GOVERNMENT OF THE DISTRICT OF COLUMBIA
DEPARTMENT OF GENERAL SERVICES

ARCHITECTURAL/ENGINEERING SERVICES
DUKE ELLINGTON SCHOOL OF THE ARTS

Solicitation #: DC-AM-12-AE-015

Addendum No. 2
Issued: October 23, 2012

This Addendum Number 02 is issued by e-mail on October 23, 2012. Except as modified hereby, the Request for Proposals ("RFP") remains unmodified.

Item #1

Visioning Session: A visioning session will be held on Wednesday, October 24, 2012 at 1:00 pm. Please meet Peter Davidson at the R Street entrance of the school at 12:45 pm. Please bring a form of government issued photo identification to comply with the school's security procedures.

Item #2

Education Specifications: Education Specifications for the project are attached.

Item #3

Phase II Design Submissions are due on **December 21, 2012 at 2:00 pm** local time. Proposals that are hand-delivered should be delivered to **Frank D. Reeves Center, 2000 14th Street, NW, 8th floor, Washington, DC 20009**.

- End of Addendum No. 2 -

Educational Specification

Duke Ellington School of the Arts

Final Draft
October 2012

Introduction

This document articulates the space requirements for a modernized Duke Ellington School for the Arts High School. It describes the current and planned educational programs and services, the community characteristics that may affect facilities planning, and the opportunities and challenges associated with the design and construction.

Background

Duke Ellington School for the Arts developed from the collaborative efforts of Peggy Cooper Cafritz and the late Mike Malone, founders of Workshops for Careers in the Arts in 1968. Workshops grew to become the Duke Ellington School of the Arts at Western High School in 1974—an accredited four-year public high school program combining arts and academics.

At its inception, Ellington partnered with The Ellington Fund—a non-profit organization that has raised millions of dollars to supplement money allocated to Ellington by the District of Columbia Public School System. This partnership between the public school system and a private non-profit organization worked to ensure the highest level of academic and artistic training opportunities for Ellington students.

In September 2000, the Ellington partnership evolved into the Duke Ellington School of the Arts Project (DESAP) to include the District of Columbia Public Schools, The Ellington Fund, the John F. Kennedy Center for the Performing Arts, and The George Washington University. The goal of DESAP continues Ellington's tradition of providing high school students with an educational experience that includes college preparatory academics, pre-professional artistic training, and access to the cultural and intellectual resources of the District of Columbia.

DESAP operates the school under a contract with the District of Columbia Public Schools, which recognizes that the school's dual arts/academics curriculum requires additional funding in addition to the school system's basic funding. The contract anticipates supplemental funding will be provided by the school system and through outside fundraising.

The Student Population and Proposed Capacity

Students at Duke Ellington come from all areas of the District of Columbia. When asking to attend, they must choose an area of concentration (music, dance, etc.) and meet the admission criteria. More than 1200 students applied to attend Ellington in 2009 while less than 200 were selected. The enrollment is capped at 500 due to space and resources.

The Master Facilities Plan does not anticipate a substantial increase in the future capacity of Ellington. Three factors present challenges to any substantial change. The site is fully utilized with the current building and grounds. The building is historic, and an addition must not negatively impact the façade. Finally, the program is staffed significantly higher than the average high school requiring more space for fewer students.

The Community

Ellington has many layers of 'community' beginning with its location in the heart of Georgetown surrounded by a historic residential community and extending out to include the regional and national arts communities, the corporations and individuals who donate to the program, and the alumni who continue to be active partners.

The Programs

In addition to the regular academic program, Ellington offers the following concentrations:

Dance

Dance majors develop their abilities through a progression of courses that include orientation, history, composition, production, tap, ethnic dance (African), four levels of a Vaganova-based ballet technique and three levels of modern dance. A rigorous professional teaching approach equips dance majors physically and mentally to pursue a dance career. In addition, classes with master teachers focus on areas not emphasized in the curriculum. (The Physical Education requirement is satisfied by select dance courses.)

Students will master dance skills and acquire knowledge through a progression of courses (orientation, history, composition, production) with a focus on ethnicity, culture, and values. These courses will assist them to master Vaganova ballet and modern dance techniques. The rigor they expend will prepare them physically and mentally to succeed in post-secondary studies or careers in dance.

The Dance department has 6 faculty and will need four dance studios, a classroom, and support spaces.

Instrumental Music

Instrumental music students receive classical training in applied music, music theory (reading and writing) and piano, and participate in performing ensembles. Major ensembles include: Wind Ensemble, Jazz Orchestra, Chamber Orchestra, String Ensemble, Piano Ensemble, and Guitar Ensemble; smaller ensembles draw from students in each studio. Students perform annually as soloists at monthly recitals and prepare a 20-minute solo recital in their senior year. Music electives for third- and fourth-year students include composition, music technology, music history, and vocal ensemble.

The Instrumental music department has 13 faculty and needs 3 large ensemble and 4 small ensemble spaces in addition to smaller theory and lessons studios.

Literary Media and Communications

The Literary Media & Communications Department offers creative writing, journalism, playwriting, and text-based media curricula modeled and structured after four-year programs at the university level, affording its students the opportunity to engage in college/pre-professional work. Students will work with faculty, mentors, and working professionals in each of these subject areas. The curriculum is production-based, through workshops, publications, performances, script development, and internships.

Students produce several publications--The Green Chair, The Georgetown/Duke Ellington Anthology, and a website--as well as submit work to several area writing contests, including the Larry Neal Writing Awards, the Parkmont Poetry Contest, the DC Poet Laureate Contest, the Horwitz Playwriting Contest, and stage and film contests. They also perform their original work at Ellington's Coffeehouses and other venues in the metropolitan area, culminating with the annual Literary Media Spring showcase. Associated Press journalists and writers across genres supplement the curriculum through residencies and master classes.

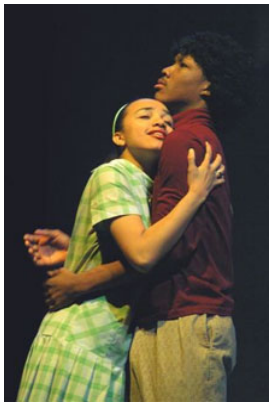
The Literary Media and Communications department has 4 full-time faculty and needs a digital video production lab, a journalism studio, and a computer lab for on-line and magazine applications. This program shares classrooms with the academic faculty.

Museum Studies

Museum Studies focuses on giving students opportunities and experience in museum work. This department provides educational opportunities and skill development in the basic functions of museums: collection, registration, conservation, education, and exhibition–and is committed to developing a solid knowledge base in history, art, as well as science and skills that will be beneficial to any chosen career. Written and oral communication skills, interpersonal skills and creativity are at the core of the curriculum. Students curate the Ellington Gallery.

The Museum Studies department has 3 full-time faculty and needs a graphics/photgraaphy studio, a project lab, and a computer lab (part-time) that will be located near the media center and shared with other departments as needed. This program also shares classrooms with the academic faculty. As the 'curators', this department is responsible for the storage and display of the school's permanent and revolving art.

Theatre



The Theatre Department provides a conservatory-style training program for aspiring theater artists. Theater is an interdisciplinary collaborative art form that requires intensive study in many different areas. Students can major in Acting or Technical Theater. The first two years of study provide a foundation in acting, speech, dance, movement, play analysis, dramatic literature, and stagecraft. The final two years include intensive study in the student's chosen major. Electives include playwriting, directing, stage management, audition practices, and theater management. Master classes – with professional actors and directors – are offered throughout the year. The performance and rehearsal process is an essential part of our training program and students will often be required to participate in after-school activities.

The Theatre department has 3 full-time faculty (2 part-time) and needs 2 classroom/studios and a larger multi-purpose studio that could also act as a small performance venue. This program also shares classrooms with the academic faculty.

Theater - Technical Design and Production

The Technical Design and Production department is dedicated to fostering the arts by mentoring and educating young artists while integrating practical training in scenic, costume, lights, sound and arts management.

Technical Design & Production Sequence of Courses

YEAR ONE	YEAR TWO	YEAR THREE	YEAR FOUR
Stagecraft I *	Scenic Technology *	Scenic Design I	Scenic Design II
Stagecraft II *	Lighting Technology *	Lighting Design I	Lighting Design II
Acting I	Audio/Video Technology *	Stage Management	Theater Org. and Management 1 & II
Theater History I	Audio/Video Design *		

The theatre support spaces are also the classrooms for this program.

Vocal Music

Vocal music students receive classical training in applied music (class voice) and are required to take music theory (music reading and writing), concert choir and class piano (two years). Elective ensembles include Show Choir and Opera Workshop. Students perform occasionally as soloists (as designated by their teachers) on monthly recitals, and on Honors Recitals, and prepare a 20-minute solo recital in the senior year. Music electives include Jazz Vocal Styles, Music Composition, Music Technology, and Music History.

The Vocal Music department has 9 full-time faculty and needs one large ensemble studio, three classroom/studios and two small studios. This program shares three piano labs with the instrumental music faculty.

Visual Arts

The Visual Arts department offers a sequence of courses in drawing, two-dimensional concepts, painting, sculpture, photography, computer graphics design, and art history. As they develop and progress, students may also choose elective courses in computer graphics, print-making, AP art studio, sculpting, and painting. Students will begin assembling their best works into a portfolio in the 11th grade year as a record of production and to use in applications to art schools and universities. Seminars with artists, as well as field trips to museums and galleries, enhance the quality of the program. As production is such an important aspect of the program, students are required to exhibit several times each year.

The Visual Arts department has 5 full-time faculty and needs five 2D/3D/Graphics studios and a small classroom.

Overview of Planning Concepts

Organization

The Ellington school day is from 8:30am to 5:00pm. Academic classes are in the first half of the day and Arts are in the second. There is some overlap of classes that are academic and generally quiet. However, between 2:00 and 5:00, only arts classes are held. This schedule and the unique space and equipment requirements of the arts programs, underutilizes some parts of the building the early and late hours. The following teaching stations are required to support both programs.

Note: 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, 2 units in a career or college prep class, 2 units in PE, and .5 each in the arts. Only 1.5 additional units are required in electives.

	# of Rooms	# Students/ Room	Capacity	
Core Academic Classrooms (English 5; Math 5; Social Studies 4; Foreign Language 4; other 3)	21	20	420	AM Classes
Science/Health	5	20	120	
Physical Education	2	40	40	
Special Education	1	15	15	
Dance	5	20	100	PM Classes
Instrumental Music /Vocal Music	12	20	240	
Techniques classes	12	2	24	
Literary Arts/Museum Studies	5	20	100	
Theatre	3	20	60	
Technical Design and Production	2	20	40	
Visual Arts	4	20	80	
Total	**71**		595 AM 624 PM	

Shared Spaces

"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. The student entry will include the security area and offer areas for socializing and connecting. The visitor entrance should be reoriented to the historic front door. Some visitor parking should be provided near the front entrance. It should have user-friendly security for limited access. Immediately upon entry, visitors will be greeted in the Administration "welcome area." The main office should have visual control of the main entrance. Student Services will be more oriented toward the Core Academic areas, but Administration and Student Services will share a "back door" connection to facilitate communication and sharing of resources.

Multi-Media Center/Cyber Cafe

As a small high school, Ellington has not generally budgeted for a media specialist. However, they want to maintain several functions generally attributed to the media center. 1) The computer area should be maintained with up to 24 computers for classes and individual instruction 2) An area with 6-8 tables should be available for small groups and/or larger meetings 3) Audio-video storage 4) Office for the IT coordinator. Transparency within the suite and from the corridor will improve supervision.

Physical Education

Because of the intense demands of the arts curriculum, Ellington does not offer a typical high school athletics program with team sports. The physical education courses are offered two periods a day. For this reason, Ellington would like to focus on offering a wellness program focused on general fitness and healthy lifestyles. They want the new indoor PE center to have a variety of aerobic and weight training options. With only one PE teacher, the center needs to have individual and small group areas that can be managed from a central location. Transparency between spaces will improve supervision.

Cafeteria/Commons

This area is planned to have multiple functions, which include student dining, performances, and community meetings. It is proposed through creative design that this area effectively houses multiple functions. The school currently has only one lunch period and allows students casual access to the ground floor for milling and socializing.

Corridors and Commons Spaces

The student and activities entry lobby should be welcoming and inviting for students, staff, and visitors. Extensive display systems should be provided for 2-dimensional and 3-dimensional student work and awards. Finishes should be durable and easy to maintain. Project based learning occurs throughout the building and the corridors are often adjunct collaboration spaces. Casual seating and alcoves are desirable.

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 will be accomplished through judicious use of ramping and elevators where necessary, 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.

Site

The site circulation will be organized for safety and efficiency. This will be accomplished through careful separation of vehicular and pedestrian traffic. Sufficient stacking space will be provided to prevent congestion of busy streets. The architect should identify location for 86 parking spaces (by code).

Space Requirements Summary

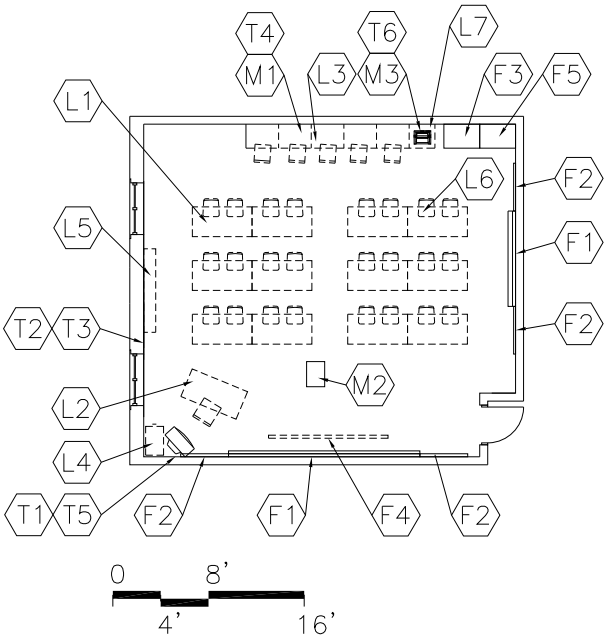
Base Required Space	Teaching Stations	Square Footage
Core Academic/Science/Special Education	27	24,975
Dance	6	12,185
Instrumental/Voice Music	24	21,907
Literary Media Arts/Museum Studies	6	6,600
Common Display areas	0	8,100
Theatre	3	7,210
Visual Arts	5	6,750
Media Center	0	1,900
Theater	0	16,800
Technical Design and Production	2	4,200
PE/Health	2	6,150
Administration Services	0	5,250
Student Services	0	1,135
Student Dining & Food Service	0	6,400
Engineering & Custodial Services	0	1,300
Building Support Areas [corridors, bathrooms, stairwells, mechanical, elevators]		53,092
Total		**183,954**
Construction Factor of .095		**201,429**

Core Academic Area Space Requirements

Space	Design Guideline			Comments
	Qty.	S.F.	Total	
Core Academic Classroom	22	800	17,600	Includes 1 sped
Adjacent offices/Dept. storage	4	200	800	Between 8 classrooms
Science Lab	4	1100	4,400	3 generic life sciences, chemistry,
Science Prep	1	400	400	One shared across all labs
Chemical storage	1	varies	100	May be accessed from the main prep room.
Sped Suite				
Reception Area	1	100	900	
Office/small group	2	250		
Speech/OT/PT	1	250		
Conference	1	150		
Decentralized Administrators	3	150	550	Deans (Academics/Arts/Students)
Assistant		100		
Academic Book Storage	1	500	500	
Total			24,950	

Adjacencies: Academic areas should be organized by department in one area of the building. The Dean of Academics is also in this area.

CORE ACADEMIC CLASSROOM H-AC-1



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

SIZE:
- 800 SF

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

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 21-24 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[1]:

Fixed Equipment:

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

Note: Special education classroom needs 10 computer stations for individual classwork.

