GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF GENERAL SERVICES

DESIGN-BUIL SERVICES
ROOSEVELT HIGH SCHOOL

Solicitation #: DCAM-13-CS-0136

Addendum No. 1
Issued: March 27, 2013

This Addendum Number 01 is issued by e-mail on March 27, 2013. Except as modified hereby, the Request for Proposals ("RFP") remains unmodified.

Item #1

Sign-In Sheet: The sign-in sheet from the pre-proposal conference is attached.

Item #2

Site Visit: A site visit has been scheduled for **Thursday, April 4, 2013 at 3:00 pm**. Please meet at the sign in/security check point area which is on the backside of the building between MacFarland Middle School and Roosevelt High. There is limited parking in this area around the football stadium bleachers. Robert Hannan and Joseph Sullivan will meet you at the door. Please bring a valid driver's license or other government issued form of identification to comply with the school's security procedures.

Item #3

Budget: The construction budget is $90 million.

Item #4

Education Specification: An updated draft Educational Specification is attached.

Item #5

The bid date remains unchanged. Proposals are due by **April 16, 2013 at 2:00 pm EDT**. Proposals that are hand-delivered should be delivered to the attention of: Danyel Riley, Contract Specialist, **Frank D. Reeves Center, 2000 14th Street, NW, 8th floor, Washington, DC 20009**.

- End of Addendum No. 1 -

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DEPARTMENT OF GENERAL SERVICES

DESIGN-BUILD ROOSEVELT HIGH SCHOOL

Solicitation #: DCAM-13-CS-0136

Preproposal Conference
March 26, 2013

Sign-in Sheet

1. Name: Josh Christensen Phone: 202-733-1162
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   Email Address: jchristensen@gilbaneco.com
   Have you registered for the Constant Contact E-Mailing List? YES ☐ NO ☐
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   Company: HENSEL PHELPS CONSTRUCTION CO
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   Have you registered for the Constant Contact E-Mailing List? YES ☐ NO ☒
5. Name: Phone:
   Company:
   Email Address:
   Have you registered for the Constant Contact E-Mailing List? YES ☐ NO ☐

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March 26, 2013

6. Name: Steve Sullivan Phone: 202 503 6956
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7. Name: Christopher Walker Phone: 202-529-2140 ext 219
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8. Name: SUSAN CASTELLAN Phone: 443-463-2361
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10. Name: Norma Suriel Phone: 301-754-2882
Company: KIM Engineering
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Have you registered for the Constant Contact E-Mailing List? YES ☐ NO ☐

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14. Name: Phone:
Company:
Email Address:
Have you registered for the Constant Contact E-Mailing List? YES ☐ NO ☐

15. Name: Phone:
Company:
Email Address:
Have you registered for the Constant Contact E-Mailing List? YES ☐ NO ☐

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March 26, 2013

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18. Name: Yash Vahyhelz Phone: 202-529-2140
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28. Name: _____ Phone: _____
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29. Name: _____ Phone: _____
Company: _____
Email Address: _____
Have you registered for the Constant Contact E-Mailing List? YES ☐ NO ☐

30. Name: _____ Phone: _____
Company: _____
Email Address: _____
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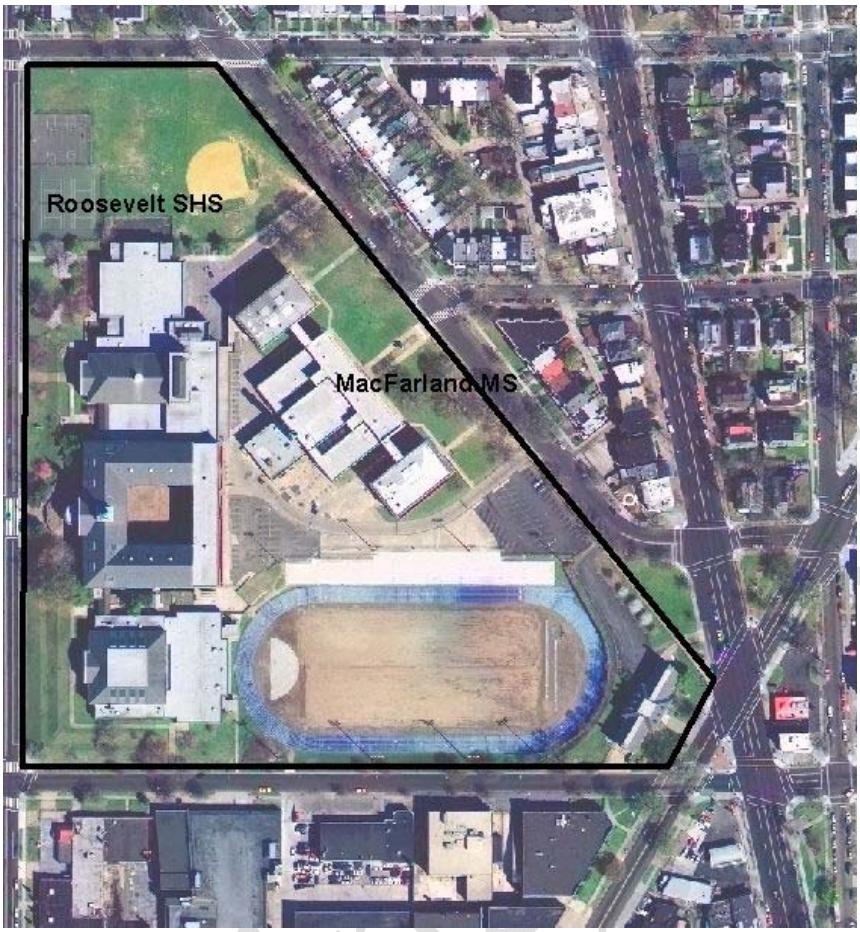


Roosevelt High School Modernization
Educational Specification
DRAFT
March 2013

Working Draft

DCPS Academic Guiding Principals

Modernize/Enhance Classrooms

Focus attention on areas that most impact the learning environment of our students with a particular emphasis on infusing researched-based facility amenities such as enhanced natural and artificial lighting, acoustics, air quality, climate control and technology, along with other fundamental elements that directly impact student achievement and educator effectiveness.

Ensure Buildings Support Programs

Ensure that our facilities optimize learning by supporting specialized programs such as STEM (Science, Technology, Engineering, Mathematics), High Tech campuses, Fine Arts and Gifted and Talented programs; providing appropriate facilities for Special Education and Early Childhood Education; and accommodating necessary changes for schools undergoing grade configuration changes.

Accommodate Emerging/Existing Feeder Patterns, Enrollment Trends and School Clusters

Take into account school feeder patterns in order to maximize the likelihood that DCPS students will attend a modernized building during their academic career; consider emerging school clusters/campuses to maximize facility designs; and appropriately expand schools with evidence of overcrowding/waiting lists, as well as ongoing and successful joint-use agreements.

Leverage the School as a Community Asset

Optimize available space within schools to support complementary programming with community agencies such as health clinics, performing arts programs, sports and recreation efforts, and other community partners to increase student achievement, educator capacity, schools' effectiveness, and community engagement.

Working Draft

Table of Contents

Introduction……4

Proposed Capacity……5

Overview of Planning Concepts……6

Summary of Space Requirements……41

Core Academic Requirements……42

Special Education Space Requirements……62

Media Center Space Requirements……81

Visual Arts Space Requirements……92

Performing Arts Space Requirements……96

ROTC Space Requirements……112

Family Support Center……119

Physical Education Requirements……124

Administration Space Requirements……137

Student Dining Space Requirements……172

STAY Space Requirements……195

Maintenance and Custodial Space Requirements……208

Working Draft

Introduction

This document articulates the space requirements for the modernization of Roosevelt High School. It will be the basis for a more developed Educational Specification with staff and community input.

Scope and Justification

This project is for the modernization of Roosevelt High School built to 21st century DCPS standards for 800-900 daytime students and up to 600 part-time evening students.

The Student Population

In the last five years Roosevelt's daytime enrollment has declined steadily while the STAY enrollment has grown. This program anticipates that following a modernization, the enrollment may increase slightly.

	2007	2008	2009	2010	2011
Roosevelt HS	840	792	717	646	551
Roosevelt STAY	345	265	247	672	579

In addition to a regular grades 9-12 high school program, Roosevelt houses an evening part-time program for young people and adults. Although both programs operate independently with separate administrations, there is some sharing of space.

Currently a charter school is co-located on the third floor. It is anticipated that this school will relocated before the beginning of the 2013 school year.

Capacity Calculation

Graduation Requirements

In 2007, the District of Columbia revised graduation requirements. All students graduating in 2010 and beyond must have 4 Carnegie Units (CU) in English, Math, Social Studies, and Science. They will need 2 units in a foreign language and 1.5 units in PE/health, and .5 each in art and music. Only 3.5 additional units are required in electives. At 80-85% utilization and a class size of 25, Roosevelt should need approximately 37 teaching stations for the academics.

	Carn. Units	Classrooms Needed*
English	4	6
Math	4	6
SS	4	6
Lang	2	3
Science	4	6
PE	1.5	3
Art/Music	1	2
Electives	3.5	5
	24	37

Working Draft

The Program - Daytime

Proposed Capacity

	# of Rooms	# Students/ Room	Capacity
Core Academic Classrooms (English 6, Math 6, Social Studies 6, Electives Lang 4)	22	20	440
Science	6	20	120
Technology Lab (for 'blended learning')	2	0	0
Special Education	10	10	100
Visual Arts	1	20	20
Instrumental/Choral	2	20	40
Gym	1	20	40
Multi-Purpose PE	1	0	0
Fitness/Weight Room	1	0	0
Health	1	20	20
ROTC	1	18	18
CTE Labs	3	18	54
Total at 80% Utilization	**51**		**852**

The Program – PM/Twilight

	# of Rooms	# Students/ Room	Capacity
Core Academic Classrooms (shared)	15	20	NA
Technology Lab	1	20	NA
CTE	1	20	NA

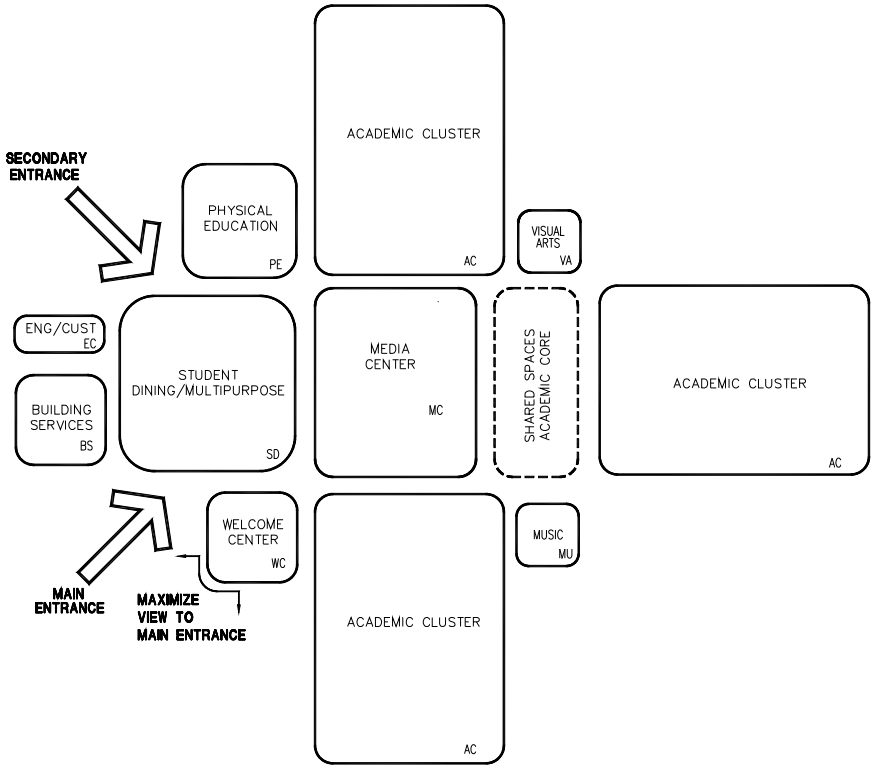
Working Draft

Overview of Planning Concepts

The Academies Structure

The goal of high school education is to provide students with a rigorous and comprehensive academic program which will prepare them in becoming responsible and independent citizens of a global society.

In recent years, DCPS has concentrated high school modernization efforts on 1) creating a personalized and orderly learning environments (small learning communities) 2) assisting students who enter high school with poor academic skills or who are at risk to drop-out (9th grade centers), 3) improving instructional practice (through technology and equipment upgrades) 4) preparing students for the world beyond high school (Career and Technology pathways).



The Pathways Structure

Roosevelt's organizational model is based around four 'pathways'.

- Academic Pathways
  - Academic departments
  - Special and alternative programs
- Career and College Readiness
- Transformation
  - Family Center
- Climate for Learning

The Academy Structure

Roosevelt is considering an academy structure based on grade level. The following is a typical academy structure.

All ninth graders would be assigned to a 9th Grade Academy (200-250 students). Emphasis is placed on basic reading and technology skills, and is intended to transition students from the middle school environment into high school. Most students spend the whole day with their homeroom cohort. They are enrolled in the core English, math (Algebra 1), science (physical science), and social studies (World History) as well as one or more semester(s) of physical education, foreign language, art and/or music.

Classroom Breakout:
Academic classrooms = 8 (includes 2 English, 2 Math, 2 Social Studies, 2 Science)
Independent Study/Resource Rm = 1 (for reading, technology projects, testing, and independent study)

Learning/administrative Hub
Teachers' work/team room/conference room/storage
Staff office (Social worker/counselor/academy coordinator)

Corridors
Universal Signage, Theme-based colors and textures
250-300 lockers
Rest rooms for students and staff
Commons (If feasible)

All tenth graders would be assigned to a 10th grade academy (150 students). Emphasis is placed on the core academic skills needed for graduation as well as identifying special interests in career and technology courses. They are enrolled in the core English, math (geometry), science (biology), and social studies (U.S. History). Electives include foreign language, art and/or music, or one of the career and technology streams.

Classroom Breakout:
Academic classrooms = 4 (includes English, Math, Social Studies, Science)

Learning/administrative Hub
Teachers' work/team room/conference room/storage
Staff office (Social worker/counselor/academy coord.)

Working Draft

Corridors
Universal Signage, Theme-based colors and textures
200 lockers
Rest rooms for students and staff

Students in ESL often attend 'sheltered' subject matter classrooms. Their classrooms should be located between the 9th and 10th grades and will include the following

Classroom Breakout:
Academic classrooms = 4 (includes English, Math, Social Studies, Science)

Teachers' work/team room/storage
Staff office

Students in an upper grade academy (250 students) continue the core academics of English, math, social studies, and science along with similar electives.

Classroom Breakout:
Academic classrooms = 8 (includes 2 English, 2 Math, 2 Social Studies, 2 Science)

Learning/administrative Hub
Academy administrator Suite
Teachers' work/team room/conference room/storage
Staff office (Social worker/counselor/academy coord.)

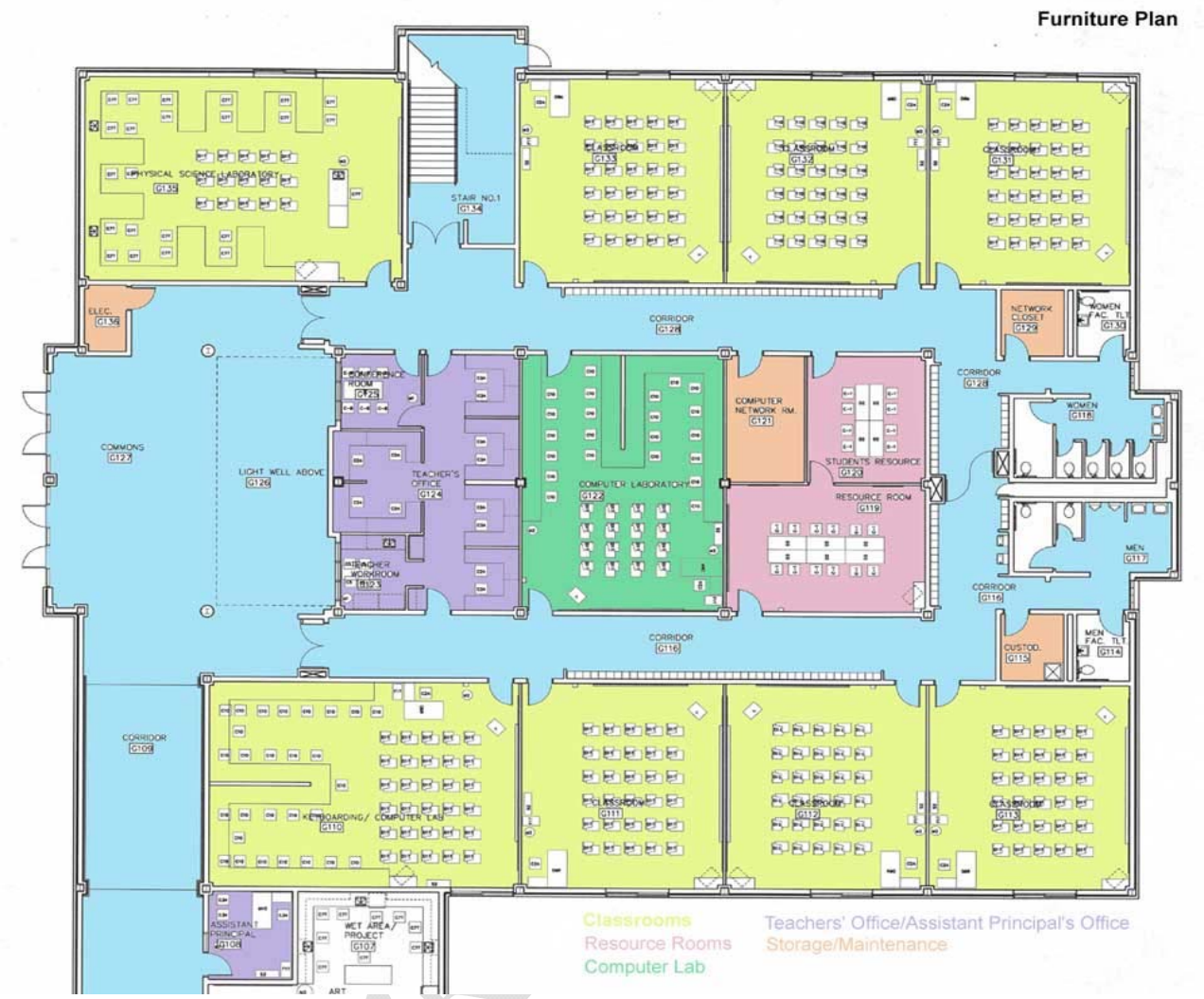
Corridors
Universal Signage, Theme-based colors and textures
200-300 lockers
Rest rooms for students and staff

Academies should be self-contained with most academic classrooms, administration, guidance, teacher planning, and storage located in the general area. It will offer an inclusive environment that serves all students regardless of special needs – physical, mental, emotional, academic, or language challenges.

Electives Central to all Grades

Classroom Breakout:
Foreign Language/electives = 4
Art = 1
Music Suite = 2
CTE Labs
Technology labs

Working Draft



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.

Roosevelt has two 'self-contained' programs using 4 classrooms. These programs need to be located in different quiet areas of the building.

> Students with Autism: 2 classrooms with a shared life skills lab. These rooms may be located on the same corridor but not necessarily adjacent.
>
> Students in RISE: 2 classrooms with a quiet room and office/conference space

All other students are all or partially mainstreamed. The school uses a combination of co-teaching, dual certified teachers and subject-based 'learning centers'. This is the 'Elite Academy'. It should be central to all grade level academies.

Classroom Breakout:
Center classrooms = 4 (includes English, Math, Social Studies, Science)
Read 180 = 1

Learning/administrative Hub
Academy administrator Suite
Teachers' work/team room/conference room/storage
Itinerant staff offices (social worker, psychologist, speech, OT/PT)

Visual and Performing Arts

The music program may include band and chorus. Teaching spaces for these curricula must be planned with particular attention to room volume and acoustics. Several storage options must be included to support a variety of instruments, uniforms, and music.

The visual arts program should ideally be adjacent to an outdoor patio. The program may include 2D and 3D activities. The room should be located to maximize north lighting.

The Auditorium will provide for performance opportunities for drama and instrumental music groups. It may also be used as an instructional area for speakers, awards ceremonies, and other meetings. Support spaces such as set construction, costume shops, and sound booth should be located adjacent.

"Welcome Area"/Administration/Student Services

High schools often have two entrances with students entering by the 'noisy' areas of the building (gym, auditorium, and cafeteria) and visitors entering by the main office and student services suite. In addition, Roosevelt HS would like a third entrance for Stay students. All entrances should have security measures.

Immediately upon entry, visitors should be greeted in the Administration "welcome area." Ideally the main entrance vestibule should direct visitors through the main office for security before they can enter the school proper.

The registrar and partner services should be located in this area so that visitors will not need to go through the quieter academic areas to access services.

Some administration will be decentralized for security and programmatic reasons.

Multi-Media Center

The Media Center will be centrally located. The Media Center will be the information hub for the building and will contain extensive networked information resources including a variety of audio- and visual- resources. No longer just a book repository, the media center operates as a gathering area, teaming space, and presentation production area.

Physical Education

To support the high school physical education program, a variety of indoor and outdoor areas are required. Indoor areas include a gymnasium, locker rooms, health classroom, fitness room, and storage areas. All high school students are involved in physical education, which requires an adequate number of teaching stations. Physical education facilities must be designed for community use during non-school hours. The gym should be able to seat the entire enrollment.

Working Draft

Cafeteria/Commons

This area is planned to have multiple functions, which include student dining, performances, assemblies, and community meetings. It is proposed through creative design and new technology that this area effectively houses multiple functions.

As a dining facility, it should serve 1/3 of the student population at tables and chairs. It is common for students to sit, mill, work on assignments, and socialize during lunch, so a combination of group seating, standing and milling areas is acceptable. Because the dining area adjacent to a courtyard, it is desirable for students to spill into an outdoor patio (partially or fully covered).

Most high schools are moving toward a 'food court' arrangement in the servery. The food service area will be designed in coordination with DCPS food services contractor.

Corridors

Corridors should be bright and pleasant. Avoid long hallways and single loaded corridors. Through the size and arrangement of corridors encourage low stress social interaction and convey a sense of unity and 'place'. Numerous display areas should show student art work, projects, awards and offer opportunities for impromptu learning. Security cameras should blend with informational displays and signage.

Video monitors could share information items, student art, and intra-school TV broadcasts.

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, and books as well as storage for supplies and materials. Work areas exist with direct access to copiers, multi-media equipment, and telephones. Teacher preparation areas should be located in close proximity to classrooms to permit, encourage, and enhance student and teacher interface. To the extent possible, movable furnishings will be used, rather than fixed casework, to provide flexibility for future reconfiguration.

Handicapped Accessibility

The entire facility will be accessible for students, staff, and visitors. This includes 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 way finding and signage, appropriate use of textures, and universal accessibility of all indoor and outdoor facilities.

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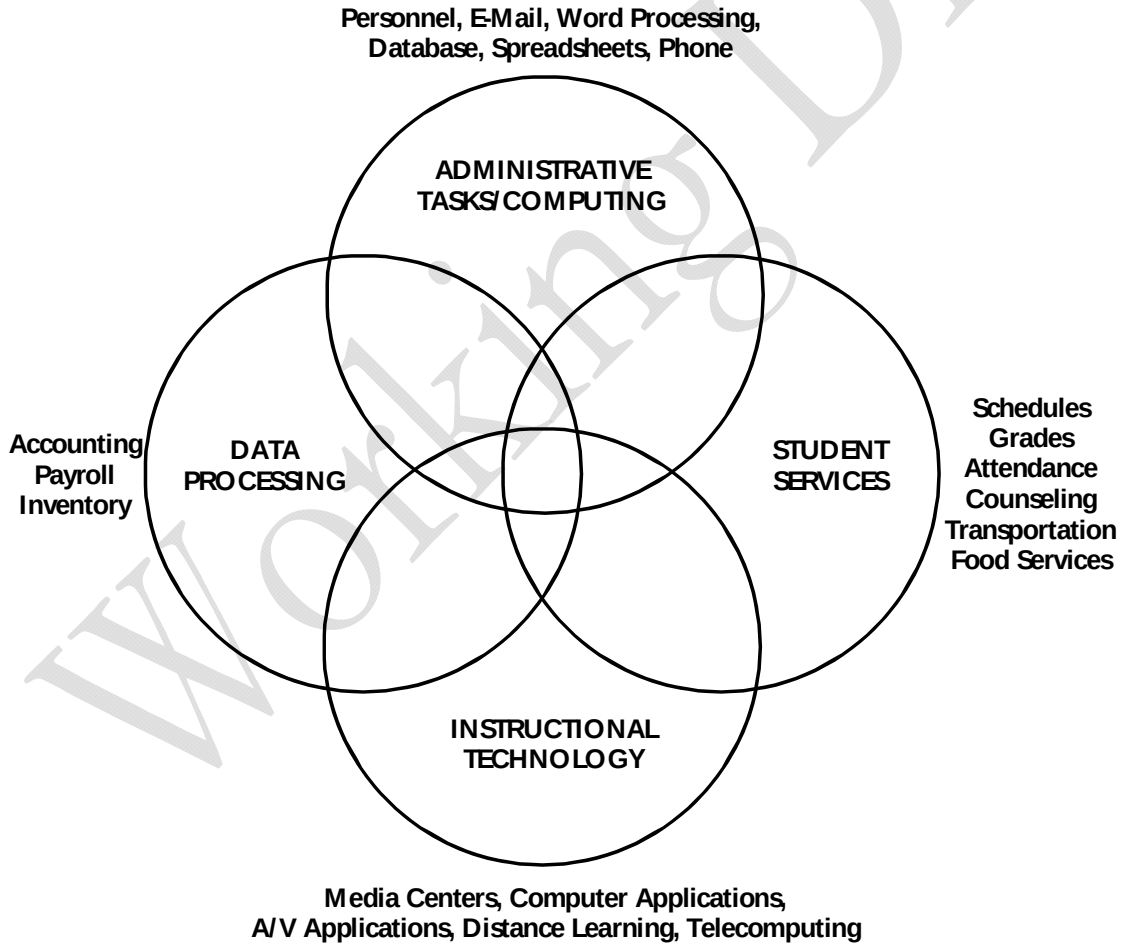
Technology

The implementation of a voice, data, and video telecommunications system throughout schools is fast becoming a standard across the country. Appropriate and strategically designed and installed technology will greatly enhance the teaching and learning of basic skills and position a school to take advantage of technological developments in the future. All classrooms should be multi-use/multi-purpose with invisible technological support. There should be a seamless web of technology to support the classroom management between administration, teachers, students, and the home.

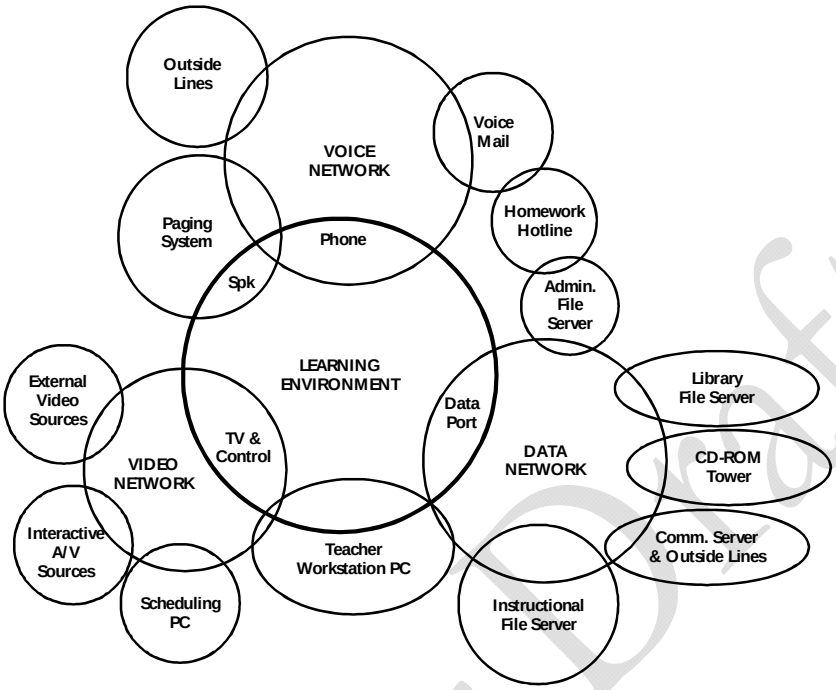
Current voice, data, and video systems can provide leadership, instruction, data management, and student services which go far beyond the systems that were constructed as recently as the late 1980's. As home and business worlds move into higher levels of technological applications, it is critical for schools to be able to integrate technology into the teaching and learning processes.

Technology has four primary applications within the school environment. These applications have the potential for a positive impact on every aspect of the educational processes found in schools. The following diagram provides a visual of how the four primary applications interface with each other and some examples of educational applications in each area.



Working Draft

The following graphic demonstrates several applications where technology is providing essential support.



Technology can support multiple instructional designs:

Whole Group Instruction (20-30 students)
This includes the use of overheads, VCRs, LCD displays, video stills, and various forms of computer display techniques.

Small Group Instruction (6-8 students)
This includes areas in the classroom and in shared common spaces where a teacher or another resource person can work with groups of 6-8 students. The technology is essentially the same as whole group instruction technology, the only difference being the size of the groups.

Individualized Instruction (1-2 students)
This is primarily a computer-based instruction design where students interact with a computer workstation. As all forms of technology become more and more digitized, it is envisioned that these will become multimedia workstations that integrate voice, video, and data formats.

In the future, it is likely that most end-user devised will be portable.

Technology in every classroom:

Voice: Telephone (IP) and voice communications in every classroom and throughout the entire building as well as to other persons in the school system and external resources including parents and community members.

Data: Data retrieval capabilities in every classroom and throughout the building as well as network capabilities district-wide and to other external databases. (wireless)

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Video: Video distribution in every classroom and throughout the building with interactive video capabilities to support whole and small group instruction, distance learning, and providing access to a wide range of internal and external resources. Appropriate school-wide infrastructure is needed.

Audio enhancement: Some spaces will need audio enhancement capability based on size, location or activity.

Teacher Equipment: Teachers should have a mobile 'multi-media work station' (computer, document reader, projection devise, printer, modem for wireless access to classroom computers).

Students Equipment: Some rooms will be designed predominantly for computer use. Others will be designed for multi-purpose activities and easy computer access. All classrooms will have wireless capability to allow for occasional lap top computer use.

Printing

DCPS is moving toward networked printing with the majority of computer printouts in centralized workrooms. Unless otherwise indicated all classrooms and offices will be networked as follows:

Central Workroom (print shop)
Academy Workrooms

Working Draft

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.

Organizing a building into teams results in a number of changes which will reduce behavior problems. Since the greatest number of discipline problems in a school occurs when students switch classes and have to travel from one end of the building to the other, having students spend the majority of their day in one section of the building, reducing movement, will result in fewer discipline problems.

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 are natural transitions from one location to another
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

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
Limit size of windows – use multiple smaller windows rather than one large window
Install non-slip floors at point of entry

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
Motion or infra-red detectors, which can also be configured to conserve lighting costs
Video cameras both inside and outside of the building
Key systems that track users

Vehicular and Pedestrian Traffic

Separate student (pedestrian) traffic flow

Landscaping, Play/Practice Fields, Site, and Lighting

Use high trees and low bushes (less than three feet high) to deter hiding
Use aesthetically pleasing fencing around perimeter of the building
Provide security lighting around building and parking lots with photocell timer with on/off
Locate athletic facilities away from building

Working Draft

Performance Criteria

All new and modernized schools will meet the following performance criteria for lighting, air quality, acoustics and Technology.

Lighting Quality: Improving natural and artificial lighting in classrooms

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

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

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

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

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

Working Draft

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

	DESIGN PARAMETERS	PARAMETER NOTES
1) Data / Computer Drops	At Teacher and Student Computers at wireless access points for mobile cart	
2) Audio / Video Equipment		
Projector linked to Teacher's PC		
Video Format Screen		
Interactive Whiteboard (as specified)		
Sound Enhancement	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		

Working Draft

Energy and Environmental Design

There is interest in using the LEED certified school building as a teaching tool to teach environmental stewardship and awareness, while simultaneously providing an engaging environment for students, staff, and community who use the facility. The organization, understanding and use of a building will have a major impact on student and staff conservation behavior.

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

Passive Concepts

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

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

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

4. **Vehicular and Pedestrian Traffic**
   - Provide sufficient, covered and secures 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

Working Draft

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 massage in selective areas, e.g. 100% recycled post consumer plastic toilet compartments, wheatboard cabinets, or furniture made of wood harvested from school site, and explain with signage.

3. Uses of Technology

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

4. Vehicular and Pedestrian Traffic

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

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

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

6. Green Curriculum

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

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Space Requirements Summary

Base Required Space	Teaching Stations	Square Footage
Core Academic/Science	32	43,210
Special Education	10	10,500
Media Center	0	4,550
Visual Arts	1	1,650
Performing Arts	2	12,820
ROTC	1	2,250
Family Support Center	1	3,070
PE/Health	3	24,850
Administration Services	0	5,305
Health Suite	0	1,893
Pathway Centers	0	5,650
Student Dining & Food Service	0	9,750
STAY Classrooms and Administration		7,550
Engineering & Custodial Services	0	2,200
Building Support Areas [corridors, bathrooms, storage, stairwells, elevators]		53,092
Total		**188,340**
Construction Factor		.095
Gross Total*		**204,447**

*Gross sq does not reflect stadium support facilities (if needed) nor any renovations to pool area (if needed). The scope may need to reflect minor repairs or renovation in these areas.

Site Requirements

Priority One	
Stadium Field	
Press Box [10 - 15 people in three sections]	600 SF
Concessions/Restrooms	900 SF
Exterior Grounds Equipment Storage [secure]	200 SF
Ticket Booth	60 SF
400 Meter Track - 200 Meter Straight	
Bleacher Seating as is	
Long Jump & Triple on one side, Pole Vault Pit, Shot Put	
Multi-purpose field for football, soccer and lacrosse (if feasible)	
Parking (100 staff and 16 visitor)	

Space Requirements Summary

Pool	**Teaching Stations**	**Square Footage 10,000 est. SF**
Pool (8 Lane 25 Yards)	1	As is
Support Space (office, mechanical, storage)	0	As is
Lockers/showers	0	As is

Working Draft

Core Academic Area Space Requirements

Space	Design Guideline			Comments
	Qty.	S.F.	Total	
Academic Classroom	22	800-850	17,600	
Online Learning/Distance Learning Center	2-3	varies	2,000	
Science Lab (wet) Science classrooms	3 5	800 800	6,400	Labs flanked by classrooms
Science Prep	3	200	600	
Chemical/ department storage	1	varies	100	
Greenhouse	1	400	400	
Physics Lab	1	1300	1300	
Independent study resource areas	3	800	2,400	1) In media center 2) Near cafeteria 3) In 9th grade academy
CTE Labs • Culinary Arts • Hospitality and tourism • Finance	 1 2	 6,000 900	7,800	
Alternative education classroom	1	600	600	
Academy Support Suite				Three grade level academies, ELL
Staff Offices	4	120	480	
Teacher Workroom/meeting rm.	4	400	1600	
Storage	4	varies	800	Department (English, math, SS, ELL)
Book Storage	2	300/500	800	
Central workroom	1	500	500	
Total			42,780	

Specialty Rooms				**Comments**
	Qty.	**S.F.**	**Total**	
School Store	1	230	230	
Student Government Office	1	200	200	
Total			430	

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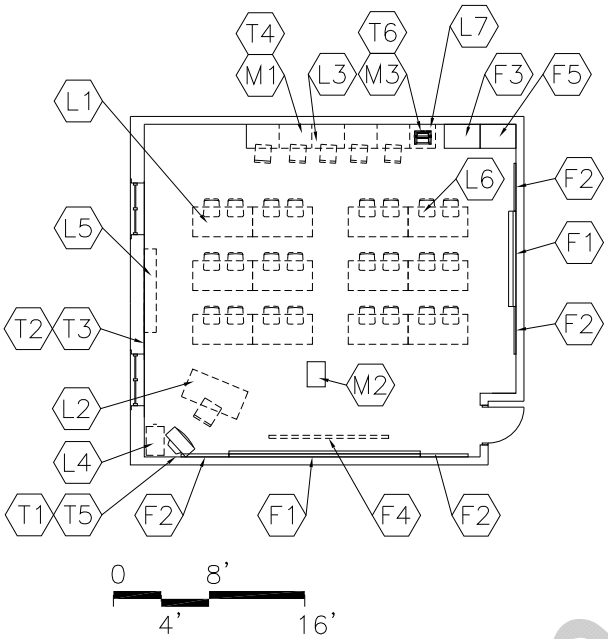
CORE ACADEMIC CLASSROOM (Includes Hospitality and Finance Classrooms) H-AC-1



CAPACITY:
- 21-28 students
- 1 staff member
- Guest speakers and volunteers

SIZE:
- 800-900 SF

Note: Larger classrooms may have the following additional spaces:

Foreign Language: 8 computer stations with 'sound attenuating workstations'

GOAL:
- To provide flexible space to accommodate any of the core academic disciplines

PROGRAM ACTIVITIES:
- Large group, small group, and hands-on activities and instruction
- Oral presentations
- Computerized instruction
- Team teaching

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
- Comfortable rooms with pleasant décor that contribute to an atmosphere conducive to creativity
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Window treatment to darken room for AV presentations
- Plan for two teaching walls 1) White board 2) interactive board

Working Draft

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

CORE ACADEMIC CLASSROOM H-AC-1

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling: (9' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123

Loose Furnishings:

L1	21-28 Student tables/chairs
L2	One - two teacher desks and chair
L3	3-5 Computer workstation furniture
L4	1, four-drawer locking file cabinet
L5	Adjustable height bookshelves (24 LF)
L6	Additional student tables/chairs
	Wastebasket

Features:

Fixed Equipment:		
F1	Marker boards (24 LF)	101100
F2	Tack boards (16-24 LF)	101100
	Tack strip	
F3	Casework:	123200
	Tall cabinets	
F4	Manual projection screen	115213
F5	Casework:	123200
	Wardrobe	

	Spec. Ref.#
Fire Suppression:	
Fire suppression system	Div. 21

HVAC: Div. 23
- Supply/return air system
- Independent temperature control

Electrical: Div. 26
- Fluorescent lighting
  - Illumination level: See Table 7600-16
- Multilevel switching
- Duplex receptacles
  - 3 per primary teaching wall
  - At least 2 per other walls
- TVSS protected quad receptacle adjacent to data and video ports
- Central sound system
- Clock

Communications: Div. 27

Single point 'face plate' near teachers work station to include:
- Voice, data, VGA , audio enhancement, and HDMI

Additional ports:
- Printer
- Cable/MATV port
- 5 data ports for student use
- Ceiling mounted LCD projector
- Clock/PA
- 2 wireless

Electronic Safety and Security: Div. 28
- Life safety devices per code

Miscellaneous:

M1	Multi-media cart
M2	Printer
M3	3-5 computers for student use
M4	Laptop computer for teacher use
	Document camera
Audio enhancement equipment	

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

Working Draft

SCIENCE WET LAB/CLASSROOMS

No Picture

CAPACITY:
- 21-28 students
- Teachers
- Staff

SIZE:
- 800 Wet labs SF
- 800 SF classrooms (2 per lab)

ANCILLARY SPACES:
- Science Prep

SPATIAL RELATIONSHIPS:
- Lab stations may be peripheral or islands
- Three Generic labs (green house near)
- Two chemistry lab
- One physics lab

GOALS:
- Flexible space and layout to support delivery of entire science curriculum
- To help students become critical thinkers, problem solvers, and lifelong learners
- To help students become aware of the physical and biological world

PROGRAM ACTIVITIES:
- Large and small group instruction
- Experimentation and hands-on activities
- Data collection and analysis
- Computer simulations and instruction

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting multilevel controls
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
  - Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- Window treatment to darken room for AV
- Adequate ventilation

BUILT-IN EQUIPMENT – Biology Labs:
- A demonstration table (30" X 5 ft.) with a top of black epoxy resin.
- Technology, marker boards and screens same as regular classroom
- An ultrasonic goggle sterilizer
- Six (6) lab stations - Each lab station will have epoxy resin counter tops with two (2) GFI equipped electrical outlets and two data ports. Each lab station will accommodate four (4) students.
- Labs must be free of barriers that would prevent access by the handicapped. Science laboratories shall have a minimum of at least one worktop set at a height to serve the physically handicapped.
- The lab shall be equipped with a fire extinguisher (ABC type), first aid kit, a shower/eye wash stations and a fire blanket.

