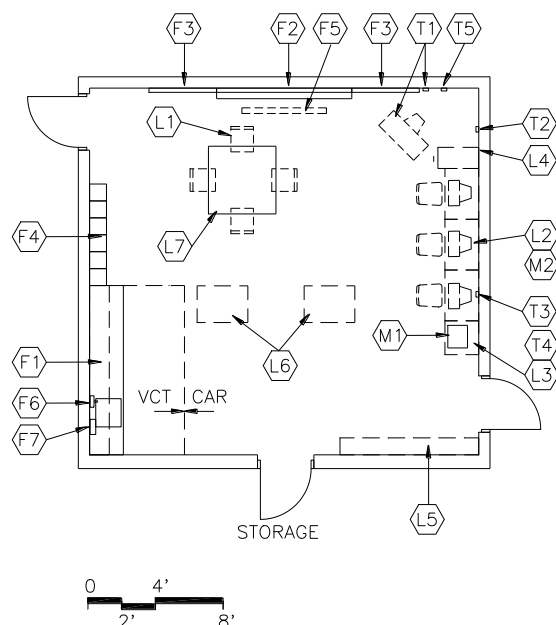
	Ref.#
Flooring: Carpet	096816
Base: Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted gypsum wallboard over metal studs	092116/ 099123

Loose Furnishings:

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

Features¹:

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

OCCUPATIONAL/PHYSICAL**M-AC-13****CAPACITY:**

- Up to 3 students
- Up to 2 staff

ANCILLARY SPACES:

- Speech/Occupational/ Physical Therapy Storage

GOAL:

- To provide private functional mobility training for students

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Near Special Needs Classrooms

Miscellaneous:

- M3 2 computers for student use
- M4 Computer for teacher use

LAYOUT:

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

ENVIRONMENTAL CONSIDERATIONS:

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

Finishes¹:

Flooring: Rubber tile Ref.# 096519

Base: Resilient base 096519

Ceiling (9' high minimum):

Suspended, acoustical
Beam for hanging equipment 095113

Walls:

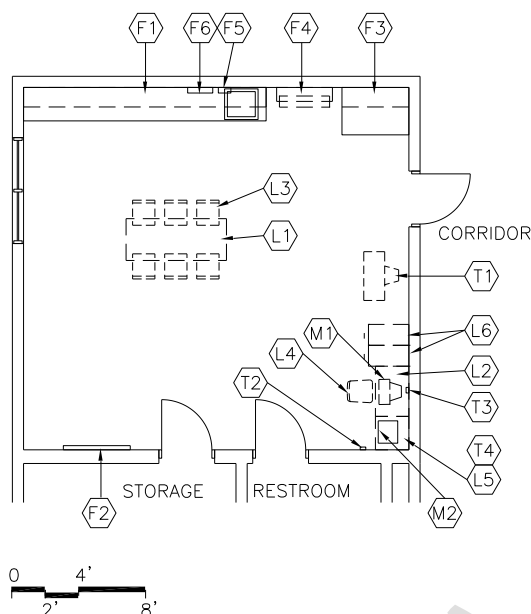
Painted concrete masonry units
042000/099123

Loose Furnishings:

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

Communications:Div. 27

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

TEACHER WORKROOM/Staff Development**E-ACA-12****CAPACITY:**

- Teachers
- Teachers' assistants
- Volunteers

ANCILLARY SPACES:

- Staff Restroom
- Storage

GOALS:

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

PROGRAM ACTIVITIES:

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

Miscellaneous:

- M2 Networked Printer
Copy machine

SPATIAL RELATIONSHIPS:

- Near Academic Core classrooms
- These areas should be divided among the different floor levels with the larger room centrally located
- Access to Staff Restroom(s) from the corridor

ENVIRONMENTAL CONSIDERATIONS:

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

Finishes¹:

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

Loose Furnishings:

L1	Table (2-3 tables in larger room)
L2	Computer workstation furniture
L3	6-20 task chairs
L5	Printer table

Communications:

	Div. 27
T1	Conference room technology in larger room
T2	Voice port and phone
T3	Wireless port
T4	Data port at printer

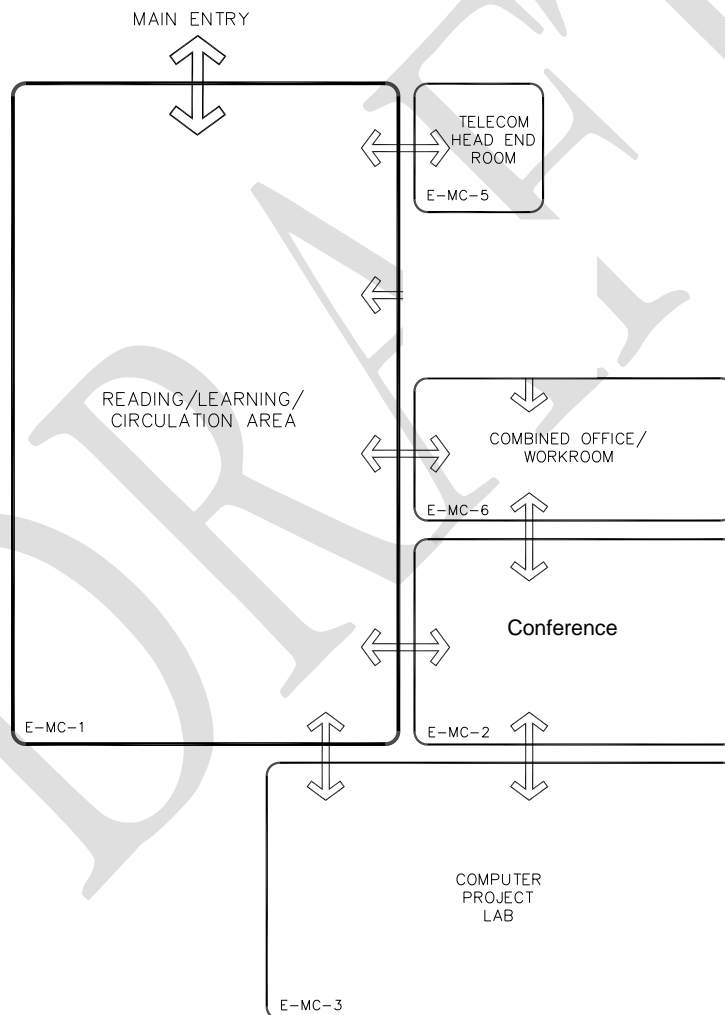
Features¹:**Fixed Equipment:**

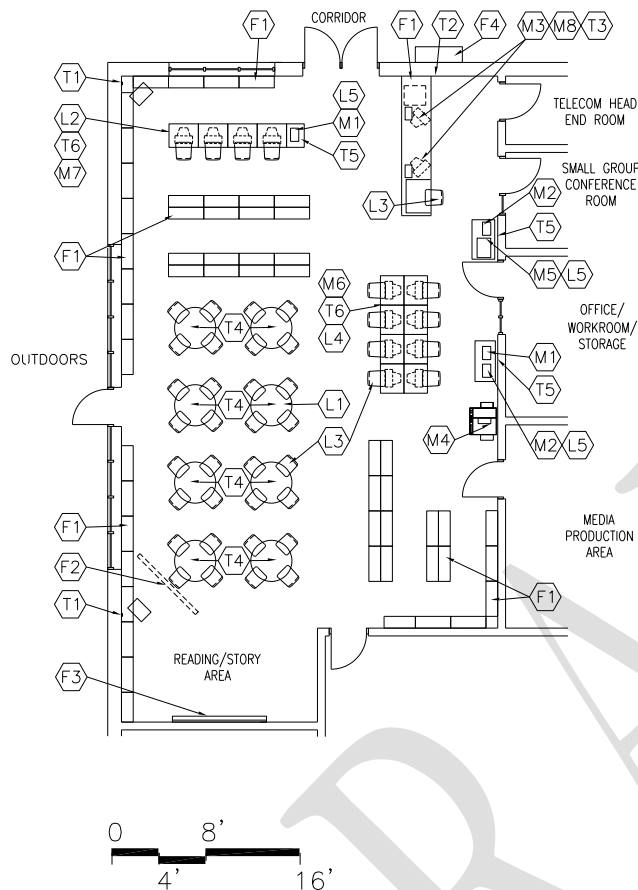
		Spec. Ref.#
F1	Casework: Base cabinets (w/sink in the larger room only) Wall cabinets/shelving	123200
F2	Tack board (4 LF)	101100
F3	Casework: Deep storage for poster board	123200
F4	Towel dispenser	102800
F5	Soap dispenser	102800

MEDIA CENTER

Spaces	Qty.	S.F.	Total	Comments
Reading/Learning/Circulation	1	2,800	2,800	
- Laptop lab w/movable wall			900	
Media small group rooms	2-3	varies	600	And/or video studio
Office/Workroom	1	300	300	
Storage	1	200	200	
Telecom Head End Room	1	200	200	
Total			5,000	

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



READING / LEARNING / CIRCULATION AREA**E-MC-1****CAPACITY:**

- 85 students or staff
- 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 with visual of all spaces including the computer area
- 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**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</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 on two walls)	101100
Ceiling:		F4 Display cases	123559
Suspended, acoustical	095113	Tack board	
Walls:		Book drop from corridor	
Painted concrete masonry units		<u>Fire Suppression:</u>	Div. 21
042000 / 099123		Fire suppression system	
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
L1 Four and 6 person tables (2 different heights) to seat 60; two locations		Supply/return air system	
L2 2-4 automated card catalog stations		Independent temperature control	
L3 85 chairs (2 different heights)		<u>Electrical:</u>	Div. 26
L4 12 research stations		Duplex receptacles	
L5 Printer table		TVSS protected quad receptacle adjacent to each data and video port	
Soft seating for 10		Single-level switching	
<u>Miscellaneous:</u>		Fluorescent lighting	
M1 Black and white printers		Illumination level: See Table 7600-16	
M2 Color printers		Means of egress lighting per code	
M3 2 bar code readers		Central sound system	
M4 Photocopy machine		Floor boxes (electrical/data) throughout reading room for flexible loose furnishings layout	
M5 Digital scanner		<u>Communications:</u>	Div. 27
M6 12 computers for student use		T1 Port for electronic white board	
M7 2-4 computers for card catalog stations		T2 Voice port and phone	
M8 2 computers for staff use		T3 2 data ports at circulation desk	
Mobile computing devices		T4 12 data ports for student use	
		T5 3 data ports for printers	
		T6 4 data ports for automated data card cat	
		<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 BREAKOUT AREAS**E-MC-2****CAPACITY:**

- 5-10 staff, visitors, students
- Community patrons after school hours

ANCILLARY SPACES:

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

Finishes¹:**Flooring:**

Carpet

Base:

Resilient base

Ceiling:

Suspended, acoustical

Walls:

Painted concrete masonry units

Writable surface on 2 walls/tackable

surface on two walls

042000 / 099123

Loose Furnishings:

Tables and chairs per room size

Alternative seating options

Ref.#

096816

096519

095113

GOAL:

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

ENVIRONMENTAL CONSIDERATIONS:

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

HVAC: Div. 23

Supply/return air system

Independent temperature control

Electrical: Div. 26

Duplex receptacles

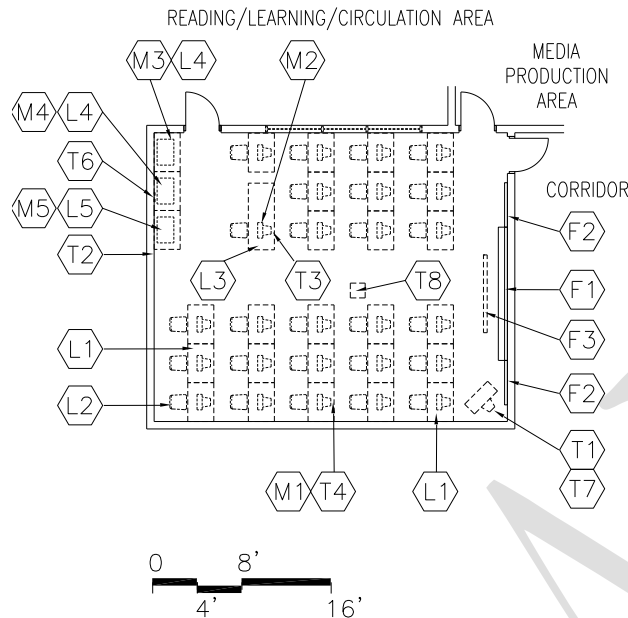
TVSS protected quad receptacle

adjacent to each data port

Multilevel switching

Fluorescent lighting with parabolic lenses

Central sound system

COMPUTER PROJECT LAB**E-MC-3****CAPACITY:**

- 25-30 students
- 1 teacher

SIZE:

- Varies, see table

ANCILLARY SPACES:

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

GOAL:

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Adjacent to and access to Reading/Learning/Circulation Room with movable glass wall
- Near the Restrooms
- Easy access to all students for teaching

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting with an appropriate visual comfort level
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Recessed floor electrical outlets
- Master switch to control power to workstations
- HVAC separate from Media Center
- Windows into Reading/Learning/Circulation Area optional
- No permanent fixtures in the middle of the room; room must be flexible to accommodate different future uses

NOTES:

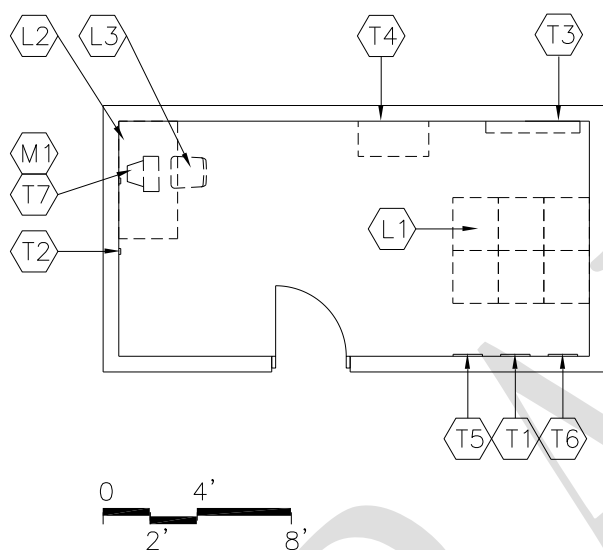
1. Loose furnishings and features shown represent one of many possible arrangements.