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

Electronic white board

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

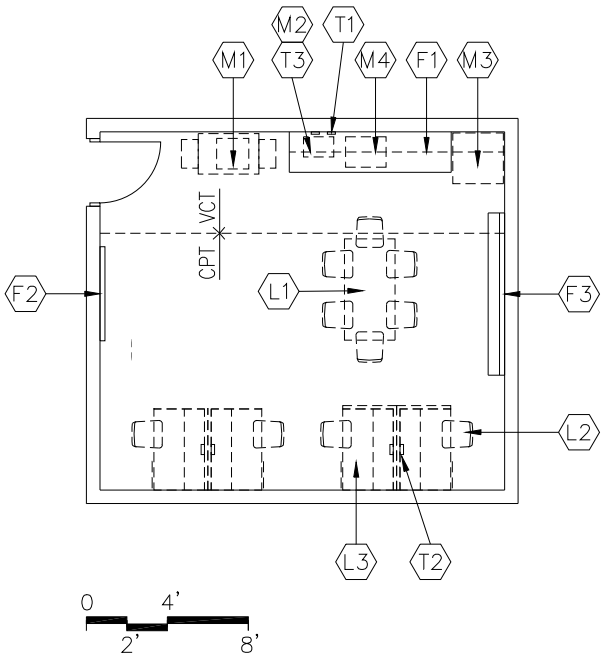
Miscellaneous:
- M1 3-5 computers for student use
- M2 Multimedia cart with overhead projector, computer projector, multimedia computer Div. 27

Note: Printing network centralized – see central workroom

Audio enhancement equipment

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

WORKROOM



CAPACITY:
- 4-6 teachers

SIZE:
- 200 SF

ANCILLARY SPACES:
- Between academic classrooms

GOAL:
- To provide space for teachers to carry out their administrative duties, prepare materials for class and to collaborate

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

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:

Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Adequate ventilation for kitchenette

NOTES:

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

WORKROOM

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 and 6 chairs
- L2 2 chairs
- L3 2 office workstations
- Wastebasket

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Casework:	
	Base/wall cabinets	123200
F2	Tack board (4 LF)	101100
F3	Marker board (8 LF)	101100

Fire Suppression: Div. 21
Fire suppression system

Plumbing: Div. 22
Plumbing connections (TBD)
- Sink

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

Electrical: Div. 26
Duplex receptacles
- TVSS protected quad receptacle adjacent to each data port

Fluorescent lighting
Clock
Central sound system

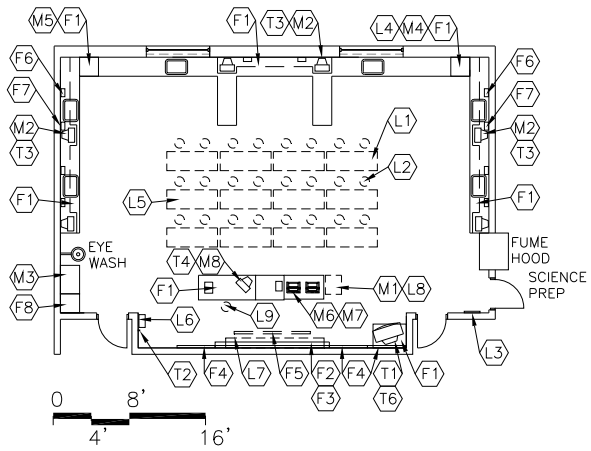
Communications[2]: Div. 27
- T1 Voice port and phone
- T2 Data port near each workstations
- T3 Data port for printer

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

Miscellaneous:
- M1 Copier
- M2 Printer

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

SCIENCE CLASSROOM / LAB **H-AC-5**



CAPACITY:
- 21 students
- Teachers
- Staff

SIZE:
- 1100 SF

ANCILLARY SPACES:
- Science Prep (H-AC-6)

SPATIAL RELATIONSHIPS:
- Accessible to students from Academic Core
- Adjacent and access to Science Prep/Storage

GOALS:
- Flexible space and layout to support delivery of entire science curriculum in any lab
- To help students become reasonable caretakers of their bodies and environment
- 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
- Hands-on activities
- Data collection and analysis
- Laboratory work
- Oral presentations
- Computer simulations
- Computerized instruction

ENVIRONMENTAL CONSIDERATIONS[2]:
- Uniform lighting
- Rooms designed for ease of movement and accessibility; Students need to be able to move around the labs with chemicals in a safe way.
- Lab table tops, floors, need to be resistant to acids, heat, spills, etc.
- OSHA requirements maintained
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
  - Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- Windows to provide natural light and egress
- Window treatment to darken room for AV presentations
- Adequate ventilation
- Proportion classroom for effective
- viewing and listening from all areas of the classroom

NOTES:
1. Loose furnishings and features shown represent one of many possible arrangements. The lab area may be configured with perimeter lab stations and movable lab/lecture tables.

SCIENCE CLASSROOM / LAB **H-AC-5**

Finishes[1]:	Spec. Ref.#
Flooring:	
Quartz tile	096618
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123

Loose Furnishings:

- L1 12 two-person adjustable height tables
- L2 24 adjustable height stools
- L3 Fire blanket
- L4 Microscopes (in cabinets)
- L6 Goggle storage and sanitizer cabinet
- L7 Adjustable height bookshelves (24 LF)
- L8 Multimedia cart for teacher use
- L9 Adjustable height stool for teacher
- Wastebasket

Miscellaneous:

- M1 Projection device on cart — Div. 27
- M2 6 computers for student use
- M3 Environmental chamber
- M4 Video camera hooked to microscopes
- M5 Digital science instrumentation
- M7 Color printer
- M8 Computer for teacher use

Audio enhancement equipment

Communications[2]: Div. 27

- T1 Video port, monitor, VCR, and brackets
- T2 Voice port and phone
- T3 2 data port at each lab station for student use
- T4 Data port near teacher workstation
- T5 2 data port for printers
- T6 Cable/MATV port

Electronic white board or overhead LCD projector

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Science Casework:	123200
Base/wall cabinets and shelving	
Tall cabinets	
Movable teacher demonstration table	
F2 Marker board (16 LF)	101100
F4 Tack board (8-16 LF)	101100
F5 Manual projection screen	115213
F6 Soap & towel dispenser	102800
F8 Casework: Wardrobe	123200

Fire Suppression: Div. 21

Fire suppression system

Plumbing: Div. 22

- Plumbing connections – 6 lab stations
- All utilities for teacher demonstration table
- Safety chemical showers/eye wash stations
- Floor drains

HVAC: Div. 23

- Supply/return air system
- Independent temperature control
- Fume hood connections
- Gas at lab stations in two labs

Electrical: Div. 26

- Duplex receptacles
  - 3 per primary teaching wall
  - 2 per other walls
  - at each lab station and teacher demonstration table
- TVSS protected quad receptacle adjacent to each data port
- Multilevel switching
- Fluorescent lighting
  - Illumination level: See Table 7600-16
- Clock
- Central sound system

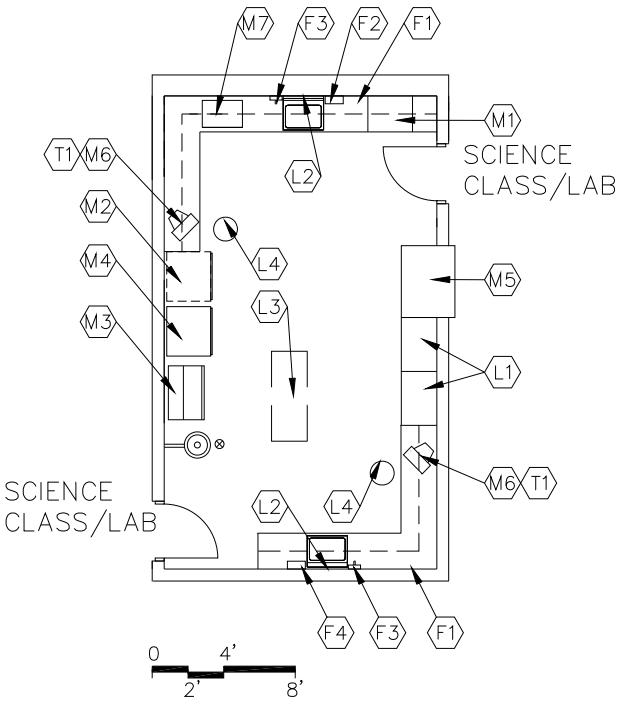
Electronic Safety and Security: Div. 28

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.

SCIENCE PREP ROOM



CAPACITY:
- 1 or 2 staff members
- Student assistants

SIZE: 200 SF

ANCILLARY SPACES:
- Science Classroom/Lab

GOAL:
- To allow for lab preparation

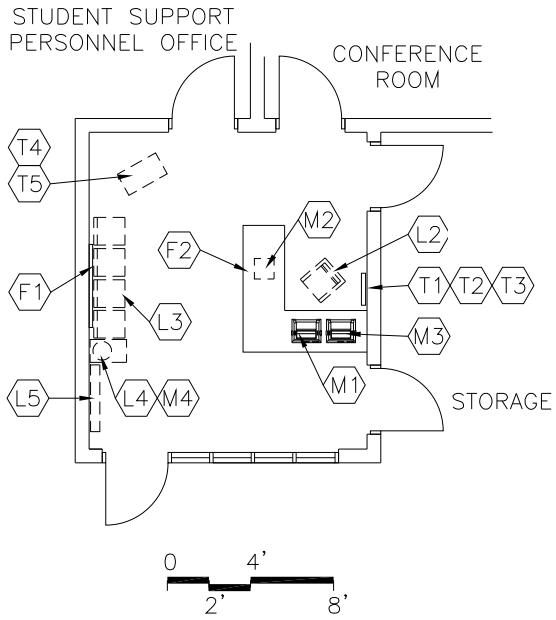
PROGRAM ACTIVITIES:
- General lab preparation
- Store equipment
- Set up experiments

SPATIAL RELATIONSHIPS:
- Adjacent and access to two Science Classrooms/Labs

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 storage 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; one flammable and three chemical storage cabinets

RECEPTION AREA



CAPACITY:
- Staff
- Students
- Parents
- Visitors

SIZE:
- Varies

ANCILLARY SPACES:
- Offices
- Conference

GOAL:
- To provide a space designated to help students and the public feel welcome and to provide information

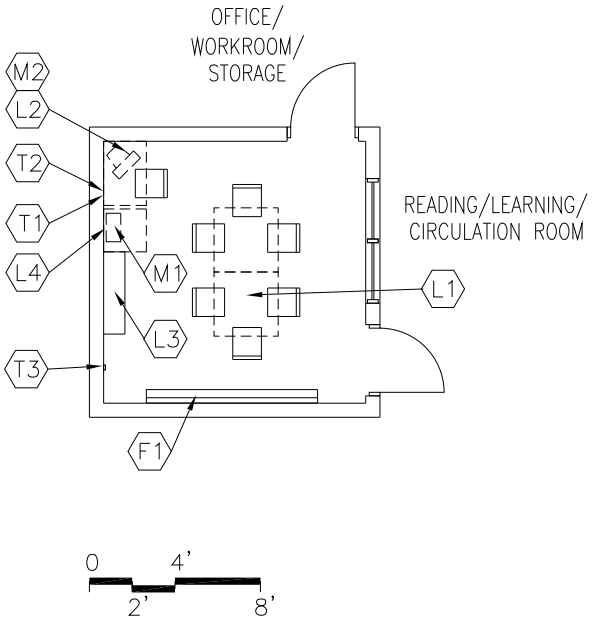
PROGRAM ACTIVITIES:
- Waiting area for students and parents
- Administrative activities
- Greeting visitors

SPATIAL RELATIONSHIPS: (if feasible)
- Near front entrance
- Adjacent and access to Conference Room

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

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- This rooms may have 2 student computers in addition to an administration computer

SMALL GROUP / OFICE **M-MC-4**



GOAL:
- To provide office for social worker and special education coordinator
- To provide space for varying sizes of groups of students and/or adults

PROGRAM ACTIVITIES:
- Group discussions
- Individual learning
- Listening

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
- Adequate ventilation
- Window blinds for privacy during conferences

CAPACITY:
- Up to 8 persons

SIZE:
- 250 SF

NOTES:

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

SMALL GROUP / OFFICE

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

Loose Furnishings:
L1 Tables and chairs/desks (TBD)
L2 Computer workstation furniture
L3 Adjustable height bookshelves (24 LF)
L4 Printer table
Wastebasket

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Marker 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
TVSS protected quad receptacle
Adjacent to each data port
Multilevel switching
Fluorescent lighting
Illumination level: See Table 7600-16
Clock
Central sound system

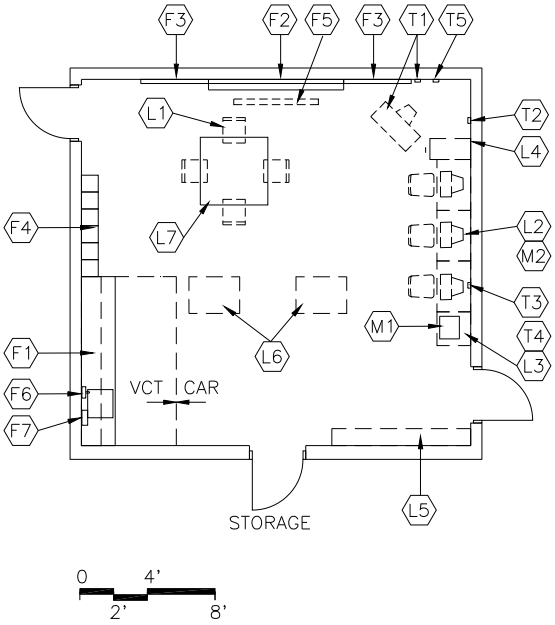
Communications[2]: Div. 27
T1 Voice port and phone
T2 Data port
T3 Cable/MATV

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

Miscellaneous:
M2 Computer

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

SPEECH / OCCUPATIONAL / PHYSICAL THERAPY M-AC-13



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

SIZE:
- 250 SF

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

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

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 3 data ports near workstations
- T4 Data port at printer
- T5 Cable/MATV

Miscellaneous:
- M1 Printer
- M2 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

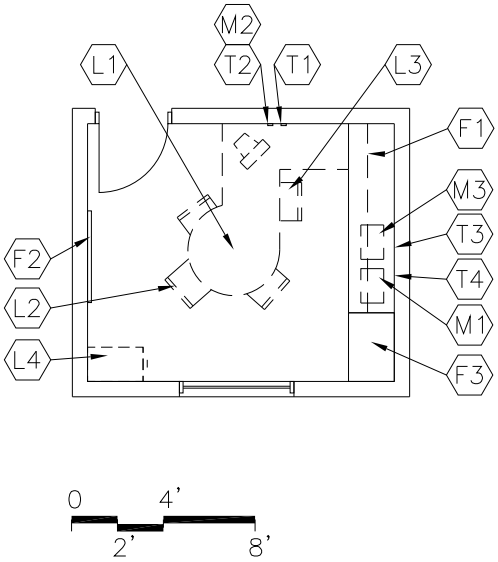
Electrical: Div. 26
Duplex receptacles:
3 per primary teaching surface
2 per other walls
TVSS protected quad receptacle adjacent to each data and video port
Multilevel switching
Fluorescent lighting
Illumination level: See Table 7600-16
Clock
Central sound system

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

NOTES:

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

OFFICE **H-AD-4**



CAPACITY:
- One staff
- Visitor

SIZE:
- 100-150 SF

ANCILLARY SPACES:
N/A

GOAL:
- To serve as the home base for the staff

PROGRAM ACTIVITIES:
- Student counseling
- Telephone calls
- Administrative paperwork
- Planning
- Computer input
- Meetings with parents, students, and staff

SPATIAL RELATIONSHIPS:
- May be located within academy

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

NOTES:

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

OFFICE

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 Conference table
- L2 Side chairs
- L3 Desk and chair
- L4 Four-drawer locking file cabinet
- Wastebasket

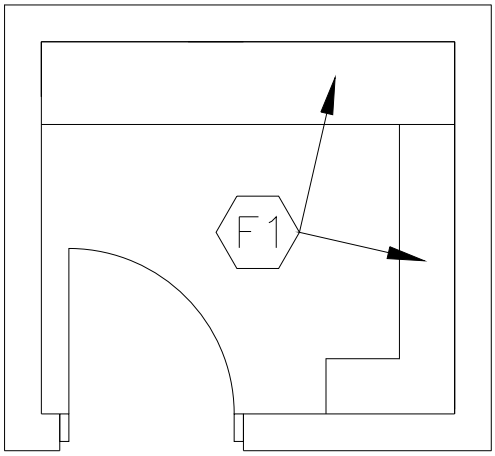
Miscellaneous:
- M1 Printer
- M2 Computer

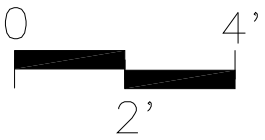
Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Base/wall cabinets and shelving	123200
F2 Tack board (4 LF)	101100
F3 Casework:	
Wardrobe	123200
Fire Suppression:	Div. 21
Fire suppression system	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Duplex 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	
Communications[2]:	Div. 27
T1 Voice port and phone	
T2 Data port near workstation	
T4 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 — Technology, Section 1240.