BUILT-IN EQUIPMENT – Physics:
- A demonstration table (30" X 5 ft.) with a top of black epoxy resin.
- Technology, marker boards and screens same as regular classroom
- This lab will have six (6) lab stations with large open workspaces, allowing for four-student teams. Each lab station will have epoxy resin counter tops, GFI equipped electrical outlets, and 2 data ports for a portable computer/devise. These are dry stations. The arrangement will allow the instructor a clear view of all student lab stations.
- No storage cabinets will be built over counters.
- Science laboratories shall have a minimum of at least one worktop set at a height to serve the physically handicapped.
- The lab shall be equipped with a fire extinguisher (ABC type), first aid kit, a shower/eye wash stations and a fire blanket.
- A lab preparation workspace shall be located along one wall. This workspace shall be approximately 6 ft. long with 2 sinks and cabinets above and below.

Working Draft

BUILT-IN EQUIPMENT – Chemistry:

- A demonstration table (30" X 5 ft.) with a top of black epoxy resin.
- Technology, marker boards and screens same as regular classroom
- An ultrasonic goggle sterilizer
- Six (6) lab stations - Each lab station will have epoxy resin counter tops with a trough sink, faucet, gas jet and GFI equipped electrical outlets. The water and gas shall be at table level. The trough sink area shall be without an elevated shelf and include a cover. This arrangement will allow the instructor a clear view of all student lab stations. Each lab station will accommodate 4 students.
- Storage cabinet with glass doors will be built over counters.
- A fume hood (nominal 30" x 60" footprint) shall be provided in the lab. Make-up air shall be provided to compensate for the fume hood exhaust.
- Labs must be free of barriers that would prevent access by the handicapped. Science laboratories shall have a minimum of at least one worktop set at a height to serve the physically handicapped.
- The lab shall be equipped with a fire extinguisher (ABC type), first aid kit, a shower/eye wash stations and a fire blanket.

BUILT-IN EQUIPMENT – Classrooms:

F1	Mobile teacher demonstration table with utilities	
F2	Marker board (8-16 LF)	101100
F4	Tack board (8-16 LF)	101100
F5	Manual projection screen	115213
F6	Soap dispenser	102800
F7	Towel dispenser	102800
F8	Casework:	
	Wardrobe	123200

Regular classroom furniture

Communications for Lab and classrooms

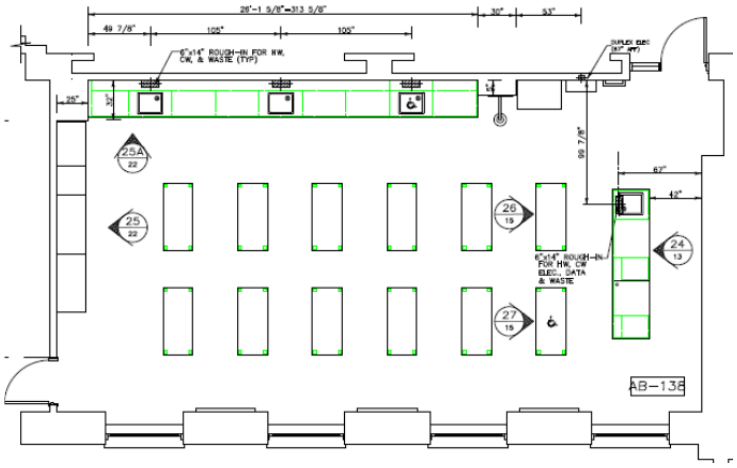
Single point 'face plate' near teachers work station to include:

Voice, data, VGA , audio enhancement, and HDMI

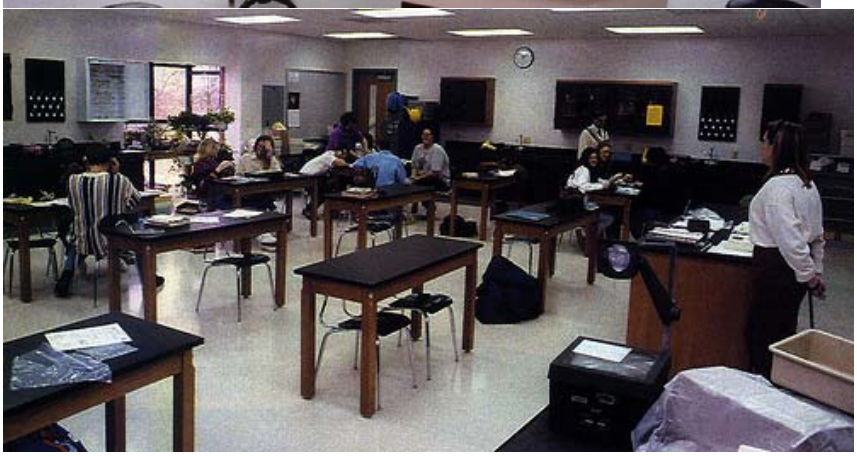
Additional ports:

Printer (classrooms)
Cable/MATV port (classrooms)
5 data ports for student use (classrooms)
Ceiling mounted LCD projector
Clock/PA
2 wireless

Working Draft



Labs



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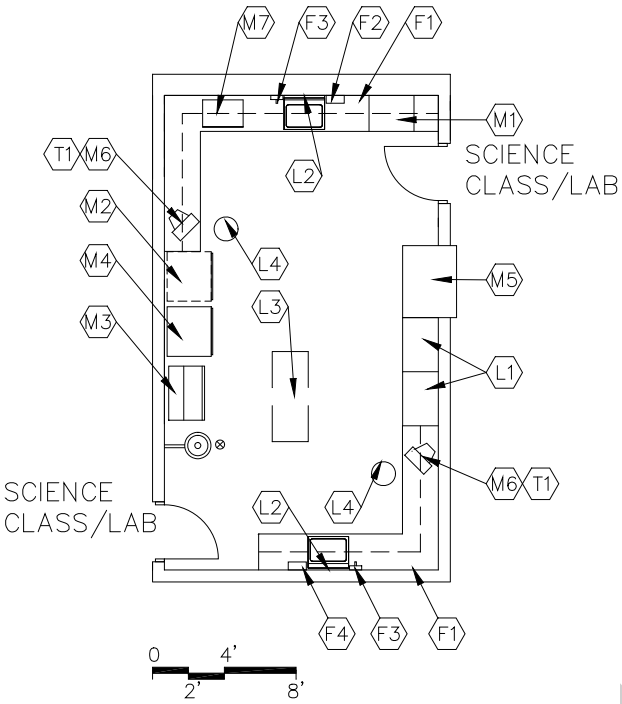
SCIENCE PREP ROOM



CAPACITY:
- 1 or 2 staff members
- Student assistants

ANCILLARY SPACES:
- Science Classroom/Lab

GOAL:
- To allow for lab preparation

PROGRAM ACTIVITIES:
- General lab preparation
- Store equipment
- Set up experiments

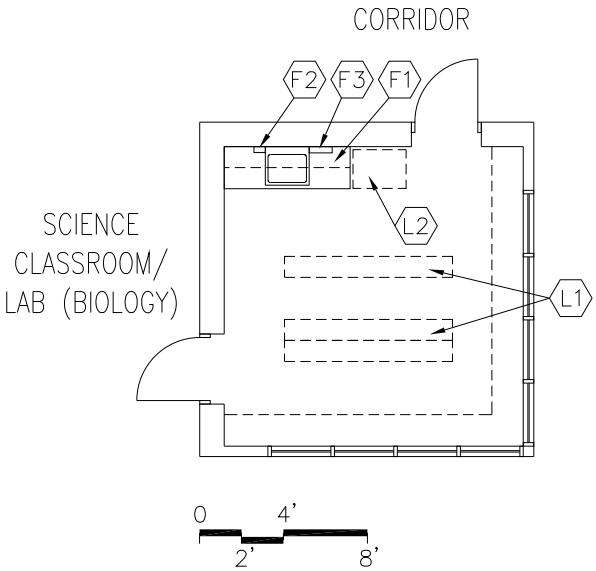
SPATIAL RELATIONSHIPS:
- Adjacent and access to two Science Classrooms/Labs
- Near Teacher Center/ Workroom

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall Minimum: STC 45
  Ceiling Minimum: CAC 35
- Adequate ventilation/exhaust
- Electrical outlets for equipment
- Duplex electrical outlets in raceway above countertop

BUILT-IN EQUIPMENT
- All counter tops in the storage/ prep room shall be black epoxy resin.
- A lab preparation workspace shall be located along one wall of the storage/ prep room. This workspace shall be approximately 4 ft. wide and 15 ft. long.
- The lab preparation workspace requires a large sink with disposal unit and hot and cold-water faucets, a refrigerator and cabinets above and below (some lockable for microscopes)
- The rest of the prep area will include shelving and cabinets
- The prep rooms shall be equipped with a fire extinguisher (ABC type).
- The chemistry prep room will have a dishwasher for glassware, a water distillation unit that is permanently mounted with plumbing and electrical hook up and a drying oven, centrifuge and autoclave

Working Draft

GREENHOUSE **H-AC-8**



CAPACITY:
- Staff
- Students

ANCILLARY SPACES:
- Science Classroom/Lab (H-ACA-5)

GOAL:
- To provide an area for students to conduct biology and botany activities

PROGRAM ACTIVITIES:
- Biology
- Botany
- Horticulture
- Environmental source

SPATIAL RELATIONSHIPS:
- Adjacent and access to Science Classrooms/Labs (biology/botany)
- Access to corridor

ENVIRONMENTAL CONSIDERATIONS:
- Lighting to support plant growth
- Moisture and stain-resistant finishes
- Adequate ventilation/exhaust
- Electrical outlets for equipment

Finishes[1]:	Spec. Ref.#
Flooring:	
Earth/pavers	033000
Base:	
Resilient base	096519
Ceiling:	
Glazed structure	133413
Walls:	
Glazed structure	133413

Loose Furnishings:
L1 Plant shelving
L2 Chemical storage cabinet

Fixed Equipment:		
F1	Casework:	
	Base/wall cabinets	123200
F2	Soap dispenser	102800
F3	Towel dispenser	102800

Plumbing: Div. 22
Plumbing connections
Floor drain
Sink
Hose bib

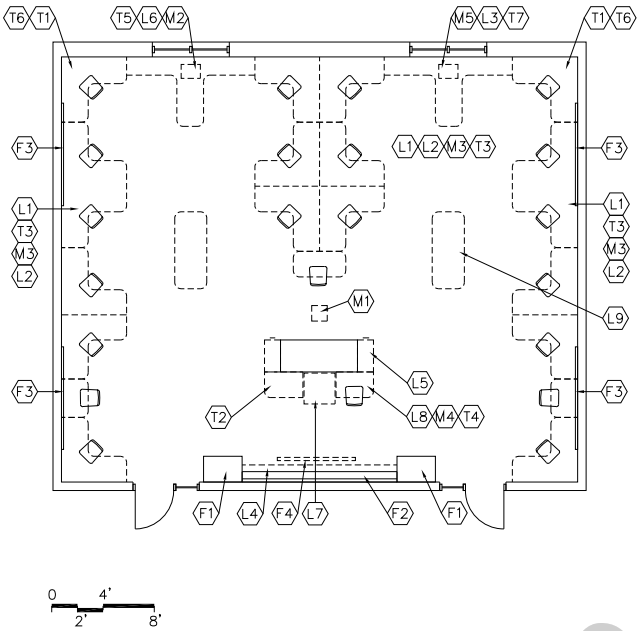
HVAC: Div. 23
Supply air system
Independent temperature control
Thermostatically controlled exhaust

Electrical: Div. 26
Single level switching
Fluorescent lighting: Illumination level: See Table 7600-16
Duplex receptacles

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

Working Draft

TECHNOLOGY/DISTANCE LEARNING



A technology center should be located centrally and include three activity areas that can be one open space with one supervision point or three separate areas - In total there should be 60 computers and an area for distance learning

CAPACITY:

- 20-30 students each
- Staff member
- Guest speakers/volunteers

GOALS:

- To provide students with a diversified approach to uses of technology and technology education in which students will work individually and in teams
- Emphasis on problem solving, technology literacy, and communication skills
- Independent study

PROGRAM ACTIVITIES:

- Large and small group instruction
- Hands-on activities
- Oral presentation
- Team teaching
- Computerized instruction

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting with multilevel controls
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
  - Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- Comfortable rooms with pleasant décor that contributes to an atmosphere conducive to creativity
- Windows desirable, provide treatment to darken if windows are provided

TECHNOLOGY

- Provide a permanent 'teacher's center' with effective viewing and listening from all areas of the classroom; Assume a multi-media station with document reader.
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- Interactive white boards

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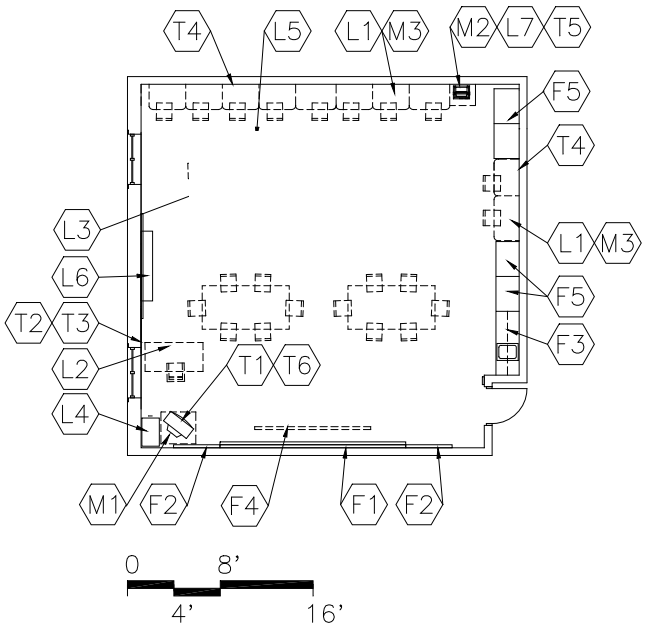
INDEPENDENT STUDY RESOURCE LAB



CAPACITY:
- Up to 24 students
- 1 staff member
- Guest speakers

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

GOAL:
- To provide flexible space as a resource area for interdisciplinary activities, independent study and resting

PROGRAM ACTIVITIES:
- Small group instruction
- Computerized instruction
- Tutoring
- Special testing

SPATIAL RELATIONSHIPS:
- Near Cafeteria
- Near 9th grade academy
- In Media Center

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
- Comfortable rooms with pleasant décor that contribute to an atmosphere of quiet study
- Window treatment to darken room for AV presentation

Working Draft

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

INDEPENDENT STUDY RESOURCE LAB

Finishes[1]:	Spec. Ref.#
Flooring:	
Vinyl composition tile	096519
Base:	
Resilient base	096519
Ceiling: (9' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123

Loose Furnishings:

L1 10-15 computer workstations
L2 Teacher desk and chair
L3 4 square tables
L4 1, 4-drawer file cabinet
L5 24-30 chairs (some soft seating in the media center)
L6 Adjustable height bookshelves (24 LF)
L7 Printer table
Wastebasket

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Marker board (16 LF)	101100
F2 Tack board (8-16 LF)	101100
F3 Casework:	
Base/wall cabinets	123200
F4 Manual projection screen	115213
F5 Casework:	
Tall lockable cabinets	123200

	Spec. Ref.#
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Single, deep sink	
Plumbing connections	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Fluorescent lighting	
Illumination level: See table 7600-16	
Multilevel switching	
Duplex receptacles	
3 per wall	
TVSS protected quad receptacle adjacent to data and video ports	
Central sound system	
Clock	
Communications:	Div. 27
Single point 'face plate' near teachers work station to include:	
Voice, data, VGA , audio enhancement, and HDMI	
Additional ports:	
Printer	
Cable/MATV port	
15 data ports for student use	
Ceiling mounted LCD projector	
Clock/PA	
2 wireless	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
M1 Multimedia cart with overhead projector, computer projector, and teacher's multimedia computer	Div. 27
M2 1 printer	
M3 10 computers for student use	
Audio enhancement equipment	

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

Working Draft

CTE Culinary Arts

Spaces	Description	Proposed Sq. Ft. Per Unit	Proposed Sq. Ft. Total
	Culinary Operations		
1	Culinary Operations Lab to include the following:		3,500
1	Review current equipment and evaluate layout		
1	in light of the teaching nature of the		
1	facility – consult staff		
1	Classroom/Dining		2,500
	Subtotal		**6,000**

Culinary Operations

Culinary Laboratory

This program should be more centrally located to the day school and accessible after hours for the STAY program. The dining/classrooms should allow for multiple uses.

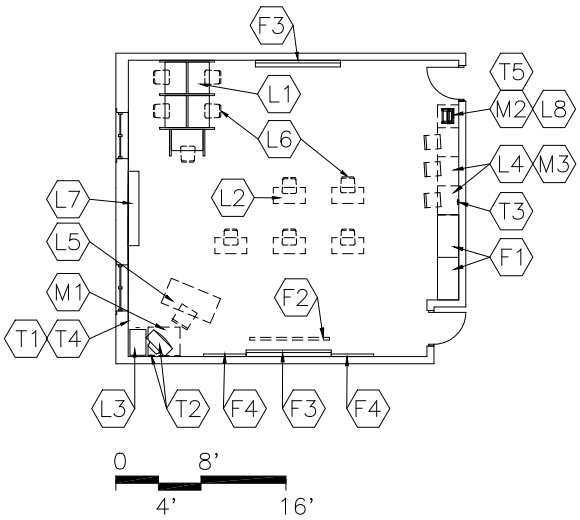
The existing equipment is in good condition and should be reviewed and refurbished as needed.

In the classroom provide full-size cabinets with adjustable shelves, lockable for linen and dinnerware.

No. of Items	Contract Provided	FF&E	Description
10		X	Dining Tables (6 tops)
60		X	Chairs
1		X	Computer for teacher
1	X		Tack Board, 4' x 4'
1	X		80"w x 60"h Video Format Screen
1	X		Clock
1	X		Multimedia cabinet/cart
1		X	DVD/VCR combo
1	X	X	Wireless LCD Projector
1	X	X	Sound Field Enhancement

Working Draft

ALTERNATIVE ATTENDANCE CENTER



CAPACITY:
- 1 staff member
- Up to 10 students

SIZE:
- Varies

ANCILLARY SPACES:
N/A

GOAL:
- To provide flexible space to accommodate students who temporarily need a learning environment outside the regular classroom

PROGRAM ACTIVITIES:
- Individual class work

SPATIAL RELATIONSHIPS:
- Near Administrator's office
- Near Security Office

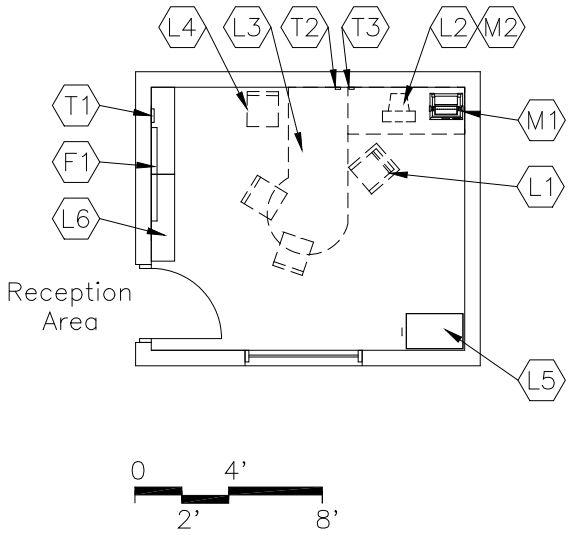
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Windows to provide natural light and egress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

TECHNOLOGY AND BUILT-IN EQUIPMENT

- Same as regular classrooms

Working Draft

STUDENT SUPPORT PERSONNEL OFFICES H-AC-15



CAPACITY:
- Instructional personnel in ESL and reading
- Psychologists
- Social workers
- Counselors

SIZE:
- 150 SF

ANCILLARY SPACES:
- Workroom/Copy Center (H-AC-12)

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

SPATIAL RELATIONSHIPS:
- Within the Core academic Suite
- Adjacent and access to Reception Area

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

Working Draft

NOTES:

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

STUDENT SUPPORT PERSONNEL OFFICES
H-AC-15

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted gypsum wallboard over metal studs	092116 / 099123

Loose Furnishings:

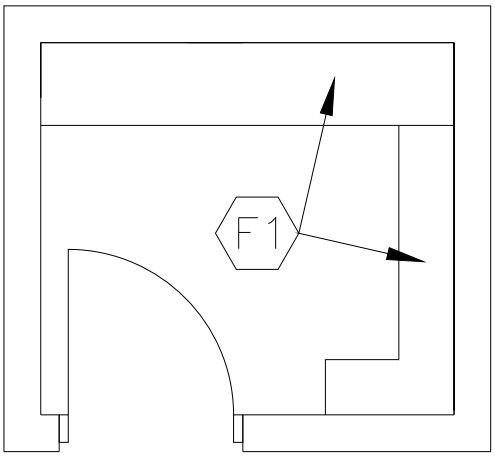
L1	Ergonomic task chair
L2	Computer workstation
L3	Desk
L4	Guest chair
L5	4-drawer locking file cabinet
L6	Adjustable height bookshelves (12 LF)
	Wastebasket

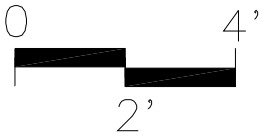
Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Tack board (4 LF)	101100
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Fluorescent lighting:	
Illumination level: See Table 7600-16	
Multilevel switching	
Duplex receptacles	
TVSS protected quad receptacles adjacent to each data and video port	
Central sound system	
Clock	
Communications[2]:	Div. 27
T1 1 cable/MATV port	
T2 1 voice port and phone	
T3 1 data port at workstation	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
M1 Printer	
M2 Computer	

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

Working Draft

STORAGE





CAPACITY:
- Staff

SIZE:
- Varies, see table

GOAL:
- To provide a place for storage of supplies and equipment for departments (English, math, social studies and world languages)

PROGRAM ACTIVITIES:
- Storing equipment and supplies

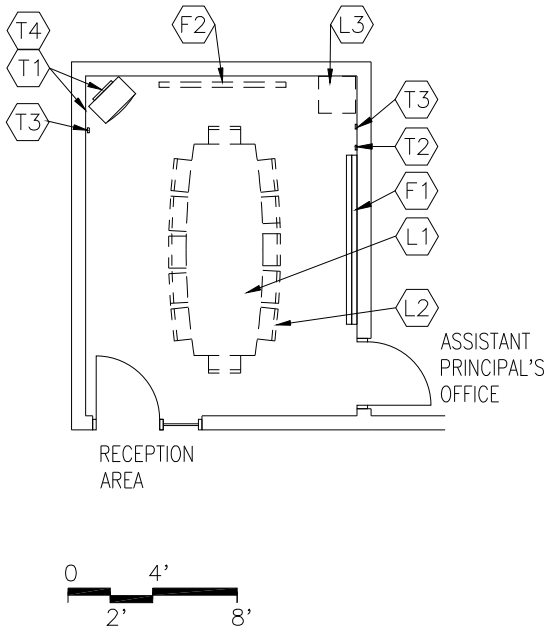
SPATIAL RELATIONSHIPS:
- Adjacent and access to Workroom

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation
- Security of equipment and supplies

Note: Some lockable storage should be located in the 10th grade academy for the mandatory test supplies. See staff for exact location and size.

Working Draft

CONFERENCE ROOM



CAPACITY:
- Staff
- Parents
- Students
- Visitors

SIZE:
- Varies, see table
-

GOAL:
- To provide a place for administrative conferences or meetings

PROGRAM ACTIVITIES:
- Conferencing with staff, students, parents, and visitors

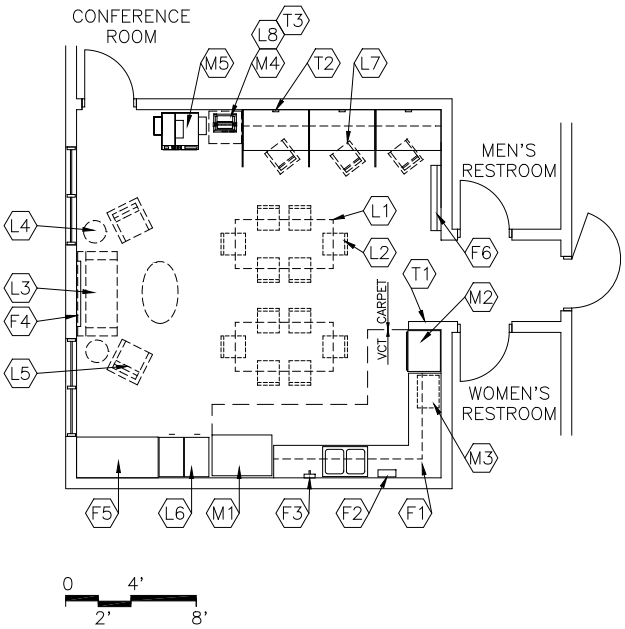
SPATIAL RELATIONSHIPS:
- Adjacent and access to Workroom

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Auditory privacy
- Windows to provide natural light, desirable
- Window treatment to darken room for AV presentation

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- Design for computer aided presentations (electrical outlets from table for projection device, screen along short wall, light darkening capability)

Working Draft

TEACHERS' WORKROOM



CAPACITY:
- 16 teachers

SIZE:
- 400 SQ FT

ANCILLARY SPACES:
- Teacher's Conference Room

GOAL:
- To provide space for teachers to carry out their administrative duties, prepare materials for class, access the Internet, lock up personal items, and to socialize and relax.

Note: Networked printers will be located in the workrooms.

PROGRAM ACTIVITIES:
- Store files
- Grade papers
- Enter and access data
- Prepare lessons using computer, video, and other resources.
- Phone calls
- Eating lunch, socialize and relax

SPATIAL RELATIONSHIPS:
- Located within Core Academic Areas
- Located near individual restrooms
- Adjacent and access to Conference Room
- Access from Corridor
- Interior area assumes four activities:
  - Relaxation (soft seating)
  - Individual prep (cubicles with computer support)
  - Tables for team meetings
  - Counter with sink and small refrigerator

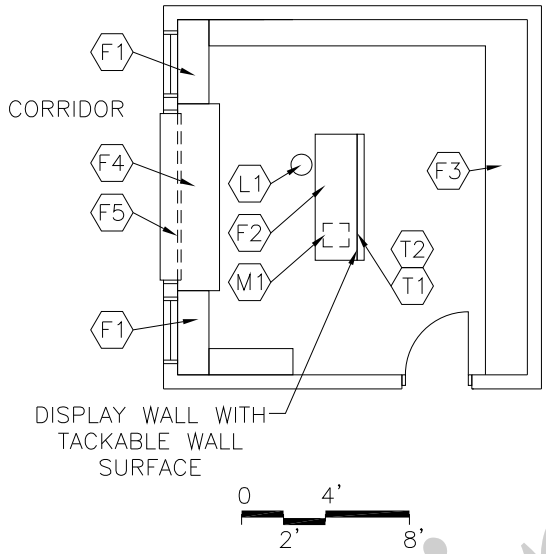
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting with multilevel controls
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light (if feasible)

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- This room should support laptop computers

BUILT-IN EQUIPMENT:
- Marker Boards (4 ft. X 4 ft.)
- A bulletin board (4 ft. X 4 ft.) should be provided if feasible.
- Kitchenette (double sink, cabinets above and below, outlets along counter, refrigerator)
- Counter top for sorting and cutting
- Clock

Working Draft

SCHOOL STORE — H-AC-26



CAPACITY:
- 1 staff member
- 5-10 students

GOALS:
- To provide an opportunity for students, staff, and visitors to purchase school logo items and school supplies
- To provide a market for student-created items

PROGRAM ACTIVITIES:
- Ordering an inventory management
- Pricing and marking
- Marketing – including advertising, display, and sales

SPATIAL RELATIONSHIPS:
- Near Gymnasium
- Near Student Dining

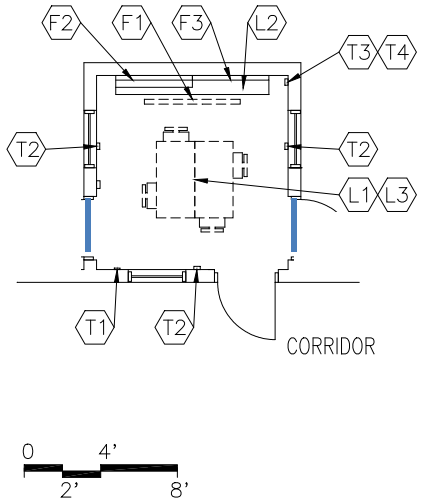
ENVIRONMENTAL CONSIDERATIONS:
- Adequate lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Floor layout should allow for effective processing of a large number of student requests for textbooks and supplies
- Space should be flexible for reconfiguration and dynamic for effective merchandising
- Accent lighting for merchandise displays
- Electrical outlets for equipment.

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Casework: Display cases for merchandise	123200
F2	Casework: Cash register stand	123200
F3	Casework: Locking cabinets for merchandise	123200
F4	Casework: Countertop with base cabinets below	123200
F5	Coiling counter door	083300

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

Working Draft

STUDENT GOVERNMENT OFFICE — H-AC-4



CAPACITY:
- 8-10 persons

SIZE:
- 200 SF

GOALS:
- To provide a space for students to meet and plan activities and store materials

PROGRAM ACTIVITIES:
- Students working on projects
- Small group activities

SPATIAL RELATIONSHIPS:
- Locate centrally for good visual supervision
- Off main street

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Visual access to Corridor

Loose Furnishings:

L1	2 Tables
L2	Adjustable height bookshelves (12 LF)
L3	10 Chairs
	Wastebasket

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Manual projection screen	115213
F2	Marker board (4 LF)	101100
F3	Tack board (4 LF)	101100

HVAC: Div. 23
- Supply/return air system
- Independent temperature control

Electrical: Div. 26
- Fluorescent lighting:
  - Illumination level: See Table 7600-16
- Duplex receptacles
- TVSS protected quad receptacle adjacent to each data and video ports
- Central sound system
- Clock

Communications[2]: Div. 27

T1	1 voice port and telephone
T2	3 data ports for student use
T3	1 video port
T4	1 cable/MATV port
T5	Video port, monitor, VCR, and brackets

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

Working Draft

Special Education Space Requirements

Space		Design Guideline		Comments
	Qty.	S.F.	Total	
Learning Center Classrooms	5	800	3,200	
Special Education Resource rooms	2	400	800	
Special Education Support/Suite			0	Centrally located
Workroom	1	150	150	
Office	5	150	750	
Conference room	1	250	250	
Testing/Speech	1	200	200	
Autism Classrooms	2	900	1,800	Includes toilet
Life Skills Lab	1	400	400	
OT/PT	1	200	200	
RISE			0	
Classrooms	2	800	1,600	
Quiet Room	1	200	200	
Support/Suite			0	
Office	2	150	300	
Small group room	1	200	200	
Total			10,050	

Learning Center classrooms are designed and equipped like core academic classrooms.

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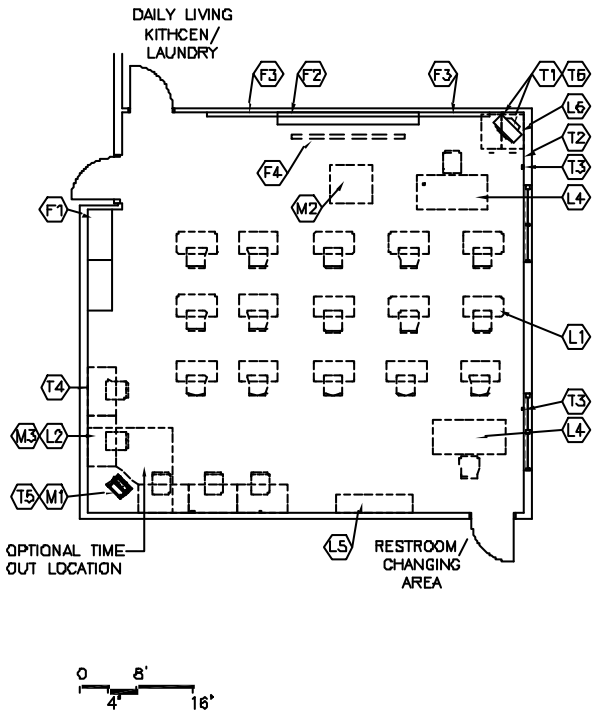

CAPACITY:
- 2 or more staff
- 10 to15 students

SIZE:
- 800 SF

GOAL:
- To provide a safe, accessible, and comfortable learning environment for students who are mentally, emotionally, behaviorally or physically challenged

PROGRAM ACTIVITIES:
- Small group work
- Independent work
- Individual instruction

SPATIAL RELATIONSHIPS:
- Located on the ground floor for emergency evacuations
- Accessible ingress/egress to the building and classroom

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
- Comfortable rooms with pleasant décor that contribute to an atmosphere conducive to creativity
- Positive acoustics for easier listening when conversing
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Window treatment to darken room for AV presentations

Working Draft

NOTES:

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

LEARNING CENTER CLASSROOM

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling: (9' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
- L1 15 Student desks/tables
- L2 3-5 Computer workstations
- L4 2 teacher desk and chair
- L5 Adjustable height bookshelves (24 LF)
- L6 2, 4-drawer file cabinets
  Wastebasket

Communications[2]: Div. 27
- T1 1 video port, monitor, VCR, and brackets
- T2 1 voice port and phone
- T3 1 data port near each teacher workstation
- T4 5 data ports (minimum) for student use
- T5 1 data port for printer
- T6 Cable/MATV port

Miscellaneous:
- M2 Multimedia cart
- M3 3-5 computers for student use

Features[1]:	Ref.#	Spec.
Fixed Equipment:		
F1 Casework:		
Tall cabinets		123200
F2 Marker board (16 LF)		101100
F3 Tack board (8 LF)		101100
F4 Manual projection screen		115213

Fire Suppression: Div. 21
Fire suppression system

Plumbing:
N/A

HVAC: Div. 23
Supply/return air system
Independent temperature control

Electrical: Div. 26
Fluorescent lighting
Illumination level: See Table 7600-16
Multilevel switching
Duplex receptacles
TVSS protected quad receptacle adjacent to each data and video ports
Central sound system
Clock

Electronic Safety and Security: Div. 28
Life safety devices per code

NOTES:

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

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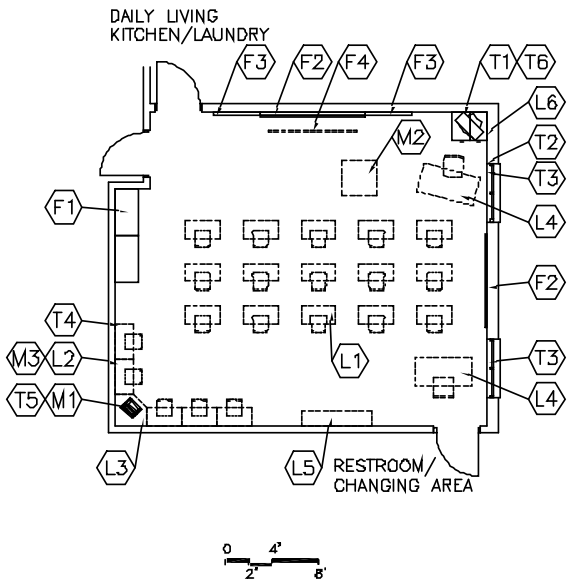


CAPACITY:
- 2 or more staff
- 10 to15 students

SIZE:
- 800-900 SF

ANCILLARY SPACES:
- Restroom (H-AC-20)

The RISE program should be located in a quiet area of the building

GOAL:
- To provide a safe, accessible, and comfortable learning environment for students who are mentally, emotionally, behaviorally or physically challenged

PROGRAM ACTIVITIES:
- Small group work
- Independent work
- Individual instruction

SPATIAL RELATIONSHIPS:
- Near bus loading and unloading
- Accessible ingress/egress to the building and classroom
- Adjacent and access to Restroom
- Adjacent and access to Daily Living Kitchen Laundry (H-AC-19)
- Located and integrated within the Academic Core Areas

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
- Comfortable rooms with pleasant décor that contribute to an atmosphere conducive to creativity
- Positive acoustics for easier listening when conversing
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Window treatment to darken room for AV presentations

<u>NOTES</u>:

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

Working Draft

SELF-CONTAINED CLASSROOM

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling: (9' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123

Loose Furnishings:
L1 10-15 Student desks/tables
L2 3-5 Computer workstations
L3 Printer table
L4 2 Teacher desks and chairs
L5 Adjustable height bookshelves (24 LF)
L6 2, four-drawer file cabinets
Wastebasket

Communications[2]: Div. 27
T1 1 video port, monitor, VCR, and brackets
T2 1 voice port and phone 17160
T3 1 data port near each teacher workstation
T4 3-5 data ports for student use
T5 1 data for printer
T6 Cable/MATV port
Electronic white board

Miscellaneous:
M1 Printer
M2 Multimedia cart with overhead projector, computer projector, and multimedia teacher computer
M3 5 computers for student use
Audio enhancement equipment

Features[1]:	Ref.#	Spec.
Fixed Equipment:		
F1 Casework:		
Tall cabinets		123200
F2 Marker board (16 LF)		101100
F3 Tack board (16 LF minimum)		101100
F4 Manual projection screen		115213

Fire Suppression: Div. 21
Fire suppression system

Plumbing: Div. 22
Toilet and sink (autism rooms)

HVAC: Div. 23
Supply/return air system
Independent temperature control

Electrical: Div. 26
Fluorescent lighting
Illumination level: See Table 7600-16
Multilevel switching
3 Duplex receptacles per wall
TVSS protected quad receptacle adjacent to each data and video ports
Central sound system
Clock

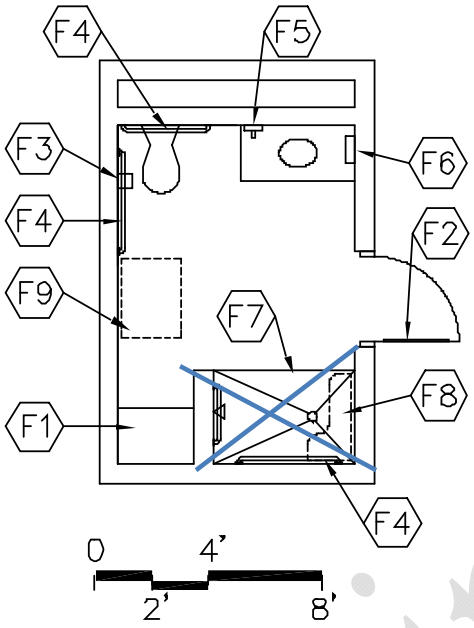
Electronic Safety and Security: Div. 28
Life safety devices per code

NOTES:

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

Working Draft

RESTROOM w/o CHANGING AREA (Autism)
H-AC-20



CAPACITY:
- Students
- Staff

SIZE:
- 100 SF

ANCILLARY SPACES:
- Self-Contained Classroom (H-AC-19)

GOALS:
- To provide a safe, clean, and private toilet
- To provide an area for clothes changing

PROGRAM ACTIVITIES:
- Independent and assisted toileting
- Independent and assisted clothes changing
- Hand washing

SPATIAL RELATIONSHIPS:
- Adjacent and access to Self-Contained Classroom

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Moisture and stain-resistant finishes
- Special consideration for wheelchair access and physical accessibility needs (ADA)
- Improved exhaust capabilities
- Equipped with CIC (Clean Intermittent Catheterization)

Working Draft

NOTES:

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

RESTROOM WITHOUT CHANGING AREA

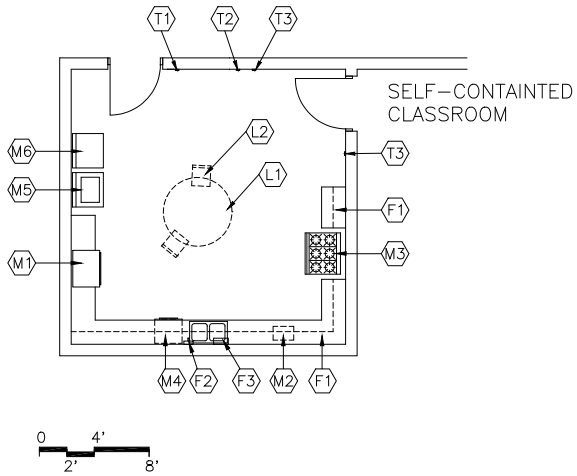
Finishes[1]:	Spec. Ref.#
Flooring:	
Ceramic tile	093000
Base:	
Ceramic mosaic tile base	093013
Ceiling:	
Restroom: Suspended, acoustical	095113
Shower: Painted portland cement plaster	092400 / 099123
Walls:	
Restroom: Epoxy painted concrete masonry units	042000 / 099123
Shower: Ceramic tile	093013
Loose Furnishings:	
Wastebasket	

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Tall cabinet	123200
F2 24" x 60" mirror	102800
F3 Toilet tissue holder	102800
F4 36" and 42" grab bars	102800
F5 Soap dispenser	102800
F6 Towel dispenser	102800
F7 Shower curtain and rod	102800
F8 Fold-down seat in shower	102800
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Wall-mounted water closet	
Wall-mounted lavatory	
ADA shower controls and head	
Floor drains for shower and restroom	
Plumbing connections	
HVAC:	Div. 23
Exhaust air system	
Supplemental heat as required	
Electrical:	Div. 26
Single-level switching	
Fluorescent lighting	
Illumination level: See Table 7600-16	
Duplex receptacle	
Central sound system	
Communications:	
N/A	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
N/A	

NOTES:

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

Working Draft



CAPACITY:
- Faculty and staff
- 4-8 students

SIZE:
- 400 SF

ANCILLARY SPACES:
- Self-Contained Classroom (H-AC-19)

GOAL:
- To provide a space for a life skills instructional area shared by students receiving mentally/developmentally handicapped special education services
- To help students learn practical/hands-on social skills and daily living skills
- To provide a handicapped-accessible area for washing and drying garments

PROGRAM ACTIVITIES:
- Food preparation and clean up
- Washing and drying garments
- Bed making

SPATIAL RELATIONSHIPS:
- Between autism classrooms
- Accessible from main corridor

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Proper ventilation to remove cooking odors
- Cleanable building surfaces
- All equipment and casework should be handicap accessible
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light, desirable

Working Draft

DAILY LIVING KITCHEN

Finishes[1]:	Spec. Ref.#
Flooring:	
Vinyl composition tile	096519
Base:	
Resilient base	096519
Ceiling:	
Cleanable, suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
L1 1 round table
L2 6 chairs
Sofa bed
Wastebasket

Features[1,2]:

Fixed Equipment:

F1	Casework (all handicap accessible): Base/wall cabinets	123200
F2	Soap dispenser	102800
F3	Towel dispenser	102800

Miscellaneous:
M1 Refrigerator
M2 Microwave
M3 Range with oven
M4 Dishwasher
M5 Washer
M6 Dryer

	Spec. Ref.#
Fire Suppression:	Div. 21
Fire suppression system	

Plumbing: Div. 22
Connections to food service equipment
Connections to laundry equipment
Connections to refrigerator ice maker
Plumbing and gas connections with master shut off
Sink

HVAC: Div. 23
Supply/return air system
Independent temperature control
Kitchen canopy exhaust system
Exhaust vent for dryer

Electrical: Div. 26
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Central sound system
Duplex receptacles for appliances and equipment
Connections to food service Equipment
Clock
Central sound system
TVSS protected quad receptacle adjacent to each data port and video port

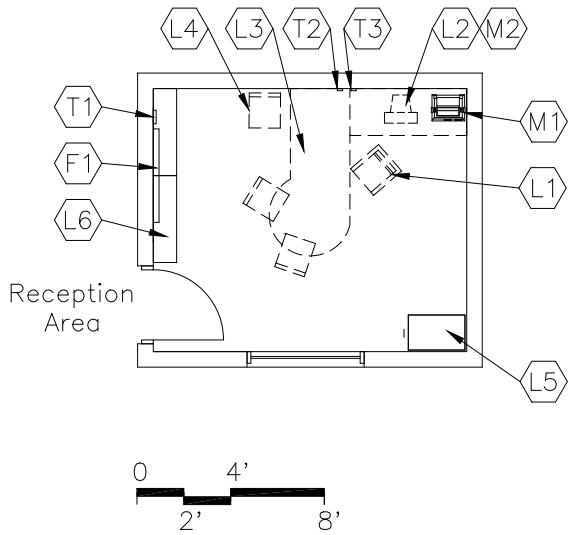
Communications[3]: Div. 27
T1 1 voice port and phone
T2 1 cable/MATV port
T3 2 data ports

Electronic Safety and Security: Div. 28
Life safety devices per code

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Instructional components and food service equipment to be determined later.
3. Refer to the Educational Specifications - Technology, Section 1240.