COMPUTER PROJECT LAB**E-MC-3**

<u>Finishes¹:</u>		Spec.	<u>Features¹:</u>		Spec.
		<u>Ref.#</u>			<u>Ref.#</u>
Flooring:			Fixed Equipment:		
Carpet		096816	F1 Marker board (12 LF)		101100
			F2 Tack board (12 LF)		101100
			F3 Electronic Board		115213
Base:					
Resilient base		096519			
Ceiling:			<u>Fire Suppression:</u>		Div. 21
Suspended, acoustical		095113	Fire suppression system		
Walls:			<u>HVAC:</u>	Div. 23	
Painted concrete masonry units			Supply/return air system		
		042000 / 099123	Independent temperature control		
<u>Loose Furnishings:</u>			<u>Electrical:</u>	Div. 26	
L1 25-30 computer workstation furniture			Duplex receptacles		
L3 Teacher workstation and chair			TVSS protected quad receptacle		
L4 1 printer table			adjacent to each data and video port		
<u>Miscellaneous:</u>			Multilevel switching		
M1 25-30 computers for student use			Fluorescent lighting with parabolic lenses		
M2 Computer for teacher use			Illumination level: See Table 7600-16		
M3 Printer			Clock		
M5 Scanner			Central sound system		
Audio enhancement equipment			<u>Communication:</u>		Div. 27
			T3 Data port near teacher workstation		
			T4 Wireless port		
			T8 Ceiling mounted projector or digital white board		
			<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****CAPACITY:**

- 1-2 staff members

SIZE:

- 200 SF

ANCILLARY SPACES:

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

GOALS:

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

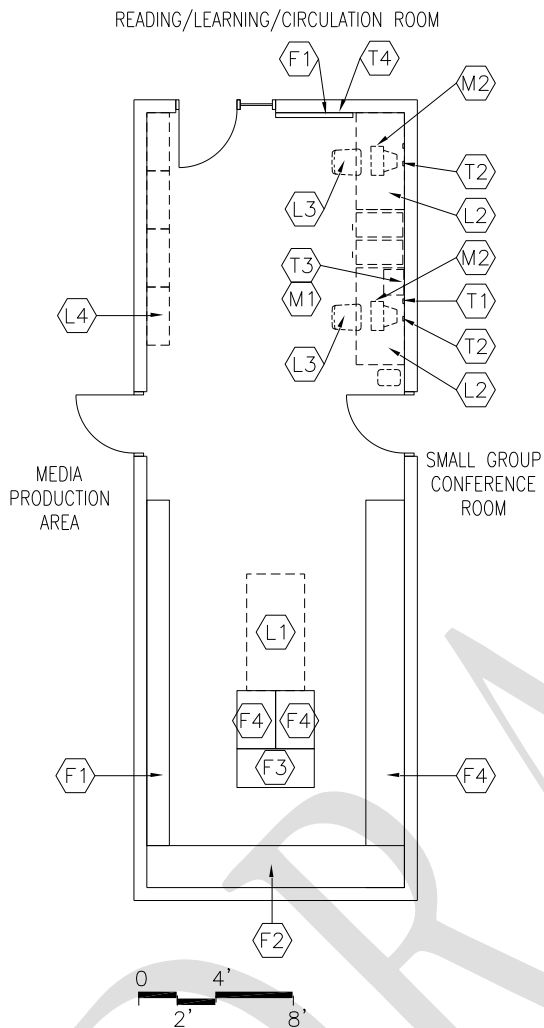
1. Loose furnishings and features shown represent one of many possible arrangements.

TELECOM HEAD END ROOM**E-MC-5**

<u>Finishes¹:</u>	Spec.	<u>Features¹:</u>	Spec.
	<u>Ref.#</u>	N/A	<u>Ref.#</u>
Flooring:			
Resilient tile flooring	096519		
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	
		Independent, packaged system	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 6-8 technology racks		Duplex receptacles	
L2 Workstation		Quad receptacles for electronic systems	
L3 Ergonomic task chair		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	Div. 27
		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	17430
		Access	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Computer	

NOTES:

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

COMBINED OFFICE / WORKROOM E-MC-6**CAPACITY:**

- Media specialists

SIZE:

- Varies, see table

ANCILLARY SPACES:

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

GOAL:

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

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

COMBINED OFFICE / WORKROOM

<u>Finishes¹:</u>		Spec.	<u>Features¹:</u>		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
Walls:			Fire suppression system		
Painted concrete masonry units		042000 / 099123	<u>Plumbing:</u>		
			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		

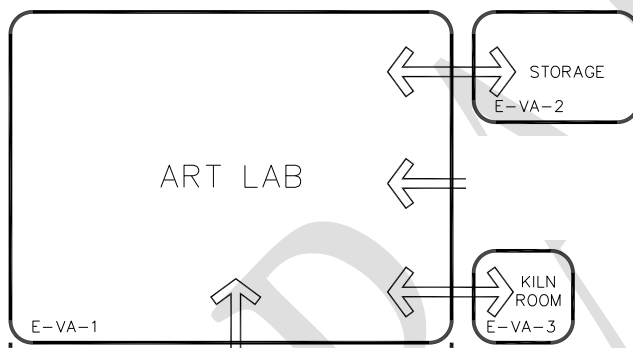
NOTES:

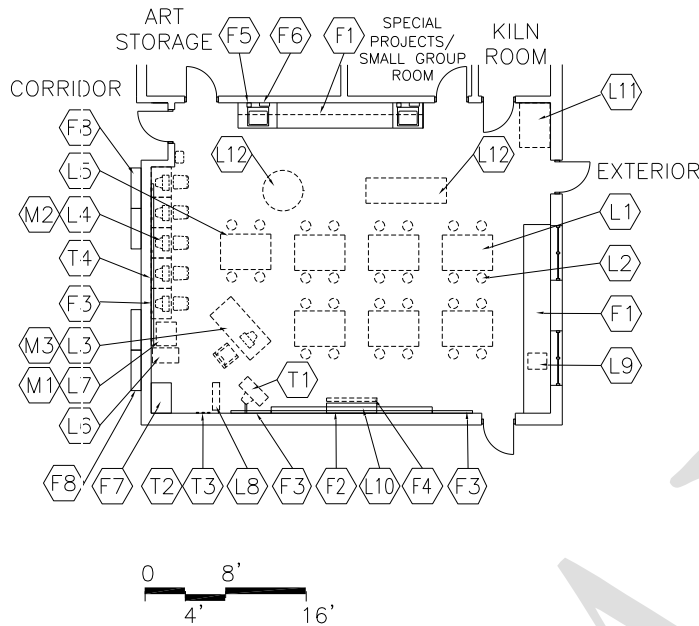
Finishes/Features: Refer to Chapter 8 for specification references.

VISUAL AND PERFORMING ARTS

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Visual Arts Lab	1	1200	1200	
Kiln Room	1	100	100	
Storage	1	150	150	
ECE arts office	1	150	150	Near ECE classrooms
			0	
General Music Room	1	1300	1300	
Instrumental Storage	1	200	200	
Total			3100	

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

VISUAL ARTS SPATIAL RELATIONSHIPS

ART LAB**E-VA-1****CAPACITY:**

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

SIZE:

- Varies, see table

ANCILLARY SPACES:

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

SPATIAL RELATIONSHIPS:

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

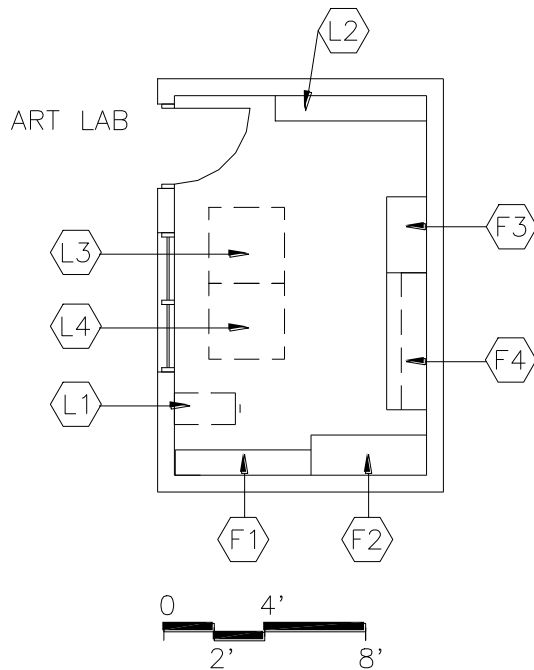
- Uniform lighting/track and display lighting
- Windows to provide natural light and egress, preferably northern exposure
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Include outlets on the wall above counter spaces in raceway
- Electrical outlets for equipment
- Provide 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**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Quartz tile	096618	F1 Casework:	
Base:		30" high base/wall cabinets near	
Resilient base	096519	sinks	123200
Ceiling (12' high minimum to underside of		Paper storage cabinets	
deck):		F2 Marker board	101100
Exposed structure, painted	099123	16 LF primary	
with acoustical treatment	098400	F5 Tack board flanking marker board	
Walls:		Plus two (2) parallel rows of	
Painted concrete masonry units or dry wall		continuous tack strips on all available	
One tackable wall		walls (4 LF or longer) at 30" and 48"	
	042000 / 099123	AFF	
<u>Loose Furnishings:</u>		F6 Manual projection screen (60"x60")	115213 ³
L1 12 2-person student work tables		F5 Soap dispenser (at each sink)	102800
L2 24-30 Student chairs		F6 Towel dispenser (at each sink)	102800
L3 Teacher workstation and chair		F7 Casework: Wardrobe	123200
L4 3 computer (laptops) tables and chairs		F8 Display cases	
L6 1, four-drawer file cabinet		<u>Fire Suppression:</u>	Div. 21
L7 Audio visual cart for teacher use		Fire suppression system	
L10 Adjustable height shelves (24 LF) for		<u>Plumbing:</u> Div. 22	
drying 3D objects		Sinks with solids interceptor	
L11 Drying rack (40-80 slats)		2 large, deep sinks	
Flat storage (10 drawers)		Plumbing connections	
Mobile student storage (see staff)		<u>HVAC:</u> Div. 23	
<u>Communications:</u>	Div. 27	Supply/return air system	
Single point 'face plate' near teachers work		Independent temperature control	
station to include:		Manually controlled general exhaust	
Voice, data, VGA , audio enhancement,		<u>Electrical:</u> Div. 26	
and HDMI		Duplex receptacles	
Additional ports:		3 per primary teaching wall	
Printer		At least 2 per other walls	
3 data ports for student use		TVSS protected quad receptacle	
Electronic white board		adjacent to each data port	
Clock/PA		Multilevel switching	
2 wireless		Fluorescent lighting	
<u>Miscellaneous:</u>		Illumination level: See Table 7600-16	
M1 Interactive white board	Div. 27	Clock	
M2 3-5 computers for student use		Central sound system	
M3 Computer for teacher use		Display/track lighting	
Audio enhancement equipment			
Document camera			

ART STORAGE**E-VA-2****GOAL:**

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

PROGRAM ACTIVITIES:

- Storage of equipment and supplies

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets for equipment

CAPACITY:

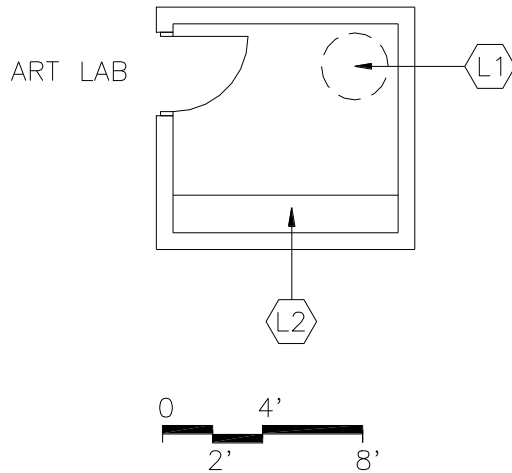
- 1 teacher

SIZE:

- 150 SF

ANCILLARY SPACES:

- Art Lab (E-VA-1)

KILN ROOM**E-VA-3****CAPACITY:**

- 1-2 persons

SIZE:

- 100 SF

ANCILLARY SPACES:

- Art Lab (E-VA-1)

GOALS:

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

PROGRAM ACTIVITIES:

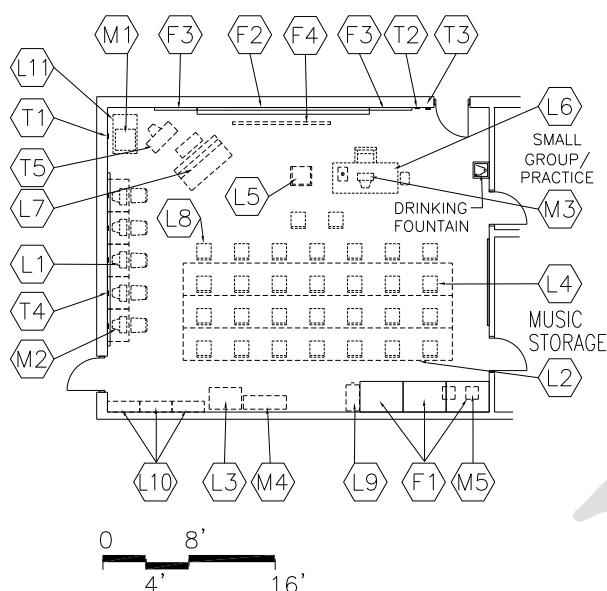
- Store 3D sculptural work
- House kiln equipment

SPATIAL RELATIONSHIPS:

- Adjacent and access to Art Lab

ENVIRONMENTAL CONSIDERATIONS:

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

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

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

ANCILLARY SPACES:

- Music Storage (E-MU-2)

GOAL:

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

PROGRAM ACTIVITIES:

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

Miscellaneous:

- M2 2 computers for student use
 M3 Computer teacher use
 M4 MIDI synthesizer
 M5 A/V recording/playback equipment

ENVIRONMENTAL CONSIDERATIONS:

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

Finishes¹:

	Ref.#
Flooring: Carpet	096816
Ceiling(10' high minimum): Suspended, acoustical	095113
Walls: Painted concrete masonry units	042000 / 099123

Loose Furnishings:

L1	2 computer workstations and chairs
L2	Portable choral risers with rails
L3	Mobile A/V cabinet
L4	27 music posture chairs
L5	Conductor podium, chair and stand
L6	Teacher desk and chair
L7	Upright piano
L9	Four-drawer file cabinet
L10	Adjustable height bookshelves (24LF)
L11	Multimedia cart for teacher use (only if electronic board not provided)

Communications:

Div. 27

Single point 'face plate' near teachers work station to include:

Voice, data, VGA , audio enhancement, and HDMI

Additional ports:

Printer
 3 data ports for student use
 Electronic white board
 Clock/PA
 2 wireless

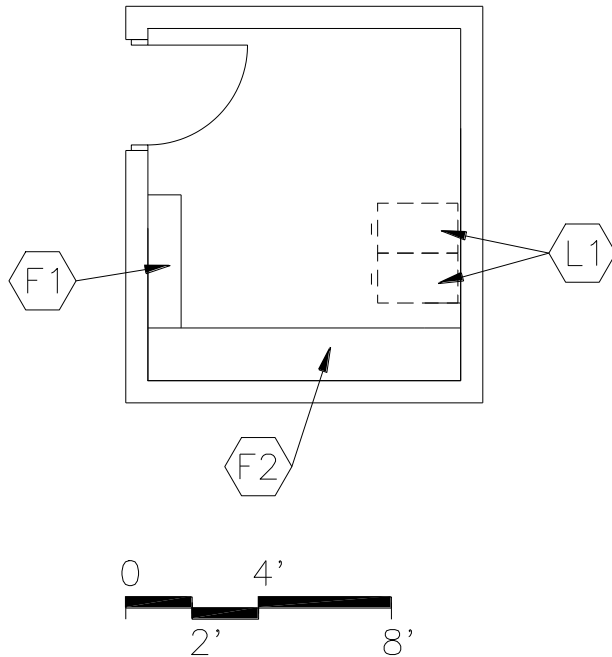
Features¹:

Spec.

Ref.#

Fixed Equipment:

F1	Casework: Paper storage cabinets	123200
F2	Marker board (16 LF) 1/2 with music staff bars	101100
F3	Tack board	101100
F5	Casework: Wardrobe	123200
F6	Casework: Sink cabinet	123200

INSTRUMENTAL STORAGE**E-MU-2****SPATIAL RELATIONSHIPS:**

- Adjacent and access to General Music Room

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets

Features¹:Ref.#**Fixed Equipment:**

- | | | |
|----|---------------------------------|--------|
| F1 | Storage shelving: | |
| | 12" deep | 105613 |
| F2 | Storage shelving: | |
| | For medium and small Instrument | |

Loose Furnishings:

- L1 2, four-drawer file cabinet (legal size)

CAPACITY:

- Students
- Teachers

ANCILLARY SPACES:

- General Music Room (E-MU-1)

GOAL:

- To provide adequate storage for choral risers, accessories, and equipment

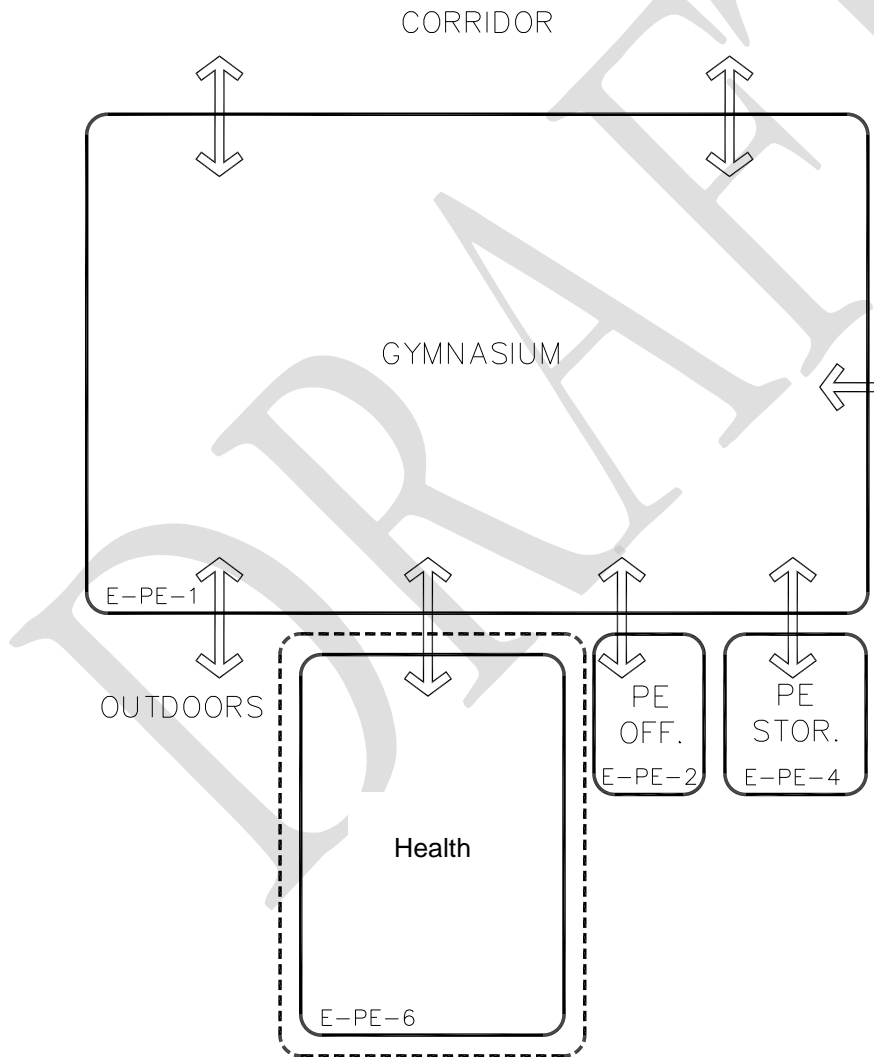
PROGRAM ACTIVITIES:

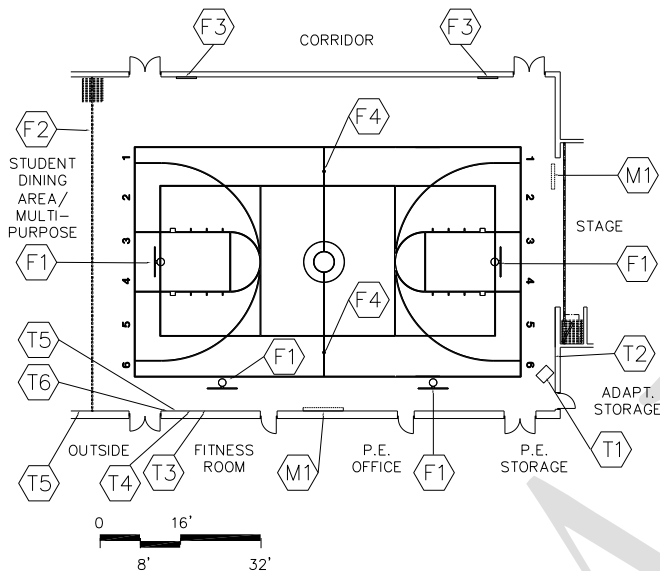
- Storage and simple repair of accessories and equipment

NOTES:

PHYSICAL EDUCATION

Spaces	Qty.	S.F.	Total	Comments
Multi-Purpose Gymnasium	1	6,500	6,500	3-4 rows of bleachers/Jr. high court dimensions
Health classroom	1	900	900	
Office	1	250	250	Includes bathroom (shower optional)
Storage	3	200	600	
Total			8,250	

Comments:

GYMNASIUM**E-PE-1****CAPACITY:**

- 24-70 students per class
- Teacher
- Parents and community members for meetings

ANCILLARY SPACES:

- P.E. Office (E-PE-2)
- P.E. Storage (E-PE-4)
- Physical Activity (E-PE-6)

GOALS:

- To provide space for P.E. classes to meet
- To provide space for students to present performances

PROGRAM ACTIVITIES:

- Athletic skills and leader games
- Adaptive physical education
- Student assemblies and programs
- Lectures/Teaching
- Community use

SPATIAL RELATIONSHIPS:

- Near public restrooms, with easy access
- Access to outdoor physical education play areas
- Near visitor parking
- Located with easy access to rest of school, but must be able to close off area for security during evening activities
- Adjacent and access to P.E. Office
- Adjacent and access to P.E. Storage
- Adjacent and access to Physical Activity

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 50
- Adequate sound control/acoustics
- Clear height of 20' from floor to nearest obstruction
- Electrical outlets for equipment
- Drinking fountain in adjacent area
- Structure, lighting, and ducts designed not to trap P.E. balls
- Ceiling heights should be proportional to room volume

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. This size space will accommodate a Jr High sized basket ball court

GYMNASIUM**E-PE-1**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Wood strip flooring for athletic applications or	096466	F1 Basketball backstops, adjustable height (ceiling hung or portable)	116600
Resilient athletic flooring	096566	F2 Operable partition, motorized	102226
Base:		White board in two locations with electrical outlet	
Vented resilient base	096466		
Ceiling:		<u>Fire Suppression:</u>	Div. 21
Painted exposed structure on acoustical deck	099923	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units	042000 + 099123	Drinking fountain in lobby (two heights)	
Acoustical wall treatment	098400	<u>HVAC:</u>	Div. 23
And/or sound absorbing concrete masonry units	042000	Supply/return air system	
Communications:	Div. 27	Independent temperature control	
T1 Video/cable/MATV port		<u>Electrical:</u>	Div. 26
T2 Voice port and phone		Duplex receptacles	
T3 Microphone port		Electrical connections to P.E. equipment where necessary	
T4 Intercom		Single-level switching	
T5 Outside microphone ports/portable System (wireless mics)		High intensity discharge lighting	
T6 Data port		Illumination level: See Table 7600-16	
Jacks for sound system		Means of egress lighting per code	
<u>Electronic Safety and Security:</u>	Div. 28	Clock	
Life safety devices per code		Central sound system	
		Gymnasium sound system	
		Provide wire guards on light fixtures and electrical devices	

NOTES:

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

P.E. OFFICE**E-PE-2****CAPACITY:**

- 2 teachers
- Student teachers

SIZE:

- 250 SF

ANCILLARY SPACES:

- Gymnasium (E-PE-1)

GOAL:

- To provide a work area for physical education faculty and staff to conduct administrative duties

PROGRAM ACTIVITIES:

- Ordering
- Scheduling
- Planning
- Maintaining records
- Meetings

SPATIAL RELATIONSHIP:

- Adjacent and access to Gymnasium
- Bathroom (shower optional)

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

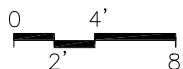
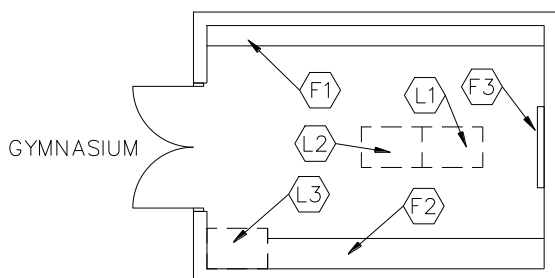
1. Loose furnishings and features shown represent one of many possible arrangements.

**P.E. OFFICE
E-PE-2**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment: (some optional)	
Office: Resilient tile flooring	096519	F1 Tack board (4 LF)	101100
Toilet: Ceramic tile	093013	F2 Towel dispenser	102800
		F3 24" x 60" mirror	102800
Base:		F4 Toilet tissue holder	102800
Office: Resilient base	096519	F5 36" and 42" grab bars	102800
Toilet: Ceramic tile base	093013	F6 Soap dispenser	102800
		F7 ADA shower accessories	102800
Ceiling:		F8 Coat hook	102800
Acoustical, suspended	05113		
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted concrete masonry units		Fire suppression system	
042000 / 099123		<u>Plumbing:</u>	Div. 22
<u>Loose Furnishings:</u>		Plumbing connections	
L1 2 Amin. workstations		Wall mounted lavatory	
L2 2 - Four-drawer file cabinet		Wall mounted water closet	
L4 2- Ergonomic task chair		Shower (Optional)	
L5 2-Adjustable height bookshelves (12 LF)		Floor drains - in restroom and shower	
		<u>HVAC:</u>	Div. 23
		Supply/return air system	
		Independent temperature control	
		<u>Electrical:</u>	Div. 26
		Duplex receptacles	
		Single-level switching	
		TVSS protected quad receptacle adjacent to data port	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port near teacher workstation	
		T3 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.