STORAGE





CAPACITY:
- Staff

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Reception Area

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

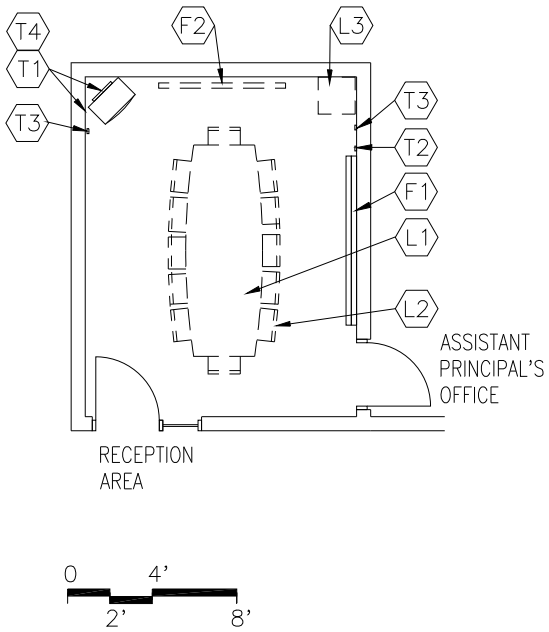
PROGRAM ACTIVITIES:
- Storing equipment and supplies

SPATIAL RELATIONSHIPS:
- Adjacent and access to Reception Area

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

Note: Some lockable storage should be located in this area for the mandatory test supplies. See staff for exact location and size.

CONFERENCE ROOM



CAPACITY:
- Staff
- Parents
- Students
- Visitors

ANCILLARY SPACES:
- Reception Area

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 Sped Reception

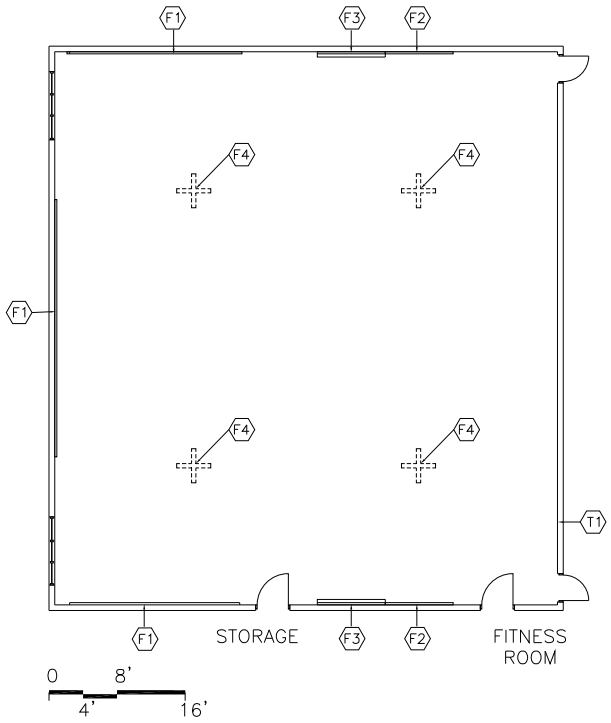
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Auditory privacy
- Windows to provide natural light, desirable
- Window treatment to darken room for AV presentation

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)

Dance

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Large Studio	4	2,000	8,000	
Small Studio	1	910	910	
Fitness/training room	1	0	0	See physical education
Classroom/studio	1	750	750	See regular academic classroom
Student Locker Rms	2	500/700	1,200	
Adult Locker/Workroom/Office	1	400	400	
Conference/office	1	150	150	
Storage	1	175	175	
Costume Room	1	600	600	
Total			**12,185**	

DANCE STUDIOS



CAPACITY:
- Students
- Teachers and staff
- Community

SIZE:
- 4 @ 2,000 SF
- 1 @ 910 SF

ANCILLARY SPACES:
- Locker rms.
- Dept. support rooms

GOAL:
- To support the Dance department

PROGRAM ACTIVITIES:
- Ballet
- Modern Dance
- Tap Dance
- Ethnic Dance

SPATIAL RELATIONSHIPS:
- Large studios will have a vestibule for shoes and visitor/student seating
- Small windows between studios

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Flexibility of space
- Adequate ventilation and ceiling fans
- Electrical outlets for equipment
- Must be able to isolate from the rest of the school after hours
- Drinking fountain in adjacent corridor
- High windows to provide natural light

NOTES:

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

DANCE STUDIO

Finishes[1]:	Spec. Ref.#
Flooring:	
Fully Sprung Harlequin flooring	096566
Base:	
Resilient base	096519
Ceiling:	
16' acoustical	095113
Walls:	
Painted exposed structure	099123

Note: see attached extract.

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Mirrors	088000
Barres	
F2 Tack board (16 LF)	101100
F3 Marker board (16 LF)	101100
F4 Ceiling fans	
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	
Multilevel switching	
High intensity discharge lighting:	
Illumination level: See Table 7600-16	
Clock	
Central sound system	
Communications[2]:	Div. 27
T1 Voice port and phone	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

Dance Studio Specification (Extract)

1. Floor area

The amount of floor area required depends on three variables: the number of participants normally expected to take part in activities, the age of participants and the type of activity envisaged.

1.1 Realistically, in a cost-conscious world, it would be unwise to envisage catering for less than eighteen participants. In some teaching situations it is necessary to cater for thirty.

1.2 Young children need to be able to jump and run about freely. This necessitates more space than their physical size might warrant. Teenagers and adults might be expected to be more disciplined, but nevertheless they need opportunities to run and jump.

1.3 Different genres traditionally require varying amounts of space. South Asian and African genres, for example, are mainly centered on one spot; ballet traditionally makes frequent use of travelling on the diagonal. In dance technique classes a substantial amount of time is likely to be spent on one spot, but for periods there may be a need to travel unimpeded. Choreographic work has very diverse needs. There may be the necessity to split into groups, for more than one activity to be going on simultaneously, for individuals to stand back to have an outside view, or for one group to watch another.

1.4 A useful rule of thumb is to provide a minimum of five square feet for those in the secondary school.

1.5 Studios have been built with a variety of shapes, ovals, circular and with curving walls. Such spaces impose limitations; for many dance activities it is necessary to be able to locate front and for this reason a rectangular space is most useful.

1.6 Where secondary school class sizes are in the region of thirty, then 1,600 sq.ft. is required to provide space for eighteen adults to take part in a modern dance technique class and providing appropriate dimensions for choreographic work without a feeling of being cramped.

2. Floor surface

The floor is the most important attribute for the dancer, and for the dance teacher. Every step and jump is responded to by the quality of the floor underfoot. Every dance step or jump on an unyielding surface wears down the resilience of the body and brings the risk of injury, and the prospect of long term damage, closer. Local planners and architects too readily believe that they don't need expert advice. The dancer or dance teacher with an opportunity for investment in a dance studio is well advised to have reputable floor specifications to hand.

2.1 The ideal is a fully sprung floor permanently laid, and exclusively used, for the purpose of dancing.

Flooring it: one key to dancing well and long is right beneath your feet by Jennifer Gniady

[ ]

Gene Vanasse, national contracts administrator for the American Guild of Musical Artists (AGMA), has a bird's-eye view of dance floors across the country. "There's a range of safe-floor standards out there that depends mostly on the budget of the particular dance company," says Vanasse. "Professional theaters usually have a sprung floor, and all have at least a marley floor for the stage and rehearsal studios."

[ ]

But what makes a floor good or bad? Mark Foley, an architect who specializes in dance and theater facilities, identifies some telltale characteristics in A Handbook of Dance Floors. Structurally, he explains, dance floors need a certain amount of both resilience and resonance. For dancers, that means providing the right amount of flexibility and energy absorption. Floors that lack these qualities can cause dancers to develop shin splints or inflamed ligaments and joints. A too-flexible floor also may create problems, according to Foley. These floors give back the energy they should be absorbing, thereby causing both noise and a rebounding force that can jar or unbalance a dancer. Of course, there are variations in floor preferences. For example, a study of The Royal Ballet found that male dancers prefer a "softer, more compliant floor" for their big jumps, while female dancers want a "stiffer, more secure floor for pointe work."

Foley also identifies some important tactile characteristics of floors, such as texture, temperature, and appearance. Different textures are needed for different styles of dance. High-quality ballroom floors allow for fast movements across a smooth surface and a certain amount of glide. For ballet dancers, a slick floor can lead to slips and falls or clenched muscles from trying to hold on to the floor. Sticky surfaces can slow floors nicely for tap or athletic dance but can impede turns and blow out knees, and at the least, tire muscles more quickly. Surfaces for modern dance must protect barefoot dancers from slipping, abrasions, or having debris imbedded in their feet or toes. Absolutely clean but not waxed is the starting standard for all good floor surfaces.

[ ]

New York City-based ballet teacher and dancer Teresa Grazia-Dei, who studied at the School of American Ballet and Juilliard and teaches at Manhattan Ballet, Broadway Dance Center, and other schools in the New York metropolitan area, has worked in both large international theaters and small teaching studios. Her vision of the ideal floor comes largely from training with Andre Eglevsky at his school on Long Island. "Sprung wood floors are the best [for ballet work], especially when they're not waxed or polished at all," she says.

2.2 What is described as a semi-sprung floor may be a necessary compromise, but it may be wise to turn down such an offer and hold out for a fully sprung floor at a later date. School gymnasiums of the 1960s and 70s often had semi-sprung floors, and many of these have, by now, lost their resilience. There are also roll-down floors, which have varying degrees of resilience, but most of these do not provide the full resilience essential for safe dancing.

3. Studio height

The height of the studio relates to the circulation of fresh air and to the opportunity to jump and lift. But the height requirement goes beyond the purely physical.

3.1 A plentiful supply of fresh air is necessary for the dancer to replenish energy quickly. But beyond the physiological need the dancer performs best with a sense of being able to expand into the space.

3.2 Physically it is important to have headroom so that the dancer never feels inhibited in achieving height. The opportunity for one dancer to stand on the shoulders of another and raise her/his arms in the air, makes for a height of at least 16 ft.. This height gives an appropriate sense of spaciousness.

4. Vestibule

A space of 350-400 SF within the dance studio, but separated from the area of the dance floor, is invaluable. The entrance to the studio should be into this area.

4.1 This may accommodate a piano or other instrumental accompaniment and a secure electronic music source.

4.2 Additionally there are sometimes one or two class participants or visitors who need to sit out in this area.

4.3 Even with full changing facilities participants may want to bring personal items and valuables in to the studio area with them, which can be left in this area within sight. Changing or discarding shoes may also happen here.

4.4 A boldly marked change of floor surface between this space and the dance floor is invaluable in separating the two areas, discouraging people from stepping onto the dance floor in inappropriate footwear.

5. Ventilation and heating

It is essential in a dance studio that there is local, accessible and quickly responsive control of ventilation and heating. The long-time practice of opening and closing the windows provides too uneven a pattern to provide a safe environment. 65ºF is an absolute minimum, below which it is unsafe to practice anything beyond small, sedentary, gestural movement. Many think it wise to maintain a temperature of around 74ºF.

5.1 Extractor fans vary in their noise level, and this may interfere with concentration and communication. The noise of the passage of air through an extractor is related to the design and to the volume and speed of the movement of the air. Additionally the actual mechanism may be noisy, and this needs to be rejected. If there is an audience in the studio and stage lighting is being used there is a

maximum need for ventilation. Too often unwisely chosen extractors have to be switched off at this crucial time because they are too noisy.

5.2 It is important that the heating system provides an even temperature throughout the space rather than sources of localized heat. The control of this heating source needs to be close at hand, but not where anyone can fiddle with it to meet personal, and sometimes eccentric, needs. Noise is not usually such a problem with heating systems as it is with ventilation, but it does need to be considered. It is important that the heat of the studio, or of a summer day, is never regarded as a substitute for a proper warm-up before dance activity.

6. Sound

It is important that sound accompaniment is heard crisply within the studio, but it is essential that it does not contaminate adjoining workspaces.

6.1 Sound insulation is a primary structural consideration. Cavity walls are invaluable, and these may have baffling material enclosed or on the surface. Inner and outer doors should be close-fitting and solid, with spring closures, and the space between such doors needs to be thoroughly baffled.

6.2 Within the space excessive reverberation from hard surfaces needs to be avoided. Partial wall curtaining has acoustic as well as aesthetic value.

7. Light sources; daylight/blackout

A major consideration is the advantages and disadvantages of daylight or of blackout. Where the main activity is dance training or recreational dance daylight is invaluable. If the focus is on dance as a theatre form then blackout may be essential.

7.1 Windows at eye level rarely help concentration on dance activity. Views provide a distraction for those inside and a temptation for people outside to stare in. On the other hand during daylight hours windows provide an airy, open atmosphere which is conducive to concentration, though direct sunlight on the dancer may be a distraction. If windows are to feature, they may be best in opaque glass or located above eye height.

7.2 If facilities for lighting the dance are envisaged, then blackout is an important adjunct. There is nothing worse than working with a supposed blackout into which tiresome shafts of daylight penetrate from ineffective blackout. And it is very difficult to find effective and robust blackout which can be readily closed and opened without rapid deterioration. A studio without daylight can feel oppressive, though this can be alleviated to a great extent by imaginative interior decoration. It has the advantage of allowing lighting to be used without the sometimes-tedious procedure of blacking out.

7.3 For dance performance a black box studio is ideal. For regular use in dance education and training daylight is a boon. The decision about priorities is crucial.

8. Lighting

A decision needs to be made on whether, either immediately or in the future, theatrical lighting may be installed. In any case good illumination for general purposes needs to be planned.

8.1 General light is usually by florescent tubes. These should be behind frosted glass panels to provide mellow and complete coverage. For the larger studio it is probably wise for these to be controlled in three or four banks. It is tedious to have each florescent light source separately switched. For the size of studio referred to above, two switches are sufficient, the first to provide minimal light, sufficient to see around the space, and the second to add full illumination. Switches need to be close at hand inside the studio so that they may be switched on during activity without interruption; they should not be outside a door. The vestibule is the ideal location.

8.2 Appropriate theatrical illumination for dance has developed rapidly in recent years. It should not be assumed that a rig suitable for drama or other activities would be suitable for dance. Angles are crucial, side sources are important and there should be provision for gobos and special effects. There will be need for a secure housing of the controls from which there is an unimpeded view of the whole dance space. Storage of equipment will need to be considered.

8.3 Often, when on a tight budget, one thinks that once the studio is in use one can plan the later addition of lighting, thus reducing the initial cost. This is true of equipment, but it is not true of circuitry. The cost of putting in the necessary wiring and sockets and of bringing sufficient power to the site is much less if done at the outset than if it has to be installed at a later date. It can also be partially concealed in a more sightly fashion at the outset.

9. Interior design

It is important to realize that this plays both a functional role and an aesthetic one.

9.1 For many dance training contexts barres are necessary. These may need to provide space for every member of a class to stand at the barre. As well as barres along the walls, it may be necessary to have portable barres, which can be stored away. It is essential that barres are of a substantial, stable design, as they may receive considerable force or weight. Two barres at different heights is the most versatile arrangement in catering for dancers of differing heights. The top of the barres should range between 900mm and 1200m from the floor, allowing the hand to rest at arms length without raising the shoulder.

9.2 Similarly, mirrors may be considered important. A complete wall of mirror up to the height of 2200mm, in which all participants can clearly observe their dance image, is ideal. There are, however, situations where being able to see ones image while dancing is a hindrance. Mirrors should have curtaining, which is independent of other curtaining, to cover them.

9.3 With regard to color of surfaces, there is a dichotomy. Dark colors are best for theatrical lighting effects as they absorb light, avoiding spill and maximizing localized definition. For everyday use light colors are best, creating a bright and stimulating working ambience.

9.4 Double-sided or duplicate curtains on heavy-duty runners may provide a partial solution.

9.5 To have versatile use with theatrical lighting, black curtains are often thought to be the only solution. Dark blue, dark green and brown are serviceable alternatives which are less oppressive in daily use.

9.6 A working dance studio needs a generously proportioned display wall, which should form an integral part of the design. This should not be for everyday notices, which would tempt people to enter to read them wearing unsuitable footwear, but for inspirational material: past dance performance publicity, designs which have movement quality or cultural significance and, most importantly, health and safety charts and diagrams. To avoid distraction this should not be on the wall in front of which a teacher habitually faces a class.

10. Seating

If the studio is to be used for performance then seating has to be provided. This can be for as few as fifty, in two rows of twenty-five. To warrant large numbers a larger performance space is necessary. Seating is most frequently provided on retractable tiers.

11. Access to drinking water

Working dancers need frequent liquid intake to replenish the loss caused by exertion. A drinking water fountain close at hand is invaluable.