Working Draft



CAPACITY:
- Instructional personnel in ESL and reading
- Psychologists
- Social workers
- Counselors

SIZE:
- 150 SF

ANCILLARY SPACES:
- Workroom/Copy Center (H-AC-12)

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

SPATIAL RELATIONSHIPS:
- Within the Core academic Suite
- Adjacent and access to Reception Area

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

Working Draft

NOTES:

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

STUDENT SUPPORT PERSONNEL OFFICES
H-AC-15

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted gypsum wallboard over metal studs	092116 / 099123

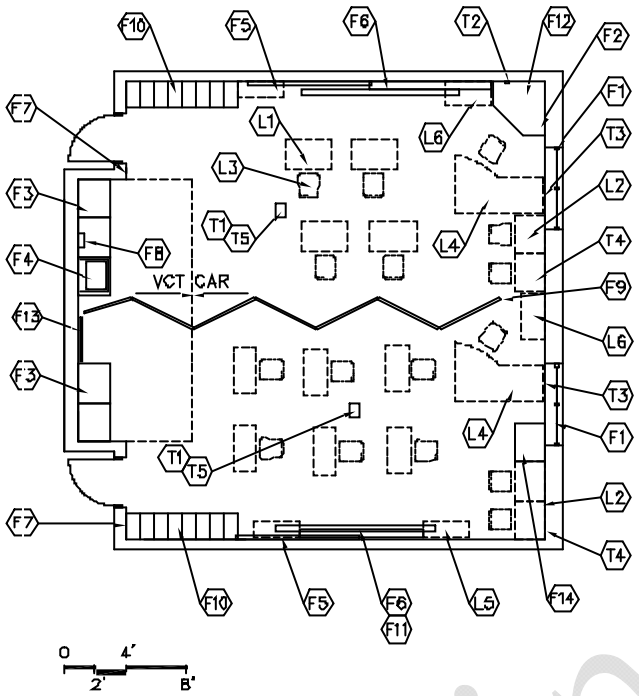
Loose Furnishings:
L1 Ergonomic task chair
L2 Computer workstation
L3 Desk
L4 Guest chair
L5 4-drawer locking file cabinet
L6 Adjustable height bookshelves (12 LF)
Wastebasket

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Tack board (4 LF)	101100
Fire Suppression:	Div. 21
Fire suppression system	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Fluorescent lighting:	
Illumination level: See Table 7600-16	
Multilevel switching	
Duplex receptacles	
TVSS protected quad receptacles adjacent to each data and video port	
Central sound system	
Clock	
Communications[2]:	Div. 27
T1 1 cable/MATV port	
T2 1 voice port and phone	
T3 1 data port at workstation	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
M1 Printer	
M2 Computer	

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

Working Draft

SPECIAL EDUCATION / RESOURCE
H-AC-28



SIZE:
- 800 SF

PROGRAM ACTIVITIES:
- Accommodates students who have special needs with cognitive disability, hearing impairment, visual impairment, emotional disturbance, orthopedic impairment, autism, brain injury, learning-deaf-blindness disabilities.
- Variety of special services such as one-on-one instruction and small group instruction.
- Activities include, but are not limited to: group discussions, demonstrations, music activities, life skills, coping skills, speech, and visual and hearing support services.

SPATIAL RELATIONSHIPS:
- Near academic core classrooms
- The space will be used to accommodate the specific IEP requirements of each student

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control –
  wall minimum STC 50
  ceiling minimum CAC 35, NRC 0.65

Working Draft

NOTES:

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

SPECIAL EDUCATION / RESOURCE

FINISHES[1]:	Spec. Ref.#
Flooring:	
Combination carpet	096816
with resilient options	096500
Option: All vinyl composition tile	096517
VCTT, VET, sheet vinyl, or linoleum	096516
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

LOOSE FURNISHINGS:

L1 Student desks/tables
L2 Computer workstation furniture
L3 Student chairs
L4 Teacher desk / computer support and chair
L5 Mobile bookcases or storage unit
L6 File cabinet
Wastebasket
Pencil sharpener

FEATURES[1]:	Ref.#	Spec.
Fixed Items:		
F1	Windows with integral blinds	085116
F2	3' of tall wardrobe with file drawers	123200
F3	8'-12' of base cabinets	123200
F4	3' sink base cabinet	123200
F5	10'-16' of chalk/marker board	101100
F6	10'-16' of tack board or tackable wall surface or combination	101100
F7	Pencil sharpener support	062023
F8	Towel dispenser (optional)	102800
F9	Operable partition (optional)	102226
F10	Open casework coats and personal storage w/wall cabinets above	123200
F11	Projection screen (optional)	115213
F12	Technology support casework	123200
F13	Mirror (optional)	102800
F14	Mobile storage cabinet (optional)	123200

Fire Suppression: Div. 21
Fire suppression system

Plumbing: Div. 22
Sink
Plumbing connections

HVAC: Div. 23
Supply/return air system
Independent temperature ctrl

Electrical: Div. 26
Fluorescent lighting
Illumination level: See Table 7600-16
Multilevel switching
4 duplex receptacles
Double duplex receptacle adjacent to each data and video port

Communications: Div. 27
T1 1 video port
T2 1 voice port and phone
T3 1 data port near each teacher workstation
T4 4 data ports (min.) for student use
Clock
Sound reinforcement system
Central sound system
T5 Overhead projector

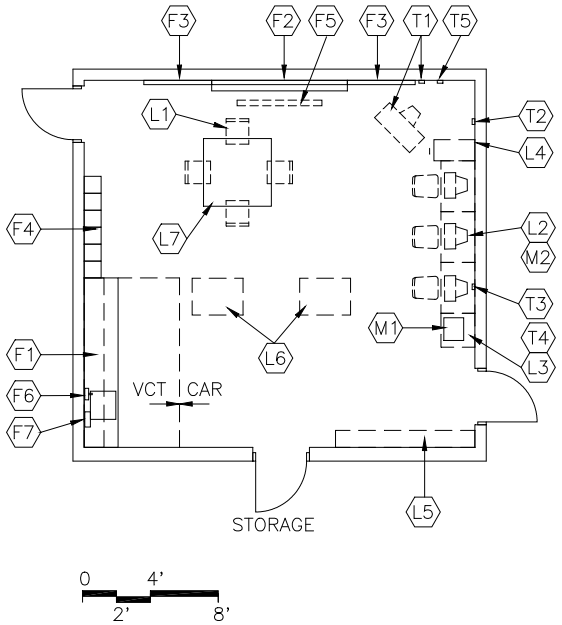
Electronic Safety and Security: Div. 28
Life safety devices per code

NOTES:

3. Finishes/Features: Refer to Chapter 8 for specification references.
4. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

Working Draft

SPEECH / OCCUPATIONAL / PHYSICAL THERAPY



CAPACITY:
- Up to 3 students
- Up to 2 staff

SIZE:
- 200 SF

ANCILLARY SPACES:
- Speech/Occupational/ Physical Therapy Storage (M-AC-14)

GOAL:
- To provide private functional mobility training for students

PROGRAM ACTIVITIES:
- Speech therapy
- Exercise
- Assistive technology evaluation
- Occupational and Physical Therapy

SPATIAL RELATIONSHIPS:
- Near Academic Core Classrooms
- Near Special Needs Classrooms
- Adjacent and access to Speech Occupational/Physical Therapy Storage

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

Working Draft

NOTES:

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

SPEECH / OCCUPATIONAL / PHYSICAL THERAPY

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:

L1 4 chairs
L2 3 computer workstation furniture
L3 Printer table
L4 Four-drawer file cabinet
L5 Adjustable height bookshelves (12 LF)
L6 Therapy equipment
L7 Work table
Wastebasket

Communications[2]: Div. 27

T1 Video port, monitor, VCR/DVD, and brackets
T2 Voice port and phone
T3 1-3 data ports near workstations
T4 Data port at printer
T5 Cable/MATV

Miscellaneous:

M2 1-3 computers for student use

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Casework: Wall/base cabinets with shelving	123200
F2	Marker board (8 LF)	101100
F3	Tack board (8 LF)	101100
F5	Manual projection screen	115213
F6	Soap dispenser	102800
F7	Towel dispenser	102800

Fire Suppression: Div. 21

Fire suppression system

Plumbing: Div. 22

Plumbing connections
Sink with drinking fountain

HVAC: Div. 23

Supply/return air system

Electrical: Div. 26

Duplex receptacles:
3 per primary teaching surface
2 per other walls
TVSS protected quad receptacle adjacent to each data and video port
Multilevel switching
Fluorescent lighting
Illumination level: See Table 7600-16
Clock
Central sound system

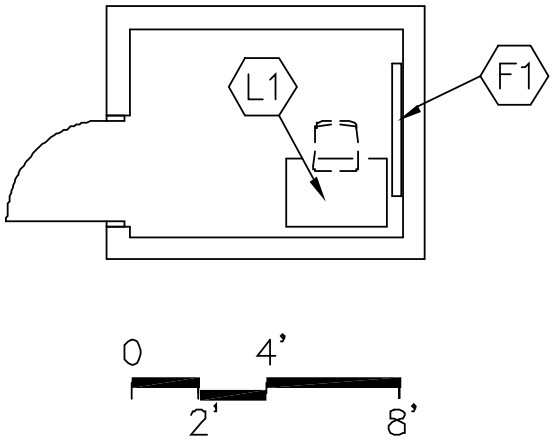
Electronic Safety and Security: Div. 28

Life safety devices per code

NOTES:

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

Working Draft



PROGRAM ACTIVITIES:
- Could be used for students requiring a quiet individual area.

SPATIAL RELATIONSHIPS:
- Close proximity to RISE classrooms

ENVIRONMENTAL CONSIDERATIONS:
- Dimmed lighting
- Environmental sound control
  - wall minimum STC 50
  - ceiling minimum CAC 35, NRC 0.65
- Views into time out area from the main corridor
- Auditory privacy

CAPACITY:
- 1-2 persons

SIZE:
- 200 SF

ANCILLARY SPACES:
- Special Needs Classroom (E-ACA-7, E-ACA-8)

<u>NOTES</u>:

1. Loose furnishings shown represent one of many possible arrangements.
2. Extend walls to deck above.
3. Program/use may determine whether a door is a requirement.

Working Draft

QUIET ROOM

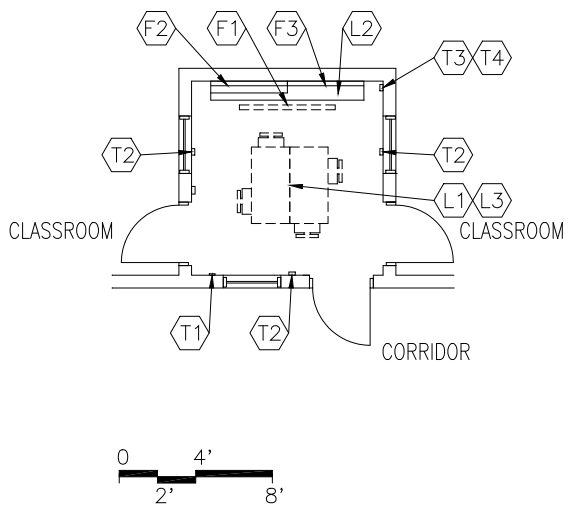
FINISHES[1]:	Spec. Ref.#
Flooring:	
VCT	096519
Base:	
Resilient base	
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000/ 099123
Detention wall padding	

FEATURES[1]:	Spec. Ref.#
Fixed Items:	
F1 4' of tack board (optional)	101100
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Dimmable lighting	
Fluorescent lighting	
Illumination level: See Table 7600-16	
1 duplex receptacle	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
Interior window with blinds (optional)	081113 / 088000

NOTES:

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

Working Draft



CAPACITY:
- 3 to 6 persons

SIZE:
- 200 SF

ANCILLARY SPACES:
- Core Academic Classroom (H-AC-1)

GOALS:
- To provide a space for small group instruction, students working independently or in small groups, and conferences

PROGRAM ACTIVITIES:
- Students working on projects
- Small group activities
- tutoring
- Conferences

SPATIAL RELATIONSHIPS:
- Shared space between two Core Academic Classrooms
- Locate centrally for good visual supervision
- Adjacent to and access to corridor

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Visual access to Classrooms and Corridor
- Window treatment to darken room for AV presentation

Working Draft

NOTES:

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

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
L1 Table
L2 Adjustable height bookshelves (12 LF)
L3 Chairs
Wastebasket

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Manual projection screen	115213
F2 Marker board (4 LF)	101100
F3 Tack board (4 LF)	101100

Fire Suppression: Div. 21
Fire suppression system

Plumbing:
N/A

HVAC: Div. 23
Supply/return air system
Independent temperature control

Electrical: Div. 26
Fluorescent lighting:
Illumination level: See Table 7600-16
Duplex receptacles
TVSS protected quad receptacle adjacent to each data and video ports
Central sound system
Clock

Communications[2]: Div. 27
T1 1 voice port and telephone
T2 3 data ports for student use
T3 1 video port
T4 1 cable/MATV port
T5 Video port, monitor, VCR, and brackets

Electronic Safety and Security: Div. 28
Life safety devices per code

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

Working Draft

Media Center Space Requirements

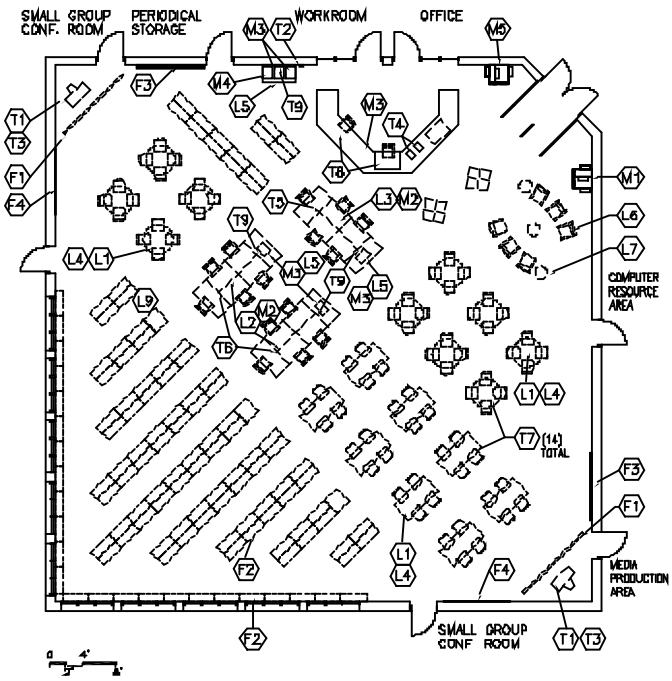
Space	Design Guideline			Comments
	Qty.	S.F.	Total	
Reading, Learning, Circulation & Computer research	1	3,000	3,000	
Office	1	150	150	
Workroom	1	250	250	
Equipment Storage	1	100/250	350	
Media Production/recording	1	800	800	Location TBD
Total			**4,550**	

.

Working Draft

READING / STACKS / CIRCULATION

H-MC-1



CAPACITY:
- 50 students or 2 classes
- Up to 12 individuals for students research
- Media Specialist
- Up to 10 individual students for open reading
- Media Assistant
- Community use after school hours

ANCILLARY SPACES:
- Office (H-MC-4)
- Workroom (H-MC-5)
- Equipment Storage (H-MC-8)

GOAL:
- To provide students, staff, and community with access to information and quiet study areas

PROGRAM ACTIVITIES:
- Reading
- Circulation of materials and resources
- Whole group and small group instruction
- Provide meeting areas for community staff and parents
- Research

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

ENVIRONMENTAL CONSIDERATIONS:
- Recessed floor, wall electrical outlets in floor at tables
- Flush covers for floor outlets
- Adequate ventilation
- Lighting appropriate to task with switches to dim separate zones of media center
- Wall mounts and appropriate wiring for TV/VCR in whole class zone and storytelling zone
- 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 and egress
- 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
- Auditory privacy
- Window treatment to darken room for AV presentations

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

Working Draft

Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet	096816
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical[2]	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:

L1	10 four person tables and chairs
L2	10 seated reference stations
L3	3 automated card catalog stations
L4	60 chairs
L5	2 printer tables
L6	6 lounge chairs
L7	2 end tables
L8	Map and dictionary stands Wastebasket

Communications[3]: Div. 27

T2	Voice ports and phones
T3	2 cable/MATV port
T4	2 bar code readers
T5	3 data ports for automated card catalog
T6	10 data ports for reference
T7	14 data ports for student use
T8	2 data ports at circulation desk
T9	2 data ports for printers

Miscellaneous:

M1	Coin/magnetic card copier
M2	10 computers – student use
M3	2 printers
M4	Scanner
M5	Copier

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Motorized projection screen	115213
F2	Library casework: Varied sizes and Configurations Specialized multimedia storage	123550
F3	Marker board	101100
F4	Tack board (32 LF)	101100

Fire Suppression: Div. 21

Fire suppression system

Plumbing:

N/A

HVAC: Div. 23

Supply/return air system
Independent temperature control

Electrical: Div. 26

Recessed data/voice floor outlets
Duplex receptacles
TVSS protected quad receptacle
Adjacent to each video and data port
Multilevel switching
Recessed floor outlets
Fluorescent lighting:
Illumination level: See Table 7600-16
Security system
Clock
Central sound system

Electronic Safety and Security: Div. 28

Life safety devices per code

NOTES:
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Other types of ceiling may be appropriate based on the actual facility design, such as exposed, painted structure. High ceilings are appropriate to the size of the room.
3. Refer to the Educational Specifications - Technology, Section 1240.

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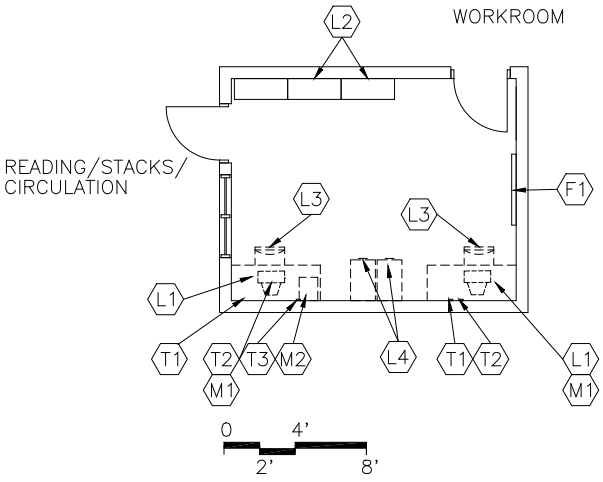

GOAL:
- To provide a private work area for the media specialist, easy access to the circulation desk, media production area, and computer resource area

PROGRAM ACTIVITIES:
- Ordering
- Scheduling
- Cooperative learning
- Administrative work (preparing budget, reports, etc.)
- Processing and repairing books, videos, discs, etc.

SPATIAL RELATIONSHIPS:
- Adjacent and access to Reading/Stacks/Circulation
- Adjacent and access to Workroom
- Near circulation desk

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Visual access to Reading/Stacks/Circulation
- Electrical outlets for equipment
- Auditory privacy

CAPACITY:
- Media Specialist
- Technology Aide

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Reading/Stacks/Circulation (H-MC-1)
- Workroom (H-MC-5)

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

Working Draft

OFFICE
H-MC-4

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
L1 Computer workstation furniture
L2 Adjustable height bookshelves (24 LF)
L3 Ergonomic task chairs
L4 2, four-drawer file cabinets
Wastebasket

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Tack board (4 LF)	101100
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Duplex receptacles	
TVSS protected quad receptacle adjacent to data port	
Single-level switching	
Fluorescent lighting	
Illumination level: See Table 7600-16	
Clock	
Central sound system	
Communications[2]:	Div. 27
T1 2 voice ports and phones	
T2 2 data ports	
T3 Data port for printer	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

Miscellaneous:
M1 Computer
M2 Printer

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

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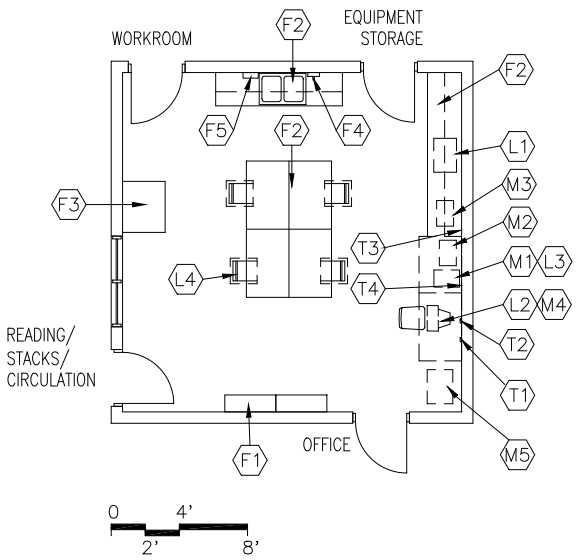


GOAL:
- To provide space for the management and organization of media resources and processing of incoming materials

PROGRAM ACTIVITIES:
- Receiving, processing, and duplicating library materials
- Repairing damaged or worn materials
- Scanning and digitizing

SPATIAL RELATIONSHIPS:
- Behind circulation desk
- Adjacent and access to Office
- Adjacent and access to Reading/Stacks/Circulation

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:

Wall minimum: STC 45
Ceiling minimum: CAC 35
- Visual access to Reading/Stacks/Circulation
- Electrical outlets for equipment

CAPACITY:
- Media specialist

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Reading/Stacks/Circulation (H-MC-1)
- Office (H-MC-4)

NOTES:

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

Working Draft

WORKROOM
H-MC-5

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
- L1 Paper cutter
- L2 Computer workstation furniture
- L3 Equipment table
- L4 Chairs
- Wastebasket

Miscellaneous:
- M1 Fax
- M2 Printer
- M3 Scanner
- M4 Computer
- M5 Video distribution equipment

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Storage shelving: videotapes	105613
F2 Casework: Base/wall cabinets	123200
F3 Casework: Tall storage	123200
F4 Soap dispenser	102800
F5 Towel dispenser	102800

Fire Suppression: Div. 21
Fire suppression system

Plumbing: Div. 22
Plumbing connections
Sink

HVAC: Div. 23
Supply/return air system
Independent temperature control

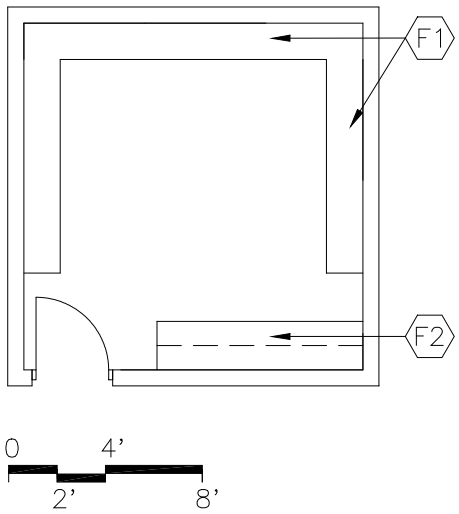
Electrical: Div. 26
Duplex receptacles
TVSS protected quad receptacle adjacent to data port
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Clock
Central sound system

Communications[2]: Div. 27
- T1 Voice port and phone
- T2 Data port near workstation
- T3 Data port for printer and scanner
- T4 Fax port

Electronic Safety and Security: Div. 28
Life safety devices per code

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

Working Draft



CAPACITY:
N/A

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Workroom (H-MC-5)

GOAL:
- To store equipment that is used in the Media Center and equipment/material used in other areas of the school

PROGRAM ACTIVITY:
- Storage of equipment and materials

SPATIAL RELATIONSHIP:
- Adjacent and access to Workroom

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation
- Security of room

Working Draft

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

EQUIPMENT STORAGE
H-MC-8

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

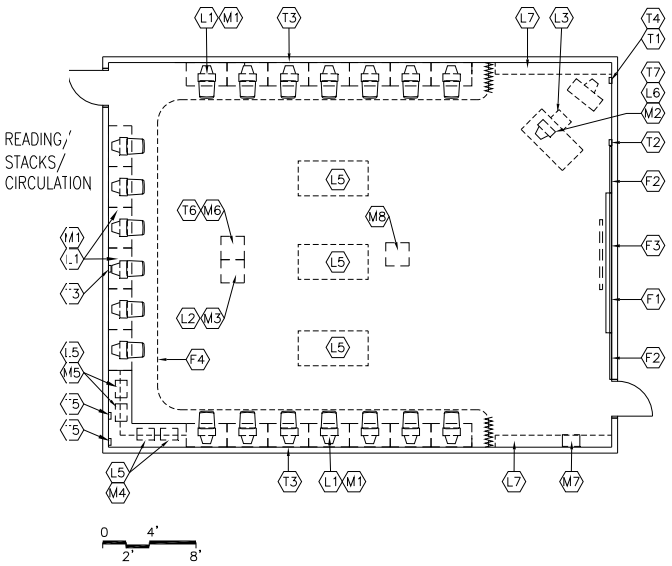
Loose Furnishings:
N/A

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Storage shelving	105613
F2 Casework: Base/wall cabinets	123200
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC:	Div. 23
Supply/return air system	
Electrical:	Div. 26
Duplex receptacles	
Single-level switching	
Fluorescent lighting	
Illumination level: See Table 7600-16	
Security system	
Communications:	
N/A	
Electronic Safety and Security:	
N/A	
Miscellaneous:	
N/A	

NOTES:

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

Working Draft



CAPACITY:
- ***20*** students
- 2 teacher
- Community use after school hours

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Reading/Stacks/Circulation (H-MC-1)

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

PROGRAM ACTIVITIES:
- Video creation/production
- Voice over/dubbing
- Creative writing
- Closed circuit TV production
- Newspaper production
- Scanning and digitizing

SPATIAL RELATIONSHIP:
- Adjacent and access to Reading/Stacks/Circulation

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting with an appropriate visual comfort level
- Adequate ventilation
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Special lighting for video production
- HVAC control separate from Media Center
- Provide separation between video production and other media production

Working Draft

NOTES:

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

MEDIA PRODUCTION AREA

Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet	096816
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123
Acoustical wall treatments	098400

Loose Furnishings:

- L1 10 computer workstation furniture - student use
- L2 Multi-media cart – teacher use
- L3 Ergonomic task chair
- L4 2 printer tables
- L5 Scanner/equipment tables
- L6 Computer workstation furniture for teacher use
- L7 Adjustable-height bookshelves (24 LF minimum)
- Wastebasket

Miscellaneous:

- M1 10 computers - student use
- M2 Computer - teacher use
- M3 Projection device on cart — Div. 27
- M4 2 printers
- M5 2 scanners
- M6 Video camera/monitor
- M7 Production and editing equipment
- M8 Ceiling mounted projector

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Marker board (12 LF)	101100
F2 Tack board (8 LF)	101100
F3 Manual projection screen	115213
F4 Curtain	116143

Fire Suppression: Div. 21

Fire suppression system

Plumbing:

N/A

HVAC: Div. 23

Supply/return air system
Independent temperature control

Electrical: Div. 26

Duplex receptacles
TVSS protected quad receptacle
Adjacent to each data and video port
Multilevel switching
Track lighting with dimmer control
Fluorescent/spotlighting
Illumination level: See Table 7600-16
Clock
Central sound system

Communications[2]: Div. 27

- T1 Video port, monitor, VCR, and brackets
- T2 Voice port and phone
- T3 10 data ports - student use
- T4 Cable/MATV port
- T5 4 data ports for printers and scanners
- T6 Video port for camera
- T7 Data port near teacher workstation

Electronic Safety and Security: Div. 28

Life safety devices per code

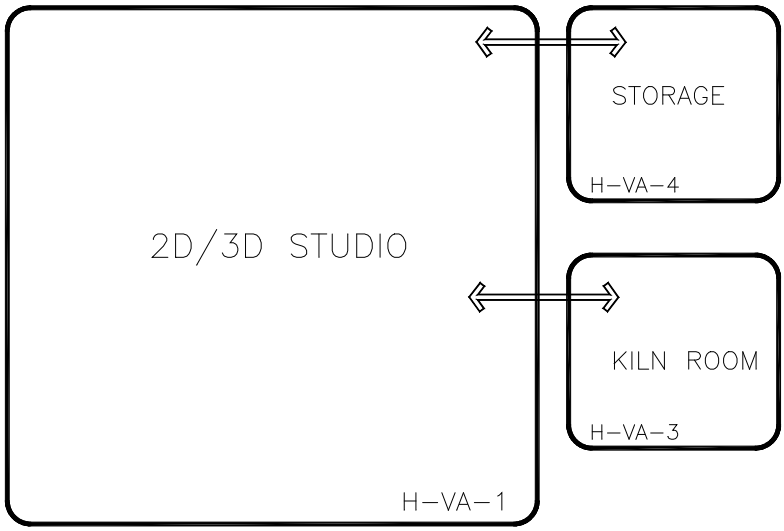
NOTES:

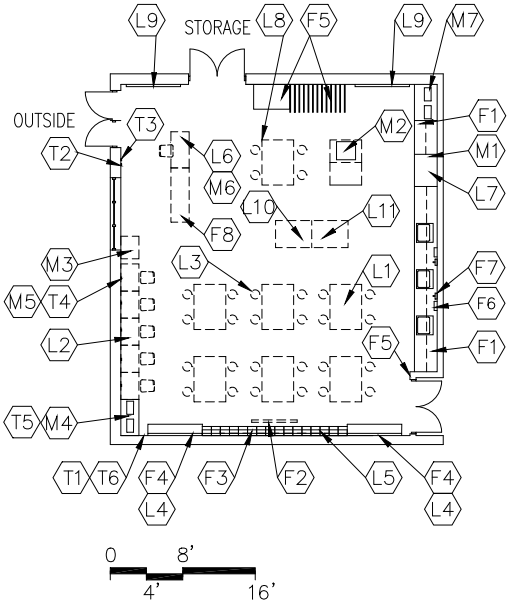
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications - Technology, Section 1240.

Working Draft

Visual Arts Space Requirements

Space	Design Guideline			Comments
	Qty.	S.F.	Total	
3D/2D Studio	1	1,300	1,300	
Storage	1	150	150	
Kiln/storage	1	200	200	Standard under revision
Total			**1,650**	





CAPACITY:
- 21 students
- 1 teacher

ANCILLARY SPACES:
- Storage

GOAL:
- To provide a learning environment where students can learn two dimensional art and create their own art pieces

PROGRAM ACTIVITIES:
- Drawing/Painting
- Art history and culture
- Viewing of slides/DVDs/CD-Roms
- Reading, writing, and research using technology
- Matting and framing
- Digital Photography
- Cooperative group work
- Computer graphics and internet access

SPATIAL RELATIONSHIPS:
- Large double doors leading to outside
- Adjacent and access to storage
- Display space in adjacent corridor

ENVIRONMENTAL CONSIDERATIONS:
- Adjustable full-spectrum lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Double width doors (with removable mullion) to allow for moving of large equipment and projects.
- Windows to provide natural light and egress
- Electrical outlets for equipment
- Window treatment to darken room for AV presentations

TECHNOLOGY
- See regular classroom

BUILT-IN EQUIPMENT
- Sinks (3) shall be stainless steel and equipped with mixing faucets with hot and cold water.
- The sinks shall be in counters (26 in. wide) and far enough apart to allow several students around each sink.
- A heavy-duty ceiling grid system is required for mounting of mobiles, macramé, etc.
- A marker board (4 ft. X 16 ft.) and bulletin board (4 ft. X 16 ft.)
- 80"w x 60"h video format screen with black masking borders
- The floor covering shall be VCT and of a color that will not show stains easily.
- Provide a lockable teacher's wardrobe cabinet.
- Storage for painting racks should line one wall (approximately 25 linear feet). Cabinet and shelf storage for objects should line another wall with flat storage under the counter.

Working Draft

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

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling: (12' high minimum to deck)	
Exposed structure, painted	099123
Walls:	
Painted concrete masonry units	042000 / 099123
Tackable wall surface	101100

Loose Furnishings:

L1 6 worktables
L2 Computer workstations
L3 24 stools
L4 Adjustable height bookshelves (24 LF)
L5 Project storage lockers (10" x 15" x 20")
L6 Teacher desk and chair
L7 Spray booth with exhaust
L8 Additional worktable and stools
L9 Movable art display panels to be used for art room and other areas of the school
L10 Light table
L11 Worktable
Large trash bins with lids
Recycling bins

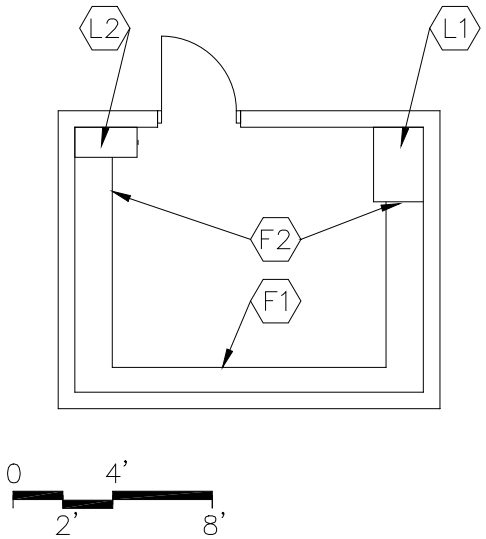
Features[1]:	
Fixed Equipment:	
F1 Casework: Base/wall cabinets and shelving	123200
F2 Manual projection screen	115213
F3 Marker board/Chalk board (16 LF)	101100
F4 Tack board (12 LF)	101100
F5 Casework: Paper storage, Vertical files (30" x 40" work)	123200
F6 Towel dispenser	102800
F7 Soap dispenser	102800
F8 Casework: Demonstration table	123200

Fire Suppression:	Spec. Ref.#
Fire suppression system	Div. 21
Plumbing:	Div. 22
Plumbing connections	
Large, deep sinks	
Services for air compressor	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Exhaust for hood	
Electrical:	Div. 26
Fluorescent lighting	
Illumination level: See table 7600-16	
Movable track lighting	
Multilevel switching	
Duplex receptacles	
3 per primary teaching wall	
2 per other walls	
TVSS protected quad receptacle adjacent to each data and video ports	
Central sound system	
Clock	
Communications[2]:	Div. 27
T1 1 video and voice port	
T3 1 data port near teacher workstation	
T4 5 data ports (minimum) for student use	
T5 1 data ports for printer	
T6 Cable/MATV port	
Video projector	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
M1 Compressor for air brush and spray painting	
M2 Projection device on cart	Div. 27
M3 TV/VCR on cart	Div. 27
M4 2 printers	
M5 5 computers for student use	
M6 1 computer for teacher use	
Drawing boards, art easels	
Mat cutter, paper cutter	
M7 Countertop exhaust hood	

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

Working Draft

STORAGE H-VA-4



CAPACITY:
- Teachers
- Students

SIZE:
- 150 SF

ANCILLARY SPACES:
- 2-D Studio
- 3-D Studio

GOAL:
- To provide secure and adequate space to store art supplies, portable equipment, technology peripherals, and materials

PROGRAM ACTIVITIES:
- Storage of equipment, supplies, and projects

SPATIAL RELATIONSHIPS:
- Adjacent and access to 2-D Studio
- Adjacent and access to 3-D Studio

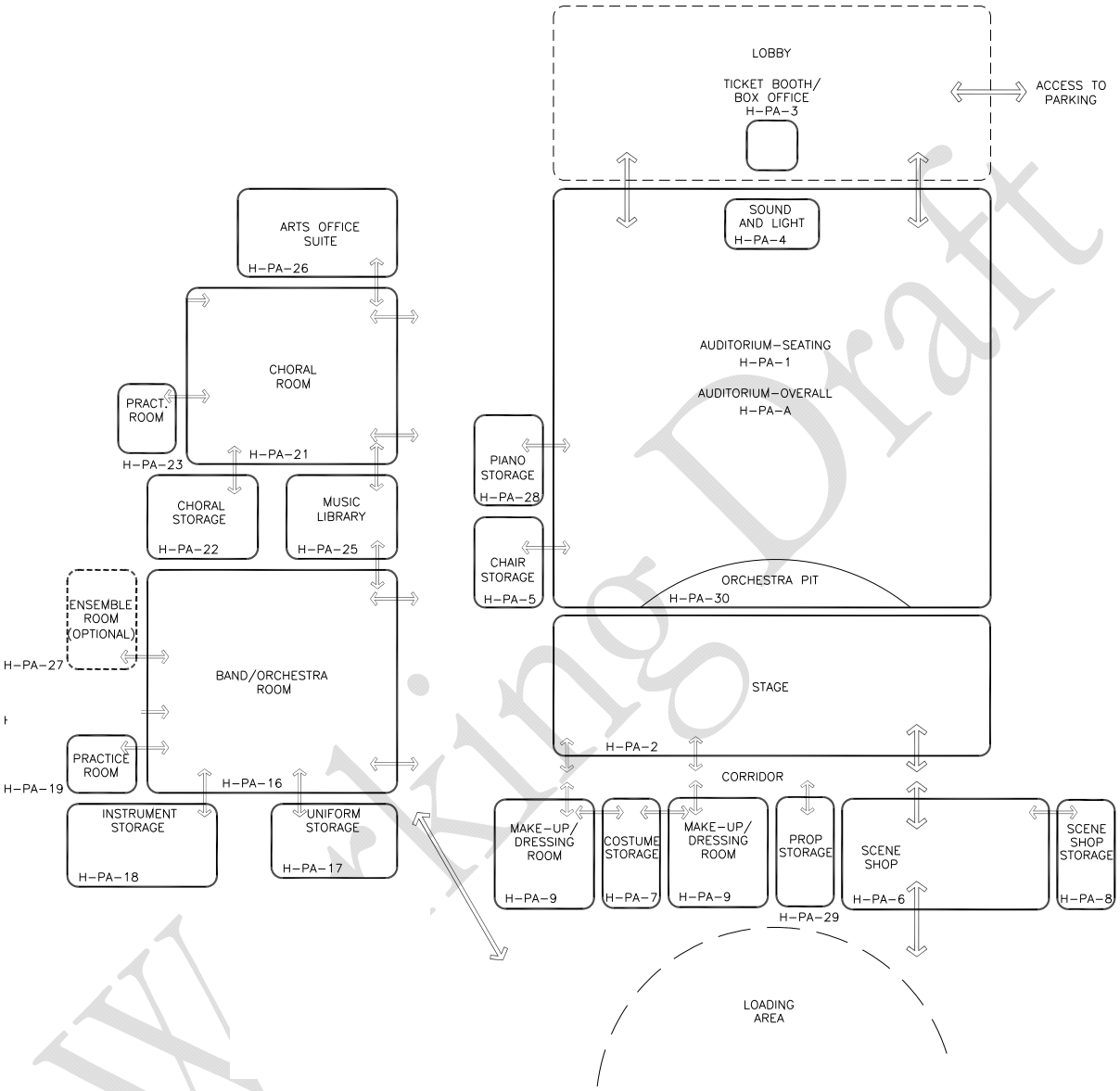
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Electrical outlets for equipment
- Adequate ventilation
- Door with large vision panel

Working Draft

Performing Arts Space Requirements

Space	Design Guideline			Comments
	Qty.	S.F.	Total	
Auditorium				
Lobby	1	700	700	Or SF as is
Auditorium (500 seats)	1	10 per person	5,000	Or SF as is
Auditorium Stage (inc. wing)	1	1,800	1,800	Or SF as is
Ticket Booth/Box Office	1	75	75	
Sound and Light Control Room	1	125	125	
Chair/Piano Storage	1	200	200	
Performance Support			0	
Scene Shop/storage	1	400	400	
Costume/Prop Room	1	200	200	
Make-up/Dressing Room	2	300	600	
General Music			0	
Instrumental	1	1,400	1,400	
Choral/Keyboarding room	1	1,000	1,000	
Uniform Storage	1	300	300	
Instrument Storage	1	300	300	
Large Practice room	1	400	400	Percussion
Practice Rooms	4	varies	320	
Total			**12,820**	

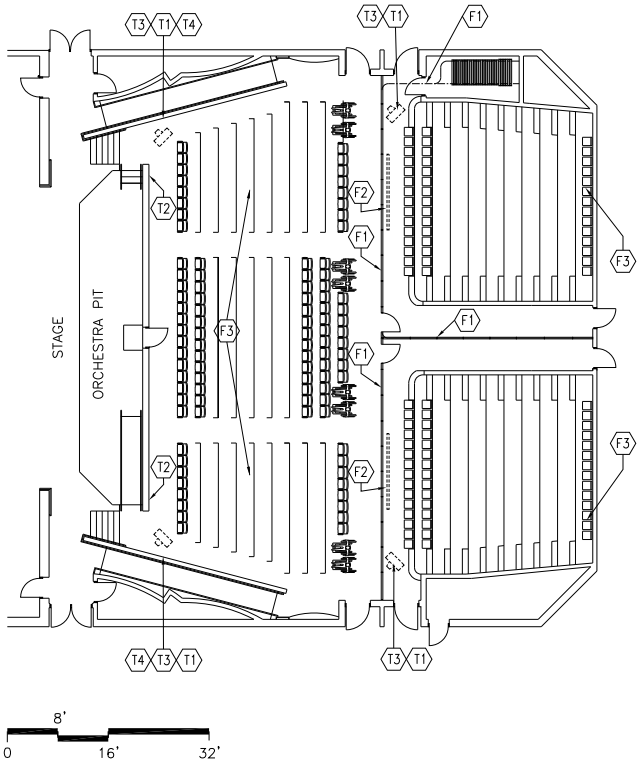
Working Draft



NOTE:
This is an example of how the Performing Arts in a high school could be arranged. This is meant only to demonstrate the relationships between various areas of the building.