P.E. STORAGE**E-PE-4****GOAL:**

- To provide convenient storage for all physical education equipment

PROGRAM ACTIVITIES:

- Storage

SPATIAL RELATIONSHIPS:

- Adjacent and access to Gymnasium

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Leave space below shelving on one wall for portable bins

CAPACITY:

- 1-2 teachers
- Student teachers

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Gymnasium (E-PE-1)

NOTES:

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

P.E. STORAGE**E-PE-4**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u> Flooring: Resilient tile flooring	096519	<u>Features¹:</u> Fixed Equipment: F1 Storage shelving: 12" deep	105613
Base: Resilient base	096519	F2 Storage shelving: 18" deep F3 Pegboard (4 LF)	105613 101100
Ceiling: Exposed structure, painted	099123	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Walls: Painted concrete masonry units	042000 / 099123	<u>Plumbing:</u> N/A	
<u>Loose Furnishings:</u> L1 Tumbling mats L2 Ball bins L3 Play equipment		<u>HVAC:</u> Div. 23 Supply/return air system	
		<u>Electrical:</u> Div. 26 Duplex receptacles Multilevel switching Fluorescent lighting Illumination level: See Table 7600-16	
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28

NOTES:

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

HEALTH ROOM**E-PE-6****CAPACITY:**

- 24-30 students

ANCILLARY SPACES:

- Gymnasium (E-PE-1)

GOAL:

- To serve as a physical education space for health

PROGRAM ACTIVITIES:

- Nutrition classes
- Yoga
- Tutoring
- Individual work

SPATIAL RELATIONSHIPS:

- Adjacent and access to Gymnasium
- Near entrance of building
- Accessible to parking area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Flexibility of space
- Adequate ventilation
- Electrical outlets for equipment
- Windows to provide natural light

NOTES:

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

**HEALTH ROOM
E-PE-6**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u> Flooring: Resilient tile	096566	<u>Features¹:</u> Fixed Equipment: F1 Marker board (8 LF) F2 Tack board (8 LF) F3 Electronic white board	101100 101100
Base: Resilient base	096519		
Ceiling: Suspended, acoustical	095113	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Walls: Painted concrete masonry units	042000 / 099123	<u>Plumbing:</u> N/A	
<u>Loose Furnishings:</u> Stackable chairs and tables for 30 Teacher workstation and task chair		<u>HVAC:</u> Div. 23 Supply/return air system Independent temperature control	
		<u>Electrical:</u> Div. 26 Duplex receptacles Multilevel switching Fluorescent lighting Illumination level: See Table 7600-16 Clock Central sound system	
		<u>Communications:</u> See regular classroom	
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28

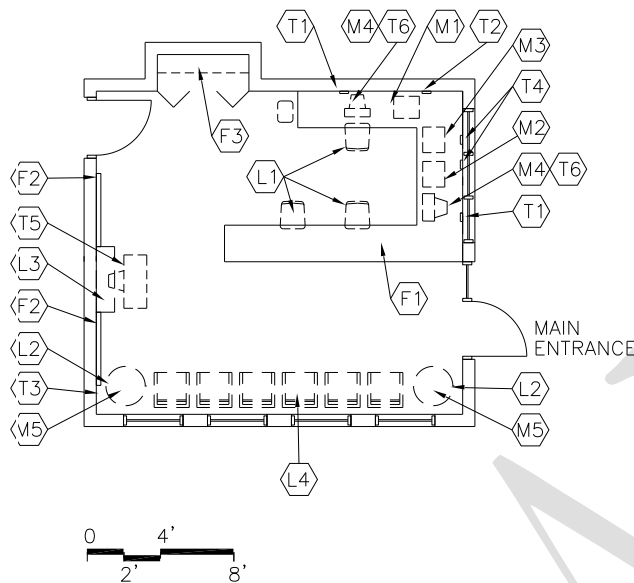
NOTES:

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

ADMINISTRATION

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Lobby/Gathering area	1	1000	1000	
Welcome Center	1	400	400	Welcoming Area, Work area for Administrative Asst.
Security Area w/ locking storage	1	75	75	
Conference Room	1	200	200	
Principal's Office	1	180	180	Including toilet
Office (AP, BM)	2	150	300	
Office (Registrar, PM, HSA)	3	120	360	
Administrative Workroom/mail	1	300	300	
Records Room	1	150	150	Needs to be a secure space.
Toilet	1	50	50	
Health Suite				
Office	1	100	100	
Treatment Area/waiting	1	200	200	
Cots	1	150	150	May be separated by a curtain
Storage	1	25	25	
Toilet	1	50	50	
Staff Lounge	1	700	700	Includes staff toilet with shower.
Total			4240	

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

WELCOME CENTER**E-AD-1****CAPACITY:**

- Administrative assistants
- Visitors/parents
- Students

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOAL:

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

PROGRAM ACTIVITIES:

- Greeting visitors
- Waiting for students or staff
- Student waiting/pick up area
- 2 Workstations for administrative assistants

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

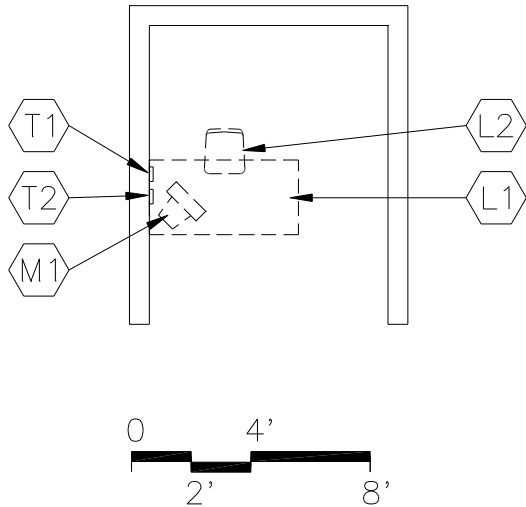
1. Loose furnishings and features shown represent one of many possible arrangements.

WELCOME CENTER

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

NOTES:

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

SECURITY AREA**E-AD-2****GOAL:**

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Adjacent to main entry

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY:

- Security officer

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

NOTES:

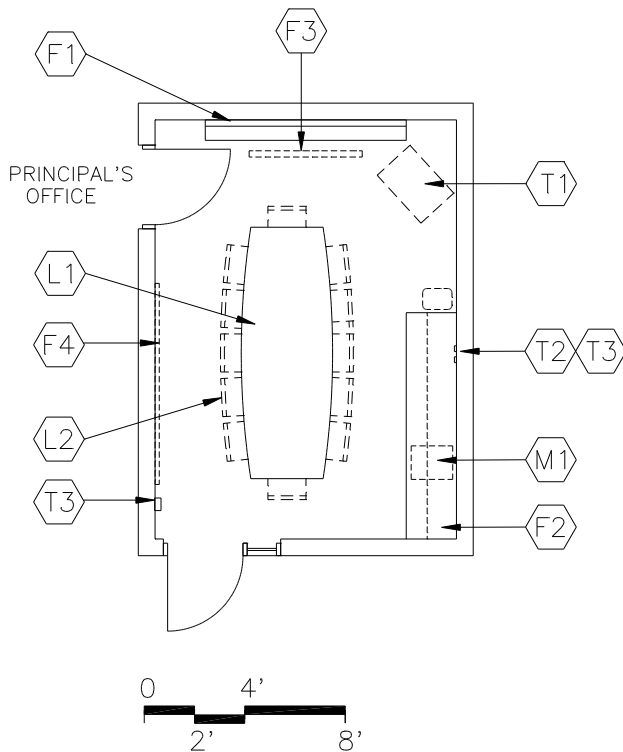
Loose furnishings and features shown represent one of many possible arrangements.

SECURITY AREA

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
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 Independent temperature control	
<u>Loose Furnishings:</u>		<u>Electrical:</u> Div. 26	
L1 Admin workstation		Duplex receptacles TVSS protected quad receptacle adjacent to each data and video port	
L2 Ergonomic task chair		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****CAPACITY:**

- Staff
- Students
- Parents
- Visitors

SIZE:

- 200 SF

ANCILLARY SPACES:

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

GOAL:

- To provide a place for administrative conferences or meetings

PROGRAM ACTIVITIES:

- Conferences with staff, students, parents, and visitors

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

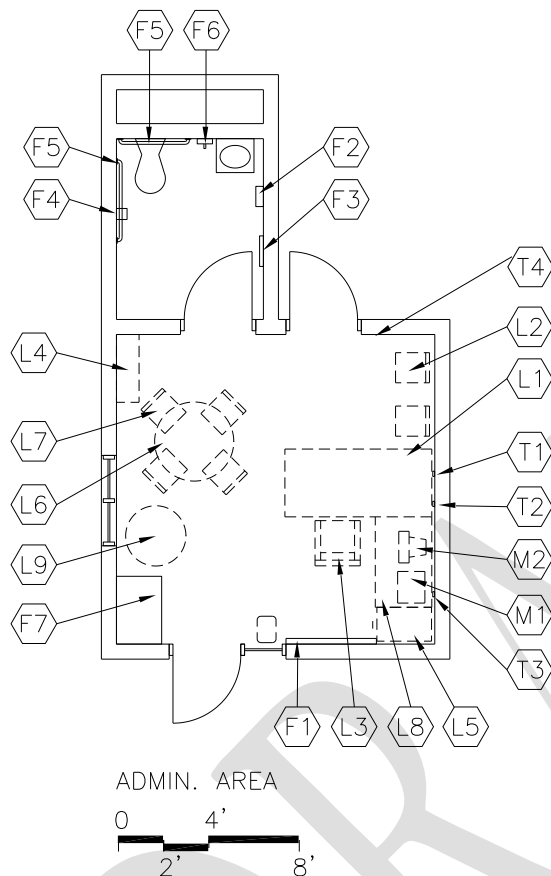
Loose furnishings and features shown represent one of many possible arrangements.

CONFERENCE ROOM**E-AD-3**

<u>Finishes¹:</u>	Spec. Ref.#	<u>Features¹:</u>	Spec. Ref.#
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	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Under counter refrigerator	

NOTES:

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

PRINCIPAL'S OFFICE**E-AD-4****CAPACITY:**

- Principal

SIZE:

- 180 SF

ANCILLARY SPACES:

- Conference Room (E-AD-3)

GOAL:

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light
- One area should be especially child-scaled and friendly for working with individual children
- Auditory privacy
- Back door to secondary corridor, desirable

NOTES:

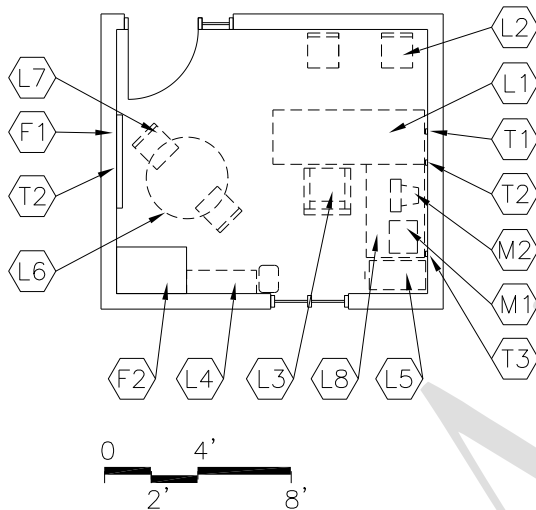
1. Loose furnishings and features shown represent one of many possible arrangements.