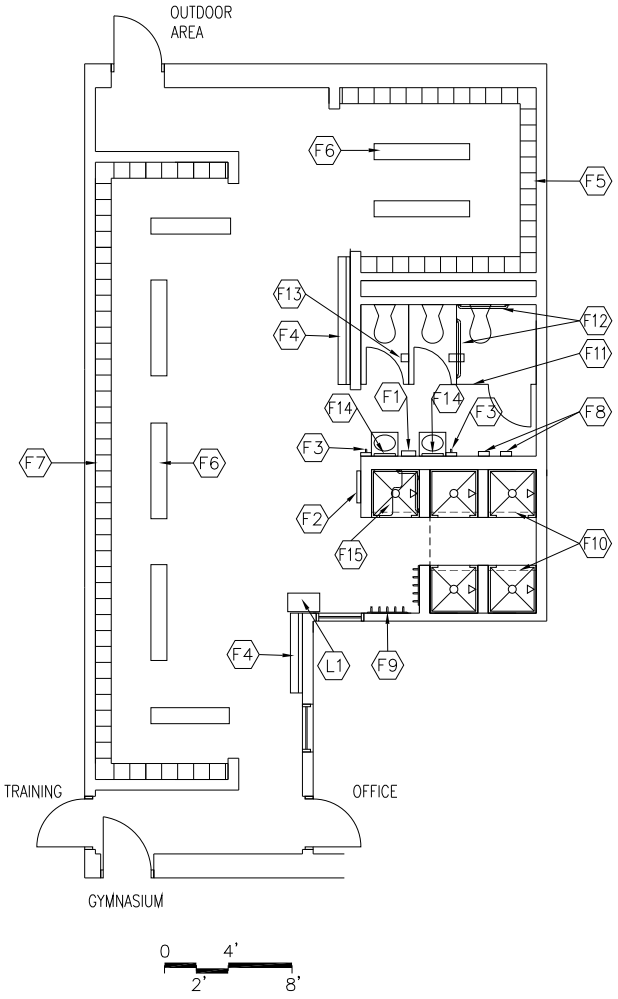
12. Access for the disabled

It is easy to overlook provision for the disabled in studio design. Wheelchair users, in particular, need thorough consideration.

13. Security

A dance studio is a major asset. It may, in time, contain much valuable equipment. Its floor surface can be easily damaged. For safety as well as security it is essential that it can be securely locked.

LOCKER ROOMS / SHOWERS



CAPACITY:
- 20- Male
- 65 - Female
- Others as appropriate

ANCILLARY SPACES:
- Dance Studios (M-PEH-1)
- Office (M-PEH-5)

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

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

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Cleanable building surfaces
- Adequate ventilation and exhaust
- Towel storage in adjacent area

NOTES:

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

LOCKER ROOMS / SHOWERS

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
F6 Locker benches	105113
F7 Athletic lockers (50)	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

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

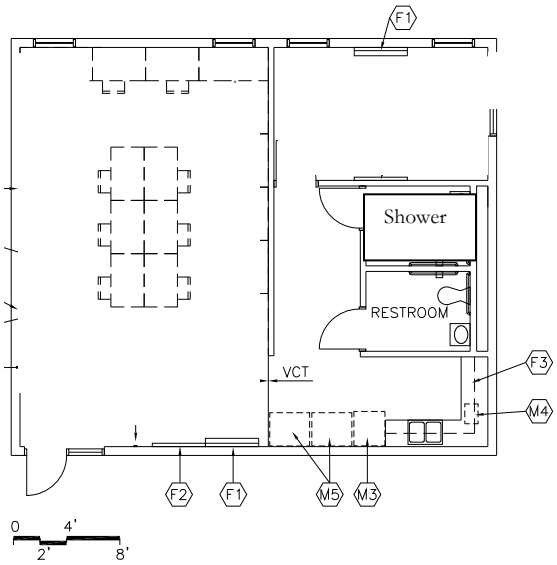
HVAC: Div. 23
- Supply/return air system
- Exhaust air system
- Independent temperature controls
- Humidity controls

Miscellaneous:
N/A

NOTES:

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

OFFICE/WORK CENTER/ADULT LOCKER RM.



CAPACITY:
- 6-7 teachers

ANCILLARY SPACES:
N/A

GOAL:
- To provide space for teachers to carry out their administrative duties, change for class, lock up personal items, and to collaborate

PROGRAM ACTIVITIES:
- Store files
- Enter and access data
- Contact community resources via telephone and e-mail
- Collaborate
- Eat lunch

SPATIAL RELATIONSHIPS:
- Contains restrooms/showers, locker area, kitchenette, and workspace

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

NOTES:

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

OFFICE/WORK CENTER

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

Loose Furnishings:
- L1 Conference table and chairs
- L2 Worktable and chairs
- L3 2 individual workstations
- L4 Printer table
- Wastebaskets

Miscellaneous:
- M3 Refrigerator with icemaker
- M4 Microwave

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Marker board (12 LF)	101100
F2 Tack board (12 LF)	101100
F3 Casework:	
Base/wall cabinets	123200
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Plumbing connections	
Sink	
Refrigerator ice make	
Showers	
Floor drains - in restrooms	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Duplex receptacles	
TVSS protected quad receptacle adjacent to each data port	
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 each workstation	
T3 Data port for printer	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

NOTES:

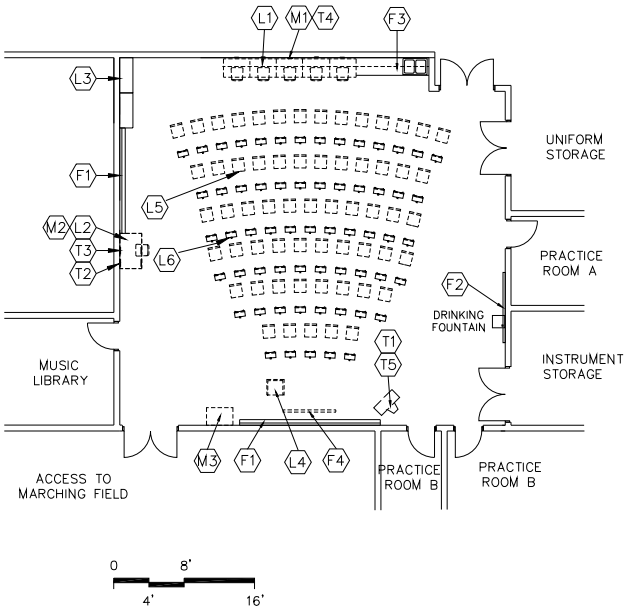
Finishes/Features: Refer to Chapter 8 for specification references.
Refer to the Educational Specifications — Technology, Section 1240

Instrumental/Vocal Music

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Wind Band			8,252	
Rehearsal space 2,600 SF				
Instrument storage 240 SF				
Uniform storage 400 SF				
Office 120 SF				
4 Practice rms 40/100 SF				
Orchestra				
Rehearsal space 2,600 SF				
Instrument storage 240 SF				
Uniform storage 180 SF				
Office 120 SF				
4 Practice rms 40/100 SF				
Jazz Ensemble				
Rehearsal space 800 SF				
Instrument storage 72 SF				
Office 120 SF				
4 Practice rms 40/100 SF				
Percussion Lab	1	600	960	Practice rooms need interior door
Practice rms	2	80		frames min 36”- 40” wide
Practice rm	1	100		
Office	1	100		
Lesson Studios	12	150	1,800	
Instrument repair	1	75	75	
Small Ensemble/theory classrooms	2	400	800	
Office/Library	2	400	800	Instrumental/Voice
Choir Room	1	1400	1860	
Practice rooms (small)	3	80		
Practice room (medium)	1	100		
Office	1	120		
Large classrooms/studios	3	800-1,000	3,160	
Practice rooms (small)	2	80		Located between two classrooms
Theory classrooms/studios	2	700	1,400	
Piano studios	3	700	2,100	
Costume storage	1	400	400	
Storage areas	3	200	300	AV, props, and furniture
Total			21,907	

Instrumental and Vocal Music are separate departments with some shared spaces. They are shown here together because both use the piano studios.

BAND / ORCHESTRA/JAZZ/PERCUSSION ROOM H-PA-16



CAPACITY:
- Up to 85 students
- Teacher

ANCILLARY SPACES:
- Uniform Storage (H-PA-17)
- Instrument Storage (H-PA-18)
- Instrument Practice Room
- Music Library (H-PA-25)

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

PROGRAM ACTIVITIES:
- Orchestra
- Wind Band
- Jazz ensemble (smaller space)
- Percussion (smaller space)

SPATIAL RELATIONSHIPS:
- Convenient access to stage of Auditorium
- Adjacent and access to Uniform Storage
- Adjacent and access to Instrument Storage
- Adjacent and access to Instrument Practice Room
- Adjacent and access to Music Library

ENVIRONMENTAL CONSIDERATIONS:
- Uniform 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

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Confirm with each schools' music department personnel the portable riser use and configuration.
3. Where non-parallel walls are used, the layout shall not create concealed areas.

BAND / ORCHESTRA/JAZZ/PERCUSSION ROOM

Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet	096816
Base:	
Resilient base	096519
Ceiling (18' high minimum):	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123
Acoustical wall treatment	098400

Loose Furnishings:
- L2 Teacher desk and chair
- L3 Sheet music cabinet (150 concert sized folio capacity)
- L4 Conductors podium/stand/chair
- L5 Music posture chairs
- L6 20-80 music stands (by room)
  Portable seated risers (not shown)
  Wastebasket

Miscellaneous:
- M3 MIDI synthesizer with music software
  Audio enhancement equipment

Communications[2]: Div. 27
- T1 Video ports, monitors, VCR, and brackets
- T2 Voice port and phone
- T3 Data port near teacher workstation
- T5 Cable/MATV port

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Marker board (24 LF)	
1/2 with staff lines	101100
F2 Tack board (12-16 LF)	101100
F3 Casework:	
Base/wall cabinets (8 LF)	123200
F4 Manual projection screen	115213

Fire Suppression: Div. 21
- Fire suppression system

Plumbing: Div. 22
- Plumbing connections
  - Large, deep sink
  - Drinking fountain

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

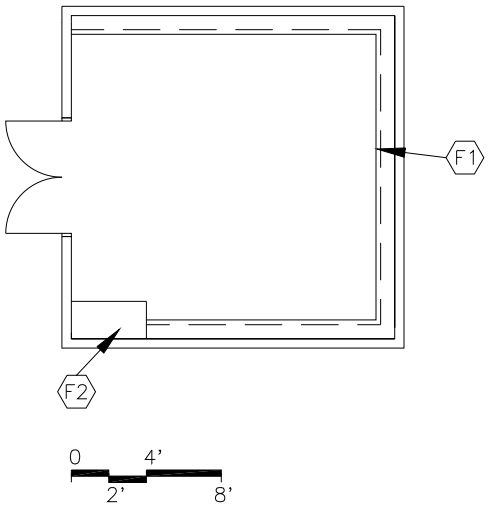
Electrical: Div. 26
- 3 Duplex receptacles per wall
- TVSS protected quad receptacle adjacent to data and video port
- Multilevel switching
- Fluorescent lighting:
- Illumination level: See Table 7600-16
  - Means of egress lighting per code
- Clock
- Central sound system
- Band/orchestra sound system with sound recording/editing equipment and microphone connection
- Auditorium 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.

UNIFORM/COSTUME STORAGE (band, orchestra, choral) **H-PA-17**



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

CAPACITY:
N/A

SIZE:
- varies

ANCILLARY SPACES:
- Band/Orchestra Room (H-PA-16)

NOTES:

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

UNIFORM STORAGE (band, orchestra, choral)

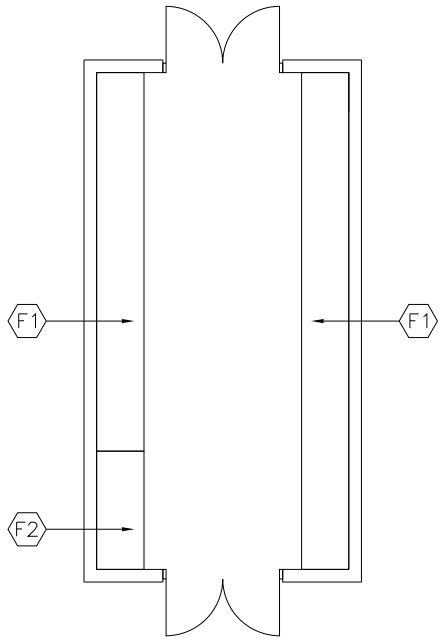
Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123
Loose Furnishings:	
N/A	

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Closet shelving	
Double rods	062023
F2 Casework:	
Tall cabinet	123200
Fire Suppression:	Div. 21
Fire suppression system	
HVAC:	Div. 23
Supply/return air system	
Electrical:	Div. 26
Duplex receptacles	
Single-level switching	
Fluorescent lighting:	
Illumination level: See Table 7600-16	

NOTES:

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

INSTRUMENT STORAGE (band, orchestra, Jazz) **H-PA-18**



CAPACITY:
N/A

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Band/Orchestra Room (H-PA-16)

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

NOTES:

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

INSTRUMENT STORAGE

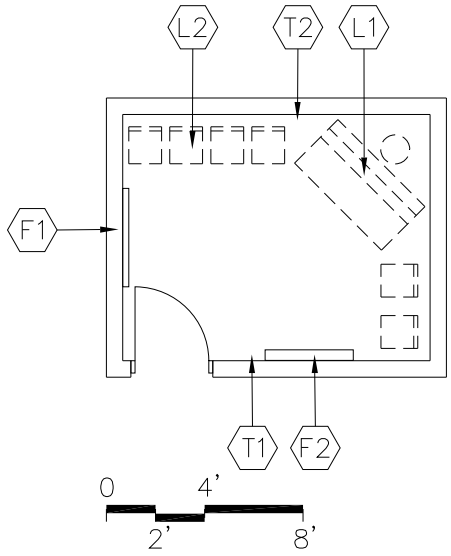
Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123
Loose Furnishings:	

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Storage shelving	
Instrument storage with open grille doors	105613
F2 Casework:	
Tall cabinets	123200
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC: Div. 23	
Supply/air return system	
Electrical:	Div. 26
Duplex receptacles	
Single-level switching	
Fluorescent lighting:	
Illumination level: See Table 7600-16	

NOTES:

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

PRACTICE /LESSON STUDIOS (band, orchestra, Jazz, choral) **H-PA-19**



GOAL:
- To provide an area for individual student and small group practice and rehearsals
- To provide a space for individual ad small group lessons

PROGRAM ACTIVITY:
- Instrumental practice/rehearsals
- Lessons

SPATIAL RELATIONSHIP:
- Practice rooms are adjacent and access from Band/Orchestra/Jazz/Choral Rooms
- Lesson studios are accessed from the corridor

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

CAPACITY:
- Students
- Teacher

SIZE:
- varies

ANCILLARY SPACES:
- Ensemble Rooms

NOTES:

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

PRACTICE /LESSON STUDIOS

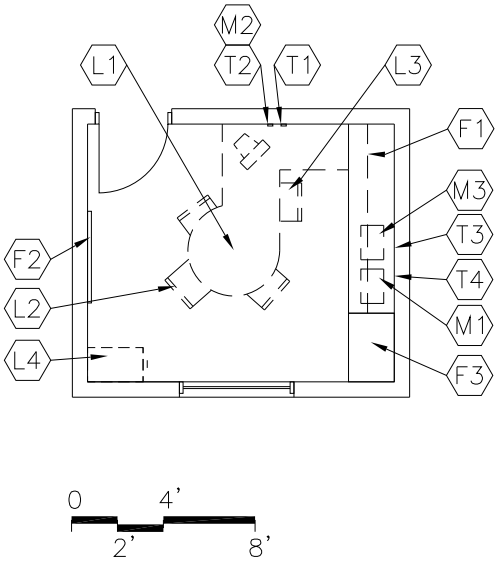
Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet	096816
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123
Acoustical Wall Treatment (varies with geometry of room)	098400
Loose Furnishings:	
Varies	

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Tack board (4 LF)	101100
F2 Marker board (4 LF)	101100
Mirrors	
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 video port	
Single-level switching	
Fluorescent lighting:	
Illumination level: See Table 7600-16	
Central sound system	
Communications (Lesson studios):	Div. 27
T1 Voice port and phone	
T2 Data port	
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.
2. Refer to the Educational Specifications - Technology, Section 1240.