Working Draft

AUDITORIUM



CAPACITY:
- Students
- Teachers
- Community

SIZE:
- Varies

ANCILLARY SPACES:
- Stage
- Ticket Booth/Box Office
- Sound and Light Control Box

ENVIRONMENTAL CONSIDERATIONS:
- Optimize sound qualities

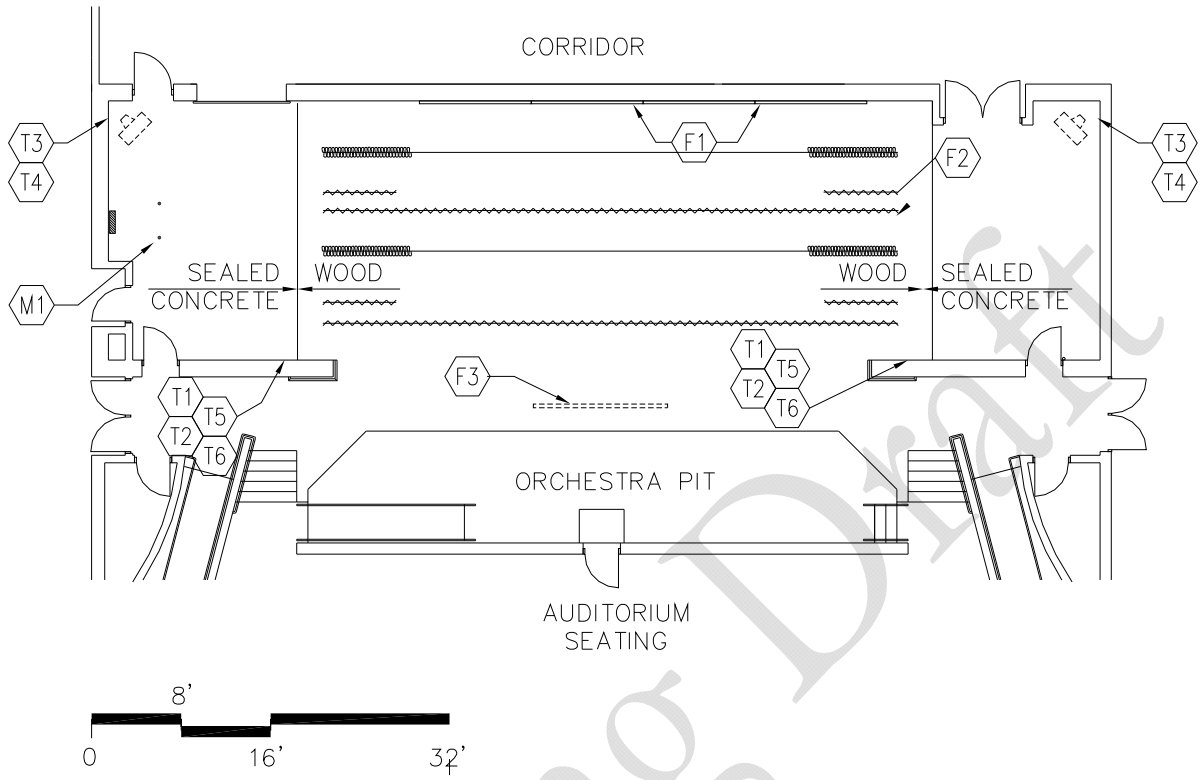
GOAL:
- To provide a flexible performance venue and large technology intensive multi-purpose instructional space.

PROGRAM ACTIVITIES:
- Theatrical, dance, and musical productions
- Student assemblies
- Lectures
- Distance Learning
- Community programs and events

SPATIAL RELATIONSHIPS:
- Convenient access to visitor parking
- Opens into lobby with ticket booth, public restrooms, and a public entrance with drop-off
- All facilities in this area must have easy access to the rest of the school, with capability to be closed off from all parts of the school during evenings for security

Working Draft

STAGE



CAPACITY:
- Students
- Teachers
- Parents/Volunteers
- Members of the community
- Traveling productions

SIZE:
- Varies

ANCILLARY SPACES:
- Scene Shop
- Costume/Prop room
- Make Up/Dressing Room

GOAL:
- To provide space for student performances

PROGRAM ACTIVITIES:
- Theatrical/musical performances
- Student assemblies and award programs
- Traveling productions
- Community use

SPATIAL RELATIONSHIPS:
- Locate adjacent to other Performance Support Areas
- Near public restrooms
- Near visitor parking
- Corridor access at rear of stage

ENVIRONMENTAL CONSIDERATIONS:
- Environmental sound control
  - Wall minimum: STC 56
  - Roof minimum: STC 45
- Possible operable partition between Stage and Auditorium Seating

NOTES:
1. Design Professional and/or theatre/acoustical consultant shall confirm auditorium finishes/features and performance criteria with District of Columbia Public School's Performing Arts personnel.

Working Draft

Finishes:
Flooring:
Wood flooring

Ceiling:
Painted exposed structure

Walls:
Painted concrete masonry units

Loose Furnishings
Upright piano
Mobile folding risers
Podium
Orchestra shell (optional)

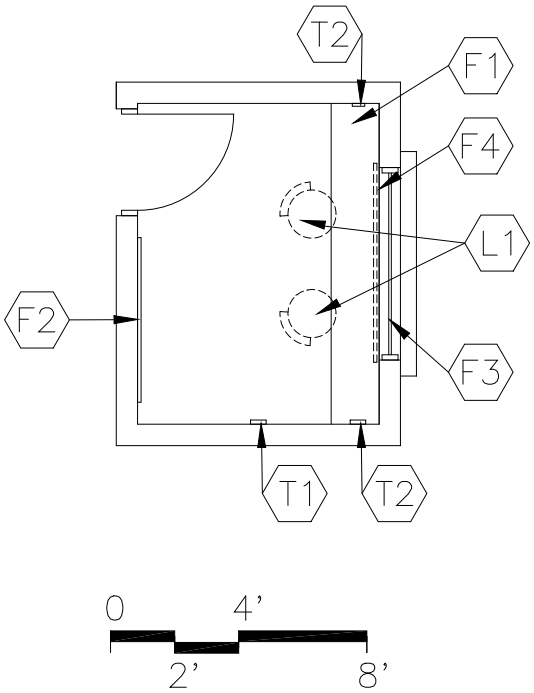
Communications
3 data ports on stage
one in center of stage apron
Voice port and telephone

Cable/MATV port
Video port, monitor, VCR,
And bracket
Microphone port
Jacks for sound system
in apron at front of stage

Fixed Equipment:
F1 Mirrors
F2 Theater and stage equipment
F3 Motorized projection screen

Working Draft

TICKET BOOTH/BOX OFFICE



CAPACITY:
- Ticket Sellers

SIZE:
- 75 SF

ANCILLARY SPACES:
- TBD

GOAL:
- To provide a space for ticket sales

PROGRAM ACTIVITY:
- Selling tickets

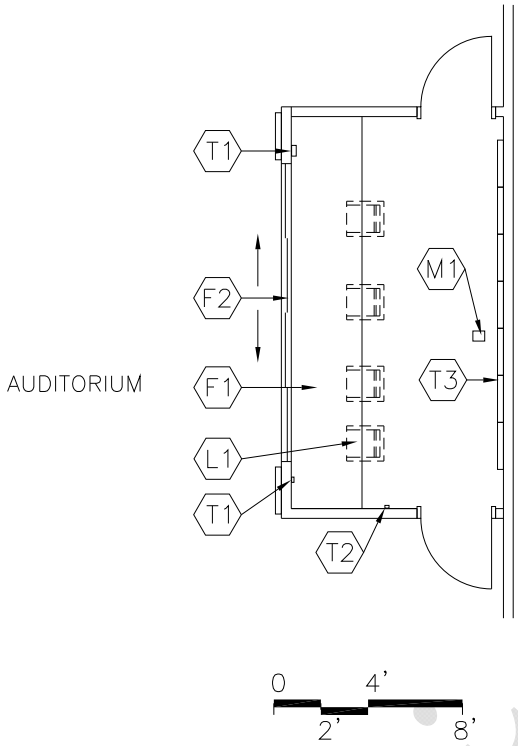
SPATIAL RELATIONSHIPS:
- Located in Lobby adjacent to Auditorium
- Lockable window into corridor

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation
- Electrical outlets for equipment

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability

Working Draft

SOUND AND LIGHT CONTROL



CAPACITY:
- 3 - 5 Students
- Teacher

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Auditorium

GOAL:
- To provide space for the equipment needed to operate the sound, lighting, and projection equipment for the auditorium

PROGRAM ACTIVITIES:
- Operation of the technical support for performances
- Teaching of Technical Theater

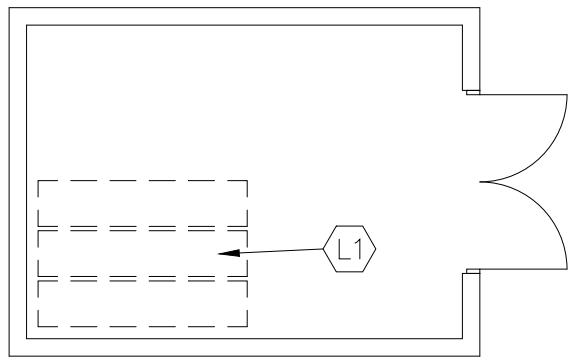
SPATIAL RELATIONSHIPS:
- Behind and above last row of auditorium seating

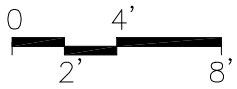
ENVIRONMENTAL CONSIDERATIONS:
- Unobstructed view of stage at all times
- Uniform Lighting
- Task lighting
- Electrical outlets for equipment
- Environmental sound control:
  Wall minimum: STC 55
  Ceiling minimum: CAC 45
- Sound proof HVAC system
- Consider sound transfer into Auditorium during performances
- Handicapped accessible

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability

Working Draft

CHAIR STORAGE





CAPACITY:
N/A

SIZE:
- 200 SF

ANCILLARY SPACES:
- Auditorium (H-PA-1)

GOAL:
- To provide a secure area for storing and retrieving chairs

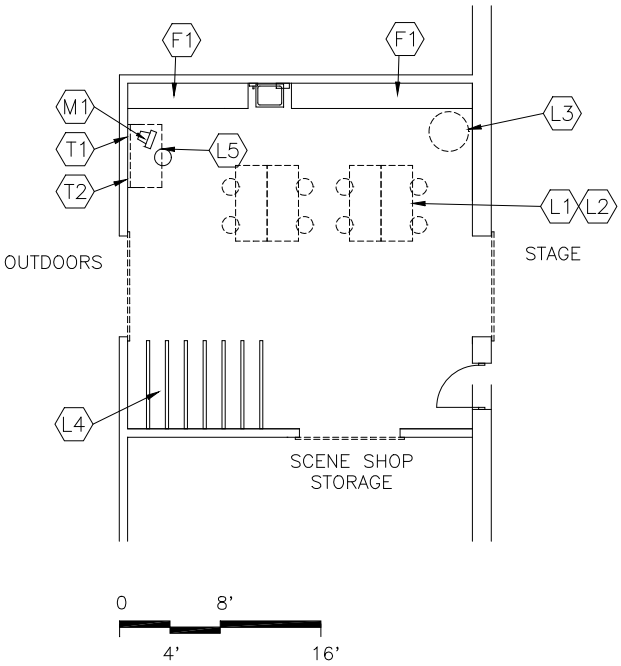
PROGRAM ACTIVITY:
- Storage for chairs

SPATIAL RELATIONSHIP:
- Near auditorium orchestra pit

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Wide double door opening

Working Draft

SCENE SHOP/STORAGE



CAPACITY:
- Up to 15 students
- Drama Teacher

SIZE:
- Varies

ANCILLARY SPACES:
- Stage
- Scene Shop Storage

Note: All support spaces are desirable but not a priority if they cannot be located near the auditorium.

GOAL:
- To provide an area for construction of sets, flats, and scenery for production

PROGRAM ACTIVITIES:
- Painting
- Cutting wood
- Hammering nails

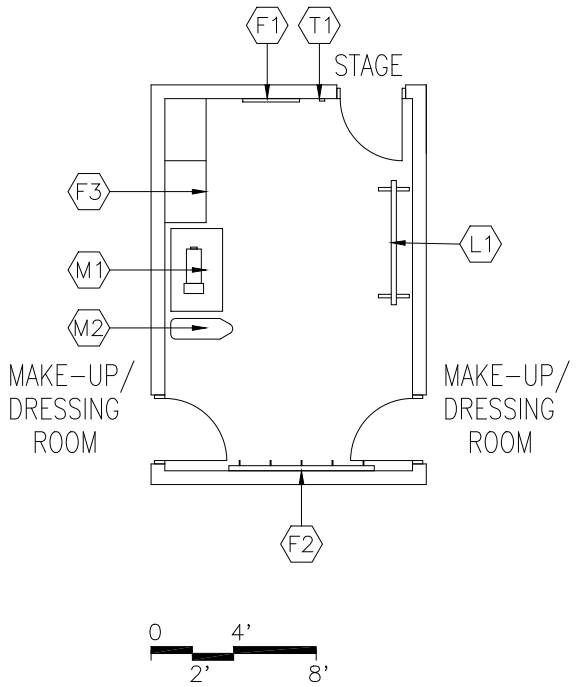
SPATIAL RELATIONSHIPS:
- Adjacent and access to Stage
- Adjacent and access to Scene Shop Storage
- Outside access (if feasible)

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Adequate ventilation and dust collection
- Minimum 20' clear ceiling height
- Doors should be 15' clear height and 10' wide to allow for moving flats to stage
- Electrical outlets for equipment
- Open floor space to allow for construction

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability

Working Draft

COSTUME ROOM



CAPACITY:
- Students
- Staff

SIZE:
- Varies

ANCILLARY SPACE:
- Make Up/Dressing Room

GOAL:
- To provide a secure area for storing and retrieving costumes

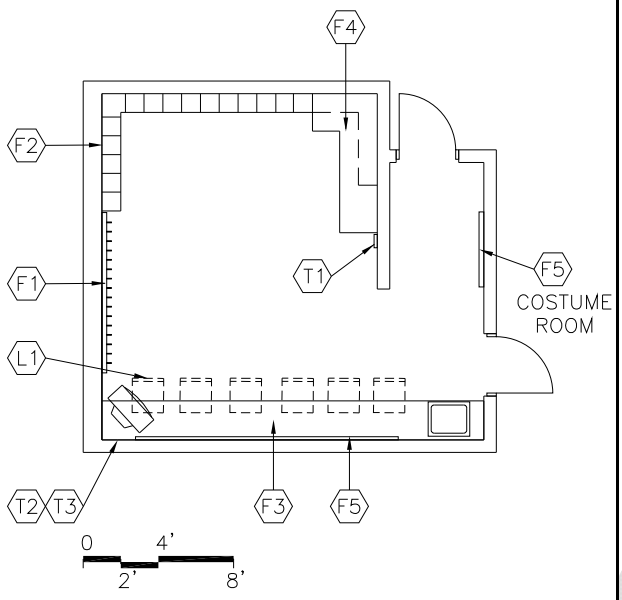
PROGRAM ACTIVITY:
- Storage for costumes

SPATIAL RELATIONSHIPS:
- Adjacent to Make Up/Dressing Room

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

Working Draft

MAKE UP/DRESSING ROOM



CAPACITY:
- 10-15 students

SIZE:
- Varies

ANCILLARY SPACES:
- Costume Room

GOAL:
- To provide a space for performers to change into their costumes and put on make-up to prepare for performances

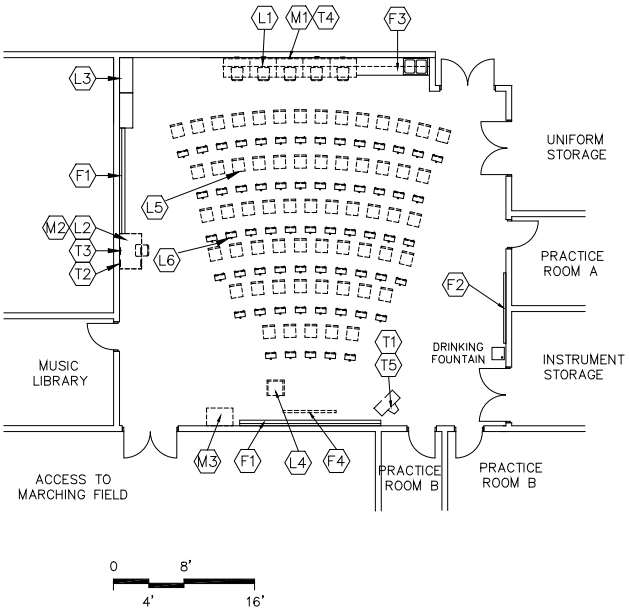
PROGRAM ACTIVITIES:
- Putting on make-up
- Changing clothes
- Physical warm-up before performances
- Doubles as a green room

SPATIAL RELATIONSHIPS:
- Adjacent to Drama Room
- Near Restrooms
- Locate behind stage
- Adjacent and access to Costume Room
- Near Prop Room
- Adjacent to Scene Shop Storage

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Surround lighting at make-up stations

Working Draft

BAND/ ORCHESTRA ROOM



CAPACITY:
- Up to 60 students
- Teacher

SIZE:
- Varies

ANCILLARY SPACES:
- Uniform Storage
- Instrument Storage
- Instrument Practice Room
- Music Library

GOAL:
- To serve as the learning and practice area for instrument classes

PROGRAM ACTIVITIES:
- Individual and small group practice
- Performance
- Teaching and learning to read music
- Jazz and chamber ensembles
- Keyboarding
- Independent study

SPATIAL RELATIONSHIPS:
- Adjacent and access to Storage
- Adjacent and access to Instrument Practice Room
- Adjacent and access to Music Library

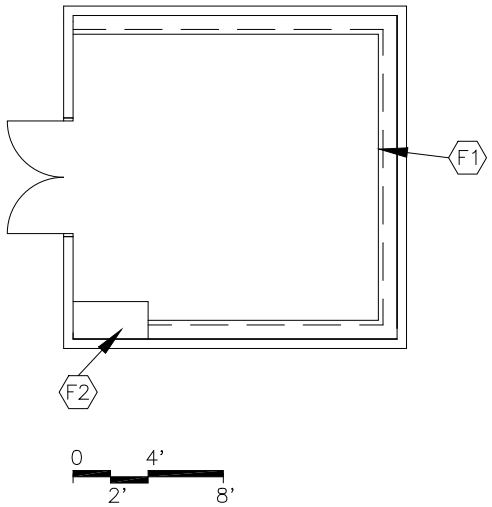
ENVIRONMENTAL CONSIDERATIONS:
- Uniform multilevel lighting
- Environmental sound control:
  Wall minimum: STC 50
  Ceiling minimum: CAC 35
- 8' high double doors throughout this area with removable mullions
  - Baffled ductwork
  - Sound proof HVAC system
- Appropriate acoustics and sound attenuation
- Adequate ventilation
- Electrical outlets for equipment
- Appropriate acoustical treatment
- Non-parallel surfaces (walls/ceiling) for acoustical benefits
- Sound seals on doors

TECHNOLOGY and BUILT-IN EQUIPMENT

- See regular Classroom

Working Draft

UNIFORM STORAGE



CAPACITY:
N/A

SIZE:
- 300 SF

ANCILLARY SPACES:
- Band/Orchestra Room

GOAL:
- To provide secure and adequate storage for uniforms

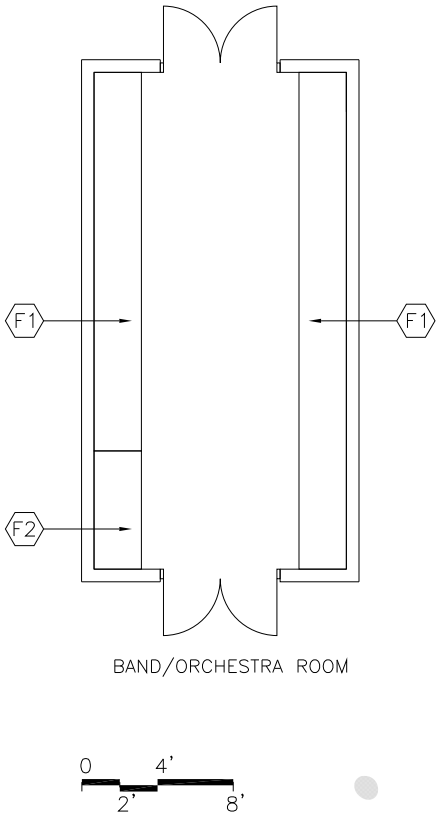
PROGRAM ACTIVITY:
- Storing and accessing uniforms

SPATIAL RELATIONSHIPS:
- Adjacent to Band/Orchestra Room

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation

Working Draft

INSTRUMENT STORAGE



CAPACITY:
N/A

SIZE:
- Varies

ANCILLARY SPACES:
- Band/Orchestra Room

GOAL:
- To provide secure and adequate storage for instruments

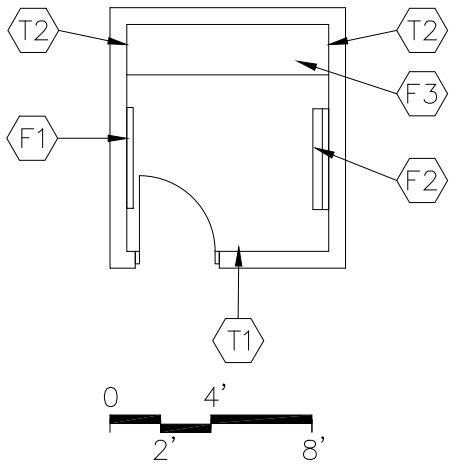
PROGRAM ACTIVITY:
- Storage of instruments

SPATIAL RELATIONSHIP:
- Adjacent and access to Band/Orchestra Room
- Provide entrance and separate exit to the Band/Orchestra Room

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation

Working Draft

INSTRUMENT PRACTICE ROOM



CAPACITY:
- 1 - 2 Students
- Teacher

SIZE:
- 75-125 SF
- 400 SF percussion room

ANCILLARY SPACES:
- Band/Orchestra Room (H-PA-18)

GOAL:
- To provide an area for individual student practice and rehearsals

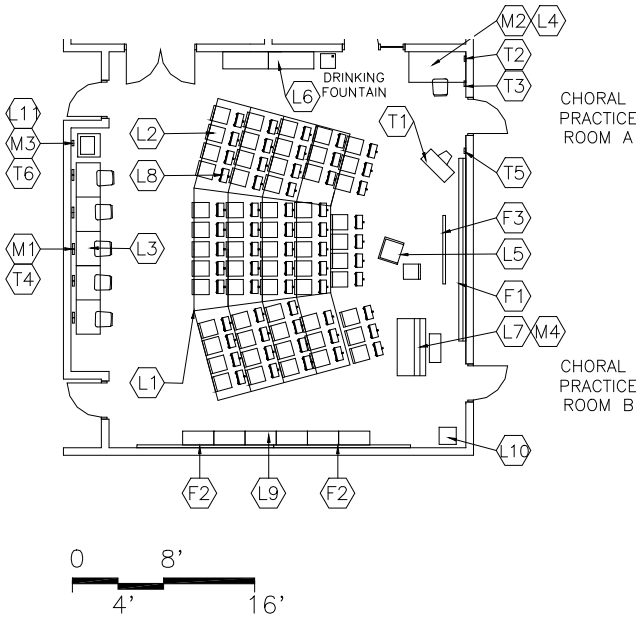
PROGRAM ACTIVITY:
- Instrumental practice/rehearsals

SPATIAL RELATIONSHIP:
- Adjacent and access to Band/Orchestra Room

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 50
  - Ceiling minimum: CAC 35
- Adequate ventilation
- Auditory privacy

Working Draft

CHORAL/KEY BOARDING ROOM



CAPACITY:
- up to 20-30 students
- Teacher

SIZE:
- Varies

Electrical requirements for keyboarding lab: see staff

GOAL:
- To provide a space that will serve as the learning/ practice area for choral and keyboarding classes

PROGRAM ACTIVITIES:
- Rehearsals
- Practice for sectional groups
- Solos
- Instruction

SPATIAL RELATIONSHIPS:
- Near Auditorium Stage
- Adjacent and access to Practice Rooms

ENVIRONMENTAL CONSIDERATIONS:
- Uniform multilevel lighting
- Environmental sound control:
  Wall minimum: STC 50
  Ceiling minimum: CAC 35
- Baffled ductwork
- Quiet HVAC system
- Electrical outlets for equipment
- Appropriate acoustical treatment
- Higher than normal ceiling height, possibly sloped
- Drinking fountain in adjacent area
- Non-parallel surfaces (walls/ceiling) for acoustical benefits
- Sound seals on doors

TECHNOLOGY and BUILT-IN EQUIPMENT
- See regular Classroom

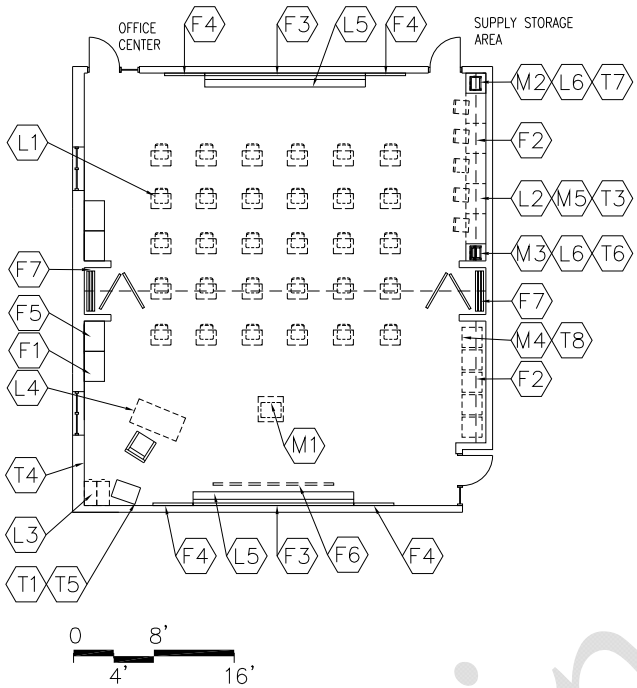
Working Draft

ROTC Space Requirements

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Office	1	250	250	
Learning Center/Classrooms	2	800	1600	May be one room with a movable wall
Uniform Storage	1	250	250	
Armory storage	1	150	150	
Total			**2,250**	

Note: At Roosevelt, the armory has been subdivided to house a fitness center. This space is shared by the ROTC staff and the PE staff.

Working Draft



CAPACITY:
- Up to 30 students
- 1 teacher

GOALS:
- To promote good citizenship behaviors such as: community service; pride in country, school and self; respect for others and national symbols such as the flag; and completing high school
- To provide a basic knowledge of the nation's military organizational structure
- To develop leadership and management skills
- To enhance self-confidence, self-discipline, and interpersonal skills

PROGRAM ACTIVITIES:
- Classroom instruction in leadership/ followership theory, general military subjects proficiency, the history of flight, the science of flight, space operation, and leadership education.

SPATIAL RELATIONSHIPS:
- All JROTC facilities should be located adjacent to each other

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Windows to provide natural light and egress
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Electrical outlets for equipment

Working Draft

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring (as is)	096519
Base	
Resilient base	096519
Ceiling: (9' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123

Loose Furnishings:

L1	24 student desks and chairs
L4	Teacher desk and ergonomic task chair
L5	Adjustable height bookshelves (24 LF)
L6	Printer/scanner tables
	Student project storage
	Wastebasket

Features[1]:	
Fixed Equipment:	
F3 Marker board (24 LF)	101100
F4 Tack boards (16 LF minimum)	101100
F6 Manual projection screen	115213

Miscellaneous:

M1 Projection device on cart	Div. 27
M5 5 student multimedia computers	
Audio enhancement equipment	

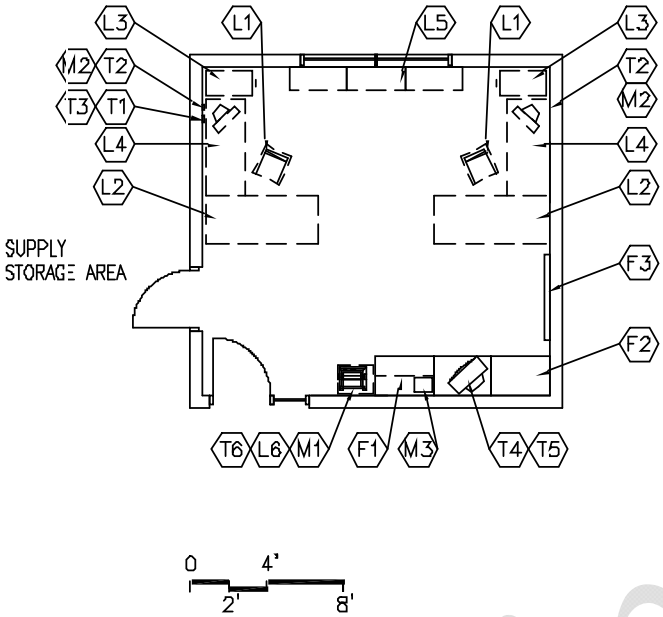
Features[1]:	Spec. Ref.#
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC: Div. 23	
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Fluorescent lighting	
Illumination levels: See table 7600-16	
Multilevel switching	
Duplex receptacles	
3 per primary teaching wall	
At least 2 per other walls	
TVSS protected quad receptacle adjacent to each data and video port	
Central sound system	
Clock	

Communications[2]:	Div. 27
T1 1 video port, monitor, VCR, and brackets	
T2 1 voice port and phone	
T3 5 data ports for student use	
T4 1 data port near teacher workstation	
T5 Cable/MATV port	
T6 1 data port for printer	
T7 1 data port for scanner	

Electronic Safety and Security:	Div. 28
Life safety devices per code	

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

Working Draft



This area needs visibility to all areas of the suite and sublevel.

CAPACITY:
- 3 staff/teachers
- 3-4 student leaders

ANCILLARY SPACES:
- Supply Storage Areas (H-JR-2)

GOAL:
- To provide space and facilities to direct and control the JROTC program.