PRINCIPAL'S OFFICE

<u>Finishes¹:</u>	Spec. Ref.#	<u>Features¹:</u>	Spec. Ref.#
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 Independent temperature control	
L7 4-6 chairs		<u>Electrical:</u>	Div. 26
<u>Miscellaneous:</u>		Duplex receptacles 2 outlets per wall minimum TVSS protected quad receptacle adjacent to each data and video port Single-level switching Fluorescent lighting Central sound system	
M1 Printer		<u>Communications:</u>	Div. 27
M2 Computer		T1 Voice port and phone T2 Data port near workstation T3 Data port for printer T4 Cable/MATV port	
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28

NOTES:

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

ASSISTANT PRINCIPAL'S /BUSINESS OFFICE**E-AD-5****GOAL:**

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY:

- Assistant Principal

SIZE:

- 120 SF

ANCILLARY SPACES:

N/A

NOTES:

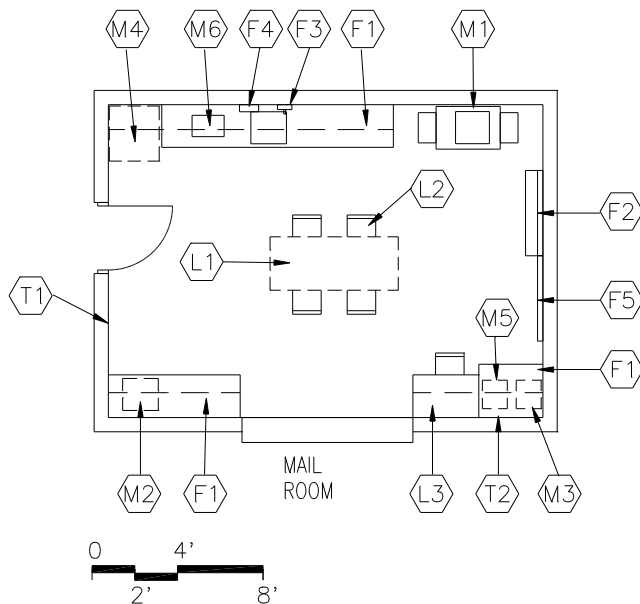
- Loose furnishings and features shown represent one of many possible arrangements

ASSISTANT PRINCIPAL'S/BUSINESS OFFICE

<u>Finishes¹:</u>	Spec. Ref.#	<u>Features¹:</u>	Spec. Ref.#
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****CAPACITY:**

- Secretaries and Administrators
- Volunteers
- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Mail Room (E-AD-8)

GOAL:

- To provide an area for office production activities

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Near Welcome Center
- Adjacent to Mail Room

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

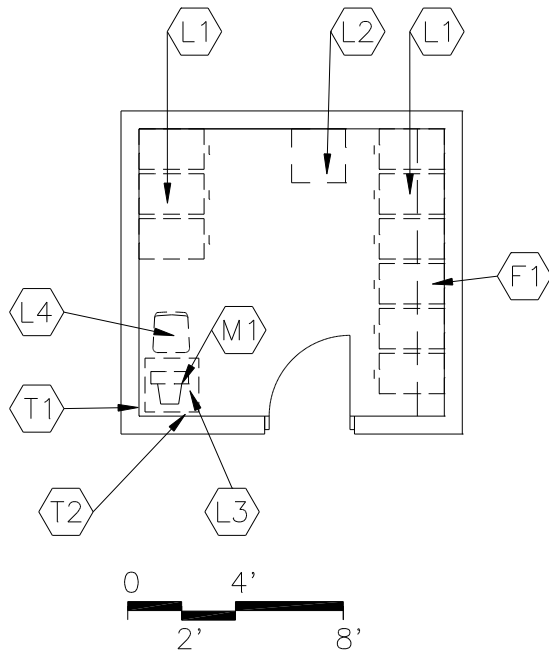
1. Loose furnishings and features shown represent one of many possible arrangements.

ADMINISTRATIVE WORKROOM

		Spec. Ref.#			Spec. Ref.#
<u>Finishes¹:</u>			<u>Features¹:</u>		
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			Fire suppression system		
over metal studs		092116 / 099123			
<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,		
L3 Computer workstation			sink, single/deep bowl		
Wastebasket					
<u>Miscellaneous:</u>			<u>HVAC:</u>		Div. 23
M1 Copier			Supply/return air system		
M2 Paper cutter			Independent temperature		
M3 Laminating machine			control		
M4 Refrigerator with ice maker			<u>Electrical:</u>		Div. 26
M5 Color printer			Duplex receptacles		
M6 Microwave			Raceway above countertop		
			TVSS protected quad receptacle		
			adjacent to each data port		
			Single-level switching		
			Fluorescent lighting		
			Illumination level: See Table 7600-16		
			Dedicated receptacle for copier		
			Clock		
			Central sound system		
			<u>Communications:</u>		Div. 27
			T1 Voice ports and phones		
			T2 Data port for printer		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		

NOTES:

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

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:

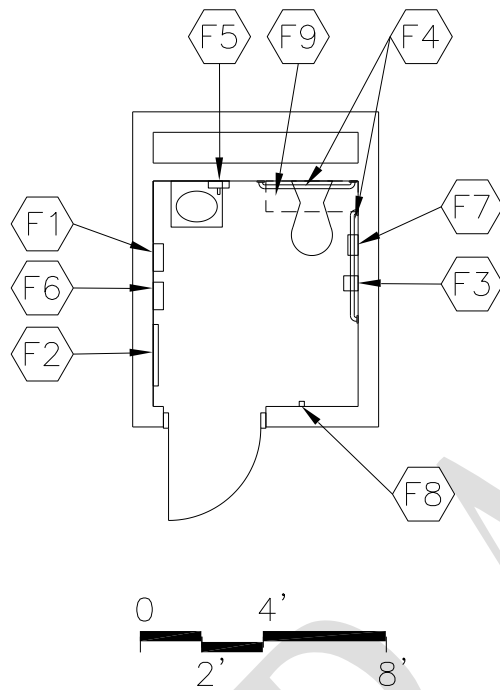
1. Loose furnishings and features shown represent one of many possible arrangements.

RECORDS ROOM

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

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:

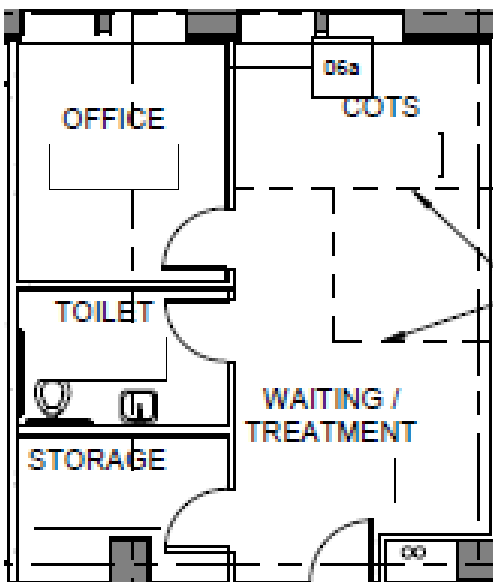
1. Extend walls above ceiling to deck above for security and acoustical reasons.
2. Provide staff restrooms for both men and women.
3. Each pair of staff restrooms should be distributed throughout the building at appropriate locations.

STAFF TOILET**E-AD-11**

<u>Finishes¹:</u>	Spec. Ref.#	<u>Features¹:</u>	Spec. Ref.#
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
Walls:		F9 Casework:	
Painted concrete masonry units 042000 / 099123		Wall cabinet	103200
		<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.

WAITING/TREATMENT AREA (HEALTH SUITE)**E-AD-16****CAPACITY:**

- 1 staff member/volunteer/nurse
- Students

SIZE:

- 200 SF

ANCILLARY SPACES:

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

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:

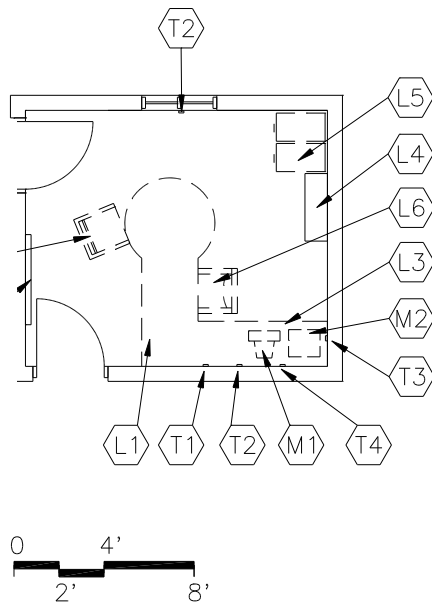
- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Stain-resistant floor covering
- Sink with hot and cold water
- Adequate ventilation
- Electrical outlets for equipment
- Locate away from rooms with copiers,
interferes with hearing screening
- Auditory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

NOTES:

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

WAITING/TREATMENT AREA (HEALTH SUITE)**E-AD-16**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Casework:	
		Base/wall cabinets	123200
		Place for refrigerator	
Base:		F2 Casework:	
Resilient base	096519	Tall storage	123200
Ceiling (8' high minimum):		F3 Cubicle curtain	102123
Suspended, acoustical	095113	F4 Soap dispenser	102800
		F5 Towel dispenser	102800
Walls:		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:

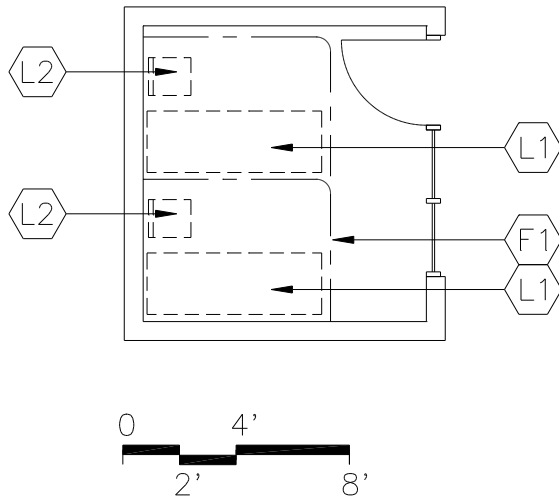
1. Loose furnishings and features shown represent one of many possible arrangements.

OFFICE AREA - Health Suite**E-AD-15**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
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		Supply/return air system	
over metal studs	092116 / 099123		
<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.

COTS**Health Suite****GOAL:**

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

PROGRAM ACTIVITIES:

- A resting place for students and staff when feeling ill

SPATIAL RELATIONSHIPS:

- Located within Health Suite
- Near welcome center

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY:

- Staff
- Students

SIZE:

- 150 SF

ANCILLARY SPACES:

N/A

NOTES:

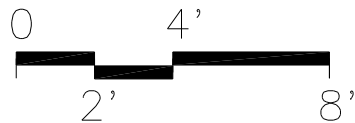
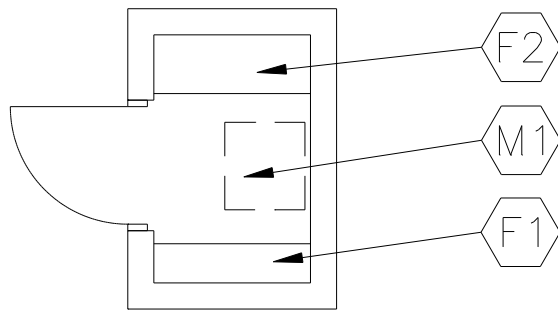
1. Loose furnishings and features shown represent one of many possible arrangements.

COTS

		Spec. Ref.#			Spec. Ref.#
<u>Finishes¹:</u>			<u>Features¹:</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 3 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**CAPACITY:**

- Staff

SIZE:

- 25 SF

ANCILLARY SPACES:

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

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

NOTES:

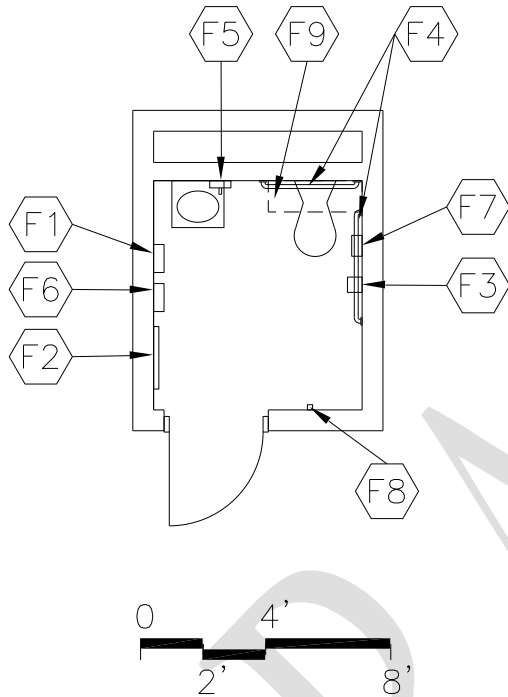
1. Loose furnishings and features shown represent one of many possible arrangements.

STORAGE
Health Suite

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u> Flooring: Resilient tile flooring	096519	<u>Features¹:</u> Fixed Equipment: F1 Storage shelving: 12" deep	105613
Base: Resilient base	096519	F2 Storage shelving: 18" deep	105613
Ceiling (8' high minimum): Cleanable, suspended, acoustical	095113	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Walls: Painted concrete masonry units	042000 / 099123	<u>Plumbing:</u> Div. 22 Fire protection system Plumbing connections Hook-up for ice maker	
<u>Loose Furnishings:</u> N/A		<u>HVAC:</u> Div. 23 Supply/return air system	
Note: Refrigerator may be in the office area		<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> Life safety devices per code	Div. 28
		<u>Miscellaneous:</u> M1 Refrigerator (lockable) with ice maker	

NOTES:

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

TOILET**E-AD-19****CAPACITY:**

- Students
- Staff

SIZE:

- 50 SF

ANCILLARY SPACES:

N/A

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Located within Health Suite

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

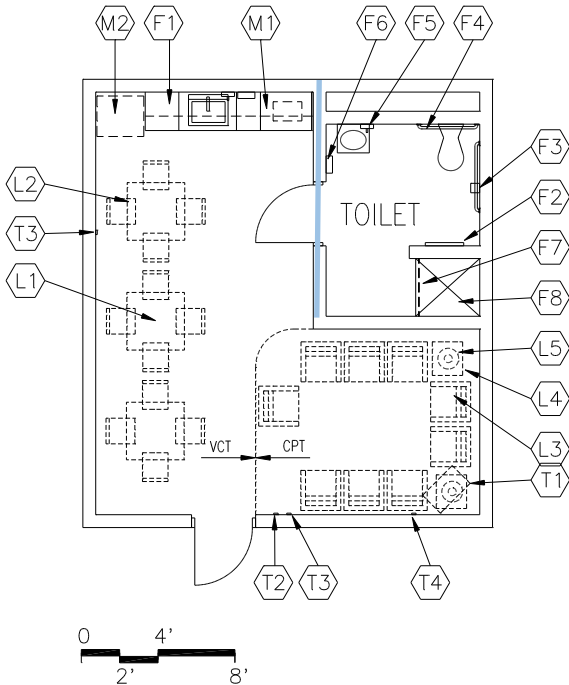
1. Loose furnishings and features shown represent one of many possible arrangements.