OFFICE (All) **H-AD-4**



CAPACITY:
- One staff
- Visitor

SIZE:
- 100-150 SF

ANCILLARY SPACES:
N/A

GOAL:
- To serve as the home base for the staff

PROGRAM ACTIVITIES:
- Student counseling
- Telephone calls
- Administrative paperwork
- Planning
- Computer input
- Meetings with parents, students, and staff

SPATIAL RELATIONSHIPS:
- May be located within academy

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

NOTES:

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

OFFICE

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 Conference table (Dean only)
- L2 Side chairs
- L3 Desk and chair
- L4 Four-drawer locking file cabinet
- Wastebasket

Miscellaneous:
- M1 Printer
- M2 Computer

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Base/wall cabinets and shelving	123200
F2 Tack board (4 LF)	101100
F3 Casework:	
Wardrobe	123200

Fire Suppression: Div. 21
- Fire suppression system

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

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

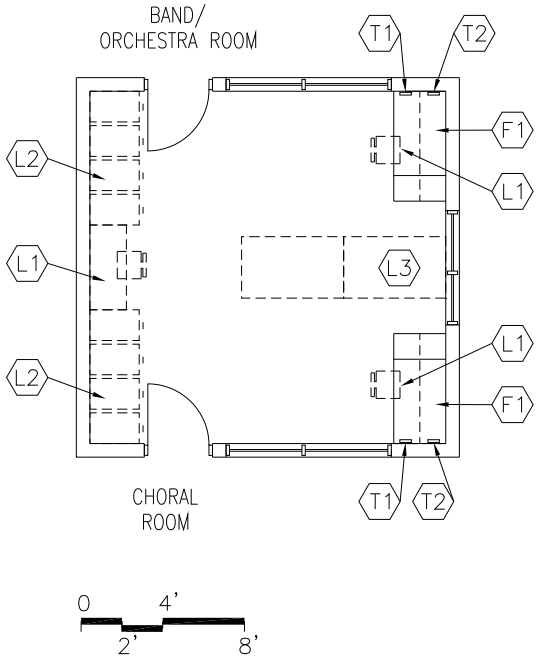
Communications[2]: Div. 27
- T1 Voice port and phone
- T2 Data port near workstation
- T4 Data port for printer

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

NOTES:

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

MUSIC LIBRARY (Instrumental and vocal) **H-PA-25**



CAPACITY:
- 3-6 Persons

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Band/Orchestra Room (H-PA-16)
- Choral Room (H-PA-21)

GOAL:
- To store all music and method books for chorus and instrument classes
- Department Office

PROGRAM ACTIVITIES:
- Store music
- Store method books
- Cataloging
- Sorting
- Filing
- Copying

SPATIAL RELATIONSHIPS:
- Adjacent and access to Band/Orchestra Room
- Adjacent and access to Choral Room

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 40
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light
- Sound windows to Choral Room and Band/Orchestra Room
- Sound-proof glass separating Music
- Library with window blinds

NOTES:

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

MUSIC LIBRARY

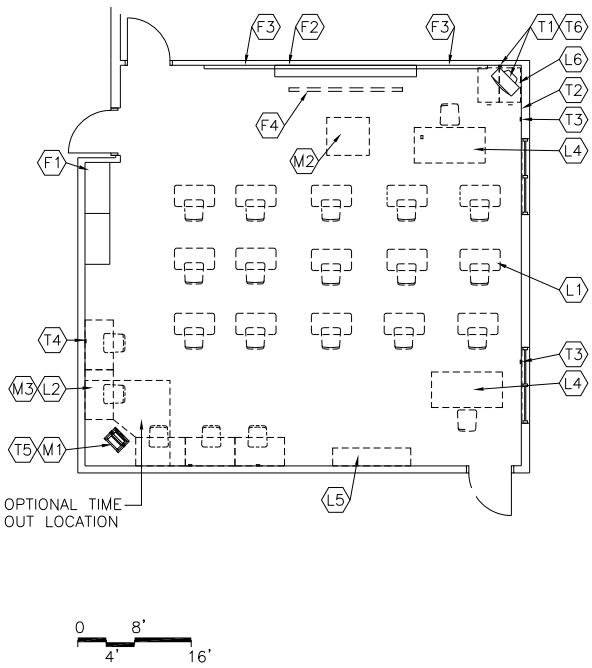
Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet	096816
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123
Loose Furnishings:	
L1 Computer workstation furniture with ergonomic task chairs	
L2 6, four-drawer filing cabinets	
L3 2 work tables	
Wastebasket	

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework: Base cabinets and wall shelving	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 receptacle adjacent to each 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 port	
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.
2. Refer to the Educational Specifications - Technology, Section 1240.

THEORY CLASSROOM/STUDIOS (Instrumental and vocal)



CAPACITY:
- 2 or more staff
- 15-20 students

SIZE:
- 400-600 SF

GOAL:
- To provide classroom space for music study

PROGRAM ACTIVITIES:
- Small group work
- Independent work

SPATIAL RELATIONSHIPS:
- Central to instrumental and vocal music dept.

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

NOTES:

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

THEORY CLASSROOM/STUDIO (Instrumental and Vocal)

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 5 Computer/listening workstations
- L4 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 with overhead projector, computer projector, and multimedia teacher computer
- M3 5 computers for student use

Features[1]:	Spec. Ref.#
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

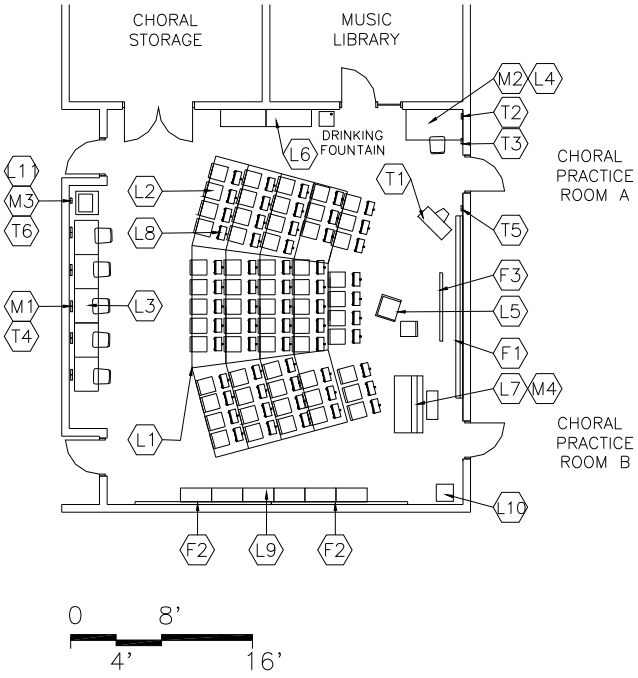
Electrical: Div. 26
- Fluorescent lighting
  - Illumination level: See Table 7600-16
- Multilevel switching
- Duplex receptacles
- TVSS protected quad receptacle adjacent to each data and video ports
- Central sound system
- Clock

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.

CHORAL ROOM **H-PA-21**



CAPACITY:
- up to 85 students
- Teacher

ANCILLARY SPACES:
- Choral Storage (H-PA-22)
- Choral Practice Room A (H-PA-23)
- Choral Practice Room B (H-PA-24)
- Music Library (H-PA-25)

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

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

SPATIAL RELATIONSHIPS:
- Near Auditorium Stage
- Adjacent and access to Choral Storage
- Adjacent and access to Music Library
- Adjacent and access to Practice Rooms

ENVIRONMENTAL CONSIDERATIONS:
- Uniform 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
- Sound-proof glass separating Music
- Library with window blinds
- Non-parallel surfaces (walls/ceiling) for acoustical benefits
- Sound seals on doors

∃

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Confirm with each schools' music department personnel of the portable riser use and configuration.

CHORAL ROOM

Finishes[1]:	Spec. Ref.#
Flooring:	
Carpet	096816
Base:	
Resilient	096519
Ceiling (15' high minimum):	
Suspended acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123
Acoustical wall treatment (varies with geometry of room)	098400

Loose Furnishings:

L1	Portable standing choral risers
L2	40-60 musical posture chairs
L4	Teacher desk and chair
L5	Conductor's podium, chair, and stand
L6	Sheet music cabinet (150 concert sized folio capacity)
L7	Upright piano
L8	40-60 music stands
L9	Adjustable height bookshelves (48 LF)
L10	Sound recording/editing equipment cabinet
	Wastebaskets

Miscellaneous:

M2	Computer – teacher use
M3	Printer
M4	MIDI synthesizer with music software
Audio enhancement equipment	

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

Features[1]:	Spec.
Fixed Equipment:	
F1 Marker board (24 LF) 1/2 with staff lines	101100
F2 Tack board (16 LF minimum)	101100
F3 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
3 Duplex receptacles per wall
TVSS protected quad receptacle adjacent to data and video port
Multilevel switching
Fluorescent lighting:
Illumination level: See Table 7600-16
Means of egress lighting per code
Clock
Central sound system
Band/Orchestra sound system
Auditorium sound system

Communications[2]: Div. 27

T1	Video port, monitor, VCR, and brackets
T2	Voice port and phone
T3	Data port near teacher workstation
T5	Cable/MATV port
T6	Data port for printer

NOTES:

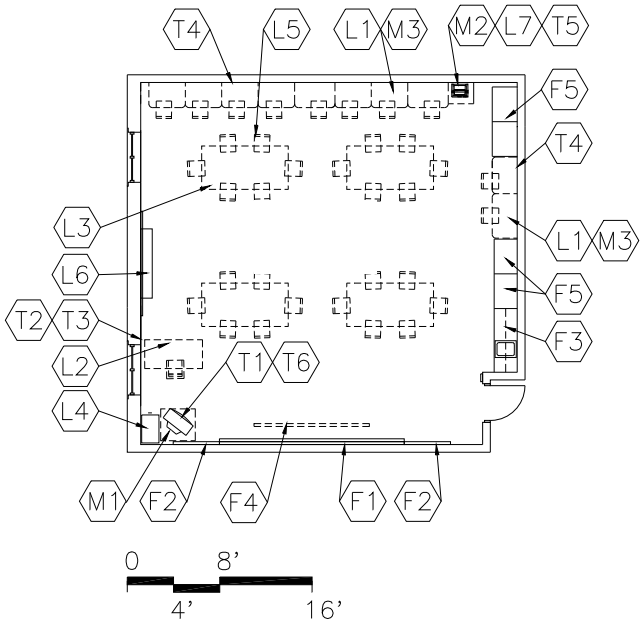
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications - Technology, Section 1240.

Museum Studies/Literary Media and Communications

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Museum Studies				
Project Lab/Classroom	1	900	900	
Graphics Technology	1	1,000	1,000	Includes 100 SF lockable storage
Office/dept. storage	1	200	200	
Shared classroom	1-2	0	0	
Gallery and storage				See common space
LM&C				
Graphics/Computer Lab	1	900	900	
Writing Studio	1	800	800	See staff for layout
Office/storage	1	200	200	
Journalism room - storage	1	800 100	900	
Shared classroom	1-2	0	0	
Shared				
Audio - Video Suite				
- Video Production Lab/Classrm.	1	700	700	
- Equipment storage	1	200	200	Lockable
- Sound recording/editing booth	1	200	200	
- Editing lab/classroom	1	600	600	
Total			**6,600**	

Museum Studies and Literary Media and Communications are separate departments. However they may share spaces. Currently both faculty share some academic classrooms in the afternoons.

PROJECT LAB/CLASSROOM **H-AC-2**



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

GOAL:
- To provide flexible space for Museum Studies

PROGRAM ACTIVITIES:
- Large group and small group instruction
- Hands-on activities
- Computerized instruction
- Team teaching
- Oral presentation
- Tutoring

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 presentation

NOTES:

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

PROJECT 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 computer workstations
L2	Teacher desk and chair
L3	4 rectangular tables
L4	1, 4-drawer file cabinet
L5	24 chairs
L6	Adjustable height bookshelves (24 LF)
L7	Printer table

Flatbed storage for prints (see staff for specs)
Wastebasket

Features[1]:	Spec. R
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 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[2]:	Div. 27
T1 1 video port, monitor, VCR, and brackets	
T2 1 voice port and phone	
T3 1 data port near teacher workstation	
T4 10 data ports (minimum) for student use	
T5 1 data port for printer	
T6 1 cable/MATV port	
Overhead LCD Proj.	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

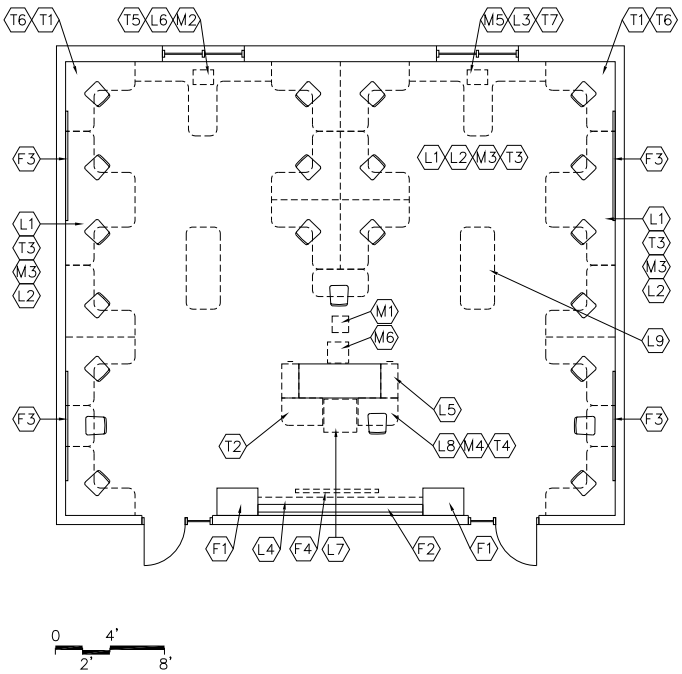
Miscellaneous:

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

GRAPHICS/TECHNOLOGY LAB **H-AC-3**



CAPACITY:

- 24 students
- Staff member

GOALS:

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- One of two labs will be adj. to Media Center

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting with an appropriate visual comfort probability level
- 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
- Proportion classroom for effective viewing and listening from all areas or the classroom

NOTES:

1. Loose furnishings and features represent one of many possible arrangements. Confirm with the District of Columbia Public Schools' technology education specialist for specific curriculum and equipment requirements.

TECHNOLOGY LAB

Finishes[1]:	Spec. Ref.#
Flooring:	
Quartz tile	096618
Base:	
Resilient base	096519
Ceiling: (9' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123

Loose Furnishings:

L1	21-4 student chairs
L2	21-4 computer workstations
L3	Scanner table
L4	Adjustable height bookshelves (24 LF)
L5	2, four-drawer file cabinet
L6	Printer table
L7	Multimedia cart for teacher use
L8	Teacher chair and desk
L9	Work tables
	Wastebasket

Miscellaneous:

M1	Ceiling mounted projector (LCD)	Div. 27
M2	Printer/plotter	
M3	21-24 computers for student use	
M4	Computer for teacher use	
M5	Scanner	
Audio enhancement equipment		

Communications[2]: Div. 27

T1	Video ports, monitors, VCR's, and brackets	274133
T2	Voice port and phone	275116
T3	24 data ports	271600
T4	Data port near teacher workstation	275116
T5	Data port for printer	275116
T6	Cable/MATV port	275116
T7	Data port for scanner	275116

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Tall cabinets	123200
F2 White board (12 LF)	101100
F3 Tack board (32 LF)	101100
F4 Projection screen	115213
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	

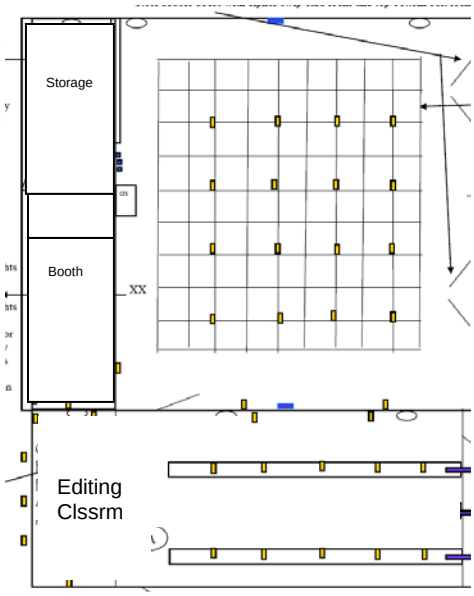
HVAC: Div. 23
- Supply/return air system
- Independent temperature controls

Electrical: Div. 26
- Duplex receptacles
  - 3 per primary teaching wall
  - 2 per other walls
- TVSS protected quad receptacle adjacent to data and video ports
- Multilevel switching
- Fluorescent lighting with parabolic lenses
  - Illumination level: See Table 7600-16
- Clock
- Central sound system
- Projection Screen
- Ceiling mounted projector with electronic white board (or alternative)

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.