PROGRAM ACTIVITIES:
- Administrative control
- Reports preparation
- Records control
- Cadet record keeping for the unit
- Cadet counseling

SPATIAL RELATIONSHIPS:
- Should be the central location for the JROTC facility with all other spaces located around it
- Adjacent and access to Supply Storage Area

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Windows to provide natural light

Working Draft

NOTES:

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

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	09658196
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
L1 2 Ergonomic chairs
L2 2 Desks
L3 3, 4-drawer file cabinets
L4 2 student workstations
L5 Adjustable height bookshelves (24 LF)
L6 Printer table
Wastebasket
2 Display cabinets (see staff for dimensions)

Miscellaneous:
M1 1 printer
M2 3-6 computers
M3 Fax

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Base/wall cabinets	123200
F2 Casework:	
2 lockable wardrobes	123200
F3 Tack board (4 LF)	101100
Display cases (additional cases in corridor)	

Fire Suppression: Div. 21
Fire suppression system

Plumbing:
N/A

HVAC: Div. 23
Supply/return air system
Independent temperature control

Electrical: Div. 26
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Duplex receptacles
TVSS protected quad receptacle adjacent to each data and video port
Central sound system
Clock

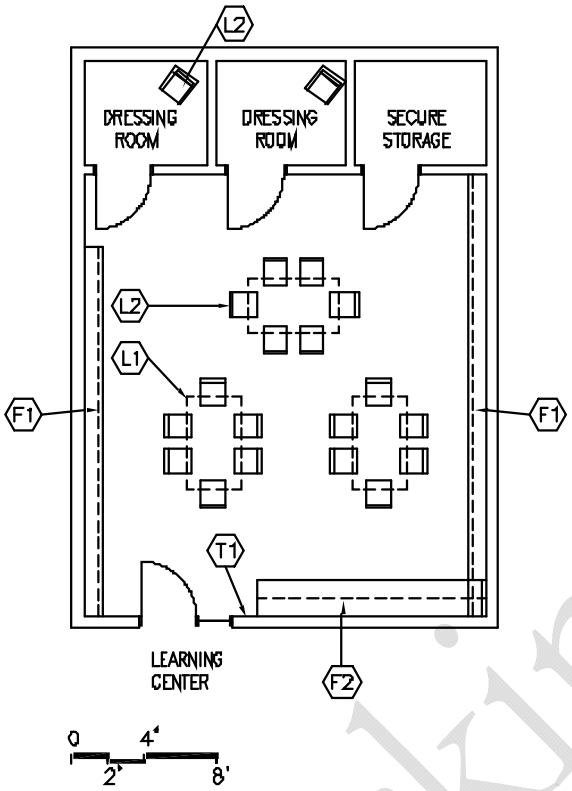
Communications[2]: Div. 27
T1 1 voice port and phone
T2 6 data ports
T3 1 direct voice port (not through school switch board)
T4 Video port, monitor, VCR, and brackets
T5 Cable/MATV port
T6 1 data port for printer

Electronic Safety and Security: Div. 28
Life safety devices per code

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

Working Draft

UNIFORM STORAGE AREA H-JR-2



GOAL:

- To provide adequate, secure storage for the uniforms, supplies, and equipment, necessary for the functioning of the JROTC Unit

PROGRAM ACTIVITIES:

- Storage of all classes of uniform and uniform items
- Storage of consumable and non-consumable supplies necessary for the unit to function

SPATIAL RELATIONSHIPS:

- Adjacent and access to Office Center

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 450
  Ceiling minimum: CAC 35
- Secure monitored alarm system

Working Draft

NOTES:

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

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
Wastebasket

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Closet shelving	
Double rods	062023
F2 Casework:	
Base/wall, file cabinets, and shelves	123200

Fire Suppression: Div. 21
Fire suppression system

Plumbing:
N/A

HVAC: Div. 23
Supply/return air system

Electrical: Div. 26
Single level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Duplex receptacles
Security system
Clock

Communications[2]: Div. 27
T1 1 voice port and phone

Electronic Safety and Security:
N/A

NOTES:

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

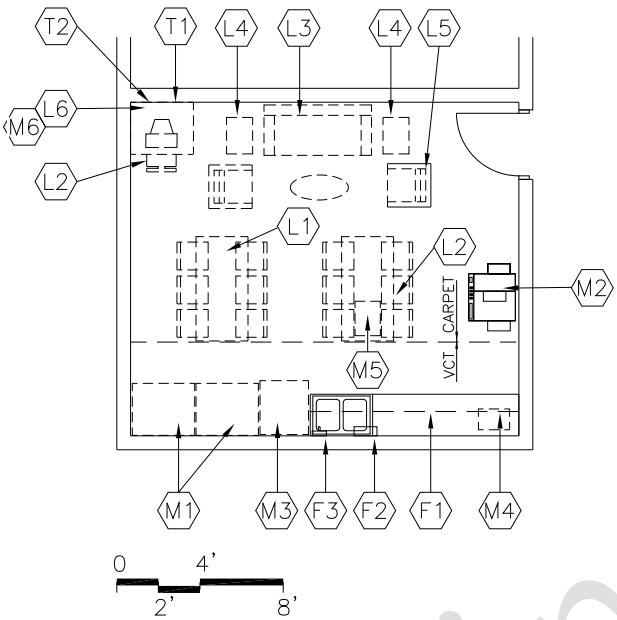
Working Draft

Family Support Center

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Day Care Center	1	2000	2000	
New Heights/Parent Center	1	800	800	
Office/storage (New Heights)	1	270	270	100 SF Closet
Total			**3070**	

Working Draft

NEW HEIGHTS/PARENT RM



GOAL:
- Support space for students with families
- Parent Resource center

PROGRAM ACTIVITY:
- Meeting with student parents, families, and pregnant students
- Focus group discussions

SPATIAL RELATIONSHIPS:
- Near cafeteria

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

CAPACITY:
- 15-20 persons

SIZE:
- Varies, see table

Working Draft

NOTES:

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

NEW HEIGHTS/PARENT RM

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base 096519	
Ceiling: (8' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
- L1 2 conference tables
- L2 12-14 chairs
- L3 Sofa
- L4 End tables
- L5 2 lounge chairs
- L6 Computer workstation furniture
  - Wastebasket
  - Area rug
  - 4 drawer file cabinet

Miscellaneous:
- M3 Refrigerator
- M6 Computers and printers

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Casework	
	Base/wall cabinets	123200
F2	Towel dispenser	102800
F3	Soap dispenser	102800
F4	Tack board (8 LF)	101100
	16' linear book shelving	

Fire Suppression: Div. 21
Fire suppression system

Plumbing: Div. 22
Plumbing connections
Sink

HVAC: Div. 23
Supply/return air system
Independent temperature Control
Exhaust air system

Electrical: Div. 26
Duplex receptacles
TVSS protected quad receptacle adjacent to data port
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Clock
Central sound system

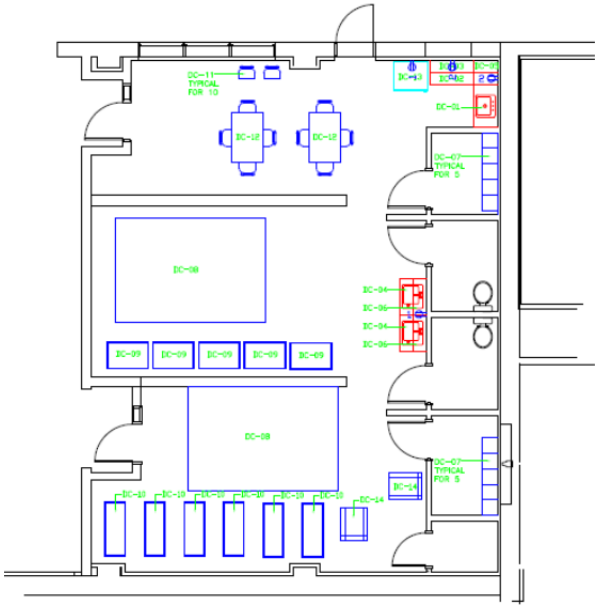
Communications: Div. 27
- T1 Voice port and phone
- T2 Data ports near two workstations

Electronic Safety and Security: Div. 28
Life safety devices per code

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

Working Draft

DAYCARE CENTER



PROGRAM ACTIVITIES:
- Birth to 18 months (crib area)
- Toddlers area 1 (cots)
- Toddlers area 2 (play area)
- Bathrooms

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
- Window treatment to darken room

CAPACITY:
- 5 staff
- 10-15 children
- Parents/other staff

SIZE:
- 1,175 SF (Intent for SF)

ANCILLARY SPACES:
- Restrooms E-ACA-16 (50 SF)

SPATIAL RELATIONSHIPS:
- See illustration
- Locate at first floor for emergency evacuations, if possible

Working Draft

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

DAYCARE CENTER

Finishes[1]:	Spec. Ref.#
Flooring:	
Rubber tile	096519/096816
Base:	
Resilient base	096519
Ceiling (9' high minimum):	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000/099123

Loose Furnishings:

- 2 Bound carpet rugs
- 6 toddler Cots
- 5 cribs
- 2 rocking chairs
- 2 small student tables
- 10 small student chairs/2 adult chairs
- Mobile tote tray storage
- Learning center sets such as play kitchen and blocks.
- Wastebasket

Communications:[2] Div. 27

- Video port, monitor, VCR/DVD, and brackets
- Voice port and phone
- Data port in play area
- Cable/MATV port
- Central sound system
- Clock

Miscellaneous:

- Computer for teachers use
- TV in play area

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Casework: Base/wall cabinets by sink; Sturdy shelving on 2 walls in storage	123200
F2	Carpentry: Student cubbies (10)	064123
F3	Casework: Wall shelving (24 LF- H 30-32")	123200
F4	Marker board (each area)	101100
F5	Tack board flanking marker boards	
F7	Soap dispenser	102800
F8	Towel dispenser	102800
F9	Casework: Wardrobe (18"X18")	123200

Fire Suppression: Div. 21

Fire suppression system

Plumbing: Div. 22

Sink with drinking fountain
Plumbing connections
Wall-mounted watercloset
Wall-mounted lavatory
See

HVAC: Div. 23

Supply/return air system
Independent temperature control
Exhaust air system (toilet)

Electrical: Div. 26

Duplex receptacles
- 3 per primary teaching wall
- At least 2 per other walls

TVSS protected quad receptacle adjacent to each data and video port
Multilevel switching
Fluorescent lighting
- Illumination level: See Table 7600-16

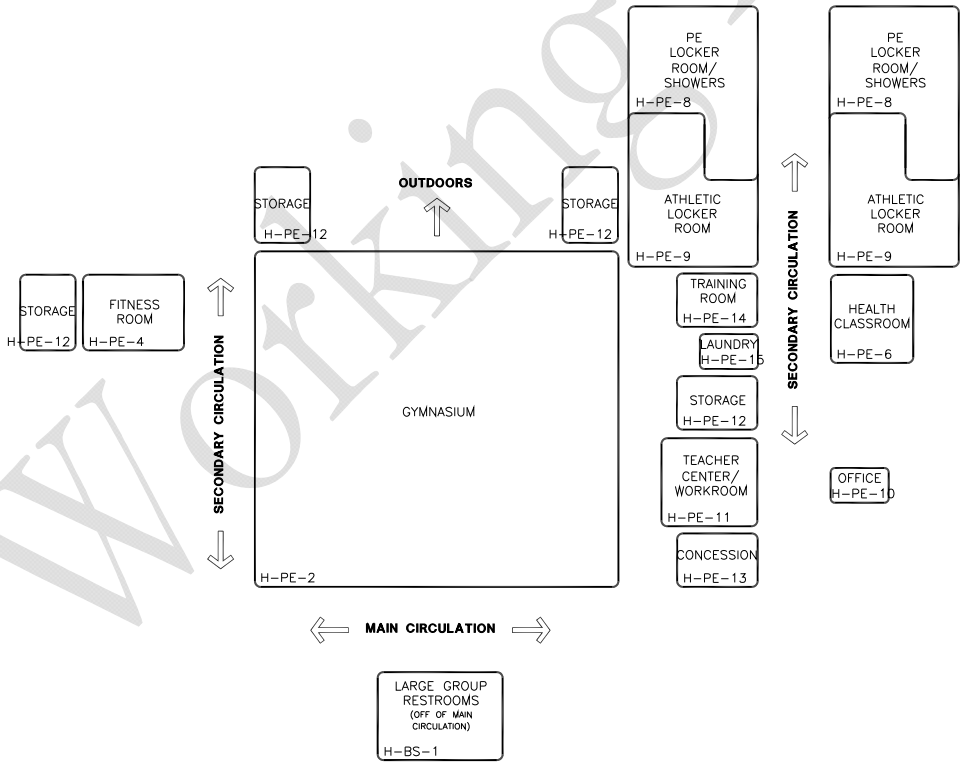
Electronic Safety and Security: Div. 28

Life safety devices per code

Working Draft

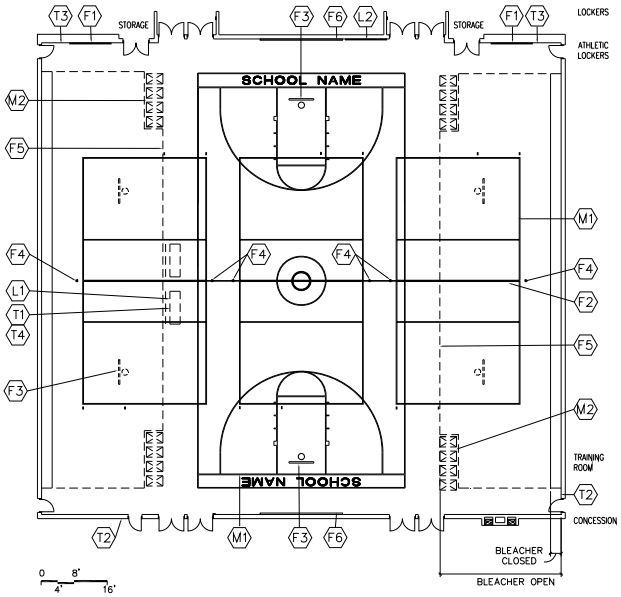
Physical Education Space Requirements

Space				Comments
	Qty.	S.F.	Total	
Gymnasium	1	11,000	11,000	Or SF as is
Fitness Room	1	1,600	1,600	
Dance/Aerobics	1	2,400	2,400	½ court dimensions
Health Classroom	1	800	800	
PE Locker Room/Showers	2	1,400	2,800	Male and female
Athletic Locker Room/uniform storage	2	Varies	2,200	Male and female (May share showers w/ PE)
Pool Locker Rooms				
Dept. Office	2	150	300	
Workroom/coaches offices	1	400	400	
Basketball/football offices/storage	2	300/400	700	
Storage	2-4	varies	1,700	
Concession	1	200	200	
Training Room	1	600	600	Includes office
Laundry	1	150	150	
Total			**24,850**	



Working Draft

GYMNASIUM



CAPACITY:
- Students
- Teachers and staff
- Community

SIZE:
- Varies

ANCILLARY SPACES:
- Athletic Lockers
- Storage
- Training Room

GOAL:
- To serve as physical education facility during the school day, a practice and recreation area during non-school hours

PROGRAM ACTIVITIES:
- Physical education classes, lectures/teaching
- Interscholastic competition and daily practices
- Community programs and activities, secured for after hour use

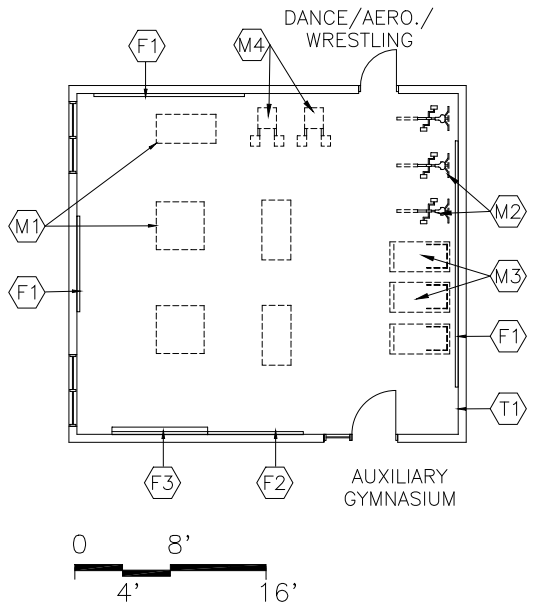
SPATIAL RELATIONSHIPS:
- Near PE Locker Room/Showers
- Near outdoor athletic fields
- Near visitor parking and public and family restrooms (inside security gates)

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting with multilevel controls
- Environmental sound control:
  Wall minimum: STC 50
- Clear height of 25' from floor to nearest obstruction
- Must be able to isolate the gymnasium from the rest of the school after hours
- Electrical outlets for equipment
- Drinking fountain in adjacent corridor
- Capacity of bleachers shall be minimum of the student capacity plus staff (if feasible)

BUILT-IN EQUIPMENT
- A quality P/A sound system to service the gymnasium shall be provided.
- The walls and ceilings will require acoustical treatment.
- Padding on walls behind the goals and on the backboards shall be provided.
- Some tack strips on the walls are required to fasten banners
- The gymnasium will require Glass lexon basketball backboard (2), with break-away rims, forward swing, main court, Fiberglass basketball backboard (4), forward swing, side, cross court
- Each backboard (6) is to be raised and lowered electrically and shall retract away from bleachers.
- The gymnasium will require a multi-sport scoreboard.
- The gymnasium includes a 50 x 94 ft. basketball court with 6' safety perimeter on the sides and 8' safety perimeter on the ends.
- Provide block outs for three sets of volleyball standards and nets.
- The bleacher seating shall be electrically operated and fold back to provide a flat surface.
- Clock (with protective cage)

Working Draft

FITNESS ROOM



CAPACITY:
- Up to 20-30 persons

ANCILLARY SPACES:
- Dance/Aerobics/Wrestling Room

GOAL:
- To serve as a physical education teaching area and a wellness/workout area for students and community members.

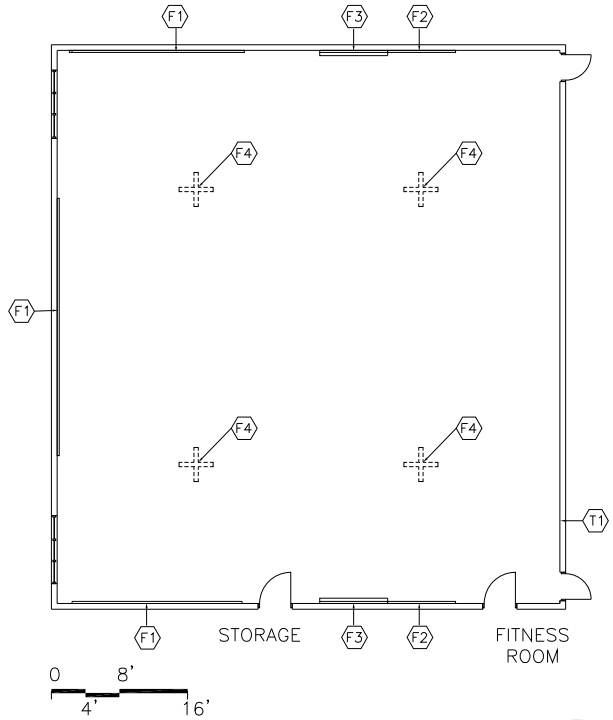
PROGRAM ACTIVITIES:
- Physical education classes learning to develop muscular, respiratory, and cardiovascular systems
- Community and staff members learning to develop and maintain health and fitness

SPATIAL RELATIONSHIPS:
- Adjacent and access to Dance/Aerobics/Wrestling Room
- Near entrance to building
- Near parking area
- Must be able to isolate the Fitness Room from the rest of the school after hours

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

Working Draft

DANCE/AEROBICS



CAPACITY:
- Students
- Teachers and staff
- Community

SIZE:
- Varies

ANCILLARY SPACES:
- Fitness Room
- Storage

GOAL:
- To serve as a physical education teaching area, strength development area for athletes, and a wellness/workout for students and community members

PROGRAM ACTIVITIES:
- Physical education classes learning to develop muscular, respiratory, and cardiovascular systems
- Members of athletic teams improving performance and to rehabilitate injured body areas
- Community and staff members developing and maintaining health and fitness

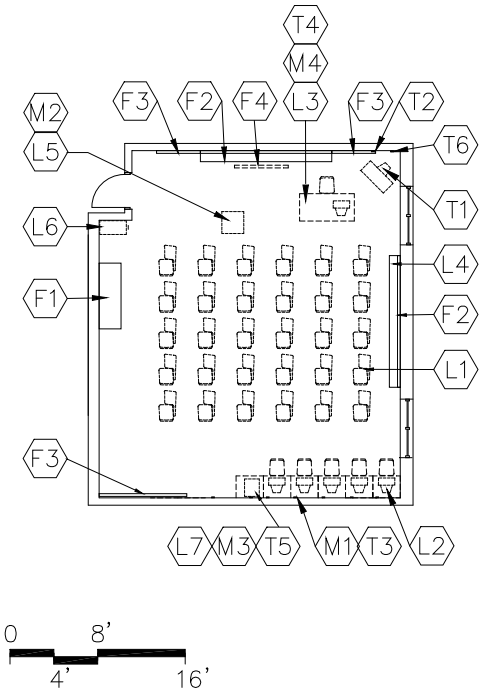
SPATIAL RELATIONSHIPS:
- Near PE Locker Rooms/Showers
- Adjacent and access to Fitness Room
- Adjacent and access to Storage

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Flooring to allow for flexible uses
- Adequate ventilation
- Electrical outlets for equipment
- Drinking fountain in adjacent corridor
- Windows to provide natural light (if feasible)

BUILT-IN EQUIPMENT
- Sound system
- Mirrors on one wall
- Wood floor
- Ceiling fans

Working Draft

HEALTH CLASSROOM



CAPACITY:
- Students
- Teachers
- Parents/other staff

SIZE:
- 800 SF

ANCILLARY SPACES:
- Multipurpose Gymnasium (M-PEH-1)

GOAL:
- To provide a flexible space to accommodate physical education classes

PROGRAM ACTIVITIES:
- Health instruction
- Project teams
- Post game team briefings
- Department meetings

SPATIAL RELATIONSHIP:
- Near Gymnasium

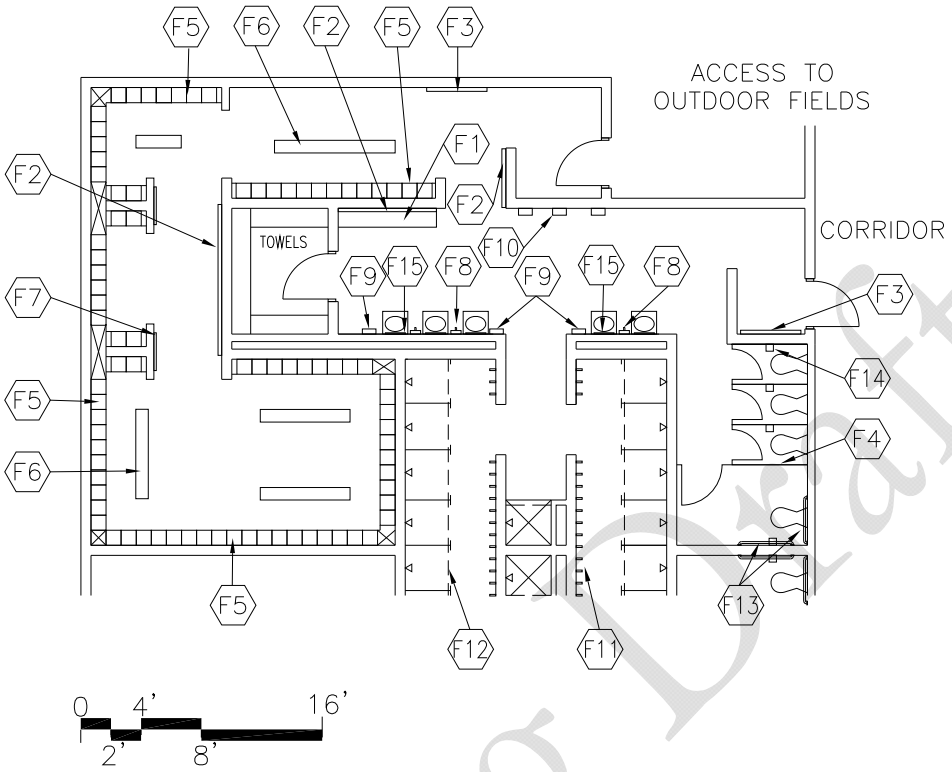
ENVIRONMENTAL CONSIDERATIONS:
- Windows to provide natural light and egress
- Electrical outlets for equipment
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Proportion classroom for effective viewing and listening from all areas of the classroom

TECHNOLOGY AND BUILT-IN EQUIPMENT

See regular classroom

Working Draft

PE LOCKER ROOM/SHOWERS



CAPACITY:
- 30-40 students
- Others as appropriate

SIZE:
- Varies

ANCILLARY SPACES:
- Gymnasium
- Athletic Lockers

GOAL:
- To provide a safe and clean area for students to change, store clothes, and shower

PROGRAM ACTIVITIES:
- Change clothing
- Showering
- Clothing storage
- Minor medical treatment

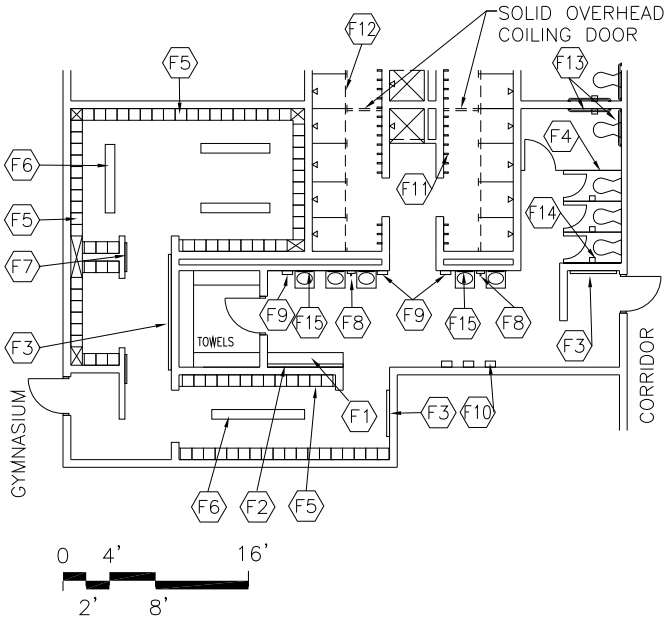
SPATIAL RELATIONSHIPS:
- Adjacent and access to Athletic Lockers
- Adjacent and access to Gymnasium
- Access to the outdoor fields

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Adequate ventilation/exhaust
- Cleanable building surfaces
- Locate lockers on wall in vestibule outside of toilet shower room
- Towel storage in adjacent area

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

Working Draft

ATHLETIC LOCKERS



CAPACITY:
- Athletic teams
- Visiting teams
- Other as appropriate

SIZE:
- Varies

ANCILLARY SPACES:
- Gymnasium
- PE Locker Room/Showers

GOAL:
- To provide a safe and clean area for students to change, store clothes, and shower for home and visiting athletic teams and others as appropriate

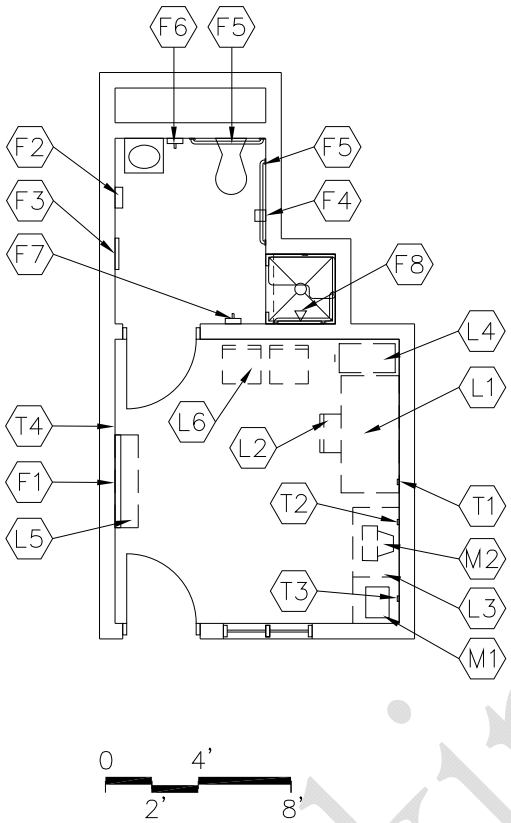
PROGRAM ACTIVITIES:
- Change clothing
- Showering
- Clothing storage
- Minor medical treatment

SPATIAL RELATIONSHIPS:
- Adjacent and access to Gymnasium
- Adjacent and access to PE Locker Room/Showers
- Near outdoor fields
- Provide separation between locker rooms to accommodate up to four teams

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Adequate ventilation
- Cleanable building surfaces
- Handicapped accessible
- Locate lockers on wall in vestibule outside of toilet/shower room
- Towel storage in adjacent area

Working Draft

DEPARTMENT OFFICES



CAPACITY:
- 1-2 Teachers
- Student teachers

SIZE:
- 150-250 SF

ANCILLARY SPACES:
N/A

GOAL:
- To provide a work area for physical education teachers and staff to conduct administrative duties

PROGRAM ACTIVITIES:
- Scheduling
- Planning
- Ordering
- Maintaining records
- Meeting

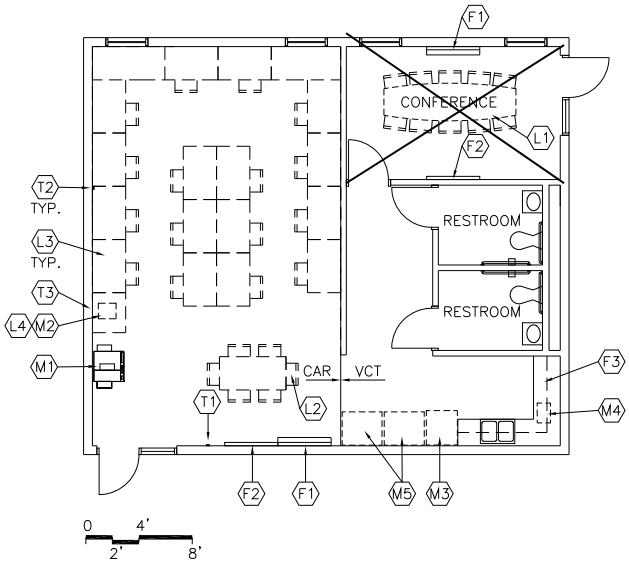
SPATIAL RELATIONSHIP:
- Near Locker Rooms/Showers

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

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability

Working Draft

COACHES//WORKROOM



CAPACITY:
- Coaches
- Teachers

SIZE:
- Varies

ANCILLARY SPACES:
N/A

GOAL:
- To provide space for teachers and coaches to carry out their administrative duties, prepare materials for class, access the Internet, lock up personal items, and to socialize and relax

PROGRAM ACTIVITIES:
- Store files (floating teachers or shared department files)
- Grade papers
- Enter and access data
- Prepare lessons using computer, video, and other resources
- Contact community resources via telephone and e-mail
- Socializing and relaxing
- Eating lunch

SPATIAL RELATIONSHIPS:
- Near PE spaces
- Contains restrooms, kitchenette, shared workstations and conference room

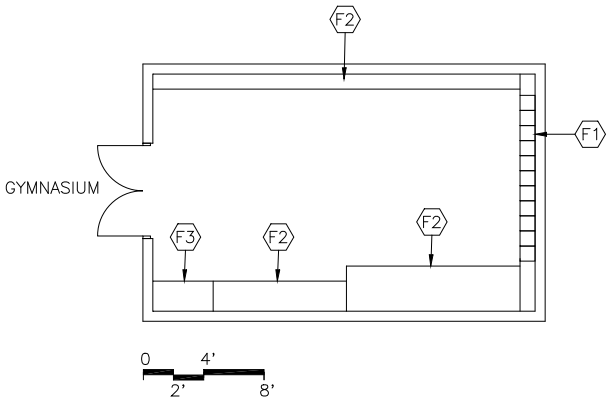
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light and egress
- Ventilation for kitchenette

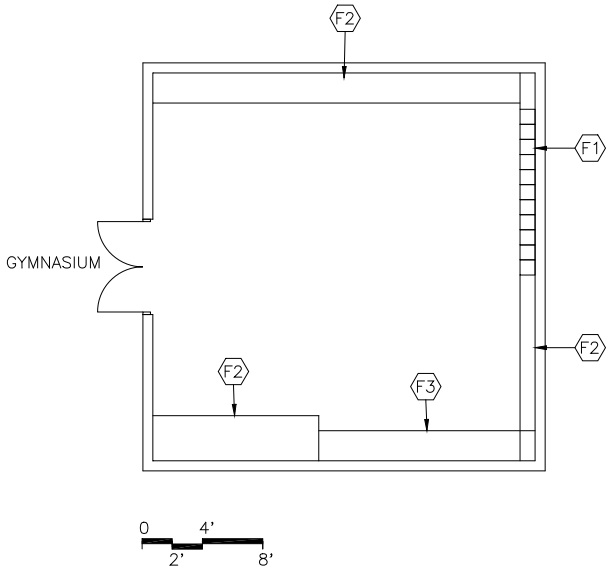
TECHNOLOGY AND BUILT-IN EQUIPMENT

- See teachers' work rooms

Working Draft

STORAGE





CAPACITY:
N/A

SIZE:
- Varies

ANCILLARY SPACES:
- Gymnasium (H-PE-2)
- Auxiliary Gymnasium (H-PE-3)

GOAL:
- To provide space to adequately store PE and athletic equipment (PE and athletic equipment needs to be stored separately)

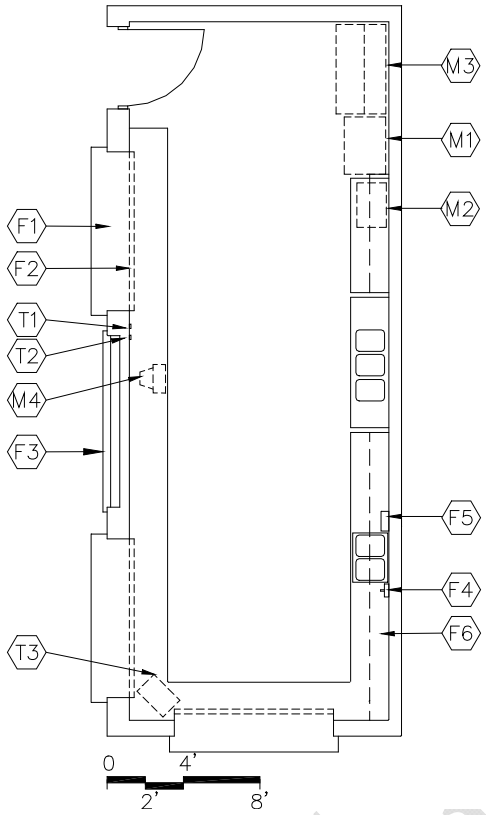
PROGRAM ACTIVITIES:
- Storage for equipment
- Storing sound system and other equipment in the physical education/athletic area

SPATIAL RELATIONSHIPS:
- Adjacent and access to Gymnasium
- Adjacent and access to Auxiliary Gymnasium
- Near PE areas

ENVIRONMENTAL CONSIDERATIONS:
- Climate control to dry uniforms and other equipment which get wet during use
- Separate storage areas for inactive sports, physical education, and athletics
- Uniform lighting
- Open space
- Provide secure storage
- Flexibility of storage use

Working Draft

CONCESSIONS



CAPACITY:
- Students
- Patrons

SIZE:
- Varies

ANCILLARY SPACES:
N/A

GOALS:
- To provide space for the public to purchase refreshments and tickets during events
- To provide display areas to celebrate triumphs of the school
- To provide a location for a video trophy case

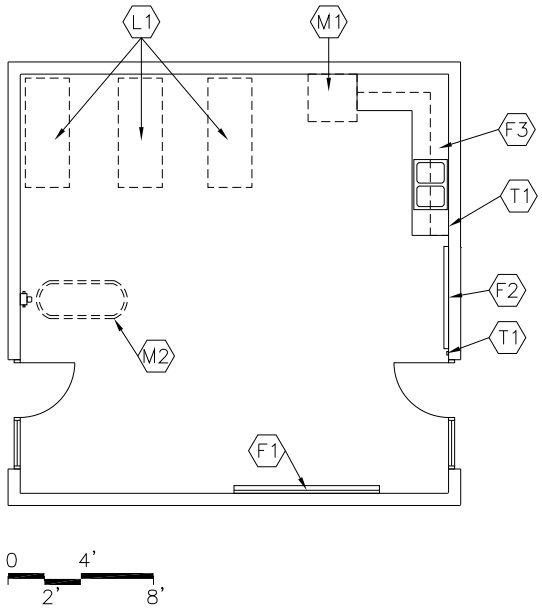
PROGRAM ACTIVITIES:
- Ticket sales
- Displaying school recognition awards
- Refreshment sales
- Common gathering place for community and school athletic events

SPATIAL RELATIONSHIPS:
- Near Gymnasium
- Near Restrooms
- Near public pay phones

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation/exhaust
- Large door to transport large boxes and equipment to and from the area
- Electrical outlets for equipment
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Food service department and public health, requirements, as applicable
- Cleanable building surfaces
- Good signage
- Good traffic flow
- Easy to supervise

Working Draft

TRAINING ROOM



CAPACITY:
- 1-2 Students
- Teacher/trainer

SIZE:
- Varies

ANCILLARY SPACES:
- Gymnasium

GOAL:
- To provide a place for treatment of injuries

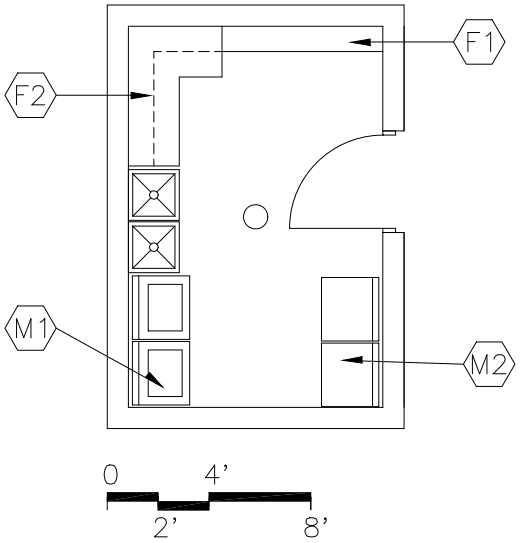
PROGRAM ACTIVITIES:
- Taping of joints
- Minor rehabilitation

SPATIAL RELATIONSHIPS:
- Adjacent and access to Gymnasium
- Near PE Locker Room/Showers
- Near Athletic Lockers

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

Working Draft

LAUNDRY



CAPACITY:
- 1-2 Teachers/staff

SIZE:
- 150 SF

ANCILLARY SPACES:
N/A

GOAL:
- To provide space to wash/dry athletic/PE garments, towels, etc.

PROGRAM ACTIVITY:
- Washing and drying clothes

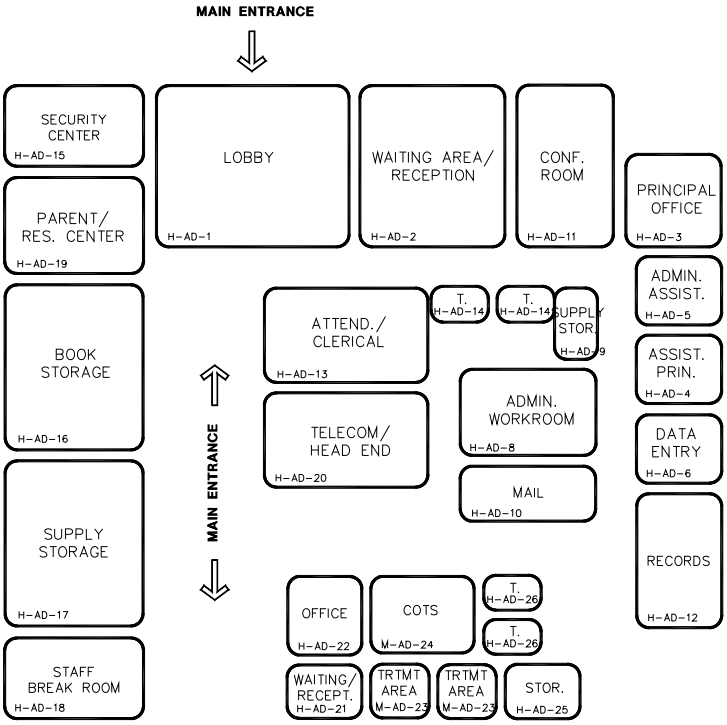
SPATIAL RELATIONSHIPS:
- Near PE Locker Room/Showers
- Near Athletic Lockers

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Cleanable building surfaces
- Electrical outlets for equipment
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Adequate ventilation/exhaust
- Cleanable building surfaces

Working Draft

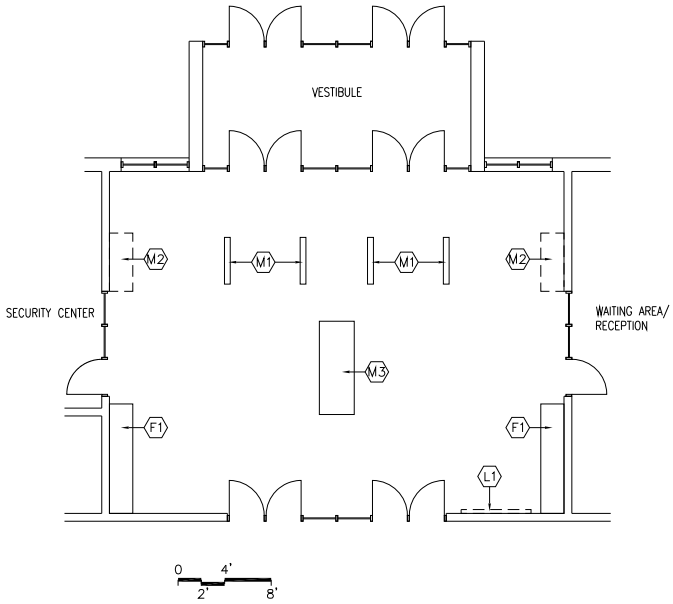
Administration Space Requirements

Space				Comments
	Qty.	S.F.	Total	
Lobbies	2	2,000	2,000	Main lobby/student entrance
Waiting Area/Reception	1	400	400	
Principal's Office	1	230	230	Includes toilet/shower
Conference Room	1	250	250	Adj. to principal
Business Managers Office/vault	1	150	150	
Administrative Workroom	1	300	300	
Administrative Supply Storage	1	75	75	
Mail Room	1	100	100	
Attendance Office/Registrar	1	250	250	
Records Storage	1	400	400	
Supply (General) Storage	1	450	450	
Staff Break Room	1	400	400	
Telecom/Head End Room(s)	1	300	300	
Total			**5,305**	



Draft

LOBBY



CAPACITY:
- General public
- School population

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

GOAL:
- To immediately greet visitors with a welcoming atmosphere and to provide easy accessibility for the public

PROGRAM ACTIVITIES:
N/A

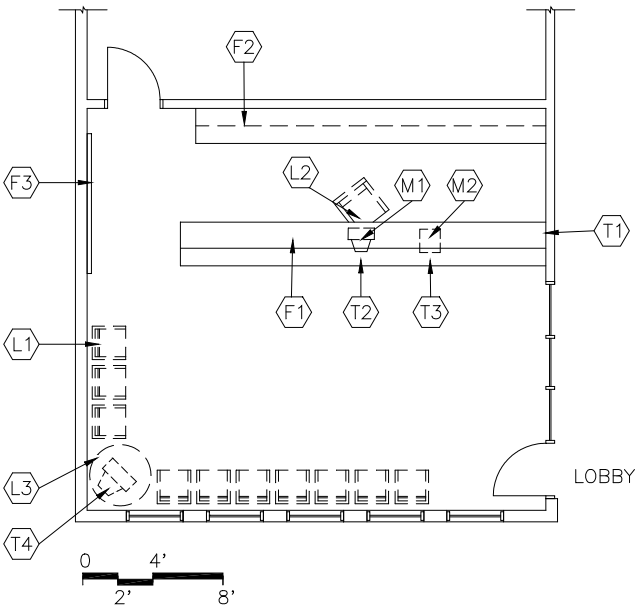
SPATIAL RELATIONSHIP:
- Adjacent and access to Security Office

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting with accent lighting as appropriate
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Aesthetically pleasing
- Provide exterior canopies at entrances
- Window to provide ample natural light
- Treat for sound attenuation

BUILT-IN EQUIPMENT

The architect is to work with the school and district security to develop a safe and respectful security arrangement for students, staff and visitors

Working Draft



GOAL:
- To provide a welcoming atmosphere and to serve as an information area for those coming into the school

PROGRAM ACTIVITIES:
- Greeting people and directing them to the proper location or person
- Waiting area for visitors and staff members

SPATIAL RELATIONSHIPS:
- Adjacent to Lobby
- Easy to locate and identify
- Maximize view to Lobby and entry
- Near Conference Room

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting, areas of soft lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Inviting to visitors
- Electrical outlets for equipment
- Windows to provide natural light

CAPACITY:
- General public
- Staff
- Students

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Entrance Lobby (H-AD-1)

Working Draft

NOTES:

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

WAITING AREA / RECEPTION
H-AD-2

Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet	096816
Base:	
Resilient base	096519
Ceiling: (8' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted gypsum wallboard over metal studs	092116 / 099123

Loose Furnishings:
L1 Visitor chairs
L2 Ergonomic task chair
L3 End table
Wastebasket

Miscellaneous:
M1 Computer
M2 Printer

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Reception desk	064123
F2 Casework:	
Base/wall cabinets	
File cabinets	123200
F3 Tack board (8 LF)	101100

Fire Suppression: Div. 21
Fire suppression system

Plumbing:
N/A

HVAC: Div. 23
Supply/return air system
Independent temperature control

Electrical: Div. 26
Duplex receptacles
Single-level switching
Spotlighting
Fluorescent lighting
Illumination level: See Table 7600-16
Clock
Central sound system
TVSS protected quad receptacle and adjacent to each data and video ports