TOILET

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

NOTES:

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

STAFF LOUNGE**E-AD-21****GOAL:**

- To provide an area for staff dining and for relaxing

PROGRAM ACTIVITIES:

- Staff dining
- Relaxation

SPATIAL RELATIONSHIPS:

- Near Academic Classrooms
- Access to Main Corridor
- Restroom and shower access from the corridor only

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**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</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	
T2 Voice port and phone		Independent temperature control	
T3 2 data ports		<u>Electrical:</u>	Div. 26
<u>Miscellaneous:</u>		Duplex receptacles	
M1 2 microwaves		TVSS protected quad receptacle adjacent to each data and video port	
M2 Refrigerator with ice maker		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

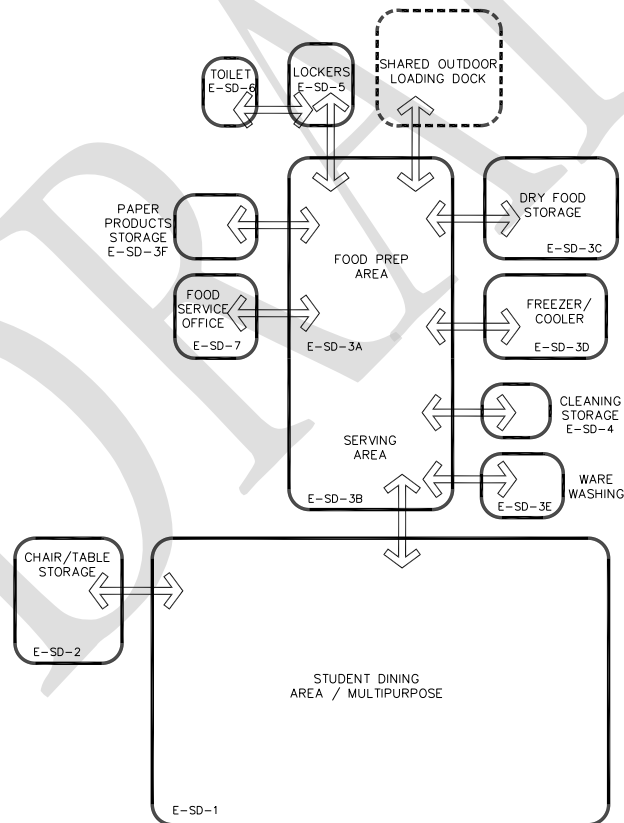
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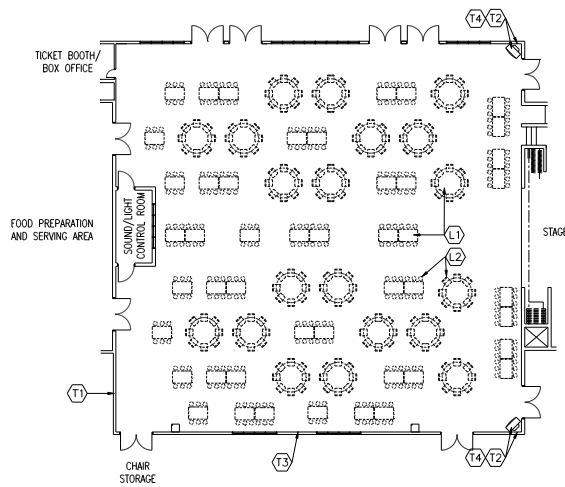
Finishes/Features: Refer to Chapter 8 for specification references.

Dinning and Food Services

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Student Dining Area/Multi-purpose	1	3,650	3,650	
Chair and Table Storage	1	450	450	
Serving area	1	400	400	
Kitchen Suite	1	1800	1800	
Stage	1	1000	1000	
Total			7,300	

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



STUDENT DINING AREA / MULTIPURPOSE**SD-1****CAPACITY:**

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

ANCILLARY SPACES

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

GOALS:

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

PROGRAM ACTIVITIES:

- Student dining
- School and community programs, meetings, and activities

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Lighting appropriate to tasks
- Adequate ventilation
- Electrical outlets for equipment along perimeter walls and on columns
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Higher than normal ceiling height
- Cleanable building surfaces
- Windows to provide ample natural light
- Good sight lines to all areas of the room for supervision
- Window treatment to darken room for AV presentation
- Outlets and data ports for salad bar/POS
 - Flush to ground with cover
 - Cold filtered water

NOTES:

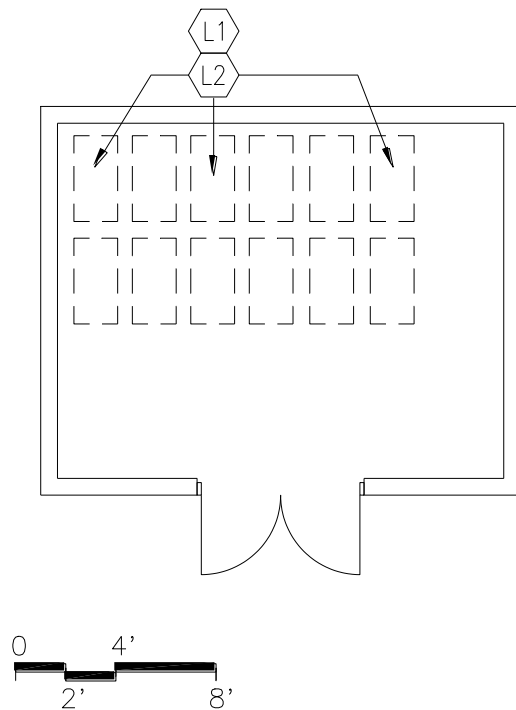
1. Loose furnishings and features shown represent one of many possible arrangements.

STUDENT DINING AREA / MULTIPURPOSE**SD-1**

<u>Finishes¹:</u>	Spec. <u>Ref.#</u>	<u>Features¹:</u>	Spec. <u>Ref.#</u>
Flooring:		N/A	
Resilient Tile	096766		
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling: (15' high minimum)		<u>Plumbing:</u> Div. 22	
Suspended, acoustical	095113	Cold filtered water with bubbler and water bottle spout	
Walls:		<u>HVAC:</u> Div. 23	
Painted concrete masonry units	042000 / 099123	Supply/return air system	
Acoustical wall treatment	098400	Independent temperature control	
<u>Loose Furnishings:</u>		Air conditioning	
L1 Tables and seating to accommodate 1/3 of school capacity (266 for lunch)			
<u>Miscellaneous:</u>		<u>Electrical:</u> Div. 26	
M1 Audio system		Duplex receptacles	
		Vending Machines	
		TVSS protected quad receptacles adjacent to each data and video port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Student dining sound system ²	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 2 cable/MATV ports	
		T2 4 data ports	
		T3 Voice port and phone	
		T4 2 video ports, monitors, VCRs/DVDs, and brackets	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

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

CHAIR / TABLE STORAGE**SD-2**

CAPACITY:
N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

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

GOAL:

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

PROGRAM ACTIVITY:

- Storage

SPATIAL RELATIONSHIPS:

- Adjacent and access to Student Dining Area/Multipurpose

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

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

CHAIR / TABLE STORAGE**SD-2**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Trulo flooring	096519	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 concrete masonry units	042000 / 099123	Supply/return air system	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Chairs		Duplex receptacles	
L2 Chair dollies		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

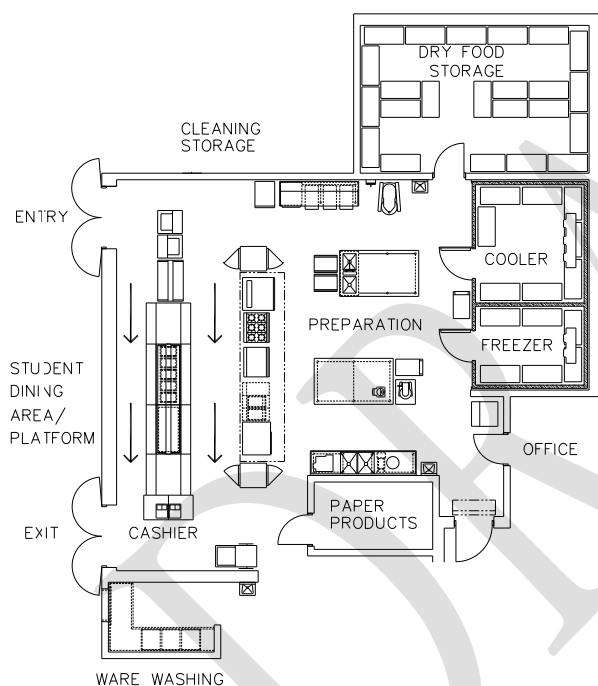
1. Finishes/Features: Refer to Chapter 8 for specification references.

COOKING KITCHEN

This space consists of the following areas:

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

A space plate follows for each of these areas.

**CAPACITY:**

- Students
- Staff
- Community

ANCILLARY SPACES:

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

GOAL:

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

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

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

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

Space for recycling

NOTES:

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

FOOD PREPARATION AREA**CAPACITY:**

- Staff

SIZE:

- Varies, see table

GOAL:

- To prepare student meals

PROGRAM ACTIVITIES:

- Prepare food

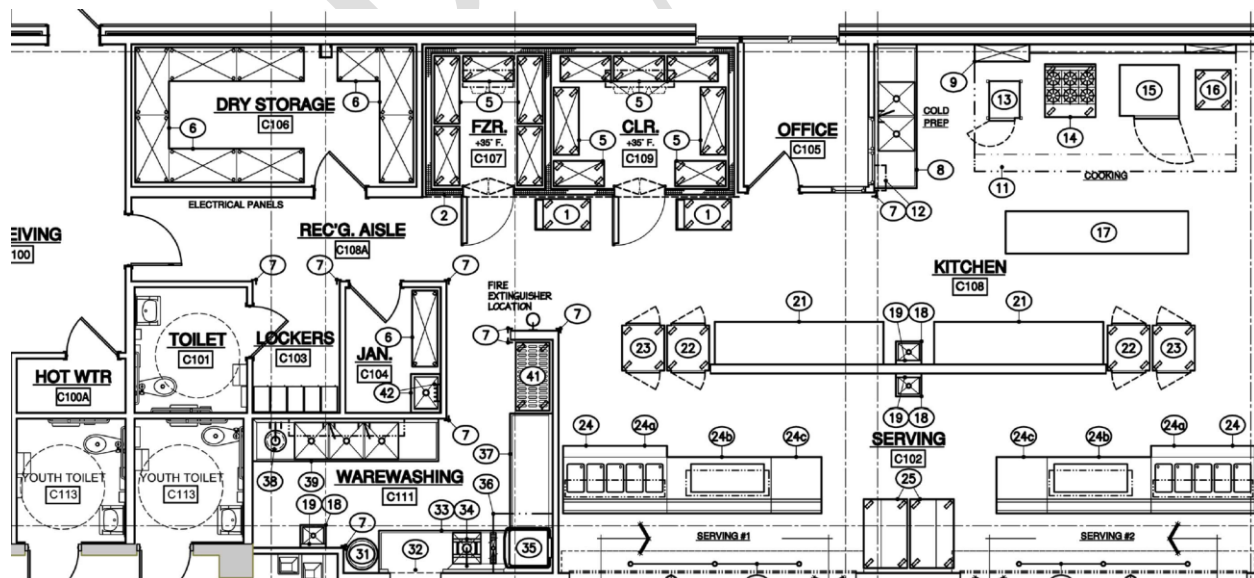
SPATIAL RELATIONSHIPS:

- Adjacent to Student Dining Area/Multipurpose
- Open to Serving Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Proper ventilation of space to remove cooking odors
- Cleanable building surfaces
- Electrical/plumbing/mechanical connections for food service equipment
- Towel dispensers, Soap dispensers, trash cans

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

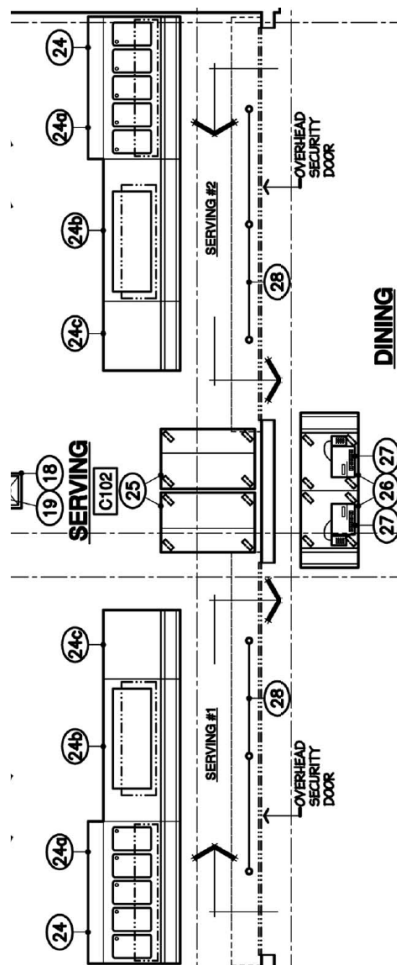


FOOD PREPARATION AREA

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

NOTES:

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

SERVING AREA**E-SD-3B****GOAL:**

- To provide serving station for those seeking meals or snacks

PROGRAM ACTIVITIES:

- Serve food

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building services
- Electrical connections for food service equipment

CAPACITY:

- Students
- Staff
- Community

ANCILLARY SPACES:

- Student Dining Area/Multipurpose (E-SD-1)
- Kitchen (E-SD-3)

NOTES:

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

SERVING AREA**E-SD-3B**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Quarry tile	093000	Drop-In Individually Controlled Heated Electric Food Wells, Full Service Sneeze Guard with overshef may use existing milk box or a new airtscreen refrigerator for beverages. Size of equipment and number of are determined by space available. A Drop-In Self-Contained Refrigerated Cold Pan will also be included for side items. Counter and sneeze guards are lower than normal for better viewing and service to elementary students.	
Base:			
Quarry tile base	093000		
Ceiling:			
Cleanable, suspended, acoustical	095113		
Walls:			
Epoxy-painted concrete masonry units	042000 / 099123		
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
N/A		Supply/return air system	
		Independent temperature control	
<u>Miscellaneous:</u>		Kitchen canopy exhaust system	
Cash registers at end of point of service		Air conditioning	
		<u>Electrical:</u>	Div. 26
<u>Fire Suppression:</u>	Div. 21	Single-level switching	
Fire suppression system		Fluorescent lighting	
		Illumination level: See Table 7600-16	
<u>Plumbing:</u>	Div. 22	Central sound system	
Connections to food service equipment		Duplex receptacles along permanent perimeter walls	
Plumbing and gas connections		Electrical supply to support equipment specified	
Hand washing lavatory		Clock	
Floor drains		Circuits for portable generator	
		TVSS protected quad receptacle adjacent to data and video ports	
		<u>Communications:</u>	Div. 27
		T1 1 voice port and phone	
		T2 2 data ports at cash registers or per salad bar	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

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

DRY FOOD STORAGE**E-SD-3C****GOAL:**

- To provide an area for food storage
- Provide storage for breakfast bags

PROGRAM ACTIVITIES:

- Storage

SPATIAL RELATIONSHIPS:

- Near Supply Storage/Receiving
- Adjacent and access to Food Preparation Area

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY:

N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Warming Kitchen (E-SD-3)

NOTES:

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

DRY FOOD STORAGE**E-SD-3C**

<u>Finishes¹:</u> <u>Ref.#</u>	Spec.	<u>Features¹:</u> <u>Ref.#</u>	Spec.
Flooring: Trulo flooring	093000	Fixed Equipment: F1 Rust-resistant 24" deep shelving and dunnage racks	
Base: Quarry tile base	093000	Leave space for breakfast bags on portable	
Resilient base	096519	<u>Fire Suppression:</u>	Div. 21
Ceiling: Cleanable, suspended, acoustical	095113	Fire suppression system	
Walls: Epoxy-painted concrete masonry units	042000 / 099123	<u>Plumbing:</u> N/A	
<u>Loose Furnishings:</u> N/A		<u>HVAC:</u> Div. 23 Supply/return air system	
		<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> Life safety devices per code	Div. 28
		<u>Miscellaneous:</u> N/A	

NOTES:

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

FREEZER AND COOLER**E-SD-3D****SIZE:**

- Varies, see table

ANCILLARY SPACES:

- Kitchen (E-SD-3)

GOAL:

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

PROGRAM ACTIVITIES:

- Storage
- Walk-in type

SPATIAL RELATIONSHIPS:

- Adjacent and access to Food Preparation Area
- Near the Supply Storage/Receiving

ENVIRONMENTAL CONSIDERATIONS:

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

Freezer/coolers need to be connected to the generator.

NOTES:

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

**FREEZER AND COOLER
E-SD-3D**

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u> Flooring: Poured Resin Floor		<u>Features¹:</u> Fixed Equipment: F1 Rust resistant 24" deep shelving and dunnage racks	114000
Base: Manufactured insulated panel	114000		
Ceiling: Manufactured insulated panel	114000	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Walls: Manufactured insulated panel	114000	<u>Plumbing:</u> N/A	
<u>Loose Furnishings:</u> N/A		<u>HVAC:</u> Div. 23 Exhaust air system for compressors Div. 15	
		<u>Electrical:</u> Div. 26 Electrical connections to freezer/cooler refrigeration equipment Single-level switching Incandescent lighting Illumination level: See Table 7600-16	
		<u>Communications:</u> N/A	
		<u>Electronic Safety and Security:</u> N/A	
		<u>Miscellaneous:</u> N/A	

NOTES:

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

Ware Washing**E-SD-3E**

<p>CAPACITY: N/A</p> <p>SIZE: <ul style="list-style-type: none"> Varies, see table </p> <p>ANCILLARY SPACES: <ul style="list-style-type: none"> Kitchen (E-SD-3) </p>	<p>GOAL: <ul style="list-style-type: none"> To clean food service equipment </p> <p>PROGRAM ACTIVITY: <ul style="list-style-type: none"> Space and equipment to scrape, wash, dry, and store food service equipment </p> <p>SPATIAL RELATIONSHIPS: <ul style="list-style-type: none"> Pass-through into Student Dining Area/Multipurpose Adjacent and access to Food Preparation Area </p> <p>ENVIRONMENTAL CONSIDERATIONS: <ul style="list-style-type: none"> Uniform lighting Proper ventilation of space to remove steam and condensation Cleanable building surfaces </p>
---	--

NOTES:

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

**WARE WASHING
E-SD-3E**

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

NOTES:

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

PAPER PRODUCTS STORAGE**E-SD-3F****GOAL:**

- To provide storage for paper products used in preparing and serving meals
- To provide storage for food program equipment (BIC, FFVP, and Early Childhood)

PROGRAM ACTIVITIES:

- Lockable space

SPATIAL RELATIONSHIPS:

- Adjacent and access to Food Preparation Area

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY:
N/A

SIZE:
• Varies, see table

ANCILLARY SPACES:
• Kitchen (E-SD-3)

NOTES:

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

PAPER PRODUCTS STORAGE

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

NOTES:

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

CLEANING STORAGE**E-SD-4****GOAL:**

- To store chemicals used in cleaning and maintaining kitchen

PROGRAM ACTIVITIES:

- Storing chemicals and equipment

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Sensors for spilled chemicals
- Adequate exhaust/ventilation

CAPACITY:

- Food service staff

SIZE:

- 50 SF

ANCILLARY SPACES:

- Kitchen (E-SD-3)

NOTES:

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

LOCKERS**E-SD-5****GOAL:**

- To provide space for the food service staff to store their personal belongings and to change their clothing

PROGRAM ACTIVITIES:

- Space for the storage of towels, aprons, etc.
- Space to allow food staff personnel to take breaks

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen
- Adjacent and access to Toilet

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY:

- Food service personnel

SIZE:

- 75 SF

ANCILLARY SPACES:

- Kitchen (E-SD-3)
- Toilet (E-SD-6)

NOTES:

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

LOCKERS
E-SD- 5

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u> Flooring: Trulo flooring	096519	<u>Features¹:</u> Fixed Equipment: F1 Lockers 12" wide x 12" deep x 72" high	105113
Base: Quarry tile base Resilient base	093000 096519	F2 Tack board (4 LF)	101100
Ceiling: Suspended, acoustical	095113	<u>Fire Suppression:</u> Fire suppression system	Div. 21
Walls: Painted concrete masonry units	042000 / 099123	<u>Plumbing:</u> N/A	
<u>Loose Furnishings:</u> L1 Chairs L2 30" x 60" table		<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 Clock Central sound system	
		<u>Communications:</u> N/A	
		<u>Electronic Safety and Security:</u> Life safety devices per code	Div. 28
		<u>Miscellaneous:</u> N/A	

NOTES:

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

TOILET**E-SD-6****PROGRAM ACTIVITIES:**

- Personal and health needs for food service staff
- Changing clothing

SPATIAL RELATIONSHIPS:

- Adjacent and access to lockers
- Near Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 40
Ceiling minimum: CAC 35
- Moisture- and stain-resistant finishes
- Adequate exhaust/ventilation

CAPACITY:

- Food service personnel

SIZE:

- 50 SF

ANCILLARY SPACES:

- Lockers (E-SD-5)

NOTES:

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

**TOILET
E-SD-6**

	Spec. Ref.#	Features ¹ (consistent with rest of school).	Spec.
<u>Finishes¹:</u>		<u>Fixed Equipment:</u>	
Flooring:		F1 Towel dispenser	102800
Trulo flooring	093000	F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue holder	102800
Quarry tile base	093000	F4 36" and 42" grab bars	102800
Resilient base	096519	F5 Soap dispenser	102800
Ceiling:		F6 Sanitary dispenser	102800
Suspended, acoustical	095113	F7 Sanitary disposal (with cover)	102800
Walls:		F8 Coat hook	102800
Painted concrete masonry units	042000 / 099123	<u>Fire Suppression:</u>	Div. 21
<u>Loose Furnishings:</u>		Fire suppression system	
N/A		<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.

FOOD SERVICE OFFICE**E-SD-7****GOAL:**

- To provide an area to keep records and conduct business

PROGRAM ACTIVITIES:

- Scheduling
- Staff evaluations/discipline/meetings

SPATIAL RELATIONSHIPS:

- Adjacent and access to kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 40
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- View of the kitchen

CAPACITY:

- Food service manager
- Food service staff

SIZE:

- 100 SF

ANCILLARY SPACES:

- Kitchen (E-SD-3)

NOTES:

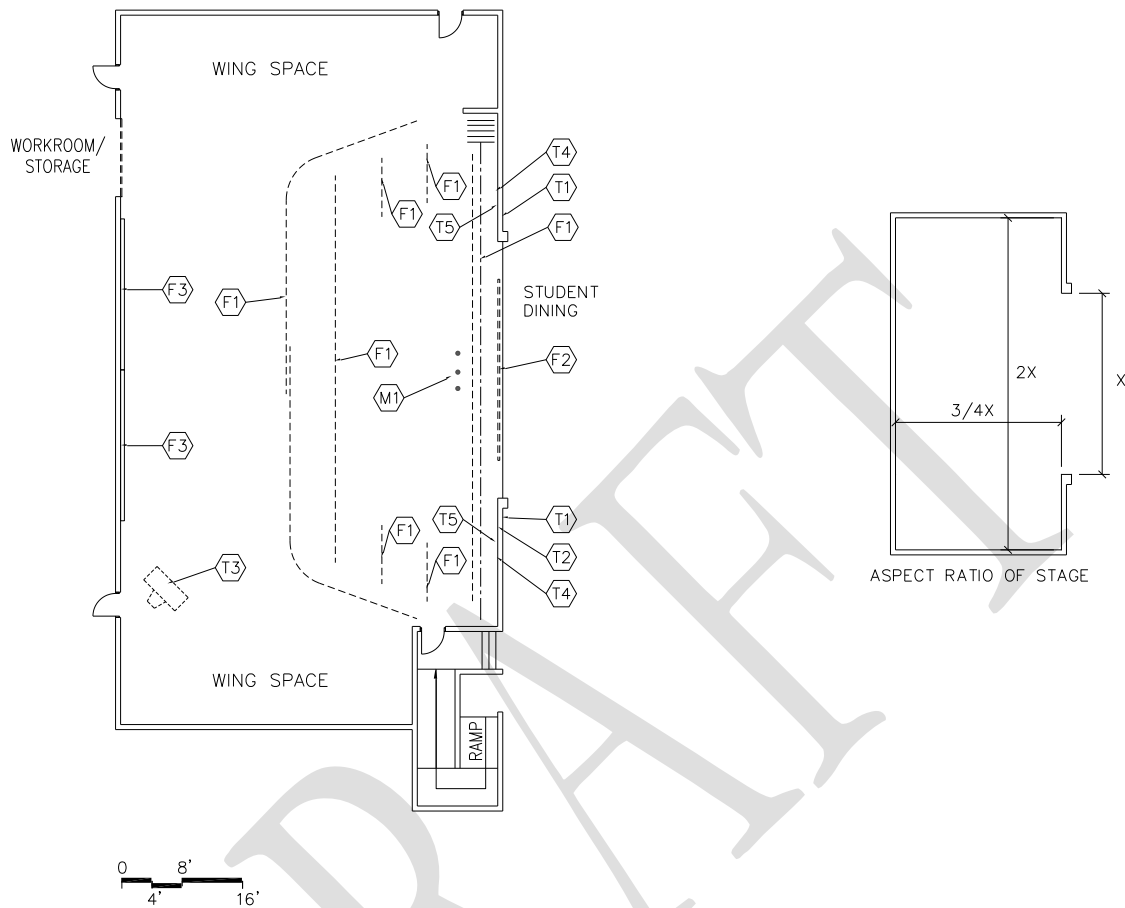
1. Loose furnishings and features shown represent one of many possible arrangements.