AUDIO-VIDEO SUITE **H-AC**



CAPACITY:
- 18 students
- Staff member
- Guest speakers/volunteers

SIZE:
- 1,800 SF

ANCILLARY SPACES:
- N/A

GOAL:
- To provide a soundproof, properly lighted room for video productions and audio productions
- To be a classroom for media students

PROGRAM ACTIVITIES:
- Video creation/production
- Voice over/dubbing
- Creative writing
- Closed circuit TV production
- Film watching and critiquing

SPATIAL RELATIONSHIP:
- Adjacent to Museum Studies and LM&C

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 (Walls and ceiling)
- Special lighting for video production
- HVAC control separate

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

AUDIO-VIDEO SUITE

Finishes[1]:	Spec. Ref.#
Flooring:	
Rubber	096816
Base:	
Resilient base	096519
Ceiling:	
Open light grid w/ acoustical treatment above	095113
Lighting grid of 1" steel in 3' squares	
Walls:	
Painted concrete masonry units	042000 / 099123
Acoustical wall treatments	098400
Doors: Vestibule w/ light and sound control into the studio	
Loose Furnishings:	
Studio: Backgrounds (Green screens?) and lighting equipment	
Folding chairs (18)	
Recording Booth: See manufacturer or staff	
Editing Classroom:	
Computer workstations/chairs (10-12)	
Tables and chairs	
Wastebasket	
Miscellaneous:	
M1 10 computers - student use	
M3 Projection device on cart	Div. 27
M4 2 printers	
M6 Video cameras/monitor	
M7 Production and editing equipment	

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Marker board (12 LF)	101100
F2 Tack board (8 LF)	101100
F3 Manual projection screen (studio and editing classroom)	115213
F4 Curtain	116143
Fire Suppression:	Div. 21
Fire suppression system	
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 for 'House lights'	
Fluorescent/spotlighting stands	
Illumination level: See Table 7600-16	
Clock	
Central sound system to editing room only	
Communications[2]:	Div. 27
T1 Video port, monitor, VCR, and brackets	
T2 Voice port and phone	
T3 10 data ports (min.) – editing area	
T4 Cable/MATV port	
T5 Data ports for printers	
T6 Video port for camera	
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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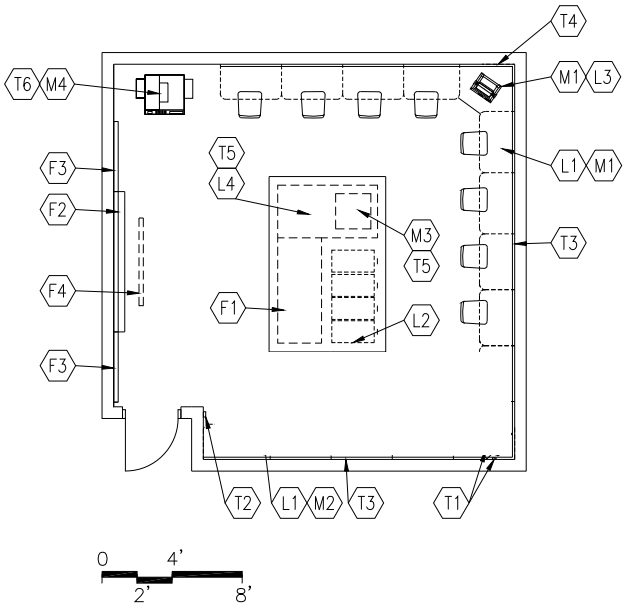
PUBLICATION WORKROOM (adjacent to writing classroom) **H-AC-25**



CAPACITY:
- 10-18 students
- Staff

GOALS:
- To provide flexible space as a resource area for productions (magazines, brochures, playbills)

PROGRAM ACTIVITIES:
- Writing and developing layouts using computer technology
- Printing
- Proofreading
- Copying
- Scanning
- Editing and layout

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting with an appropriate visual comfort level
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Adequate ventilation
- Windows to provide natural light, desirable; provide window treatment to darken if windows are provided

NOTES:

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

PUBLICATION WORKROOM

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	5-8 computer workstations and chairs
L2	4, four-drawer locking file cabinets
L3	Printer table
L4	Lateral files
	Wastebasket

Miscellaneous:

M1	Printer
M2	5-8 computers for student use
M3	Scanner
M4	Copier
M5	Projection device on cart (not shown)

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Base cabinets	123200
F2 Marker board (8 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 controls

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

Communications: Div. 27

T1	1 video port, monitor, VCR, and brackets
T2	1 voice port and phone
T3	8 data ports for student use
T4	Data port for printer
T5	Data port for scanner
T6	Data port for copier

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

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification reference.
Refer to the Educational Specifications – Technology, Section 12

Common Areas

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Galleries	3	varies	3,000	Permanent, Student, Duke Ellington (may be corridors and open space)
Art Collection Storage	1	600	600	
Performance Hall	1	3,600	3,600	Seat 200-300 – flexible seating; platform stage
Recording Studio	1	900	900	Currently off cafeteria
Total			**8,100**	

Galleries should be located in the front lobby of school, lobby of theater, along corridors. Rethink locker arrangement to maximize corridor art and informal collaboration spaces. The front lobby is traditionally the student (rotating) gallery. This space is also an informal teaching space. The Duke Ellington Collection needs a permanent location. The permanent collection may be rotated throughout the year and needs a conditioned storage area when not on display. See staff for inventory.

The performing hall will be an intimate venue used for ensembles, readings, guest speakers, and individual student performances.

- For this arrangement a portable shell will be set up on a 600 SF stage area.
- Flexible audience seating in the front will allow expansion of the stage area when needed or be a meeting/reception space. Some permanent tiered seating will insure good sight lines and appropriate acoustics.
- Acoustics will need to adjust to music and voice.
- Simple 'theater' lighting is needed with multi-level controls.
- A user friendly sound system should be operable from the top tier.
- The stage must be accessible for pianos and other large instruments.
- Ideally, locate a classroom behind the stage wall (door to stage) to act as a back stage and green room. Double doors with removable mullions will allow for pianos to be moved on and off.

The school's sound studio may be moved to a space more central near an outside entrance. Square foot allowance is an estimate.

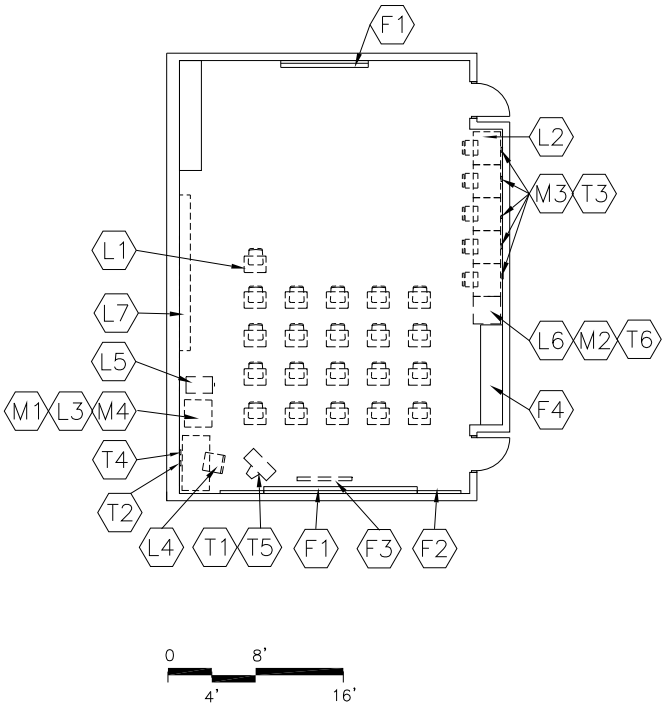
Theatre

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Studios	2	1,000-1,200	2,200	w/ sprung floor
Rehearsal Rooms	3	200-500	1,000	Access from studios
Storage	3	Varies	750	Costumes, sets, props, furniture
Changing rooms	2	200	400	w/ lockers near costume room
Black Box Control room	1	2,300 120	2,300 120	
Office	1	220	220	
Shared Classroom	1	0	0	
Production Office (student)	1	220	220	
Total			**7,210**	

The Black Box Theatre will be used primarily for student productions and classes. The 2,300 square-ft space should be a four-walled performance venue and may have an irregular shape. Ideally, the room should have 29’ ceiling height and a pipe grid at 22’ above the stage floor. Mechanical ducts, lighting, sprinklers, and electrical services are located above the grid.

If feasible a technical gallery should run around three sides of the space at 14’ off the stage floor providing access to lighting, audio and rigging gear. A full control booth would be located on the gallery level.

THEATRE STUDIOS **H-PA-15**



CAPACITY:
- 21 Students
- Teacher

GOALS:
- To provide an area for drama classes to learn and rehearse.
- To provide an area for movement classes to learn and rehearse.

PROGRAM ACTIVITIES:
- Classroom instruction
- Writing and storing scripts
- Video taping
- Rehearsal room

SPATIAL RELATIONSHIPS:
- Near the Theater
- Provide vestibule in room with sprung floor with cubbies for shoes and personal belongings

ENVIRONMENTAL CONSIDERATIONS:
- Environmental sound control:
  Wall minimum: STC 40
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Appropriate acoustics
- Comfortable rooms with pleasant décor that contribute to a creative atmosphere
- Window treatment to darken room for AV presentations
- Proportion classroom for effective viewing and listening from all areas of classroom

NOTES:

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

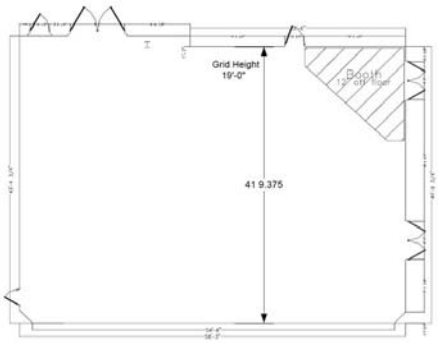
STUDIOS

Finishes[1]:	Spec. Ref.#
Flooring:	
One room wood	096816
One room with a sprung floor	
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry Units or dry wall	042000 / 099123
Acoustical wall treatment	098400
Loose Furnishings (no loose furniture in room w/ sprung floor):	
L1 21 student	
L2 5 computer workstation - student use	
L3 Multi-media cart – teacher use	
L4 Teacher desk and chair	
L5 Four-drawer file cabinet	
L7 Adjustable height bookshelves (24 LF) Wastebasket	
Miscellaneous (no loose technology in room w/ sprung floor)::	
M1 Projection device on cart	Div. 27
M2 Printer	
M3 5 computers – student use	
M4 Computer – teacher use	
Sound system w/ speakers	
Audio enhancement equipment	
Communications[2,3]:	Div. 27
T1 Video port, monitor, VCR, and brackets	
T2 Voice port and phone	
T3 5 data ports (minimum) for student use	
T4 Data port for teacher use	
T5 Cable/MATV port	
T6 Data port for printer	
Overhead LCD proj.	

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Marker board (24 LF)	101100
F2 Tack board (16 LF minimum)	101100
F3 Manual projection screen	115213
F4 Casework:	
Tall cabinets	123200
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical[2]:	Div. 26
3 Duplex receptacles per wall	
TVSS protected quad receptacle adjacent to each data and video ports	
Multi-level switching	
Fluorescent lighting:	
Illumination level: See table 7600-16	
Clock	
Central sound system	
Auditorium 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. Design Professional and/or theatre/acoustical consultant shall confirm with each school for additional finishes/features and performance criteria.
3. Refer to the Educational Specifications - Technology, Section 1240.

BLACK BOX STUDIO



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

ANCILLARY SPACES:
- Costume, prop, set storage
- Theater classrooms

GOAL:
- To provide space for student instruction and rehearsal

PROGRAM ACTIVITIES:
- Small and large group instruction
- Rehearsal
- Performances

SPATIAL RELATIONSHIPS:
- Locate adjacent to other Performance Support Areas

ENVIRONMENTAL CONSIDERATIONS:
- Environmental sound control
  - Wall minimum: STC 56
  - Roof minimum: STC 40

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.

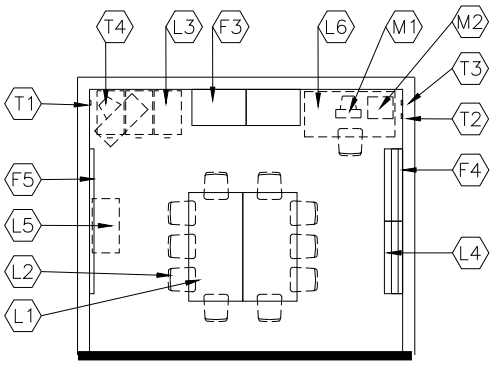
BLACK BOX STUDIO

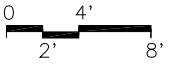
Finishes[1]:	Spec. Ref.#
Flooring:	
Poured/painted cement	
Base:	
Ventilated resilient base	096466
Ceiling:	
Painted exposed structure (19')	099123
Walls:	
Painted concrete masonry units	042000 / 099123
Loose Furnishings (Not Shown):	
Upright piano	
Mobile folding seating (50)	
Folding chairs (20)	
Folding tables (3)	
Miscellaneous:	
M1 Hand held and lavaliere microphones	
Communications[3]:	Div. 27
T1 5 data ports	
T2 Voice port and telephone	
T3 Cable/MATV port	
T4 Video port, monitor, VCR, And bracket	
T5 Microphone port	
T6 Jacks for sound system	

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Curtains on three walls	
F3 Motorized projection screen	116143
Counter in sound and light booth	
Fire Suppression:	Div. 21
Fire suppression system	
HVAC:	Div. 23
Quiet supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Duplex receptacles every 12" on walls	
TVSS protected quad receptacle adjacent to each data and video port	
Multi-level 'house lights'	
General purpose lighting	
Illumination level: See table 7600-16	
Adjustable track lighting for front/back/center 'stage' theatrical lighting; Light dimming system to sound booth	
Clock	
Sound system to sound booth	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

NOTES:
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Provide hardwood on fore stage and extend into stage at width of proscenium by 10'-20' deep.
3. Refer to Educational Specifications -Technology, Section 1240.