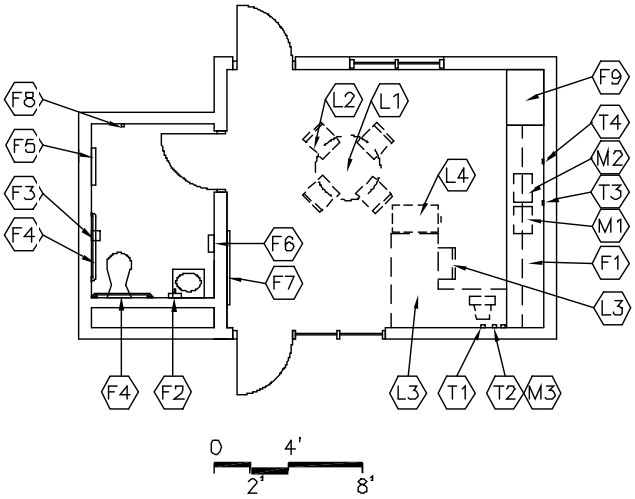
Communications[2]: Div. 27
T1 Voice port, and phone
T2 Data port near workstation
T3 Data port near printer
T4 1 video port, monitor, VCR, and brackets

Electronic Safety and Security: Div. 28
Life safety devices per code

NOTES:

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

Working Draft



CAPACITY:
- Principal
- Small groups (6-10 people)

SIZE:
- 230 SF

ANCILLARY SPACES:
- Administrative Assistant's Office (H-AD-5)

GOAL:
- To serve as the home base for the principal from which he/she can provide instructional leadership in a personal, flexible, and organized environment for students, staff, and community

PROGRAM ACTIVITIES:
- Conferences with staff and other visitors
- Telephone calls
- Administrative paperwork
- Planning
- Computer input
- Interaction with students

SPATIAL RELATIONSHIPS:
- Adjacent to Administrative Assistant's Office
- Near one Assistant Principal's Office
- Near Storage
- Near Conference Room

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light
- Private restroom
- Adequate exhaust (restroom)
- Auditory privacy

Working Draft

NOTES:

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

PRINCIPAL'S OFFICE
H-AD-3

Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet	096816
Office restroom:	
Vinyl composition tile	096519
Base:	
Resilient base	096519
Ceiling: (8' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted gypsum wallboard over metal studs	092116 / 099123

Loose Furnishings:
L1 Conference table
L2 4 side chairs
L3 Desk and chair
L4 Four-drawer locking file cabinet
Wastebasket

Miscellaneous:
M1 Fax
M2 Printer
M3 Computer

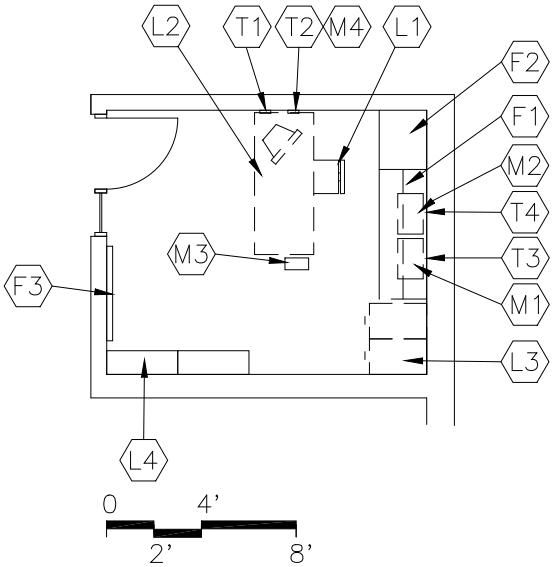
Communications[2]:	Div. 27
T1 Voice port and phone	
T2 Data port near workstation	
T3 Fax port	
T4 Data port for printer	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	123200
Base/wall cabinets and shelving	
F2 Soap dispenser	102800
F3 Toilet tissue holder	102800
F4 36" and 42" grab bars	102800
F5 24" x 60" mirror	102800
F6 Towel dispenser	102800
F7 Tack board (4 LF)	101100
F8 Coat hook	102800
F9 Casework:	
Wardrobe	123200
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Wall-mounted water closet	
Wall-mounted lavatory	
Plumbing connections	
Floor drain - in restroom	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Exhaust air system	
Electrical:	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	

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

Working Draft

BUSINESS MANAGER OFFICE



CAPACITY:
- Business Manager

SIZE:
- 150 SF

ANCILLARY SPACES:
- Waiting Area/Reception (H-AD-2)

GOAL:
- To serve as an area from which the Business manager can effectively provide support
- Vault

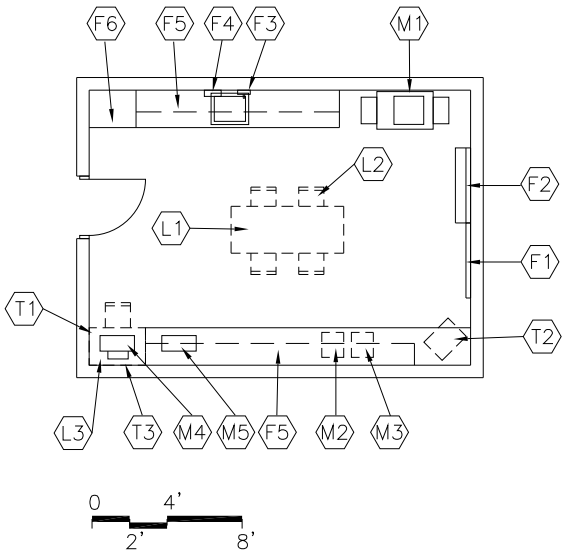
PROGRAM ACTIVITIES:
- Financial accounting and bookkeeper functions
- General office work
- Answering telephone
- Data input and retrieval

SPATIAL RELATIONSHIPS:
- Adjacent and access to Waiting Area/Reception
- Visual access to Waiting Area/Reception
- Adjacent to Principal's Office

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

Working Draft

ADMINISTRATIVE WORKROOM



CAPACITY:
- Secretaries and Administrators
- Volunteers
- Staff

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

GOAL:
- To provide an area for office projects to be completed

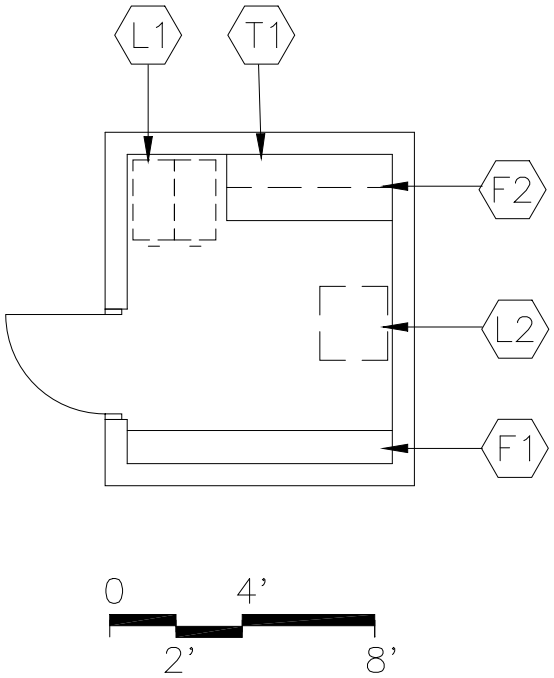
PROGRAM ACTIVITIES:
- Copying
- Collating
- Sorting of files
- Preparing communications for mailing
- Binding reports
- Telephone communications
- Laminating

SPATIAL RELATIONSHIPS:
- Near Waiting Area/Reception

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

Working Draft

ADMINISTRATIVE SUPPLY STORAGE



CAPACITY:
N/A

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Administrative Workroom (H-AD-8)

GOAL:
- To provide adequate and secure storage for office supplies

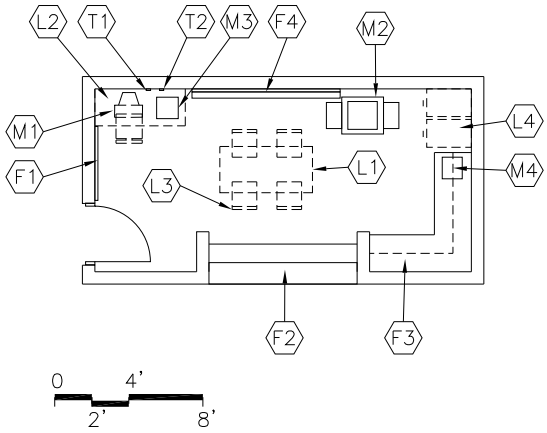
PROGRAM ACTIVITY:
- Storing of office supplies, forms, and files

SPATIAL RELATIONSHIPS:
- Adjacent and access to Administrative Workroom
- Located within Administrative Area

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Security of equipment and supplies

Working Draft

MAILROOM



CAPACITY:
- 2-3 Office Assistants

SIZE:
- varies, see table

ANCILLARY SPACES:
N/A

GOAL:
- To provide adequate space and equipment for office work projects and an area to disseminate incoming mail to staff members

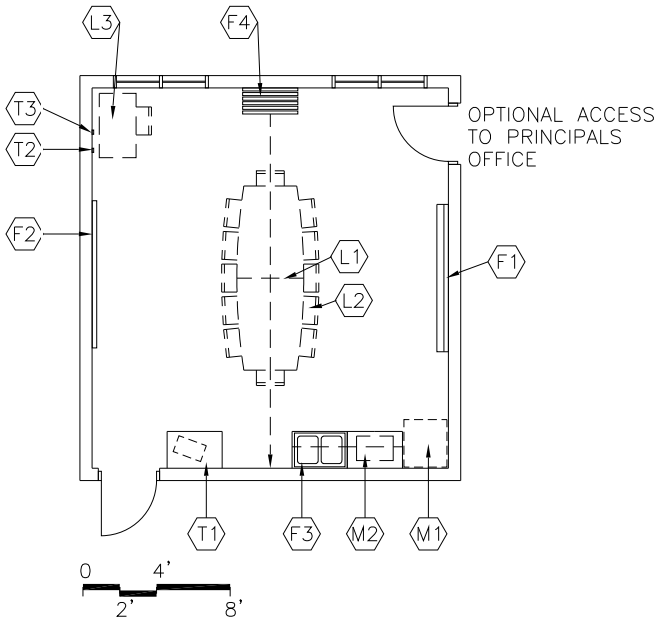
PROGRAM ACTIVITIES:
- Copying
- Collating materials
- Storing of pertinent files
- General office work
- Delivery of general mail

SPATIAL RELATIONSHIP:
- Located within/adjacent to the Administrative Area

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Locate mail boxes so that boxes can be filled from inside the mailroom and can be emptied by staff without having to enter the workroom
- HVAC to accommodate heat load

Working Draft

CONFERENCE ROOM



CAPACITY:
- Administration
- Counselors
- School staff
- Parents
- Students
- Visitors
- up to 12 persons

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

GOAL:
- To provide an area adequate for small group conferences

PROGRAM ACTIVITY:
- Small group meetings/conferences

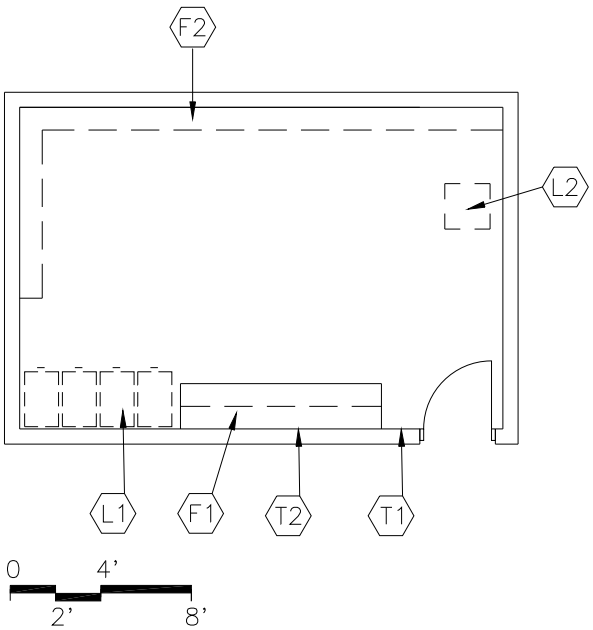
SPATIAL RELATIONSHIPS:
- Near Principal's Office

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

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- Design for computer aided presentations (electrical outlets from table for projection device, screen along short wall, light darkening capability)

Working Draft

RECORDS STORAGE ROOM



CAPACITY:
N/A

SIZE:
- Varies, see table

ANCILLARY SPACE:
N/A

GOAL:
- To provide secure, and adequate storage for records and office supplies

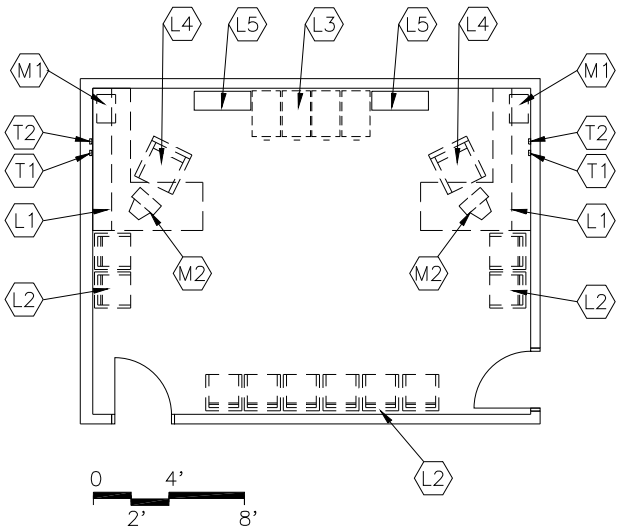
PROGRAM ACTIVITIES:
- Storing of office supplies, forms, files
- Storage of records

SPATIAL RELATIONSHIPS:
- Access to Administrative Workroom
- Near Data Entry Office

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Security

Working Draft

ATTENDANCE/REGISTRAR OFFICE



CAPACITY:
- 6 – 8 students and parents
- 2 attendance aides
- Clerical/attendance agent

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

GOAL:
- To serve as an area from which to track student attendance and to contact parents/guardians regarding their children's attendance patterns

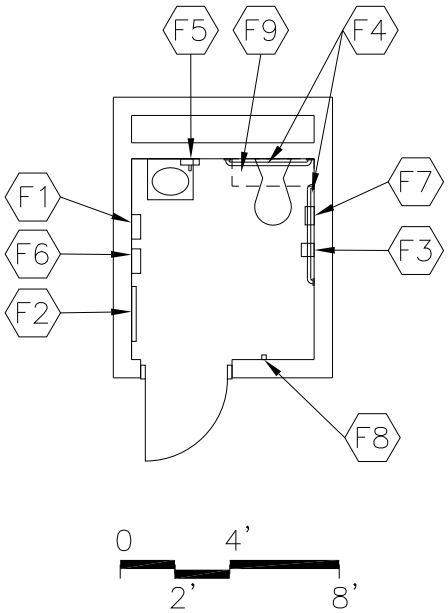
PROGRAM ACTIVITIES:
- Check-in and check-out for students entering and departing school
- Answering attendance question from students and parents
- Enhancing student attendance

SPATIAL RELATIONSHIPS:
- Readily accessible to public
- Entrance separate from Waiting Area/Reception
- Window into the corridor is desirable

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Easy access for students and parents
- Windows to provide natural light, desirable

Working Draft

TOILET



CAPACITY:
- Staff

SIZE:
- 50 SF

ANCILLARY SPACES:
N/A

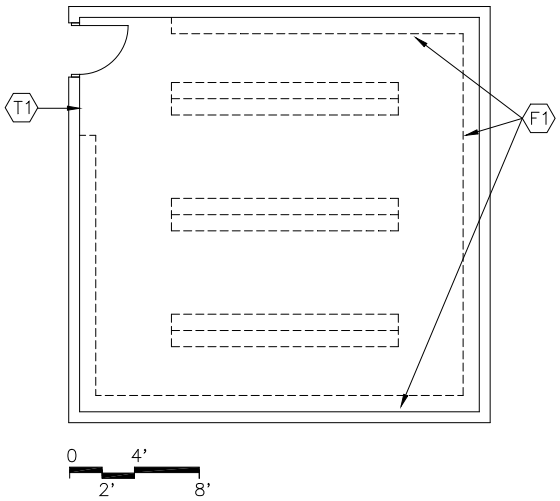
PROGRAM ACTIVITIES:
- Personal hygiene

SPATIAL RELATIONSHIPS:
- Near Staff Break Room

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

Working Draft

SUPPLY (General) STORAGE



GOAL:
- To provide secure storage for supplies

PROGRAM ACTIVITY:
- Storage of office and teaching supplies and forms
- Inventory

SPATIAL RELATIONSHIPS:
- Near Administration

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Electrical outlets

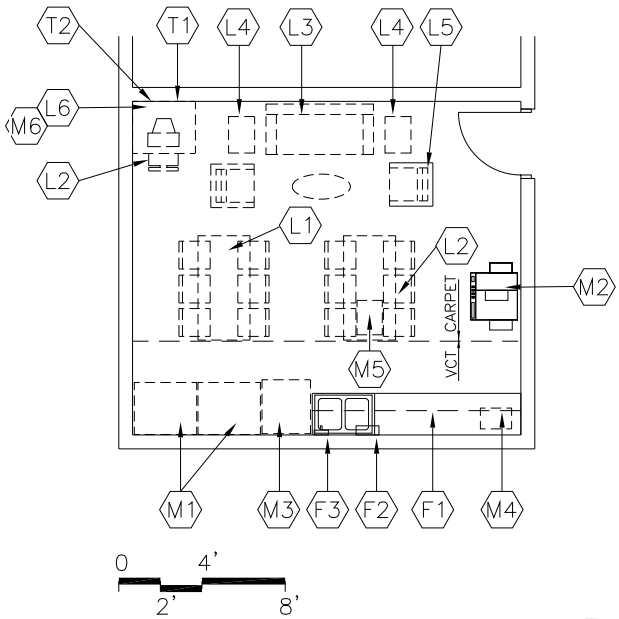
CAPACITY:
- Staff

SIZE:
- varies, see table

ANCILLARY SPACES:
N/A

Working Draft

STAFF BREAK ROOM



CAPACITY:
- 15 persons

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

GOAL:
- To provide as an area for staff to relax and prepare for classes

PROGRAM ACTIVITY:
- Eating
- Using the telephone
- Planning lessons
- Relaxing
- Interacting with peers

SPATIAL RELATIONSHIPS:
- Within Administration Area
- Access from corridor

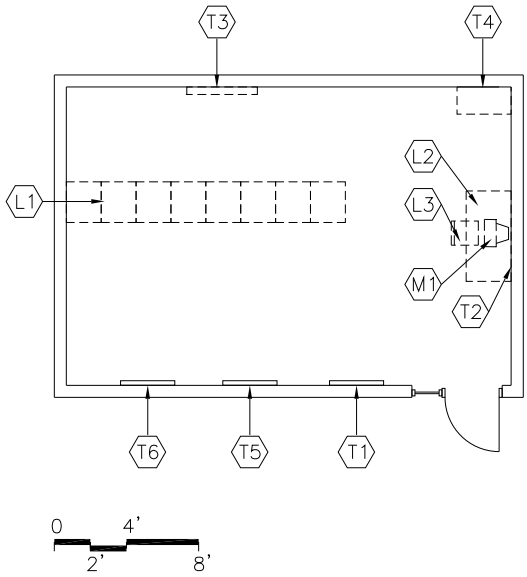
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light

TECHNOLOGY AND BUILT-IN EQIPMENT

See Teachers' work room

Working Draft

TELECOM HEAD END ROOM



CAPACITY:
- 1-2 staff members

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

GOALS:
- To provide a secure area to serve as the information hub of the school. File servers will serve the buildings computer network
- To provide satellite up and down links that will send and receive voice, video, and data. Fiber optic cable will serve the telephone, fax, and video of the school and other district buildings

PROGRAM ACTIVITIES:
- Voice, video, data reception and distribution
- Security system location
- Network management
- Telephone wiring entry and distribution
- Cable and CATV reception and broadcasting

SPATIAL RELATIONSHIPS:
- Near Media Center
- Located in administration area

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
- Security of door
- Access to ceiling and ceilings for modifications to systems and wiring

Working Draft

Health Suite Space Requirements

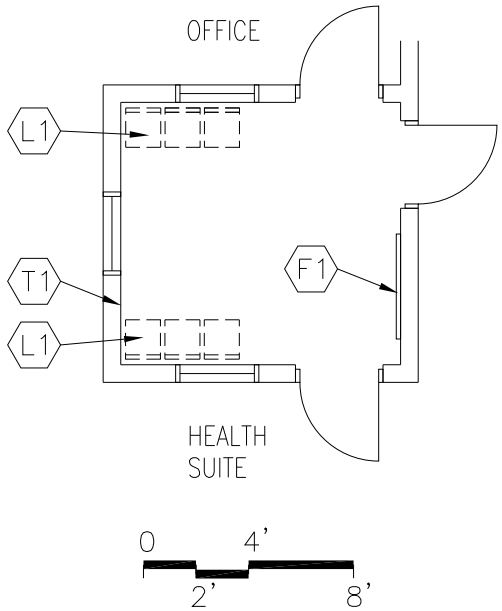
Space				Comments
	Qty.	S.F.	Total	
Health Suite			0	
Waiting Area/Reception	1	150	150	Shared
Office	1	125	125	
Treatment Area	1	150	150	
Cots	2	100	200	
Storage	1	50	50	
Toilet	1	64	64	
Health Clinic (School based clinic)			0	
Medical provider offices	2	150	300	
Med assistant cubicle	1	100	100	
Exam Rms.	3	80	240	
Lab	1	100	100	
Toilet	1	64	64	
Storage	2	varies	150	
Dental operatory	1	100	100	
Dental supplies	1	50	50	
Break area alcove	1	50	50	
Total			**1,893**	

The health suite should be designed so that all students enter the reception area. The school nurse and one of the medical provider offices should have visual control of this area. Students with appointments at the school clinic will check-in with the designated staff. All other 'drop-ins' will see the school nurse. These are two functions sharing a single access.

The reception should have a door to/near the outside to allow for after-hours use.

Working Draft

WAITING AREA/RECEPTION
Health Suite



CAPACITY:
- Nurse
- Students
- Support Staff
- Facility
- Administration

SIZE:
- 150 SF

ANCILLARY SPACES:
- Office (H-AD-22)

Note: The students at Dunbar HS are currently served by a city health clinic. Additional discussions with this provider may require more or different spaces.

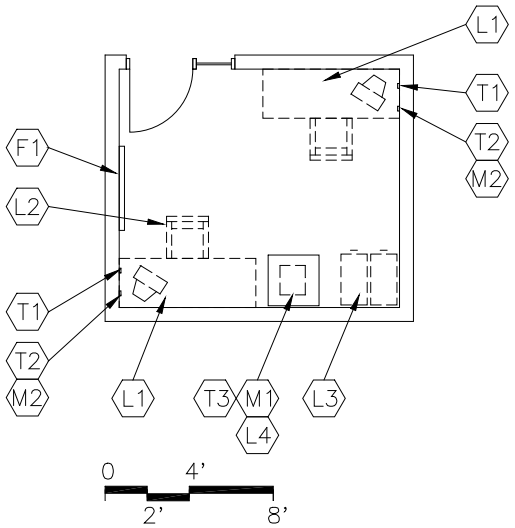
GOAL:
- To provide an area for students waiting to see the nurse or for parent pick-up

PROGRAM ACTIVITIES:
- Medical treatment
- Administering medication
- Resting

SPATIAL RELATIONSHIPS:
- First space one enters in Health Suite
- Near Administrative Area
- Adjacent and access to office

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Windows to provide natural light

Working Draft



CAPACITY:
- Staff

SIZE:
- 125-150 SF

ANCILLARY SPACES:
- Waiting Area/Reception (H-AD-21)

GOAL:
- To provide an office for the staff to perform clerical functions

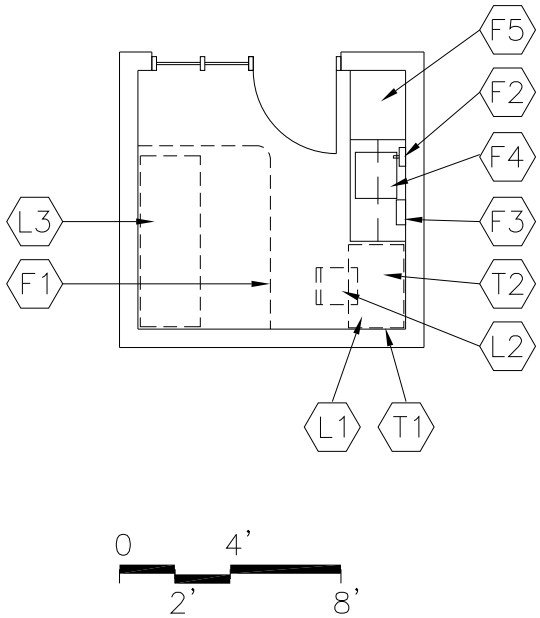
PROGRAM ACTIVITIES:
- Conferences with staff and other visitors
- Paperwork
- Computer input
- Telephone calls
- Planning

SPATIAL RELATIONSHIPS:
- Near Administration Area
- Adjacent and access to Waiting Area/Reception

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

Working Draft

TREATMENT AREA/Exam Rms
Health Suite



CAPACITY:
- 1 staff member/volunteer/nurse
- Students

SIZE:
- 80 SF

ANCILLARY SPACES:
N/A

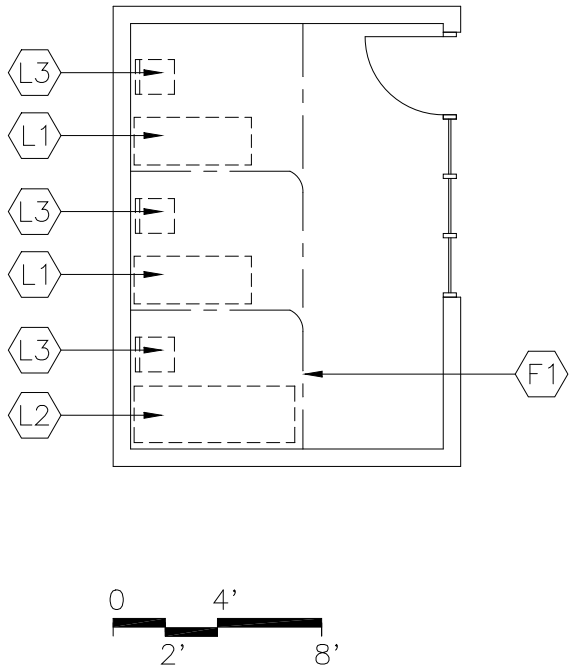
GOAL:
- To provide school based health services

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

SPATIAL RELATIONSHIPS:
- Located within Health Suite
- Near Waiting Area
- Adjacent to Administrative Area
- Near corridor

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 Administrative Workroom.
- Visual access to Waiting Area/Reception
- Wheelchair area within space

Working Draft



CAPACITY:
- Staff
- Students

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

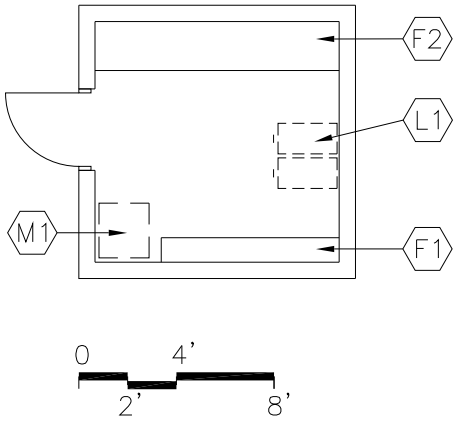
GOAL:
- To provide a place for students and staff to lie down when feeling ill

PROGRAM ACTIVITIES:
- Resting

SPATIAL RELATIONSHIPS:
- Located within Health Suite

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Stain-resistant floor covering
- Adequate ventilation
- Audio and visual privacy
- Visual access to Waiting Area/Reception or Welcome Center

Working Draft



CAPACITY:
- Nurse

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Treatment Area (H-AD-23)

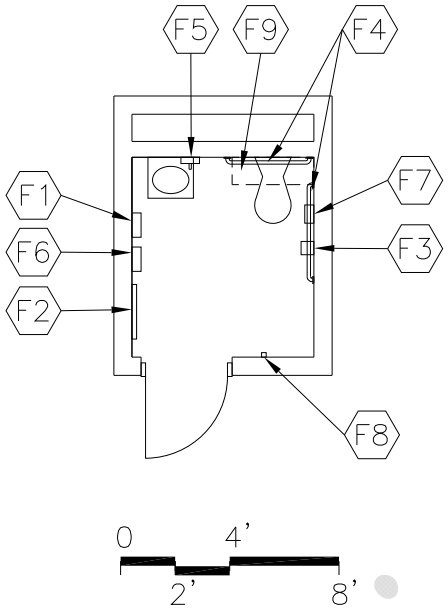
GOAL:
- To provide storage for medical supplies and equipment

PROGRAM ACTIVITIES:
- Storage

SPATIAL RELATIONSHIPS:
- Adjacent and access to Treatment Area

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Security of equipment, supplies, and medicines

Working Draft



CAPACITY:
- Staff
- Students

SIZE:
- 50 SF

ANCILLARY SPACES:
N/A

PROGRAM ACTIVITY:
- 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

Working Draft

Pathways Suites

Career to College Readiness Center

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Reception and Work Area	1	200	200	
Office	1	200	200	
Offices	3	120	360	Guidance/DCCap
Career Center	1	820	820	
Total			**1,580**	

Climate for Learning Center

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Offices	3	120	360	One per team
Teams	3	450	1350	
Total			**1,710**	

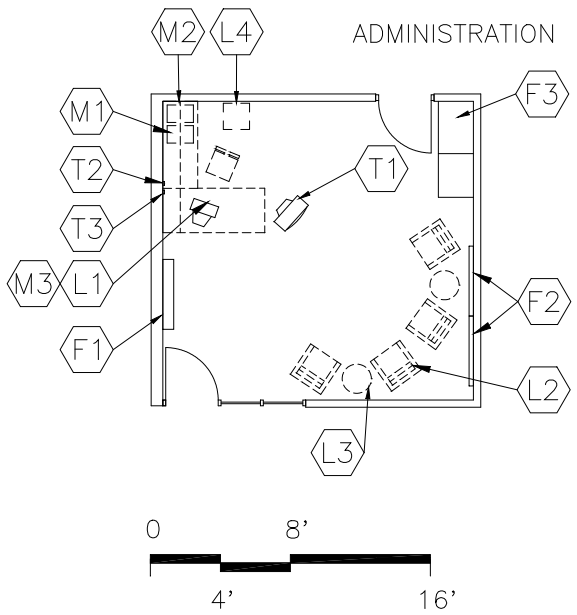
Transformation Center

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Office	1	150	150	
Conference Rm	1	400	400	
Total			**550**	

Academic Pathways Center

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Reception/workroom	1	250	250	Teacher Resource Materials
Executive Office/conference	1	200	200	Office large enough to also have a 6-8 person conference table
Offices	3	120	360	
Conference Rm.	1	800	800	20-35 person conferencing (in-person, tele, video, and virtual) dividing wall
Storage/vault	1	200	200	
Total			**1,810**	

Working Draft



CAPACITY:
- 1 Secretary/Clerical
- 10-12 students, parents, visitors, and/or staff
- 1 student assistant

SIZE:
- Varies, see table

ANCILLARY SPACES:
Adult bathrooms should be adjacent to work areas.

GOAL:
- To provide a comfortable waiting area for students and/or parents

PROGRAM ACTIVITIES:
- Reception and direction of students
- Reception and direction of parents
- Update student management records
- Collect and dispense student information, registration, report cards, and progress reports
- To receive and provide direction to students, parents, staff, and community

SPATIAL RELATIONSHIPS:
- Visual security for secretary when working on documents
- Near Academic Areas
- Provide secondary entrance from Administration Area
- Central location

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Visual access from Corridor

Working Draft

NOTES:

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

RECEPTION / WORK AREA

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
- L1 Desk and chair
- L2 Visitor chairs
- L3 Small table
- L4 Fireproof vault
  Wastebasket

Features[1]:	Spec. Re
Fixed Equipment:	
F1 Display case	123559
F2 Tack board (8 LF)	101100
F3 Casework:	
Wardrobe/tall cabinets	123200

Fire Suppression: Div. 21
- Fire suppression system

Plumbing:
- N/A

HVAC: Div. 23
- Supply/return air system
- Independent temperature control

Electrical: Div. 26
- Duplex receptacles
- TVSS protected quad receptacles adjacent to each data and video port
- Multilevel switching
- Fluorescent lighting:
  - Illumination level: See Table 7600-16
- Clock
- Central sound system

Communications[2]: Div. 27
- T1 Video port, monitor, and brackets
- T2 Voice port and phone
- T3 Data port at workstation

Electronic Safety and Security: Div. 28
- Life safety devices per code

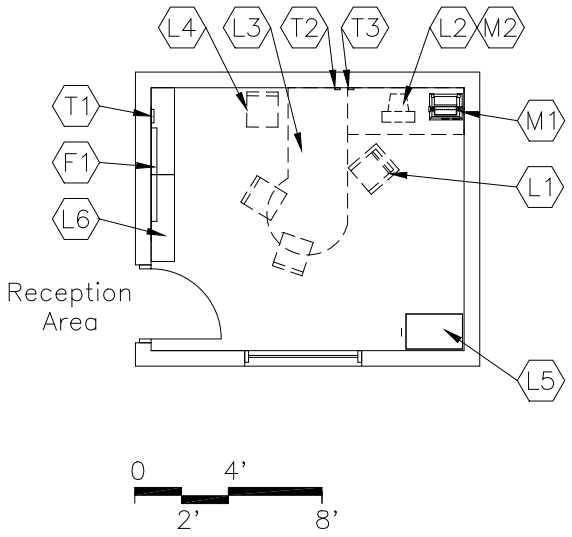
Miscellaneous:
- M1 Fax
- M2 Printer
- M3 Computer

NOTES:

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

Working Draft

OFFICES



CAPACITY:
- Supervising Staff

SIZE:
150-200 SF

GOAL:
- To provide a professional environment that is easily accessible to students, parents, staff, and community
- To have a private space for supervisory functions

PROGRAM ACTIVITIES:
- Visit with parents, students, staff
- Administrative paper work

SPATIAL RELATIONSHIPS:
- Within the Pathways suite
- Adjacent and access to Reception Area

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

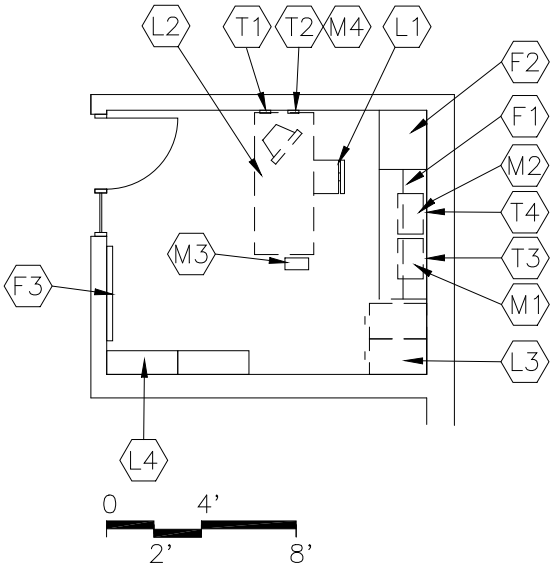
TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability

<u>Loose Furnishings</u>:
L1 Desk with conference table
L2 2 guest chairs
L3 Ergonomic task chair
L4 Adjustable height bookshelves (12 LF)
L5 1, 4-drawer locking file cabinet
L6 Computer workstation
Wastebasket

(larger offices may include a separate conference table)

Working Draft

OFFICE (small)



CAPACITY:
- Business Manager

SIZE:
- 120 SF

ANCILLARY SPACES:
- Waiting Area/Reception (H-AD-2)

GOAL:
- To serve as an area from which the Business manager can effectively provide support

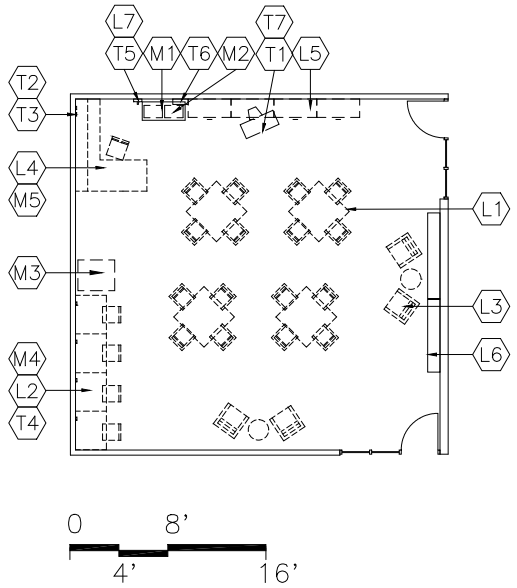
PROGRAM ACTIVITIES:
- Financial accounting and bookkeeper functions
- General office work
- Answering telephone
- Data input and retrieval

SPATIAL RELATIONSHIPS:
- Adjacent and access to Waiting Area/Reception
- Visual access to Waiting Area/Reception
- Adjacent to Principal's Office

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

<u>Loose Furnishings</u>:
L1 Ergonomic task chair
L2 Desk
L3 2, four-drawer locking file cabinets
L4 Adjustable height bookcases (24 LF)
Wastebasket

Working Draft



GOAL:
- To provide a space for career counseling and exploration opportunities for students

PROGRAM ACTIVITIES:
- Research on colleges or careers
- Career exploration groups
- Group sessions with college representatives
- Career seminars
- Classroom visitations

SPATIAL RELATIONSHIPS:
- Adjacent to Student Support Service Offices
- Near Large Group Restrooms
- Within Guidance/Student Services Suite
- Access from Corridor

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Comfortable, quiet environment
- Visual access from Corridor and Guidance/Student Services Suite

CAPACITY:
- Guidance counselors
- Students
- Parents
- College representatives

SIZE:
- 820 SF

ANCILLARY SPACES:
N/A

Working Draft

NOTES:

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

CAREER CENTER

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:

L1 Work tables and chairs
L2 Computer workstation furniture
L3 Lounge chairs
L4 Desk and chair
L5 Lateral file cabinets
L6 Adjustable height bookshelves (24 LF)
L7 Printer table
Wastebasket

Miscellaneous:

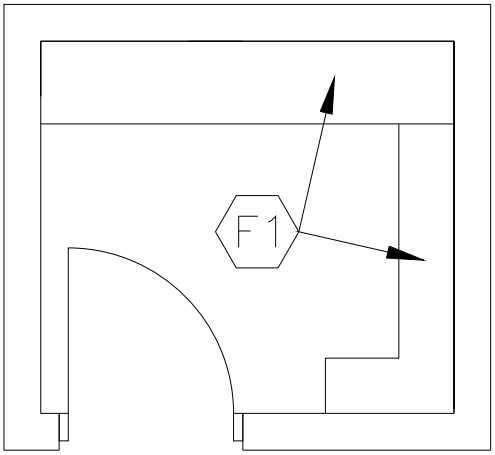
M1 Fax
M2 Printer
M3 TV/VCR on cart — Div. 27
M4 4 computers-students use
M5 1 computer-staff use

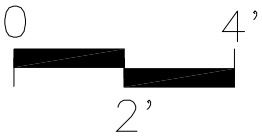
Features[1]:	Spec. Ref.#
Fixed Equipment:	
N/A	
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Duplex receptacles	
TVSS protected quad receptacles adjacent to each data and video port	
Multilevel switching	
Fluorescent lighting: Illumination level: See Table 7600-16	
Clock	
Central sound system	
Communications[2]:	Div. 27
T1 Video port, monitor, VCR, and brackets	
T2 Voice port and phone	
T3 Data port near aide workstation	
T4 Data port at each workstation	
T5 Fax port	
T6 Data port for printer	
T7 Cable/MATV port	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

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

Working Draft

STORAGE





CAPACITY:
- Staff

SIZE:
- Varies, see table

GOAL:
- To provide a place for storage of supplies and equipment for departments (English, math, social studies and world languages)

PROGRAM ACTIVITIES:
- Storing equipment and supplies

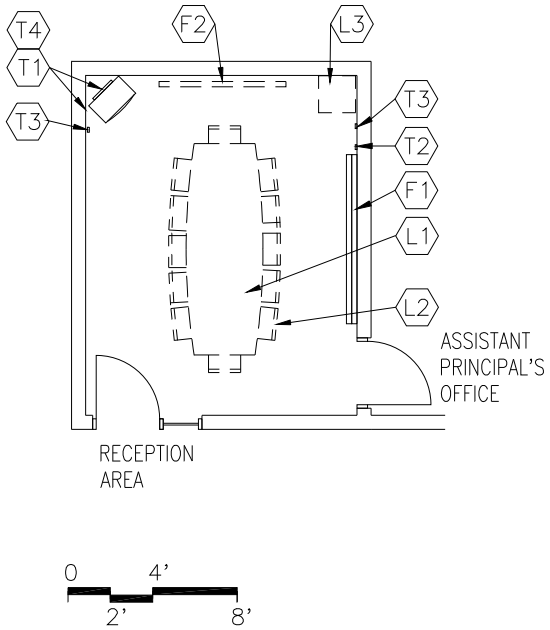
SPATIAL RELATIONSHIPS:
- Adjacent and access to Workroom

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation
- Security of equipment and supplies

Note: Some lockable storage should be located in the 10th grade academy for the mandatory test supplies. See staff for exact location and size.