**FOOD SERVICE OFFICE
E-SD-7**

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Tack board (4 LF)	101100
Base:		Fire Suppression:	Div. 21
Quarry tile base	093000	Fire suppression system	
Resilient base	096519		
Ceiling:		Plumbing:	
Suspended, acoustical	095113	N/A	
Walls:		HVAC:	Div. 23
Painted concrete masonry units	042000 / 099123	Supply/return air system	
		Independent temperature control	
Loose Furnishings:		Electrical:	Div. 26
L1 Desk		Duplex receptacles	
L2 Four-drawer file cabinet		TVSS protected quad receptacle	
L3 Computer workstation		adjacent to data and	
L4 Ergonomic task chair		video port	
L5 Adjustable height bookshelves (12 LF)		Single-level switching	
L6 Printer table		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		Communications:	Div. 27
		T1 Voice port and phone	
		T2 Data port near workstation	
		T3 Data port for printer	
		Electronic Safety and Security:	Div. 28
		Life safety devices per code	
		Miscellaneous:	
		M1 Computer	
		M2 Printer	
		Bulletin board	

NOTES:

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

STAGE**CAPACITY:**

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

GOAL:

- To provide a space for student performances

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Near music classrooms

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

STAGE

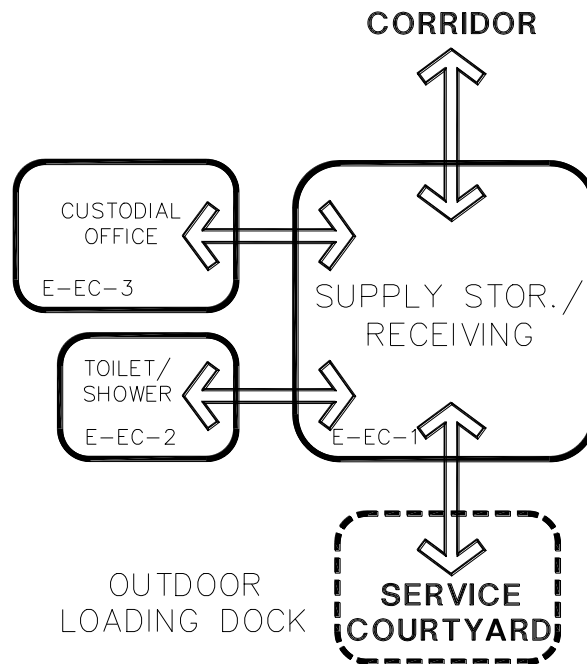
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Wood flooring ²	096466	F1 Theater and stage equipment	116143
		F2 Motorized projection screen	115213
		F3 Mirror	088000
Base:		<u>Fire Suppression:</u>	Div. 21
Ventilated resilient base	096466	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Painted exposed structure	099123	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted concrete masonry	042000 / 099123	Supply/return air system	
units		Independent temperature	
		control	
<u>Loose Furnishings (Not Shown):</u>		<u>Electrical:</u>	Div. 26
Mobile folding risers		Duplex receptacles	
		12" o.c. on back and wing walls	
		3 duplex outlets in apron at front	
		of stage	
		TVSS protected quad receptacle	
		adjacent to each data port	
		Single-level switching	
		General purpose lighting	
		Stage dimming system	
		House lighting	
		Illumination levels: See table 7600-16	
		Clock	
		Auditorium sound system	
		Provide outlet in apron at front of stage	
		<u>Communications:</u>	Div. 27
		T1 2 data ports on stage	
		T2 Voice port and telephone	
		T4 Microphone port	
		T5 Jacks for sound system	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

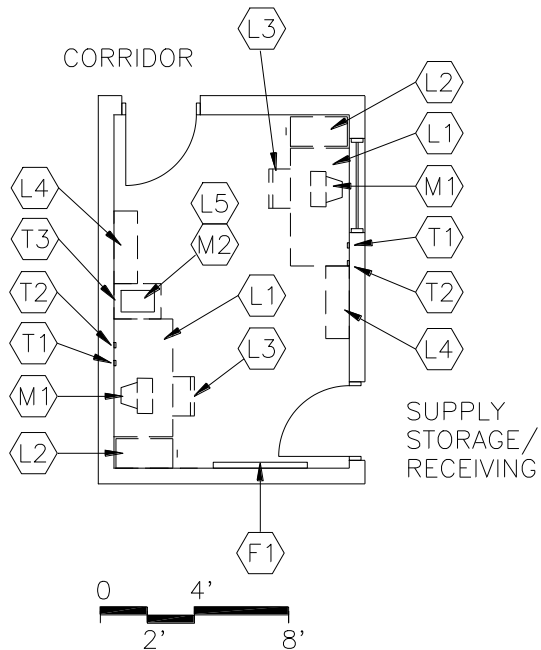
NOTES:

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

Maintenance & Custodial Space Requirements

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



CUSTODIAL OFFICE**M-EC-3****GOAL:**

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets for equipment
- Visual control of supply storage/receiving

CAPACITY:

- Maintenance and custodial staff

SIZE:

- 150 SF

ANCILLARY SPACES:

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

NOTES:

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

**CUSTODIAL OFFICE
M-EC-3**

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

NOTES:

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

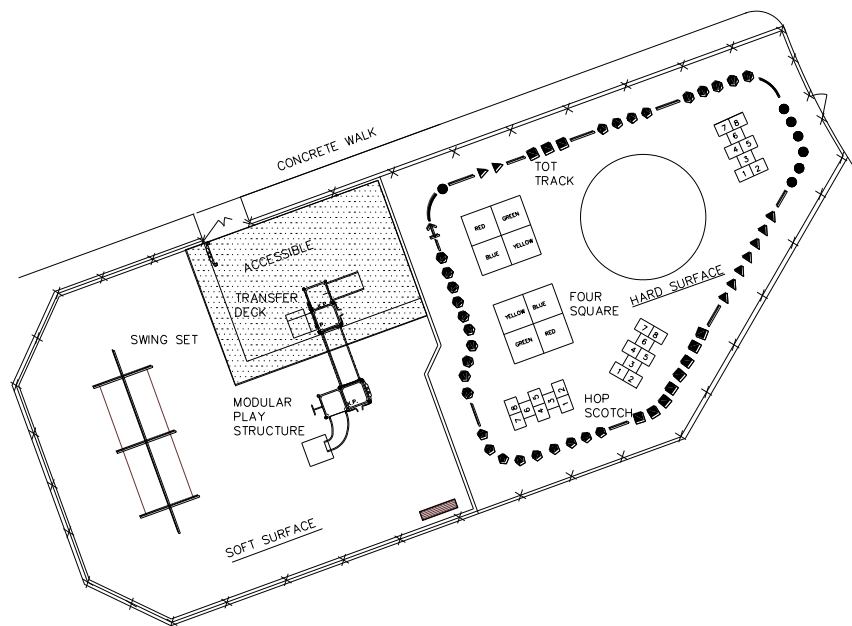
PLAYGROUNDS

AREA REQUIRED

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

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

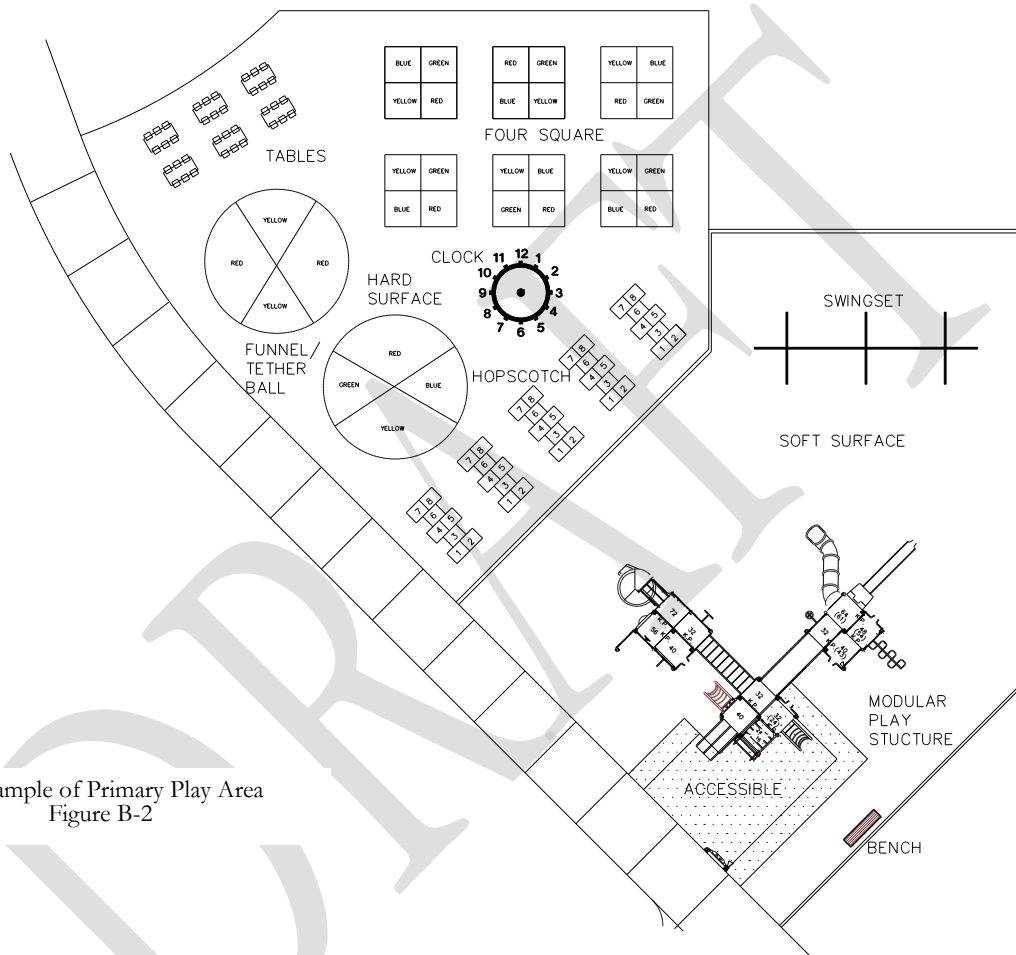
- a. Plan for play activities that include rocking, swinging, balancing, climbing, and sliding.
- b. Include tables and chairs for age group
- c. Locate equipment with moving parts, such as swings, at the perimeter of the play area. Use fence or planting beds to prevent children from inadvertently stepping into path of moving equipment.



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

Primary Play Area (See Figure B-2)

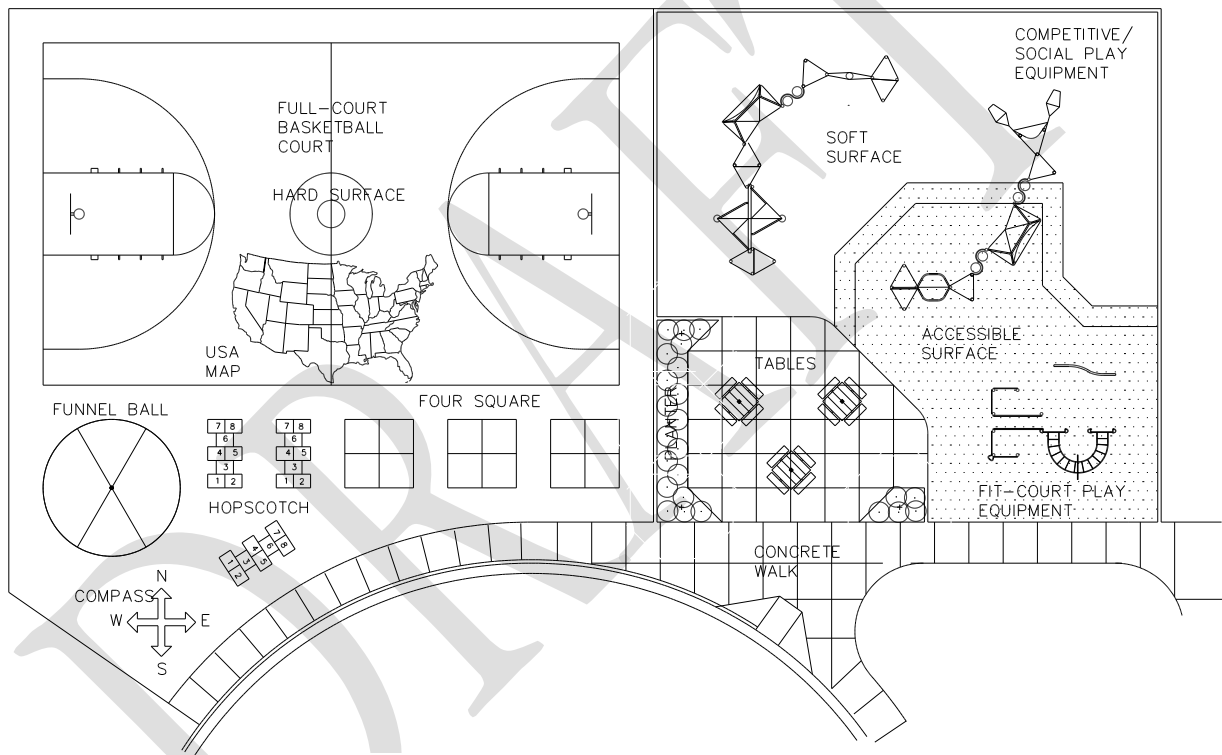
- Design for grades 1 through 3.
- Plan for play activities that include rocking, swinging, balancing, climbing, and sliding.
- Plan for upper-body strengthening devices such as a parallel bar and overhead ladder play equipment.



Example of Primary Play Area
Figure B-2

Intermediate Play Area (See Figure B-3)

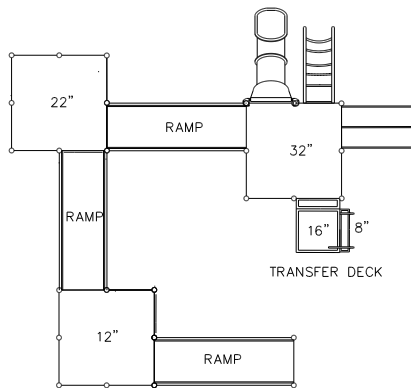
- Design for grades 4 and 5.
- Intermediate play area may be combined with primary play area and a 'tot track' designed around both play areas
- Include an outdoor science classroom that includes the garden.
- Plan for 1 full basketball court (50 feet by 84 feet) or 2 half courts (50 feet by 42 feet).
- A turf ball field already exists and is an important asset to the school and community.



Example of Intermediate Play Area
Figure B-3

SOFT SURFACE PLAY AREA

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

ACCESSIBILITY STANDARDS

Typical Ramp and Transfer Deck
Figure E-1

1. Plan for ramps and/or transfer points on composite play structures for access to play components on elevated decks. Meet the Americans with Disabilities Act guidelines for percentage of components that are to be accessible by ramp and by transfer deck. See Figure E-1.
2. Provide table and benches along accessible route.
3. Provide upper-body strengthening devices as appropriate for age group and amount of supervision.

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