PRODUCTION ROOM **H-AC-4**





CAPACITY:
- 6 persons

ANCILLARY SPACES:
- Theatre

GOALS:
- To provide a space for student collaboration on various productions

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

SPATIAL RELATIONSHIPS:
- Locate centrally for good visual supervision
- Access from 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

NOTES:

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

PRODUCTION ROOM

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

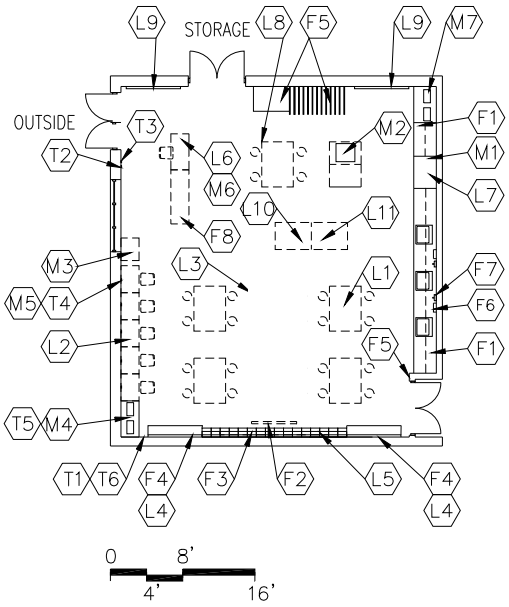
Communications[2]: Div. 27
- T1 1 voice port and telephone
- T2 3 data ports for student use
- T3 1 video port
- T4 1 cable/MATV port
- T5 Video port, monitor, VCR, and brackets

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

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

Visual Arts

Space	Suggestions			Comments
	Qty.	S.F.	Total	
2D/3 D Studio	1	1,400	1,400	w/ kiln and storage
Printmaking Studio	1	1,000	1,000	
- storage		150	150	
2D Studios	2	1,000	2,000	
- storage	2	150	300	
Digital Arts/Photography Studio	2	1,800	1,800	
Classroom	1	800	800	Special Projects/Art History
Office	2	220	220	
Total			**7,670**	



CAPACITY:
- 21 students
- 1 teacher

SIZE:
- 1000 SF

ANCILLARY SPACES:
- Storage (H-VA-4)
- Special Project/Small Group Room (H-VA-5)

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

PROGRAM ACTIVITIES:
- Drawing
- Painting
- Viewing of slides/DVDs/CD-Roms
- Reading, writing, and research using technology
- Matting and framing
- Print making
- Portfolio preparation
- Cooperative group work

SPATIAL RELATIONSHIPS:
- Large double doors leading to outside
- Near Arts Office Suite
- Adjacent and access to Storage
- Display space in adjacent corridor

ENVIRONMENTAL CONSIDERATIONS:
- Adjustable full-spectrum lighting
- Uniform 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

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 or dry wall	042000 / 099123
Tackable wall surface	101100

Loose Furnishings:

L1	4-6 worktables	
L3	12-20 stools	
L4	Adjustable height bookshelves (24 LF)	
L5	Project storage lockers (10" x 15" x 20")	
L6	Teacher desk and chair	
L9	See staff for printmaking equipment installation	
	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 (12-24 LF)	101100
F5	Casework:	123200
	Paper storage	
	Vertical files (30" x 40" work)	
F6	Towel dispenser	102800
F7	Soap dispenser	102800

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

Plumbing:

Plumbing connections	
Large, deep sink	

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

Electrical: Div. 26

Fluorescent lighting	
Illumination level: See table 7600-16	
Movable track lighting	
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 ports	
Central sound system	
Clock	

Communications[2]: Div. 27

T1	1 video port
T2	1 voice port and phone
T3	1 data port near teacher workstation
T6	Cable/MATV port
	Video projector
Overhead LCD Projector	

Electronic Safety and Security: Div. 28

Life safety devices per code

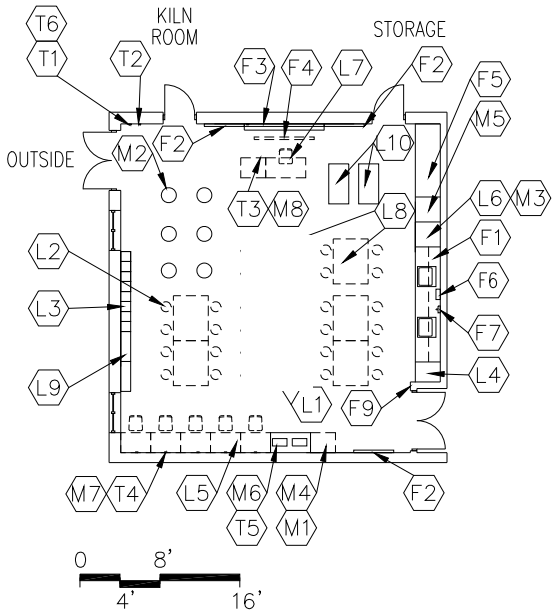
Miscellaneous:

M6	1 computer for teacher use
	Drawing boards, art easels
	Mat cutter, paper cutter
M7	Countertop exhaust hood
Audio enhancement equipment	

NOTES:

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

3-D STUDIO **H-VA-2**



CAPACITY:
- 21 students
- 1 teacher

SIZE:
- 1,200 SF

ANCILLARY SPACES:
- Kiln Room (H-VA-3)
- Storage (H-VA-4)

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

PROGRAM ACTIVITIES:
- Sculpture
- Ceramics
- 3-D construction
- Metal working
- Fiber
- Architectural modeling
- Creation of interactive displays

SPATIAL RELATIONSHIPS:
- Near 2-D Studio
- Adjacent and access to Kiln Room
- Large double doors leading to the outside
- Adjacent and access to Storage
- Near Arts Office Suite

ENVIRONMENTAL CONSIDERATIONS:
- Adjustable full-spectrum lighting
- Windows to provide natural light and egress
- 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
- Electrical outlets for equipment
- Window treatment to darken room for AV presentations
- Acid/heat resistant counter tops
- Quiet HVAC system

NOTES:

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

3-D STUDIO

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 or dry wall	042000 / 099123
Tackable wall surface	101100

Loose Furnishings:
- L1 4-6 work tables
- L2 12-20 stools
- L3 Project storage lockers (10" x 15" x 20")
- L4 Damp box (ceramics)
- L7 Teacher desk and chair
- L9 Adjustable height bookshelves (24 LF)
- L10 Mobile storage
  - Large trash bins with lids
  - Recycling bins

Features[1]:

Fixed Equipment:

F1	Casework	
	Base/wall cabinets and shelving	123200
F2	Tack board (12 LF)	101100
F3	Marker board/Chalk board (12 LF)	101100
F4	Manual projection screen	115213
F5	Casework:	123200
	Clay bin storage	
F6	Towel dispenser	102800
F7	Soap dispenser	102800

Communications[2]: Div. 27
- T1 1 video port
- T2 1 voice port and phone
- T3 1 data port near teacher workstation
- T6 Cable/MATV port
- Video projector

Features[1]:	Spec. Ref.#
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Large sinks with solids interceptor	
Plumbing connections	
Floor drains with sediment traps	
Compressed air	
Natural gas connections (optional)	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Manually controlled general exhaust	
Dust control	

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 port
- Central sound system
- Clock

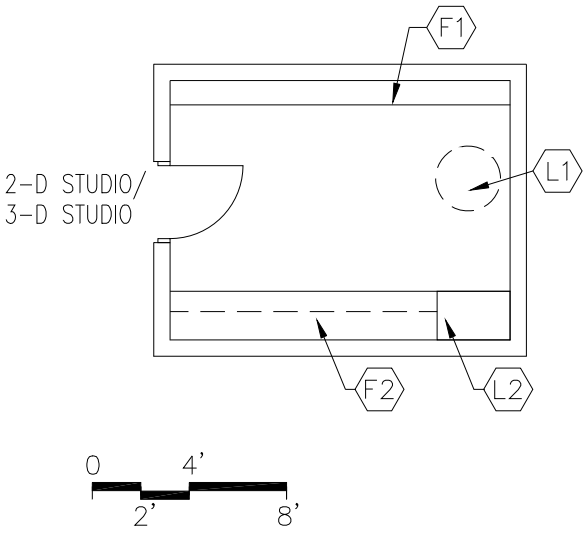
Electronic Safety and Security: Div. 28
- Life safety devices per code

Miscellaneous:
- M1 Projection device on cart — Div. 27
- M3 Compressor for airbrush and spray Painting (optional)
- M4 TV/VCR on cart — Div. 27
- M5 Metal cabinet for flammables
- M8 1 computer for teacher use

Audio enhancement equipment

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

KILN ROOM **H-VA-3**



GOAL:
- To provide a space to fire and store completed clay work and clay bins

PROGRAM ACTIVITIES:
- Firing the kiln
- Storing ceramics work

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

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation/exhaust
- Electrical outlets for equipment
- Safety is a major concern

CAPACITY:
- Up to 4 persons

SIZE:
- Varies, see table

ANCILLARY SPACES:
- 3-D Studio (H-VA-1)

NOTES:

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

KILN ROOM **H-VA-3**

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

Loose Furnishings:
L1 Kiln
L2 Greenware shelving

Features[1]:	
Fixed Equipment:	
F1 Storage shelving (12" deep)	105613
F2 Casework	123200
Base/wall cabinets and shelving	

	Spec. Ref.#
Fire Suppression:	
Fire suppression system	211000

HVAC: Div. 23
Temperature controlled exhaust
Ventilation for kiln
Hooded exhaust for glazing

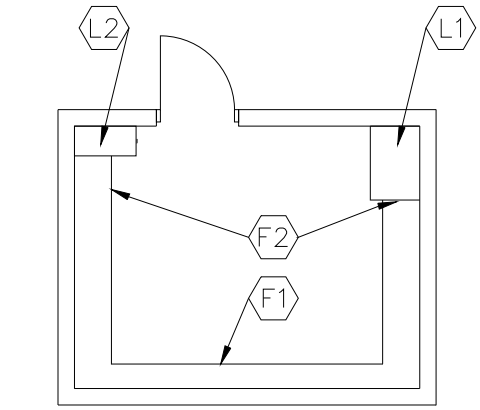
Electrical: Div. 26
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Duplex receptacles
Central sound system

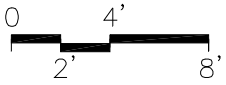
Communications:
N/A

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

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

STORAGE **H-VA-4**





CAPACITY:
- Teachers
- Students

SIZE:
- 150 SF

ANCILLARY SPACES:
- 2-D Studio (H-VA-1)
- 3-D Studio (H-VA-2)

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

NOTES:

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

STORAGE

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

Loose Furnishings:
L1 Greenware Shelving
L2 Four-drawer file cabinet (legal)

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Storage shelving (12" deep)	105613
F2	Storage shelving (18" deep)	105613

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

Communications:
N/A

Electronic Safety and Security:
N/A

Miscellaneous:
N/A

NOTES:

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

GRAPHICS/PHOTOGRAPHY STUDIO **H-AC-3**

See staff for layout

CAPACITY:
- 18-34 students
- Staff member

GOALS:
- To provide students with the technology and space for computer and photographic art

PROGRAM ACTIVITIES:
- Large and small group instruction/Oral presentation
- Hands-on activities
- Team teaching
- Computerized instruction

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting with an appropriate visual comfort probability level
- 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
- Proportion classroom for effective viewing and listening from all areas or the classroom

NOTES:
1. Loose furnishings and features represent one of many possible arrangements. Confirm with the District of Columbia Public Schools' technology education specialist for specific curriculum and equipment requirements.

GRAPHICS LAB

Finishes[1]:	Spec. Ref.#
Flooring:	
Quartz tile	096618
Base:	
Resilient base	096519
Ceiling: (9' high minimum)	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123

Loose Furnishings:

L1	18-22 student chairs	
L2	18-22 computer workstations	
L3	Scanner table	
L4	Adjustable height bookshelves (24 LF)	
L5	2, four-drawer file cabinet	
L6	Printer table	
L7	Multimedia cart for teacher use	
L8	Teacher chair and desk	
L9	Work tables	
	Wastebasket	

Miscellaneous:

M1	Ceiling mounted projector (LCD)	Div. 27
M2	Printer/plotter	
M3	18-22 computers for student use	
M4	Computer for teacher use	
M5	Scanner	
Audio enhancement equipment		

Communications[2]:		Div. 27
T1	Video ports, monitors, VCR's, and brackets	274133
T2	Voice port and phone	275116
T3	24 data ports	271600
T4	Data port near teacher workstation	275116
T5	Data port for printer	275116
T6	Cable/MATV port	275116
T7	Data port for scanner	275116

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Tall cabinets	123200
F2 White board (12 LF)	101100
F3 Tack board (32 LF)	101100
F4 Projection screen	115213

Fire Suppression:	Div. 21
Fire suppression system	

Plumbing:
N/A

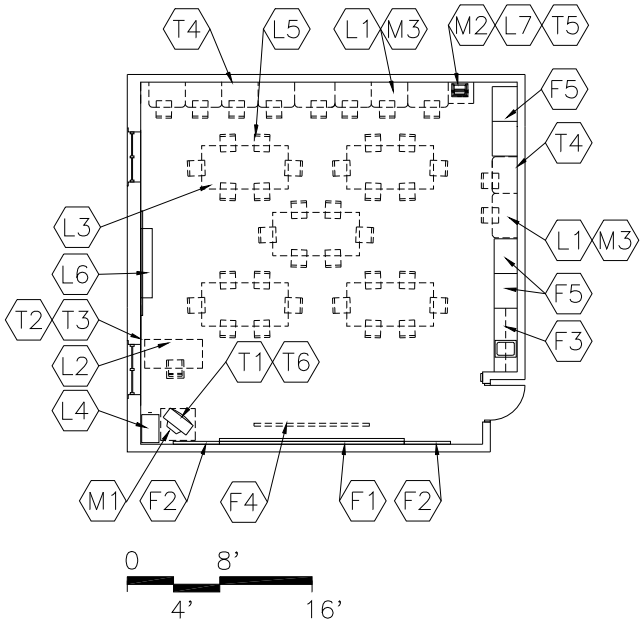
HVAC:	Div. 23
Supply/return air system	
Independent temperature controls	

Electrical:	Div. 26
Duplex receptacles	
3 per primary teaching wall	
2 per other walls	
TVSS protected quad receptacle adjacent to data and video ports	
Multilevel switching	
Fluorescent lighting with parabolic lenses	
Illumination level: See Table 7600-16	
Clock	
Central sound system	
Projection Screen	
Ceiling mounted projector with electronic white board (or alternative)	

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

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

CLASSROOM/PROJECT LAB **H-AC-2**



CAPACITY:
- Up to 40 students
- 1 staff member
- Guest speakers

GOAL:
- To provide flexible space as a resource area for Art History, special activities, guests

PROGRAM ACTIVITIES:
- Large group and small group instruction
- Hands-on activities
- Computerized instruction
- Team teaching
- Oral presentation and plays

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 presentation

NOTES:

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

PROJECT LAB
H-AC-2

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 5 computer workstations
- L2 Teacher desk and chair
- L3 4-5 rectangular tables
- L4 1, 4-drawer file cabinet
- L5 30 chairs
- L6 Adjustable height bookshelves (24 LF)
- L7 Printer table
- Wastebasket

Features[1]:	Spec. R
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 cabinets	123200

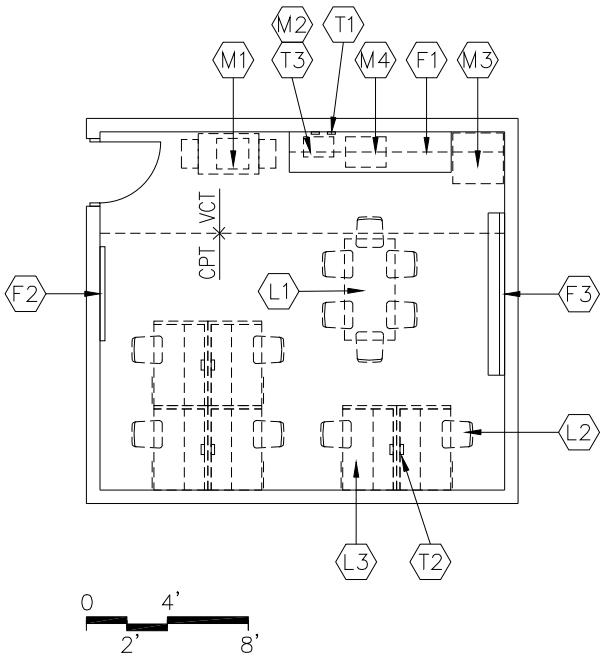
	Spec. Ref.#
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Single, deep sink	
Plumbing connections	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Fluorescent lighting	
Illumination level: See table 7600-16	
Multilevel switching	
Duplex receptacles	
3 per wall	
TVSS protected quad receptacle adjacent to data and video ports	
Central sound system	
Clock	
Communications[2]:	Div. 27
T1 1 video port, monitor, VCR, and brackets	
T2 1 voice port and phone	
T3 1 data port near teacher workstation	
T4 5 data ports for student use	
T5 1 data port for printer	
T6 1 cable/MATV port	
Electronic white board	
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 5 computers for student use	
Audio enhancement equipment	

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

OFFICE WORKROOM



CAPACITY:
- 6-10 teachers

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
- Enter and access data
- Prepare lessons using computer, video, and other resources
- Contact community resources via telephone and e-mail
- Eating lunch

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

NOTES:

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

WORKROOM

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 and 6 chairs
- L2 4-6 chairs
- L3 4-6 office workstations
  Wastebasket

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Base/wall cabinets	123200
F2 Tack board (4 LF)	101100
F3 Marker board (8 LF)	101100

Fire Suppression: Div. 21
- Fire suppression system

Plumbing: Div. 22
- Plumbing connections
  - Sink
  - Hookup for refrigerator ice maker

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

Electrical: Div. 26
- Duplex receptacles
- TVSS protected quad receptacle adjacent to each data port
- 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 each workstations
- T3 Data port for printer

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

Miscellaneous:
- M1 Copier
- M2 Printer
- M3 Refrigerator with ice maker
- M4 Microwave

NOTES:

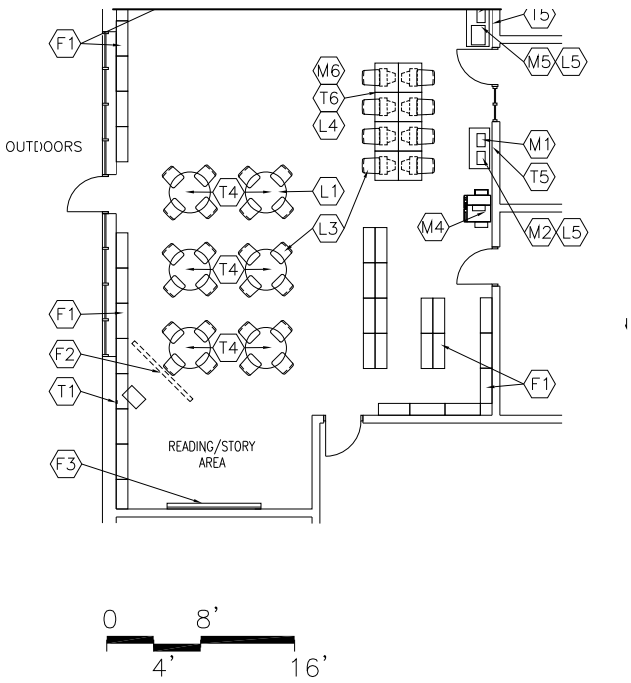
3. Finishes/Features: Refer to Chapter 8 for specification references.
4. Refer to the Educational Specifications — Technology, Section 1240.