Working Draft

CONFERENCE ROOM



CAPACITY:
- Staff
- Parents
- Students
- Visitors

SIZE:
- Varies, see table

Loose Furnishings:
L1 Conference table
L2 Chairs
L3 Computer workstation furniture
Adjustable height bookshelves
Wastebasket

GOAL:
- To provide a place for administrative conferences or meetings

SPATIAL RELATIONSHIPS:
- Adjacent and access to Workroom

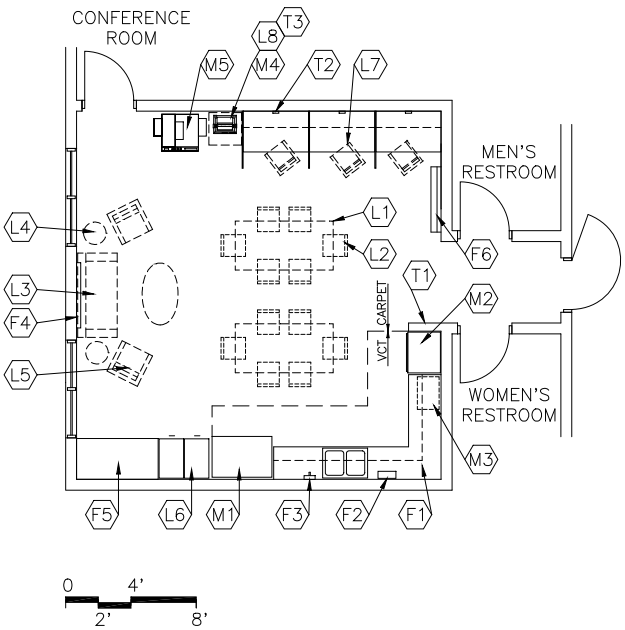
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Auditory privacy
- Windows to provide natural light, desirable
- Window treatment to darken room for AV presentation

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- Design for computer aided presentations (electrical outlets from table for projection device, screen along short wall, light darkening capability)

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Marker board (8 LF)	101100
F2 Tack board (8 LF)	101100
F3 Casework:	
Base/wall cabinets	123200
F4 Operable partition	102226

Working Draft

WORKROOM



CAPACITY:
- 5-12 Staff

SIZE:
- 200-450 SQ FT

GOAL:
- To provide space for staff to carry out their administrative duties, access the Internet, lock up personal items, and to socialize and relax.

Note: Networked printers will be located in the workrooms.

<u>Loose Furnishings</u>:

L1 Rectangular tables
L2 Chairs
L3 Some soft seating
L4 End tables
L6 4-drawer locking file cabinet
L7 Workstations
L8 Printer table
Wastebasket

PROGRAM ACTIVITIES:
- Store files
- Enter and access data
- Phone calls
- Eating lunch, socialize and relax

SPATIAL RELATIONSHIPS:
- Located within Pathway suites
- Located near individual restrooms
- Adjacent and access to Conference Room
- Access from Corridor
- Interior area assumes four activities:
  - Relaxation (soft seating)
  - Individual prep (cubicles with computer support)
  - Tables for team meetings
  - Counter with sink and small refrigerator

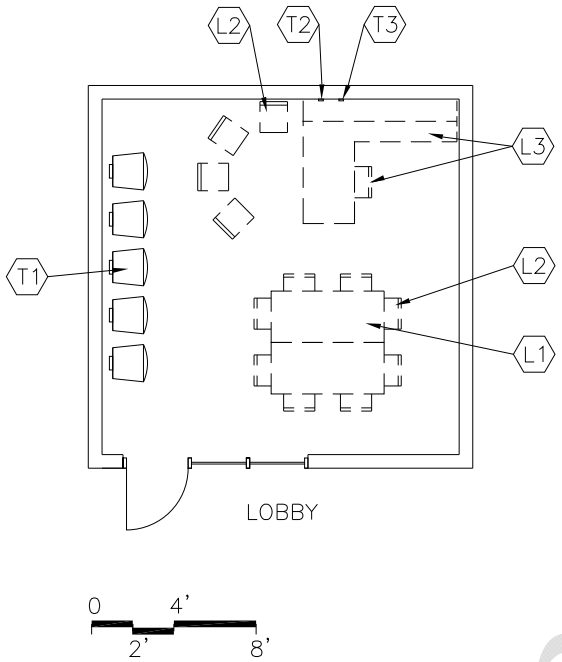
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting with multilevel controls
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light (if feasible)

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- This room should support laptop computers

BUILT-IN EQUIPMENT:
- Marker Boards (4 ft. X 4 ft.)
- A bulletin board (4 ft. X 4 ft.) should be provided if feasible.
- Sink, cabinets above and below, outlets along counter, refrigerator
- Counter top for sorting and cutting
- Clock

Working Draft

SECURITY TEAM ROOMS



CAPACITY:
- Up to 15 persons

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Lobby (H-AD-1)

GOAL:
- To serve as an area from which the school resource officers can perform their administrative and law enforcement functions

PROGRAM ACTIVITIES:
- Complete reports
- Monitor surveillance equipment
- Perform counseling
- Meet with parents, staff, and other law enforcement
- Officials

SPATIAL RELATIONSHIPS:
- Near administration offices
- Near entrance to main Corridor
- Adjacent and access to Lobby

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Auditory privacy
- Adequate ventilation
- Electrical outlets for equipment

Working Draft

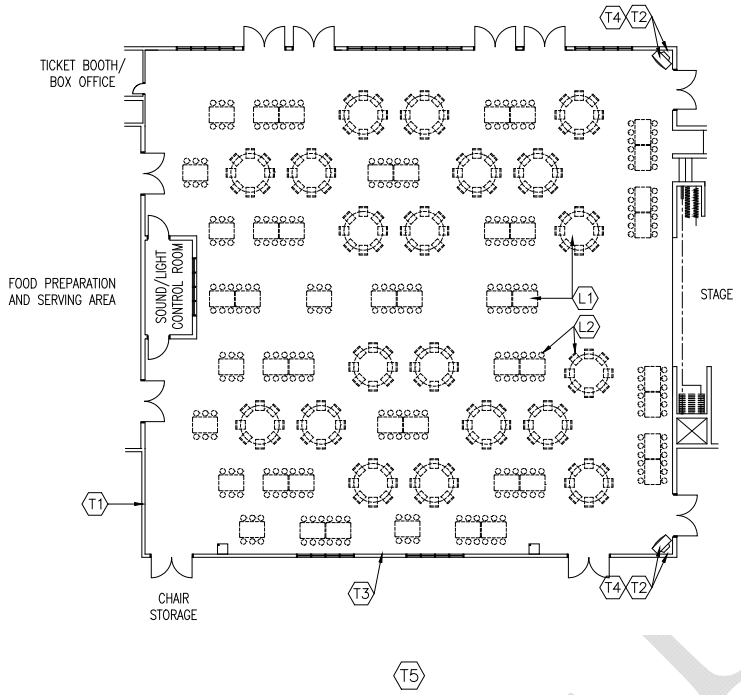
Student Dining & Food Service Space Requirements

Space				Comments
	Qty.	S.F.	Total	
Cafeteria/Commons	1	4,500	4,500	Or SF as is
Serving Area	1	2,000	2,000	
Production Prep Area	1	400	400	
Food Storage	1	450	450	
Paper Products, Carts and Utensils Storage	1	150	150	
Ware Washing	1	250	250	
Freezer and Cooler	1	1200	1200	
Toilet/Shower/Lockers	1	150	150	
Cleaning Storage	1	100	100	
Chair Storage	1	450	450	
Office	1	100	100	
Total			**9,750**	

The dining area should include a combination of table seating, social gathering spots, and milling and may open onto the courtyard so that students can 'multi-task during the lunch hour.

Educational specification shows an abbreviated specification for the kitchen. The architect will work with the DCPS food services consultant to finalize design.

Working Draft



CAPACITY:
- Number of students per lunch to be 1/3 student population
- 30 staff members
- Community – primarily after school hours

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Kitchen (H-SD-2)

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 Kitchen
- Centrally located to Administration, Gymnasium, Main Academic, and Media Center
- Near parking and main entry to building

ENVIRONMENTAL CONSIDERATIONS:
- Adjustable lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Cleanable building surfaces
- Electrical outlets for equipment
- Windows to provide ample natural light
- Good sight lines to all areas of the room for supervision
- Window treatment to darken room for AV presentations.

Working Draft

CAFETERIA / COMMONS
H-SD-1

Finishes[1]:	Spec. Ref.#
Flooring:	
Quartz tile	096618
Base:	
Resilient base	096519
Porcelain tile base	093000
Quarry tile base	093000
Ceiling[2]:	
Suspended, acoustical	095113
Painted exposed structure	099123
Walls:	
Paint	099123
Acoustical wall treatment (varies with geometry of room)	098400

Loose Furnishings:
L1 Tables
L2 Chairs
Waste receptacles with lids
Recycling bins

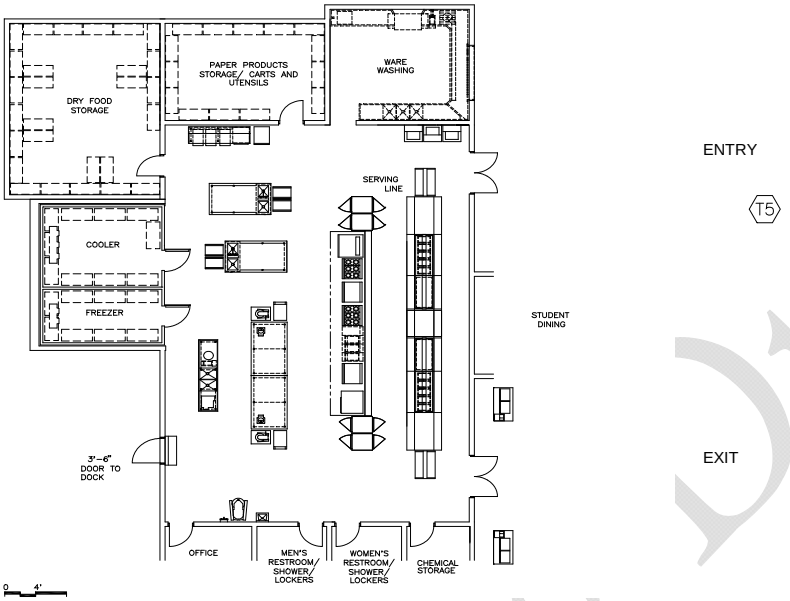
Miscellaneous:
N/A

Features[1]:	Spec Ref.#
Fixed Equipment:	
N/A	
Fire Suppression:	Div.21
Fire suppression system	
Plumbing:	Div. 22
Drinking fountains	
Plumbing connections	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Multilevel switching	
Fluorescent lighting	
Illumination levels: See table 7600-16	
Duplex receptacles along permanent perimeter walls	
TVSS protected quad receptacle adjacent to each data and video ports	
Central sound system	
Student dining sound system	
Clocks	
Communications[3]:	Div. 27
T1 1 voice port and phone	
T2 2 video ports, large screen monitors, VCR, and brackets	
T3 1 data port	
T4 2 cable/MATV ports	
T5 Microphone jacks	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

NOTES:
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Other types of ceiling may be appropriate based on the actual facility design.
3. Refer to the Educational Specifications — Technology, Section 1240.

Working Draft

KITCHEN



CAPACITY:
- Students
- Staff
- Community, as needed

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Cafeteria/Commons (H-SD-1)

GOAL:
- To prepare and serve student meals

PROGRAM ACTIVITIES:
- Preparing and serving food to students and staff
- Storage

SPATIAL RELATIONSHIPS:
- Adjacent and access to Cafeteria/Commons
- Adjacent and access to Outdoor Loading Dock

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation
- Cleanable building surfaces
- Food service department, public health, code requirements, as applicable
- Beginning of serving line should be located near entry door of Cafeteria/Commons
- Queuing for serving should not conflict with tray return to dishwashing area.

Working Draft

KITCHEN
H-SD-5

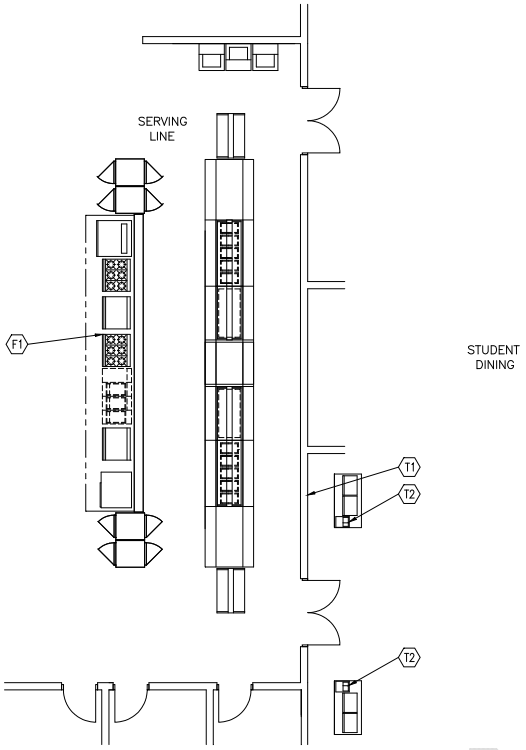
Finishes[1]:	Spec. Ref.#
Flooring:	
Quarry tile	093000
Base:	
Quarry tile base	093000
Ceiling:	
Cleanable, suspended, acoustical	095113
Walls:	
Epoxy-painted concrete masonry units	042000 / 099123

Features (Specifications from DCPS):
Equipment:

- Pot washing sinks
- Food Preparation Sinks
- Hand Sinks
- Work Tables
- Warming/Holding/Proofing Cabinets
- Refrigeration - Reach-ins
- Storage shelving
- Mop washing sink
- Exhaust Hood Systems, including Fire Suppression
- Convection oven ,
- Convection steamer
- Range, with oven
- Tilt Skillet
- Combination Steamer/Oven
- Pizza Oven, Deck oven or Conveyor Oven
- Ware Washing Machine with appropriate accessories (tables, booster heater, disposer, etc.)

Features[1]:	Spec. Ref.#
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Connections to food service equipment	
Plumbing and gas connections	
Hand washing lavatory	
Floor drains	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Kitchen canopy exhaust system	
Air conditioning	
Electrical:	Div. 26
Single-level switching	
Fluorescent lighting	
Illumination level: See Table 7600-16	
Central sound system	
Duplex receptacles along permanent perimeter walls	
Electrical supply to support equipment specified	
Clock	
Circuits for portable generator	
TVSS protected quad receptacle adjacent to data and video ports	
Communications[2]:	Div. 27
T1 1 voice port and phone	
T2 2 data ports at cash registers	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

Working Draft



CAPACITY:
- Students
- Staff
- Community

SIZE:
- 20% of serving area

ANCILLARY SPACES:
- Kitchen (H-SD-5)

GOAL:
- To provide space and equipment to serve student meals

SPATIAL RELATIONSHIPS:
- Adjacent and access to the Kitchen
- Adjacent and access to the Cafeteria/ Commons

DESIGN GUIDE
- Four 'food court' serving lines
- All lines have drinks and misc items

Sample Lines and equipment needs below:
- Line 1 - Equipment consists of a Built-in Heated Shelf, Full Service Sneeze Guard with Overshelf, and Hanging Decorative Heat Lamps. Size of equipment and number of heat lamps are determined by space available. Substitution of Drop-In Heated Food Wells is available in place of the Built-in Heated Shelf. A Drop-In Self-Contained Refrigerated Cold Pan may also be included for side items.
- Line 2 Deli - Big Top Salad/Sandwich Refrigerators, Full Service Sneeze Guard with Overshelf, and Hanging Decorative Lights. Size of equipment and number of light fixtures are determined by space available. Substitution of Drop-In Self-Contained Refrigerated Cold Pans is available in place of the Salad/Sandwich Refrigerator. A Drop-In Self-Contained Refrigerated Cold Pan may also be included for side items.
- Line 3 Pizza - Built-in Heated Shelf, Self-Service Sneeze Guard with Overshelf, and Hanging Decorative Heat Lamps. Size of equipment and number of heat lamps are determined by space available. Substitution of drop-in heated wells is available in place of the heated shelf. A Drop-In Self-Contained Refrigerated Cold Pan may also be included for side items.
- Line 4 Two-Tier Merchandising Warmer. Size of equipment is determined by space available. Available with slant or horizontal shelves. Slant shelves are provided when back loading is available. Horizontal shelves are provided when units can only be loaded from the front. A Drop-In Self-Contained Refrigerated Cold Pan may also be included for side items

<u>NOTES</u>:
1. This is an example of a preparation area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.

Working Draft

Finishes[1]:	Spec. Ref.#
Flooring:	
Quarry tile	093000
Base:	
Quarry tile base	093000
Ceiling:	
Cleanable, suspended, acoustical	095113
Walls:	
Epoxy-painted concrete masonry units	042000 / 099123

Loose Furnishings:
N/A

Miscellaneous:
Cash registers
Stools

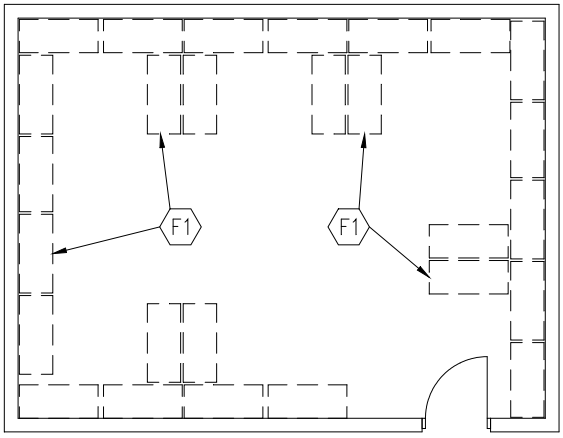
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Cleanable building surfaces
- Proper ventilation of space to remove cooking odors
- Electrical/plumbing/mechanical connections for food service equipment
- Staging for serving should not conflict with tray return to dishwashing area

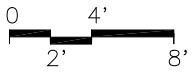
Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Food service equipment	114000
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Connections to food service equipment	
Plumbing and gas connections	
Hand washing lavatory	
Floor drains	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Kitchen canopy exhaust system	
Air conditioning	
Electrical:	Div. 26
Single-level switching	
Fluorescent lighting	
Illumination level: See Table 7600-16	
Central sound system	
Duplex receptacles along permanent perimeter walls	
Electrical supply to support equipment specified	
Clock	
Circuits for portable generator	
TVSS protected quad receptacle adjacent to data and video ports	
Communications[2]:	Div. 27
T1 1 voice port and phone	
T2 2 data ports at cash registers	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

NOTES:

4. Finishes/Features: Refer to Chapter 8 for specification references.
5. Refer to the Educational Specifications — Technology, Section 1240.

Working Draft





CAPACITY:
N/A

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Kitchen (H-SD-5)

GOAL:
- To provide an area for food storage

PROGRAM ACTIVITIES:
- Storage

SPATIAL RELATIONSHIPS:
- Adjacent and access to Kitchen
- Near delivery entrance

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate exhaust/ventilation
- Cleanable building surfaces

Working Draft

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.

Finishes[1]:	Spec. Ref.#
Flooring:	
Quarry tile	093000
Base:	
Quarry tile base	093000
Ceiling:	
Cleanable, suspended, acoustical	095113
Walls:	
Epoxy-painted concrete masonry units	042000 / 099123

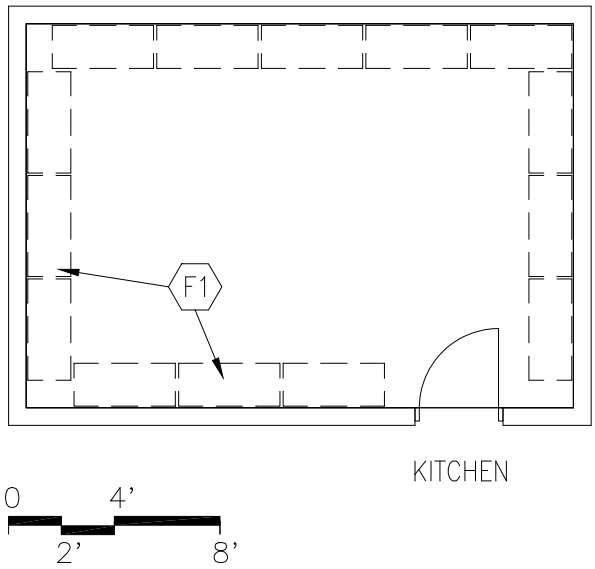
Loose Furnishings:
N/A

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Rust-resistant 24" deep shelving and dunnage racks	114000
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC: Div. 23	
Exhaust air system	
Supply/return air system	
Independent temperature control	
Electrical: Div. 26	
Single level switching	
Fluorescent lighting	
Illumination level: See Table 7600-16	
Duplex receptacles	
Communications:	
N/A	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
N/A	

NOTES:

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

Working Draft



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

PROGRAM ACTIVITIES:
- Storage

SPATIAL RELATIONSHIPS:
- Adjacent and access to Kitchen
- Adjacent to Serving Area

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation
- Cleanable building services

CAPACITY:
N/A

SIZE:
- varies, see table

ANCILLARY SPACES:
- Kitchen (H-SD-5)

Working Draft

NOTES:

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

Finishes[1]:	Spec. Ref.#
Flooring:	
Quarry tile	093000
Resilient tile flooring	096519
Base:	
Quarry tile base	093000
Resilient base	096519
Ceiling:	
Cleanable, suspended, acoustical	095113
Walls:	
Epoxy-painted concrete masonry units	042000 / 099123

Loose Furnishings:
N/A

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Rust-resistant shelving	114000
Fire Suppression:	Div. 21
Fire suppression system	

Plumbing:
N/A

HVAC: Div. 23
Exhaust air system
Supply/return air system
Independent temperature control

Electrical: Div. 26
Single level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Duplex receptacles

Communications:
N/A

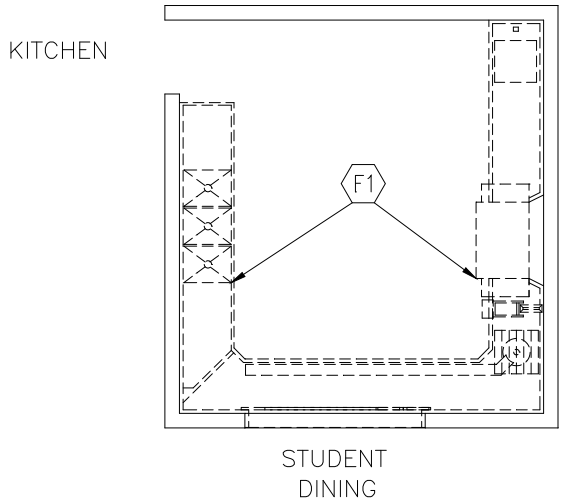
Electronic Safety and Security:
N/A

Miscellaneous:
N/A

NOTES:

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

Working Draft



GOAL:
- To clean dishes, trays, and cutlery

PROGRAM ACTIVITIES:
- Washing trays, dishes, and cutlery

SPATIAL RELATIONSHIPS:
- Adjacent to Student Dining with access through overhead coiling counter door (solid)
- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Proper ventilation of space to remove steam and condensation
- Cleanable building surfaces
- Lavatory in adjacent area

CAPACITY:
- Food Service Staff

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Student Dining (H-SD-1)
- Kitchen (H-SD-5)

Working Draft

NOTES:

1. This in 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.

Finishes[1]:	Spec. Ref.#
Flooring:	
Quarry tile	093000
Base:	
Quarry tile base	093000
Ceiling:	
Cleanable, suspended, acoustical	095113
Walls:	
Epoxy-painted concrete masonry units	042000 / 099123

Loose Furnishings:
N/A

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Food service equipment	114000
	Dish machine [no pant leg hood]	
	Dish tables	
	Soap dispenser	
	Towel holder	
	Hand sink	
	Wash down station	

Fire Suppression: Div. 21
Fire suppression system

Plumbing: Div. 22
Lavatory
Connections to food service equipment
Floor drains

HVAC: Div. 23
Supply/return air system
Independent temperature control
Exhaust hood system

Electrical: Div. 26
Single level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Central sound system
Duplex receptacles
Connections to food service equipment

Communications:
N/A

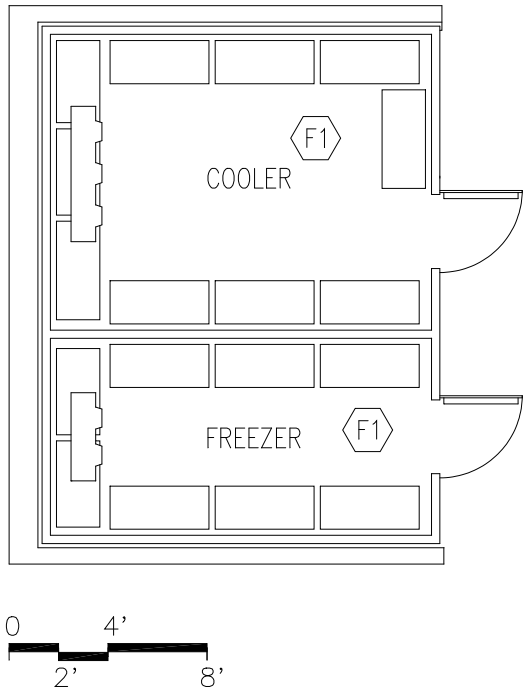
Electronic Safety and Security: Div. 28
Life safety devices per code

Miscellaneous:
N/A

NOTES:

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

Working Draft



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

PROGRAM ACTIVITIES:
- Refrigerated storage of perishable products

SPATIAL RELATIONSHIPS:
- Adjacent and access to Kitchen
- Near delivery entrance

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

CAPACITY:
- Food service staff

SIZE:
- varies, see table

ANCILLARY SPACES:
- Kitchen (H-SD-2

Working Draft

NOTES:

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

Finishes[1]:	Spec. Ref.#
Flooring:	
Quarry tile	093000
Base:	
Manufactured insulated panel	114000
Ceiling:	
Manufactured insulated panel	114000
Walls:	
Manufactured insulated panel	114000

Loose Furnishings:
N/A

Features[1]:	Spec. Ref.#
Fixed Equipment:	
Rust–resistant shelving, 18" deep with additional 24" deep dunnage racks in freezer	114000
Fire Suppression:	Div. 21
Fire suppression system	

Plumbing:
N/A

HVAC: Div. 23
Exhaust air system for compressors

Electrical: Div. 26
Single level switching
Incandescent lighting
Illumination level: See Table 7600-16
Electrical connections to freezer/cooler refrigeration equipment

Communications:
N/A

Electronic Safety and Security:
N/A

Miscellaneous:
N/A

NOTES:

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

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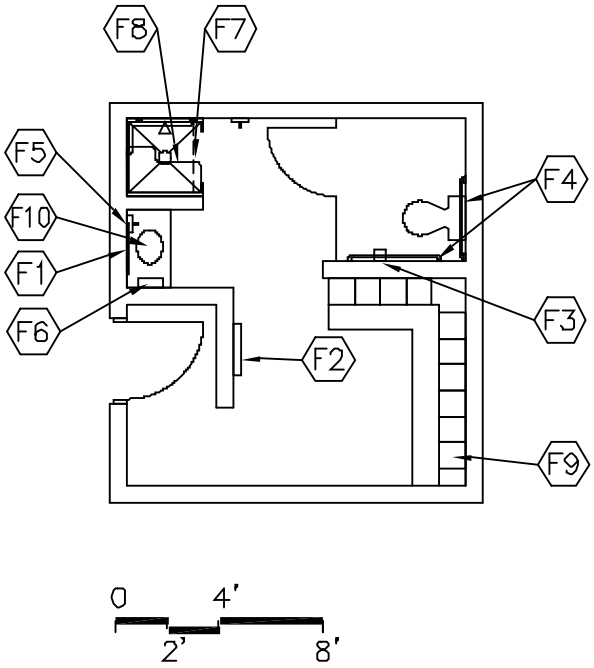


GOAL:
- To provide a safe, clean, and private toilet and changing area for food service staff

PROGRAM ACTIVITIES:
- Changing clothes
- Personal hygiene
- Showering

SPATIAL RELATIONSHIPS:
- Adjacent and access to Kitchen and Serving Area
- Near Office
- Provide blind condition at entry

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 40
  - Ceiling minimum: CAC 35
- Moisture and stain-resistant finishes
- Special consideration for wheelchair access and physical accessibility needs (ADA)
- Adequate exhaust and ventilation

CAPACITY:
- Food service staff

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Kitchen (H-SD-5)

Working Draft

NOTES:

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

Finishes[1]:	Spec. Ref.#
Flooring:	
Ceramic tile	093000
Base:	
Ceramic mosaic tile base	093013
Ceiling:	
Restroom: Suspended, acoustical	095113
Shower: Painted portland Cement plaster	092400 / 099123
Walls:	
Restroom: Epoxy painted concrete masonry units	099123
Shower: Ceramic tile	093013

Loose Furnishings:
Wastebasket

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework: Cabinet	123200
F2 24" x 60" mirror	102800
F3 Toilet tissue holder	102800
F4 36" and 42" grab bars	102800
F5 Soap dispenser	102800
F6 Towel dispenser	102800
F7 Shower curtain and rod	102800
F8 ADA shower accessories/seat	102800
F9 Lockers	105113
F10 16” x 24” mirror	102800

Fire Suppression: Div. 21
Fire suppression system

Plumbing: Div. 22
Wall-mounted water closet
Wall-mounted lavatory
Plumbing connections
ADA shower controls and head
Floor drains - in locker area and shower

HVAC: Div. 23
Exhaust air system
Supplemental heat as required

Electrical: Div. 26
Duplex receptacles
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Central sound system

Communications:
N/A

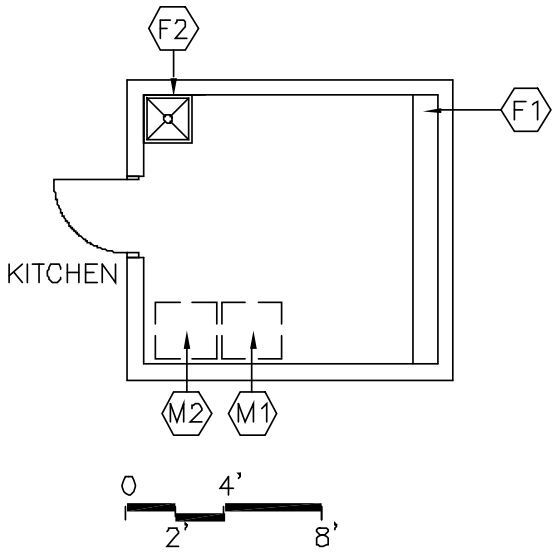
Electronic Safety and Security: Div. 28
Life safety devices per code

Miscellaneous:
N/A

NOTES:

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

Working Draft



GOAL:
- To store chemicals used in cleaning and maintaining kitchen

PROGRAM ACTIVITY:
- Lockable space to store chemicals and equipment used in cleaning and maintaining the kitchen

SPATIAL RELATIONSHIP:
- Adjacent and access to Kitchen

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

CAPACITY:
- Food service personnel

SIZE:
- 150 SF

ANCILLARY SPACES:
- Kitchen (H-SD-5)

Working Draft

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.

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Cleanable, suspended, acoustical	095113
Walls:	
Epoxy-painted concrete masonry units	042000 / 099123

Loose Furnishings:
N/A

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Rust-resistant shelving for chemicals	114000
F2 Mop rack	102800

Fire Suppression: Div. 21
Fire suppression system

Plumbing: Div. 22
Plumbing connections
Service sink
Washer
Floor drain

HVAC: Div. 23
Exhaust air system
Supply/return air system
Independent temperature control
Connections for washer and dryer

Electrical: Div. 26
Duplex receptacles
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Connections for washer and dryer

Communications:
N/A

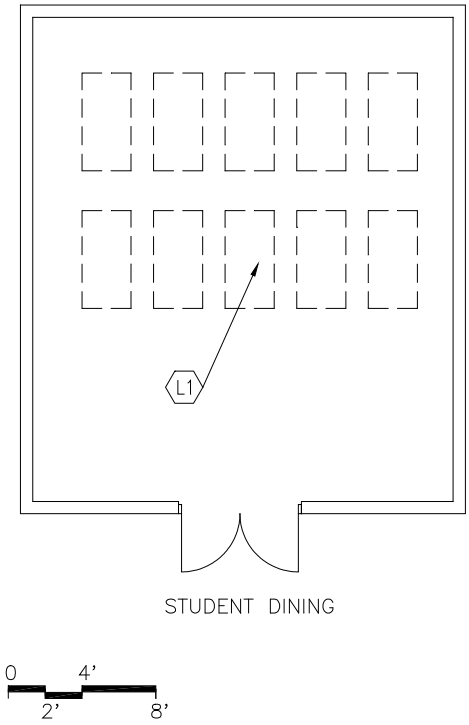
Electronic Safety and Security: Div. 28
Life safety devices per code

Miscellaneous:
M1 Washer
M2 Dryer

NOTES:

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

Working Draft



GOAL:
- To provide convenient storage for tables and chairs

PROGRAM ACTIVITY:
- Storage

SPATIAL RELATIONSHIPS:
- Adjacent and access to Cafeteria/Commons

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Cleanable building surfaces
- Accessibility for moving furniture in and out
- Lockable doors

CAPACITY:
N/A

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Cafeteria/Commons (H-SD-1)

Working Draft

NOTES:

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

CHAIR / TABLE STORAGEH-SD-8

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
L1 Dollies for tables and chairs

Features[1]:	Spec. Ref.#
Fixed Equipment:	
N/A	
Fire Suppression:	Div. 21
Fire suppression system	

Plumbing:
N/A

HVAC: Div. 23
Supply/return air system

Electrical: Div. 26
Duplex receptacles
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16

Communications:
N/A

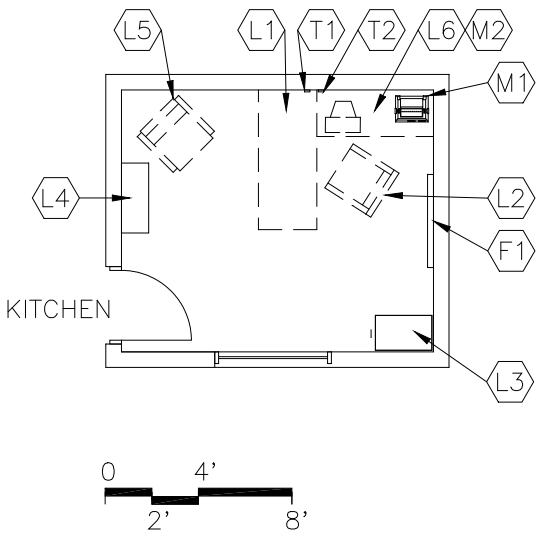
Electronic Safety and Security:
N/A

Miscellaneous:
N/A

NOTES:

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

Working Draft



GOAL:
- To provide an area to keep records and conduct business

PROGRAM ACTIVITIES:
- Scheduling
- Staff evaluations/discipline/meetings

SPATIAL RELATIONSHIP:
- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 40
  - Ceiling minimum: CAC 35
- Electrical outlet on each wall for equipment
- Visual access to Kitchen and Serving Area

CAPACITY:
- Food service manager
- Food service staff

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Kitchen (H-SD-2)

Working Draft

NOTES:

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

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
L1 Desk
L2 Ergonomic task chair
L3 1, 4-drawer locking file cabinet
L4 Adjustable height bookshelves (12 LF)
L5 Guest chair
L6 Computer workstation
Wastebasket

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Tack board (4 LF)	101100
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC: Div. 23	
Supply/return air system	
Independent temperature control	
Electrical: Div. 26	
Duplex receptacles	
TVSS protected quad receptacle adjacent to data port	
Single-level switching	
Fluorescent lighting	
Illumination level: See Table 7600-16	
Clock	
Central sound system	
Communications[2]:	Div. 27
T1 Voice port and phone	
T2 Data port	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
M1 Printer	
M2 Computer	

NOTES:

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

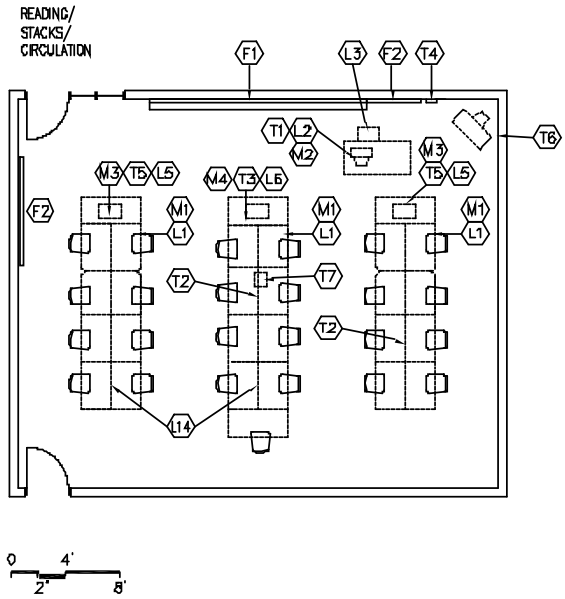
Working Draft

STAY Dedicated Space

Space				Comments
	Qty.	S.F.	Total	
Computer Lab	1	900	900	
Cosmetology/Barbering Lab/classroom	1	2,900	2,900	
Administration Suite			0	
Reception	1	250	250	
Principal Office	1	200	200	
Business Manager	1	150	150	
Instructional Coach	1	150	150	
Registrar/Attendance	1	200	200	
Student support suite	1	800	800	Office/4 cubicles/reception
Conference room	1	300	300	
Teacher work room/lounge	1	400	400	
Storage	1	300	300	
External Diploma Program	1	800	800	Office/4 cubicles/reception
Maintenance Office/supplies	1	200	200	
Total			**7,550**	

Unisex Bathrooms

Working Draft



CAPACITY:
- 18 Students
- Teacher

GOAL:
- To provide a shared computer resource area for the STAY program

PROGRAM ACTIVITIES:
- Student work area
- Instruction
- Interdisciplinary training area
- Research
- Centrally offer courses for schools that have a small enrollment in some classes (Distance Learning)

SPATIAL RELATIONSHIPS:
- Adjacent and access to Reading/Stacks/Circulation
- Near 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
- Adequate ventilation
- Electrical outlets for equipment

Working Draft

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

COMPUTER RESOURCE AREA
H-MC-2

Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet 096816	
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	04220 / 09910

Loose Furnishings:
L1 Computer workstation furniture - student use (20)
L2 Computer workstation furniture - teacher use
L3 Ergonomic task chair
L5 Printer table
Wastebasket

Miscellaneous:
M1 20 computers - student use
M2 Computer - teacher use
M3 1 printer

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Marker board (16 LF)	101100
F2 Tack board (16 LF)	101100
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC:	Div. 23
Supply/return air system	
Independent temperature controls	
Electrical:	Div. 26
Duplex receptacles	
TVSS protected quad receptacle adjacent to data and video ports	
Multilevel switching	
Fluorescent lighting with Parabolic lenses	
Illumination level: See Table 7600-16	
Means of egress lighting per code	
Clock	
Central sound system	
Communications[2]:	Div. 27
T1 Data port near teacher workstation	
T2 20 data ports (min.) - student use	
T3 Data port for scanner	
T4 Voice port and phone	
T5 2 data ports for printers	
T6 1 video port, monitor, VCR, and brackets	
Cable/MATV port	
T7 Ceiling mounted projection	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

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

Working Draft

PROGRAM ACTIVITIES
Cosmetology and Barbering

Spaces	Description	Proposed Sq. Ft. Per Unit	Proposed Sq. Ft. Total
	Cosmetology/Barbering		
1	Laboratory		1,800
1	Reception Area		100
2	Product Storage		200
1	Washer/Dryer & Linen Storage		100
1	Classroom		700
	Total		**2,900**

Laboratories

No. of Items	Contract Provided	FF&E	Description
12	X		Cosmetology/Barbering stations
4	X		Drying chairs
4	X		Shampoo stations w/ sinks
1	X		Fire Extinguisher
1	X		Fire Blanket
1	X		First aid kit, mounted
1	X		Clock

Reception Area (serves both labs)

No. of Items	Contract Provided	(FF&E)	Description
1	X		Reception desk
1		X	Computer and printer
1		X	Chair
2		X	Chairs for clients
1	X		Clock

Related Classroom (See regular classrooms)
Adjacent to cosmetology lab with internal window.

Washer/Dryer & Linen Storage

No. of Items	Contract Provided	FF&E	Description
1	X		Washer, commercial, 50 lbs.
1	X		Dryer, commercial, 50 lbs.
	X		Shelving (open and closed)
		X	Towels, various sizes
		X	Sheets, various sizes

Working Draft

Product Storage: Provide metal adjustable shelving and along perimeter (12" depth) and interior (24" depth).

Built-ins -

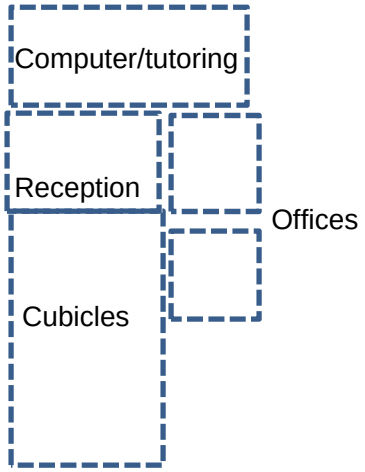
Reception Area: Provide reception desk with adjustable shelving, lockable display case. Desk should have lockable drawers.

Laboratories: 1) Provide built-in cosmetology stations with cabinets, mirrors, electric and hole in counter for curling iron and dryer. 2) For hair washing sink area provide product storage on back of sinks and storage cabinets to hold towels on the sides. 3) Provide adequate electrical supply for drying area.

Provide ½ high wall lockers on the outside corridor for student's equipment, i.e. mannequin.

Working Draft

EXTERNAL DIPLOMA SUITE



GOAL:

- To provide counseling and other student support services in a professional environment to adults seeking a diploma or license based on experience

PROGRAM ACTIVITIES:

- Counseling
- Administrative paper work
- Enrollment and orientation of new students

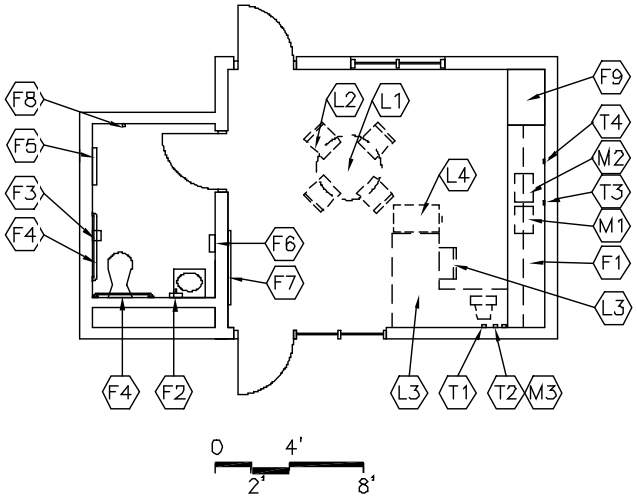
Computer/Tutoring Area

Adjacent to reception area (no door)
3 computer stations with chairs
1 printer
Round table w/ 4 chairs

Cubicle Office areas

6' cubicle walls
Each cubicle 48-64 SF with space for computer, pedestal drawers, a vertical file and room for overhead storage. There is space for a guest chair.

Working Draft



CAPACITY:
- Principal
- Small groups (6-10 people)

SIZE:
- 230 SF

ANCILLARY SPACES:
- Administrative Assistant's Office (H-AD-5)

GOAL:
- To serve as the home base for the principal from which he/she can provide instructional leadership in a personal, flexible, and organized environment for students, staff, and community

PROGRAM ACTIVITIES:
- Conferences with staff and other visitors
- Telephone calls
- Administrative paperwork
- Planning
- Computer input
- Interaction with students

SPATIAL RELATIONSHIPS:
- Adjacent to Administrative Assistant's Office
- Near one Assistant Principal's Office
- Near Storage
- Near Conference Room

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light
- Private restroom
- Adequate exhaust (restroom)
- Auditory privacy

Working Draft

NOTES:

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

STAY PRINCIPAL'S OFFICE
H-AD-3

Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet	096816
Office restroom:	
Vinyl composition tile	096519
Base:	
Resilient base	096519
Ceiling: (8' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted gypsum wallboard over metal studs	092116 / 099123

Loose Furnishings:
L1 Conference table
L2 4 side chairs
L3 Desk and chair
L4 Four-drawer locking file cabinet
Wastebasket

Miscellaneous:
M1 Fax
M2 Printer
M3 Computer

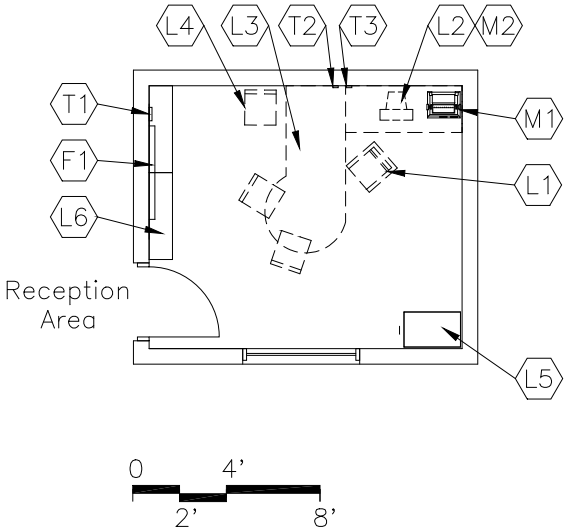
Communications[2]:	Div. 27
T1 Voice port and phone	
T2 Data port near workstation	
T3 Fax port	
T4 Data port for printer	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	123200
Base/wall cabinets and shelving	
F2 Soap dispenser	102800
F3 Toilet tissue holder	102800
F4 36" and 42" grab bars	102800
F5 24" x 60" mirror	102800
F6 Towel dispenser	102800
F7 Tack board (4 LF)	101100
F8 Coat hook	102800
F9 Casework:	
Wardrobe	123200
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Wall-mounted water closet	
Wall-mounted lavatory	
Plumbing connections	
Floor drain - in restroom	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Exhaust air system	
Electrical:	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	

NOTES:
3. Finishes/Features: Refer to Chapter 8 for specification references.
4. Refer to the Educational Specifications — Technology, Section 1240.

Working Draft

BUSINESS MANAGER OFFICE



CAPACITY:
- Business Manager

SIZE:
- 150 SF

ANCILLARY SPACES:
- Waiting Area/Reception (H-AD-2)

GOAL:
- To serve as an area from which the Business manager can effectively provide support
- Vault

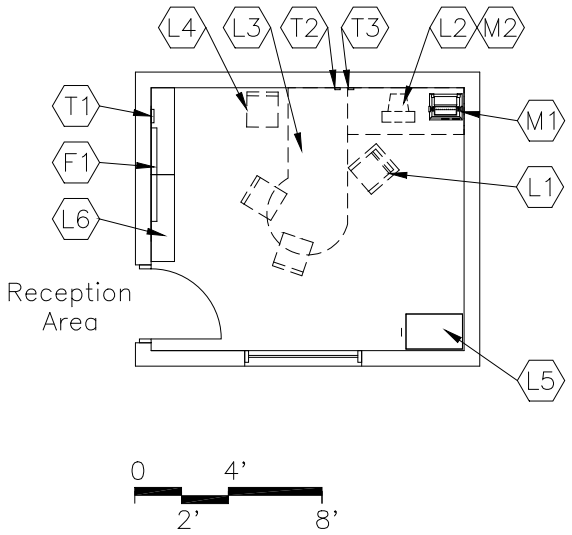
PROGRAM ACTIVITIES:
- Financial accounting and bookkeeper functions
- General office work
- Answering telephone
- Data input and retrieval

SPATIAL RELATIONSHIPS:
- Adjacent and access to Waiting Area/Reception
- Visual access to Waiting Area/Reception
- Adjacent to Principal's Office

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

Working Draft

ALL OTHER OFFICES



SIZE:
- 100-150 SF

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

PROGRAM ACTIVITIES:
- Counseling for parents, students
- Administrative paper work
- Enrollment and orientation of new students
- Office space for itinerant staff

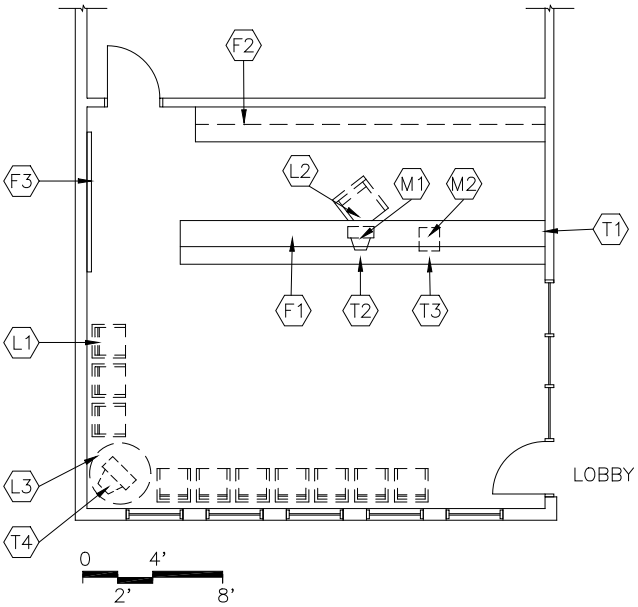
SPATIAL RELATIONSHIPS:
- Within the Academic Core Area Services Suite
- Adjacent and access to Reception Area

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

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability

Working Draft

STAY RECEPTION



CAPACITY:
- General public
- Staff
- Students

ANCILLARY SPACES:
- Stay Lobby

GOAL:
- To provide a welcoming atmosphere and to serve as an information area for those coming into the school

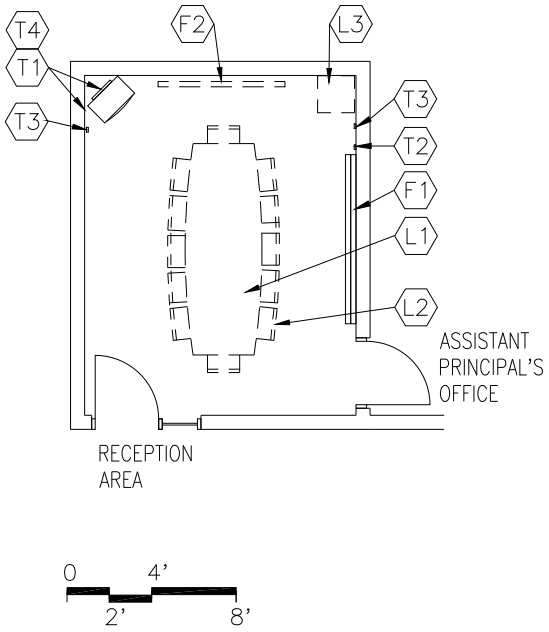
PROGRAM ACTIVITIES:
- Greeting people and directing them to the proper location or person
- Waiting area for visitors and staff members

SPATIAL RELATIONSHIPS:
- Adjacent to STAY entrance
- Easy to locate and identify
- Maximize view to lobby and entry

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting, areas of soft lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Inviting to visitors
- Electrical outlets for equipment
- Windows to provide natural light (if feasible)

Working Draft

CONFERENCE ROOM



CAPACITY:
- Staff
- Parents
- Students
- Visitors

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Reception Area
- Assistant Principal/ Department Head's Office

GOAL:
- To provide a place for administrative conferences or meetings

PROGRAM ACTIVITIES:
- Conferencing with staff, students, parents, and visitors

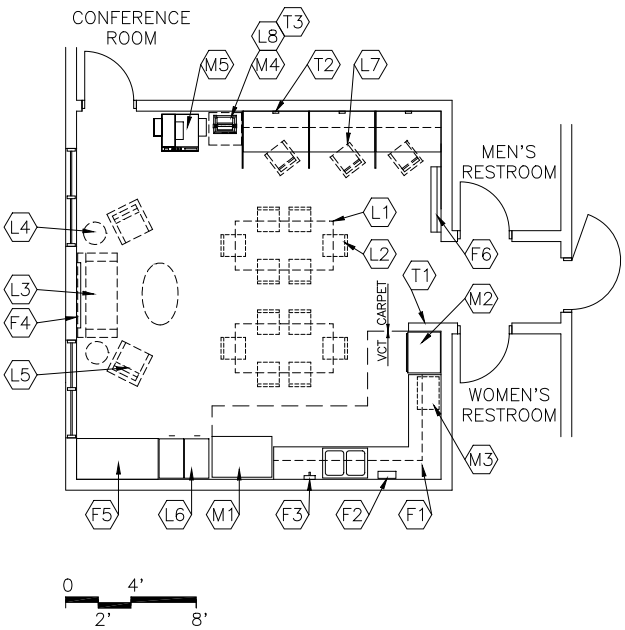
SPATIAL RELATIONSHIPS:
- Adjacent and access to Reception Area
- Adjacent and access to Assistant Principal/ Department Head's Office

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Auditory privacy
- Windows to provide natural light, desirable
- Window treatment to darken room for AV presentation

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- Design for computer aided presentations (electrical outlets from table for projection device, screen along short wall, light darkening capability)

Working Draft

TEACHERS' WORKROOM



CAPACITY:
- 16 teachers

ANCILLARY SPACES:
- Teacher's Conference Room

GOAL:
- To provide space for teachers to carry out their administrative duties, prepare materials for class, access the Internet, lock up personal items, and to socialize and relax.

PROGRAM ACTIVITIES:
- Store files
- Grade papers
- Enter and access data
- Prepare lessons using computer, video, and other resources.
- Phone calls
- Eating lunch, socialize and relax

SPATIAL RELATIONSHIPS:
- Located within Core Academic Areas
- Located near individual restrooms
- Adjacent and access to Conference Room
- Access from Corridor
- Interior area assumes four activities:
  - Relaxation (soft seating)
  - Individual prep (cubicles with computer support)
  - Tables for team meetings
  - Counter with sink and small refrigerator

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting with multilevel controls
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light (if feasible)

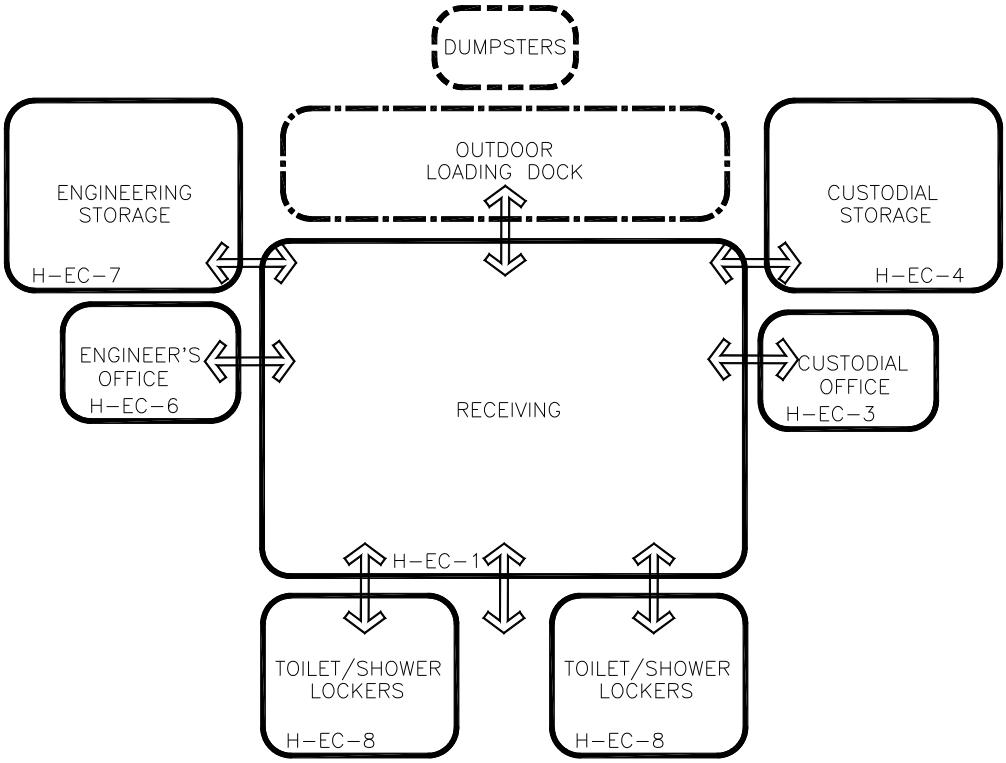
TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- This room should support laptop computers

BUILT-IN EQUIPMENT:
- Marker Boards (4 ft. X 4 ft.)
- A bulletin board (4 ft. X 4 ft.) should be provided if feasible.
- Kitchenette (double sink, cabinets above and below, outlets along counter, refrigerator)
- Counter top for sorting and cutting
- Clock

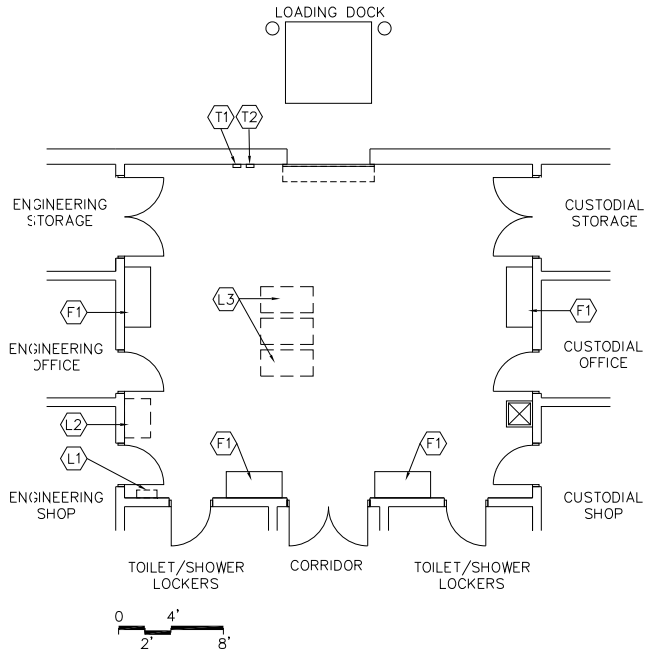
Working Draft

Maintenance & Custodial Space Requirements

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Receiving	1	600	600	
Custodial Shop	1	300	300	
Custodial Office	1	100	100	
Custodial Storage	1	300	300	
Engineering Shop	1	300	300	
Engineer's Office	1	100	100	
Engineering Storage	1	200	200	
Toilet/Shower/Lockers	2	150	300	
Total			2200	



RECEIVING



CAPACITY:
- Maintenance personnel

ANCILLARY SPACES:
- Custodian Shop
- Custodial Storage
- Engineering Shop
- Engineering Storage
- Toilet/Shower/Lockers

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

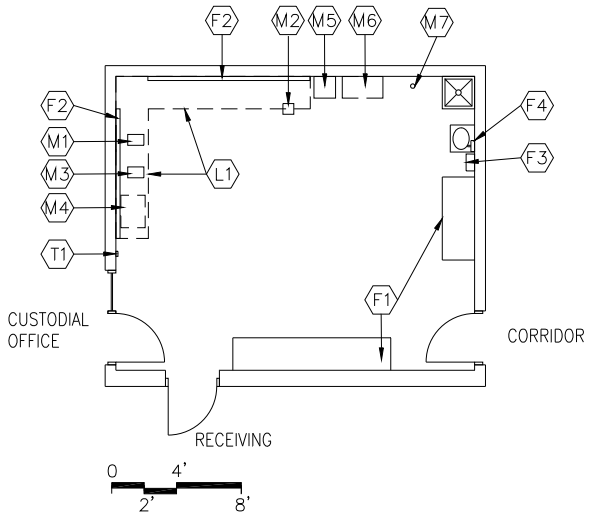
PROGRAM ACTIVITIES:
- Loading and unloading
- Storage of furniture, materials for special events, paper, and general supplies

SPATIAL RELATIONSHIPS:
- Access to loading dock area
- Access to a main corridor
- Adjacent and access to Custodian Shop
- Adjacent and access to Custodial Storage
- Adjacent and access to Engineering Shop
- Adjacent and access to Engineering Storage
- Adjacent and access to Toilet/Shower/Lockers

ENVIRONMENTAL CONSIDERATIONS:
- Double doors with removable mullions to corridor
- High ceiling
- Staging area with insulated overhead door large enough for forklift access
- Uniform lighting
- Electrical outlets for equipment

Working Draft

CUSTODIAN SHOP



CAPACITY:
- Custodial staff
- Preventative custodial personnel

ANCILLARY SPACES:
- Receiving
- Custodial Office

GOAL:
- To provide a safe and orderly area for maintenance of equipment, furniture, and real property assets

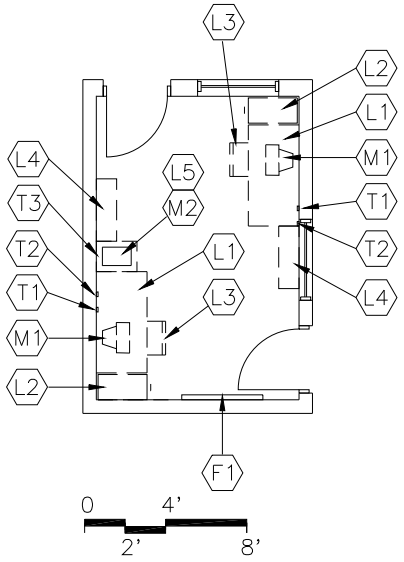
PROGRAM ACTIVITIES:
- General maintenance
- Painting
- Repair of small electrical items, equipment, furniture, doors, blinds, fixtures, etc.
- Preventative maintenance

SPATIAL RELATIONSHIPS:
- Adjacent and access to Receiving
- Adjacent and access to Custodial Office
- Access to a main corridor
- Near boiler room

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Electrical outlets for equipment
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Drainage for dumpster pad area for clean-up
- High ceiling
- Sound proofing

Working Draft

CUSTODIAL OFFICE



CAPACITY:
- Maintenance and custodial staff
- Building engineer

ANCILLARY SPACES:
- Receiving
- Custodial Shop

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

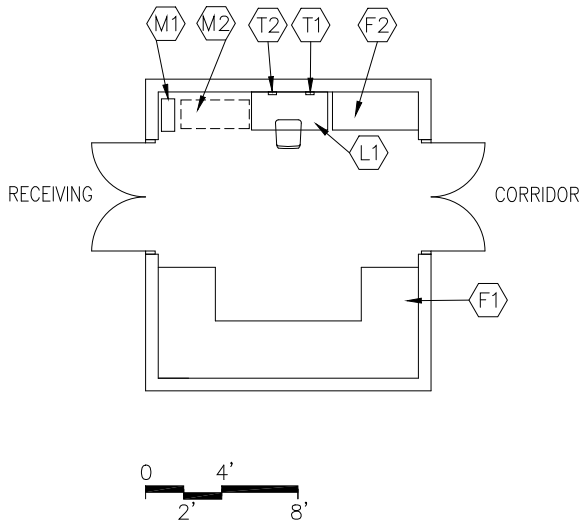
PROGRAM ACTIVITIES:
- Conferences with staff and other visitors
- Telephone calls
- Paperwork

SPATIAL RELATIONSHIPS:
- Adjacent and access to Receiving
- Near corridor
- Adjacent and access to Custodial Shop

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Electrical outlets for equipment
- Visual control from Receiving
- Visual control from Custodial Shop

Working Draft

CUSTODIAL STORAGE



CAPACITY:
- Custodial personnel
- Engineering personnel

ANCILLARY SPACES:
- Receiving

GOAL:
- To serve as the central point for storage of bulk commodities and equipment

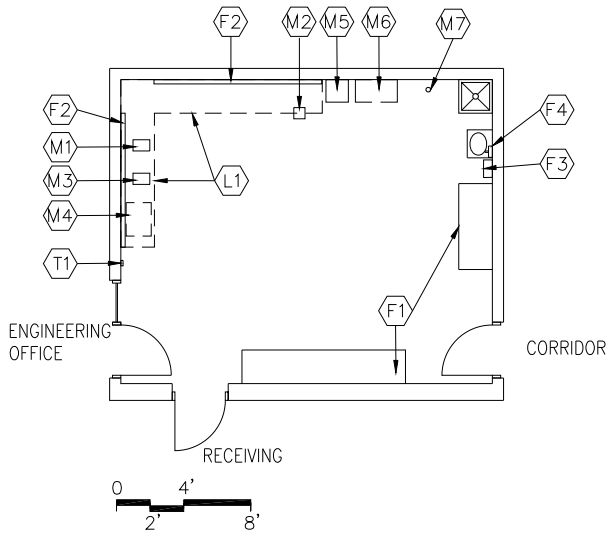
PROGRAM ACTIVITY:
- Storage of furniture, materials for special events, paper, and general supplies

SPATIAL RELATIONSHIPS:
- Adjacent to Receiving
- Easy access to a main corridor
- Near Custodial Shop

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Double doors with removable mullions to Receiving and Corridor
- High ceilings
- Electrical outlets for equipment

Working Draft

ENGINEERING SHOP



CAPACITY:
- Engineering staff
- Preventative engineering personnel

ANCILLARY SPACES:
- Receiving
- Engineer's Office

GOAL:
- To provide a safe and orderly area for maintenance of equipment, furniture, and real property assets

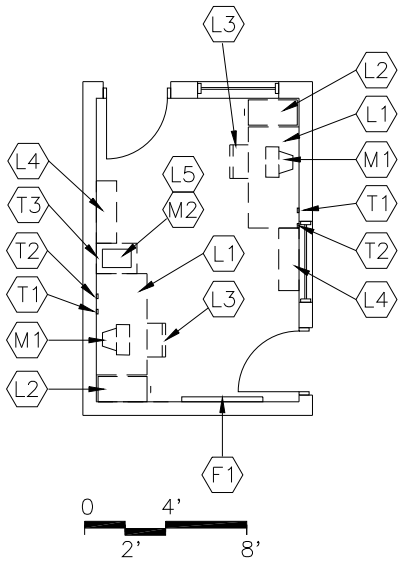
PROGRAM ACTIVITIES:
- General engineering tasks
- Painting
- Repair of small electrical items, equipment, furniture, doors, blinds, fixtures, etc.
- Preventative maintenance

SPATIAL RELATIONSHIPS:
- Adjacent and access to Receiving
- Adjacent and access to Engineer's Office
- Access to a main corridor
- Near Boiler room

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Electrical outlets for equipment
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Drainage for dumpster pad area for clean-up.
- High ceiling
- Sound proofing

Working Draft

ENGINEERING OFFICE



CAPACITY:
- Maintenance and custodial staff
- Building engineer

ANCILLARY SPACES:
- Receiving
- Engineering Shop

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

PROGRAM ACTIVITIES:
- Conferences with staff and other visitors
- Telephone calls
- Paperwork

SPATIAL RELATIONSHIPS:
- Adjacent and access to Receiving
- Near corridor
- Adjacent and access to Engineering Shop

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Electrical outlets for equipment
- Visual control from Receiving
- Visual control from Engineering Shop

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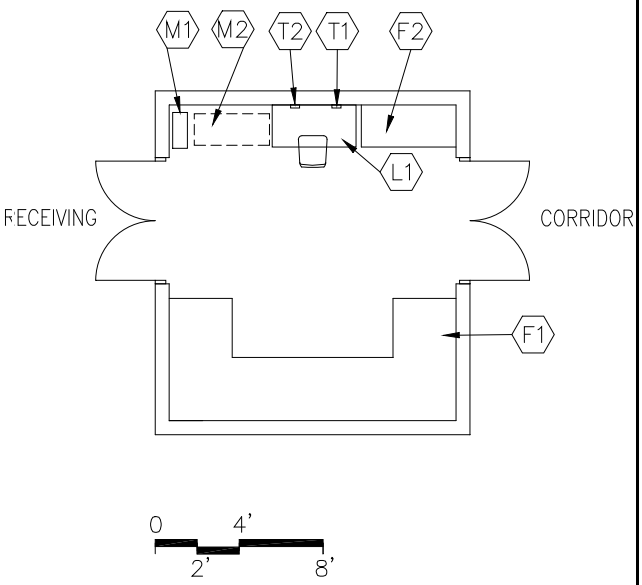
ENGINEERING STORAGE



GOAL:
- To serve as the central point for storage of bulk commodities and equipment

PROGRAM ACTIVITY:
- Storage of furniture, materials for special events, paper, and general supplies

SPATIAL RELATIONSHIPS:
- Adjacent to Receiving
- Easy access to a main corridor
- Near Engineering Shop

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Double doors with removable mullions to Receiving and Corridor
- High ceilings
- Electrical outlets for equipment

CAPACITY:
- Engineering personnel

ANCILLARY SPACES:
- Receiving

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Pool (as is)
POOL LOCKER ROOMS / SHOWERS **M-PEH-4**

Finishes[1]:	Spec. Ref.#
Flooring:	
Ceramic mosaic tile	093013
Base:	
Ceramic mosaic tile with covered base	093013
Ceiling:	
Lockers: Acoustical, suspended tectum with hold down clips	095113
Painted portland cement plaster	096613 / 099123
Walls:	
Lockers: Epoxy painted concrete masonry units	042000 / 099123
Toilet/Showers: Ceramic tile	093013

Loose Furnishings:
L1 Hamper

Electrical: Div. 26
Duplex receptacles on perimeter walls
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Means of egress per code
Clock
Central sound system

Communications:
N/A

Electronic Safety and Security: Div. 28
Life safety devices per code

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Towel dispenser	102800
F2	24" x 60" mirror	102800
F3	Soap dispenser	102800
F4	Narrow counter with mirror above	064123
F5	Lockers (30)	105113
F6	Locker benches	105113
F8	Hand dryer	
F9	Towel hooks	102800
F10	Shower curtain and rod	102800
F11	Toilet partitions	102113
F12	36" x 42" grab bars	102800
F13	Toilet tissue holders	102800
F14	16" x 24" mirror	102800
F15	ADA shower accessories	102800

Fire Suppression: Div. 21
Fire suppression system

Plumbing: Div. 22
Plumbing connections
Wall-mounted water closets
Wall-mounted lavatories
Wall-mounted urinals
ADA shower controls and head
Shower fixtures
Floor drains - iIn locker area, toilet area, and showers

HVAC: Div. 23
Supply/return air system
Exhaust air system
Independent temperature controls
Humidity controls

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

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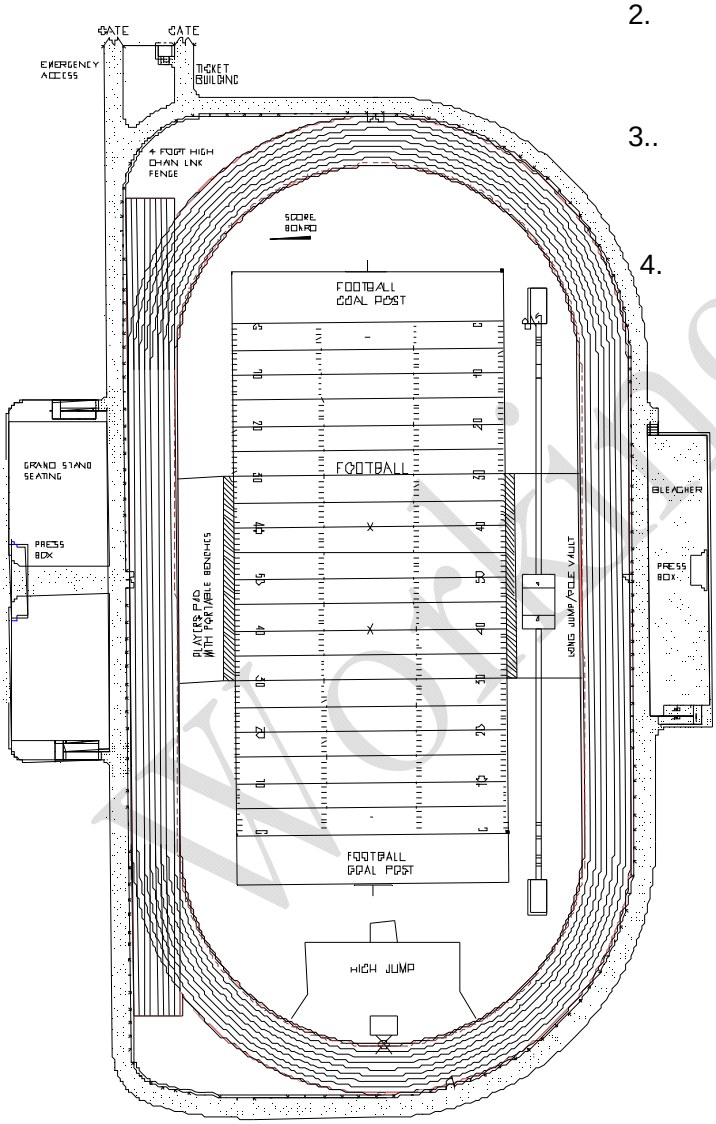
PHYSICAL EDUCATION FIELDS

1. Provide 6-lane track with center soccer/football field; field events; bleacher seating for 400, 3 basketball and 4 tennis courts as a minimum..

2. Provide grading of fields with 1 percent to 1-1/2 percent slope.

A. FOOTBALL FIELD



1. Provide 6- or 8-lane, 400-meter running track/football field in accordance with NCAA standards. See Figure E-1.

2. Design track radius to allow for a soccer or football field inside the track with player benches.

3.. Provide field events that include high jump, long/triple jump, discus, shot-put and pole vault.

4. Provide a 4-foot high chain link perimeter fence surrounding track with gates at center field and as needed for maintenance.

   a. Include track equipment storage under bleachers – drive-in if feasible.

   b. Archery range desirable.

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RUNNING TRACK

1. Provide 6- or 8-lane, 400-meter running track/football field in accordance with NCAA standards. See Figure E-1.

2. Design track radius to allow for a soccer or football field inside the track with player benches.

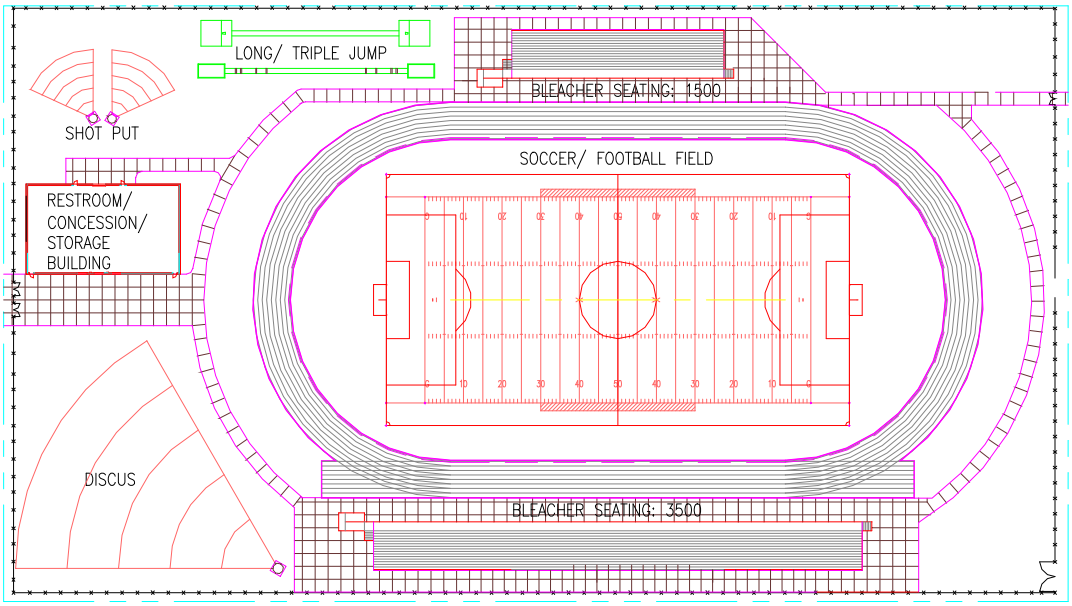
3. Provide field events that include high jump, long/triple jump, discus, shot-put and pole vault.

4. Provide a 4-foot high chain link perimeter fence surrounding the track with gates at center field and as needed for maintenance. Provide 8 foot high chain link fence around perimeter of stadium area with controlled entrance/exit. Locate gates for emergency access and maintenance.

5. Locate restroom/concession/storage building at one end of track for accessibility to visitor and home bleachers.

6. Provide electrical outlet near home side benches.

8.80 ACRES FOR FOOTBALL/SOCCER STADIUM AND EVENTS



B. TENNIS COURTS

1. Provide be 36-foot wide by 78-foot long courts with a minimum of 21 feet behind each base line to the fence and a minimum of 12 feet from sideline to adjacent court or fence (see Figure F-1).

2. It is recommended to have no more than 3 courts side-by-side within a single fenced area.

3. Provide perimeter fence to be 10-foot to 12-foot high. Fence between adjacent banks of courts should be a minimum of 4-foot high.

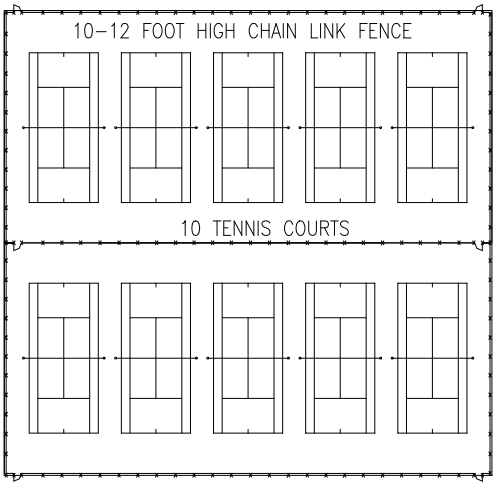
3. Provide windscreen on chain link fence for wind reduction and at ends of courts for increased ball visibility.

5. Backboards located on chain link fence at ends of courts for teaching are optional.

6. Modify spacing, depth of footings, and post size of fencing as required for additional wind load of future windscreen or backboard.

7. Recommended slope is 0.833 percent; maximum 1 percent.

8. The direction of slope in order of preference: 1) side-to-side, 2) end-to-end, and 3) corner-to-corner.



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C. MULTIPURPOSE FIELD

1. Grading is to crown at center of the field and slope to sidelines.

2. Consider under drains and irrigation.

3. Provide portable or combination football/soccer goals.

4. Provide a 225-foot wide by 360-foot long multipurpose field.

Stadium Support Facilities

These areas shall be located centrally to all competitive athletic fields. Locate the ticket booth so that it creates a main gate area for the public attending outdoor competitive sporting events.

1) Restrooms (2 @ 300 SF) May be in the main building

- Restrooms (Male & Female) shall have steel, securable entrance doors.
- Ceilings shall be hard – no lay-in ceiling.
- Restroom partitions and fixtures shall be durable
- Forced ventilation shall be provided in restrooms.
- The restroom area floor surface shall be non-slip epoxy resin sloped to a floor drain. Note: Maintenance of the floor will include mopping so that the texture of the epoxy resin cannot be excessively rough.
- The restroom walls shall be block with epoxy paint.

2) Ticket Booth (60 SF)

- This will be an unsecured building when not in use
- The utility closet floor shall be sealed concrete.

3) Concessions Stand (600 SF)

- This building will be centrally located with window facing the home and visitors sides.
- The concession stand shall include serving windows and counters to accommodate up to four lines of customers.
- The concession stand shall be equipped with plumbing and electrical outlets for popcorn poppers, coffee makers, microwaves, ice machine, etc.
- The concessions stand floor shall be sealed concrete.

4) Storage (200 SF)

- The storage area shall have an overhead door plus a steel personnel door.
- The storage area shall include electrical outlets for lighting.
- The storage area shall include shelving for storage of small equipment
- The storage room shall be provided with sufficient ventilation.
- The storage area floor shall be sealed concrete.

7) Stadium Press Box (600 SF)

- This building shall be located on the home side at the football/soccer/track stadium.
- The press box shall be a minimum of 640 SF.
- The press box shall be totally enclosed with sufficient glazing to provide an unobstructed view of the entire tack and playing field area.
- The front windows of the press box shall be operable.
- A high desk counter shall be provided under the front press box windows.

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- The press box shall be heated and air-conditioned.
- A P/A sound system shall be provided.
- An upper deck with safety railing on all sides shall be provided on the roof of the press box. Access to the upper deck shall be by stairs from inside the press box.
- Provide electrical power on press box upper deck for video recording equipment.
- Provide electrical wiring and control connections from the press box to the scoreboard location.

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