Media Center /Cyber Cafe

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Reading Room	1	1450	1450	
Office	1	150	150	IT Coord.
Equipment Storage	1	300	300	COWs
Total			**1,900**	

Ellington does not have a media specialist. The reading room is used during lunch time and for small groups. Transparency to the corridor may increase flexibility. Consult with staff about book stack need.

READING ROOM



CAPACITY:
- 40 students
- 2 teachers
- Community patrons after school hours

ANCILLARY SPACES:
- Office (E-MC-4)
- Telecom Head End Room (E-MC-5)
- Workroom/Storage (E-MC-6)

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

PROGRAM ACTIVITIES:
- Reading
- Small group instruction
- Provide meeting areas for community, staff, and parents
- Research

ENVIRONMENTAL CONSIDERATIONS:
- Recessed floor (data and duplex) outlets in floor at tables
- Adequate ventilation
- Lighting appropriate to task with switches to dim separate zones of Media Center
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets at entrance for future security system
- Electrical outlets at all column locations
- Ceiling height in proportion to room dimensions
- Electrical outlets in toe space of wall shelving
- Window treatment to darken room for AV presentation

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

READING ROOM

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

Loose Furnishings:
- L1 6 four-person tables
- L3 32 chairs
- L4 8 seated reference stations
  Soft seating for 8 students

Miscellaneous:
- M4 Photocopy machine
- M6 8 computers for student use

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Library casework	
F2 Motorized projection screen	115213
F3 Marker board (8 LF)	101100
F4 Display cases	123559

Fire Suppression: Div. 21
- Fire suppression system

Plumbing:
- N/A

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

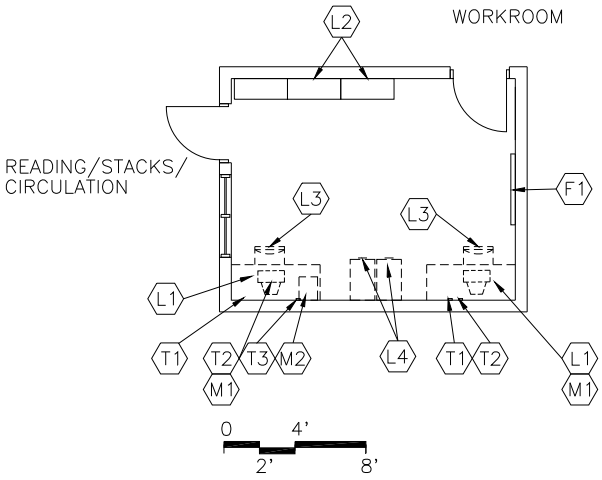
Electrical: Div. 26
- Duplex receptacles
- TVSS protected quad receptacle adjacent to each data and video port
- Single-level switching
- Fluorescent lighting
  Illumination level: See Table 7600-16
- Means of egress lighting per code
- Central sound system
- Floor boxes (electrical/data) throughout reading room for flexible loose furnishings layout

Communications[2]: Div. 27
- T1 2 video port, monitor, VCR/DVD, and brackets
- T2 Voice port and phone
- T4 8 data ports for student use
  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.

OFFICE **H-MC-4**



CAPACITY:
- IT Coordinator

GOAL:
- To provide a private work area for the IT Coordinator

PROGRAM ACTIVITIES:
- Administrative work
- Processing and repairing computers

SPATIAL RELATIONSHIPS:
- Adjacent and access to Reading Room
- Adjacent and access to storage

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

NOTES:

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

OFFICE

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 chair
L4 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

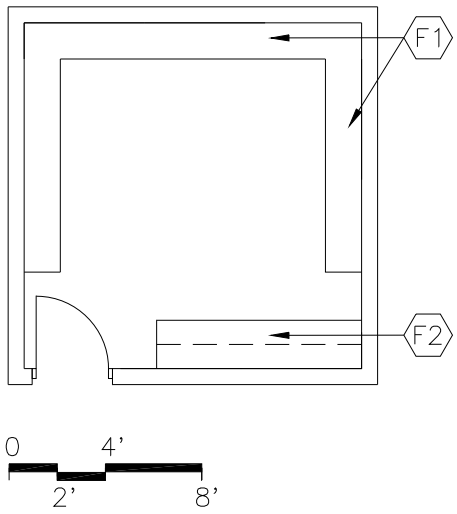
Electronic Safety and Security: Div. 28
Life safety devices per code

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.

EQUIPMENT STORAGE **H-MC-8**



PROGRAM ACTIVITY:
- Storage of equipment and materials

SPATIAL RELATIONSHIP:
- Adjacent and access to Workroom

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

NOTES:

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

EQUIPMENT STORAGE

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:	123200
Base cabinets	
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	

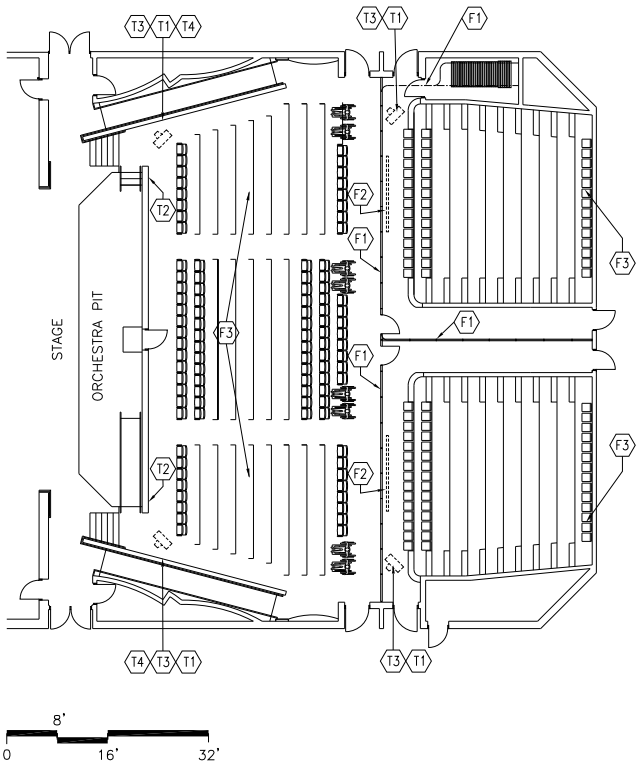
NOTES:

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

Theatre and Technical Design Program

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Theatre (850 seats)	1	10 per person	7,500	Or 'as is'
Stage (inc. wing)	1	2,400	2,400	Or 'as is' Full fly space to catwalk
Orchestra Pit	1	800	800	
Foyer/Lobby	1	800	800	
Box Office	1	175	175	Or 'as is'
Sound and Light Control Room	1	225	225	Or 'as is' combined space
Make-up/Dressing Room	4	varies	1,600	See staff for sizes
Showers/toilets	4	varies	500	See staff for sizes
General Storage/green room	1	varies	2,000	Or 'as is'/ note: mez. Storage
Chair/Piano Storage	1	800	800	Part of back stage
Sub total			**16,800**	
Technical Design and Production				
Classroom	1	800	800	See regular classroom
Scene Shop/storage	1	1,800	1,800	Or 'as is'
Costume shop/storage	2	TBD	1,600	
Total			**4,200**	

THEATRE SEATING



CAPACITY:
- Students
- Teachers
- Community

SIZE:
- As is or up to 850 seats

ANCILLARY SPACES:
- Stage (H-PA-2)
- Ticket Booth/Box Office (H-PA-3)
- Sound and Light Control (H-PA-4)
- Orchestra Pit (H-PA-30)

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
- Locate adjacent to other performing arts spaces
- Integrated with Visual Arts and Scene Shop
- 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

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.

THEATRE SEATING

Finishes[1]:	Spec. Ref.#
Flooring:	
Seating: Fritz tile:	096519
Aisles: Carpet	096816
Base:	
Resilient base	096519
Ceiling:	
Painted exposed structure	099123
Acoustical reflector panels	116143
Painted gypsum wallboard	092116 / 099123
Acoustical metal deck above reflectors	
Walls:	
Face brick	042000
Ground face concrete Masonry units	042000
Painted gypsum wallboard (above 10'-0")	092116 / 099123
Acoustical wall treatment	098400

Communications[2]:	Div. 27
T1	4 video ports, monitors, VCR, and brackets
T2	2 data ports
T3	Connection for satellite and distance learning
T4	4 Cable/MATV ports
	Computerized lighting controls
	Built-in headset

Features:	Spec. Ref.#
F2 Motorized projection screen	116143
F3 Fixed audience seating with table arms for 250 seats	126100

Fire Suppression:	Div. 21
Fire suppression system	

Plumbing: N/A

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

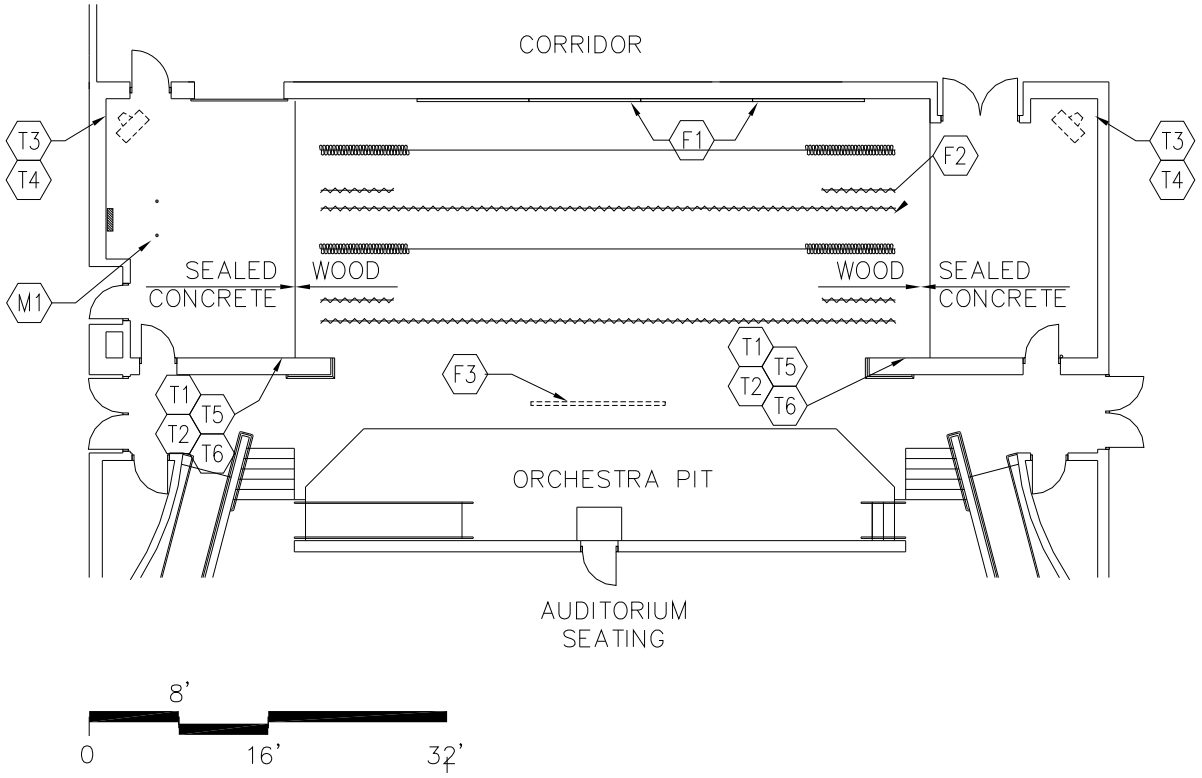
Electrical:	Div. 26
Duplex receptacles	
TVSS protected quad receptacle adjacent to each data port	
Feature lighting	
Stage dimming system (see staff)	
House lighting	
Illumination levels: See table 7600-16	
Clock	
Auditorium sound system (see staff)	
Sound connections in seating section	

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.

STAGE **H-PA-2**



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

ANCILLARY SPACES:
- Scene Shop (H-PA-6)
- Costume/Prop room (H-PA-7)
- Make Up/Dressing Room (H-PA-9)

GOAL:
- To provide space for student performances

PROGRAM ACTIVITIES:
- Theatrical/musical performances
- Student assemblies and award programs
- In service conferences
- 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 40
- 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.

STAGE

Finishes[1]:	Spec. Ref.#
Flooring:	
Wood strip flooring for athletic[2] applications	096466
Base:	
Ventilated resilient base	096466
Ceiling:	
Painted exposed structure	099123
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings (Not Shown):
- Upright piano
- Mobile folding risers
- Podium
- Orchestra shell (optional)

Miscellaneous:
- M1 Hand held and lavaliere microphones

Communications[3]: Div. 27
- T1 3 data ports on stage one in center of stage apron
- T2 Voice port and telephone
- T3 Cable/MATV port
- T4 Video port, monitor, VCR, And bracket
- T5 Microphone port
- T6 Jacks for sound system in apron at front of stage

Features:	Spec. Ref.#
Fixed Equipment:	
F2 Theater and stage equipment	115213
F3 Motorized projection screen	116143

Fire Suppression: Div. 21
- Fire suppression system

Plumbing:
- N/A

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

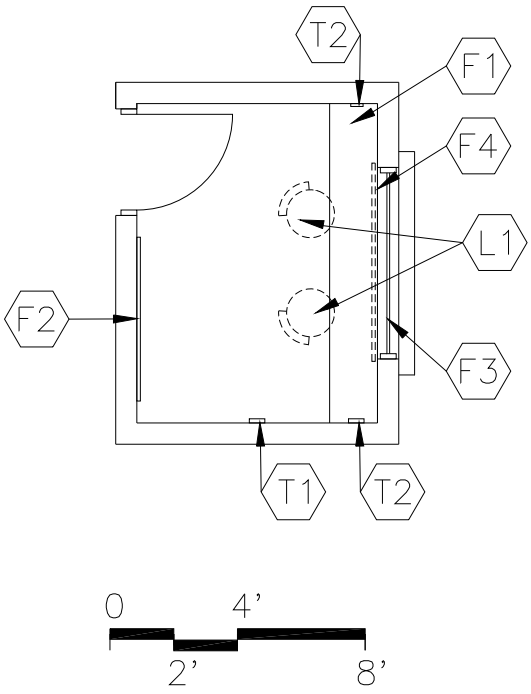
Electrical: Div. 26
- Duplex receptacles
- 12” o.c. on back and wing walls
- 3 duplex outlets in apron at front of stage
- TVSS protected quad receptacle adjacent to each data and video port
- Single level switching
- General purpose lighting
- Illumination level: See table 7600-16
- Stage dimming system
- Adjustable track lighting for front/back/center stage theatrical lighting
- Clock
- Auditorium 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. Provide hardwood on fore stage and extend into stage at width of proscenium by 10’-20’ deep.
3. Refer to Educational Specifications -Technology, Section 1240.

TICKET BOOTH / BOX OFFICE **H-PA-3**



CAPACITY:
- Ticket Sellers

SIZE:
- 175 SF

GOAL:
- To provide a space for ticket sales

PROGRAM ACTIVITY:
- Selling tickets

SPATIAL RELATIONSHIPS:
- Near main entrance
- Located in Lobby adjacent to Theatre

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Adequate ventilation
- Electrical outlets for equipment
- Audio drop connecting control room and stage

NOTES:

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

TICKET BOOTH / BOX OFFICE H-PA-3

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 2 stools
Wastebasket

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Sales counter with cash drawer	064123
F2 Marker board (6 LF)	101100
F3 Sales window	081113 / 088000
F4 Coiling door	083300

Fire Suppression: Div. 21
Fire suppression system

Plumbing:
N/A

HVAC: Div. 23
Supply/return air system
Temperature control
with reception area

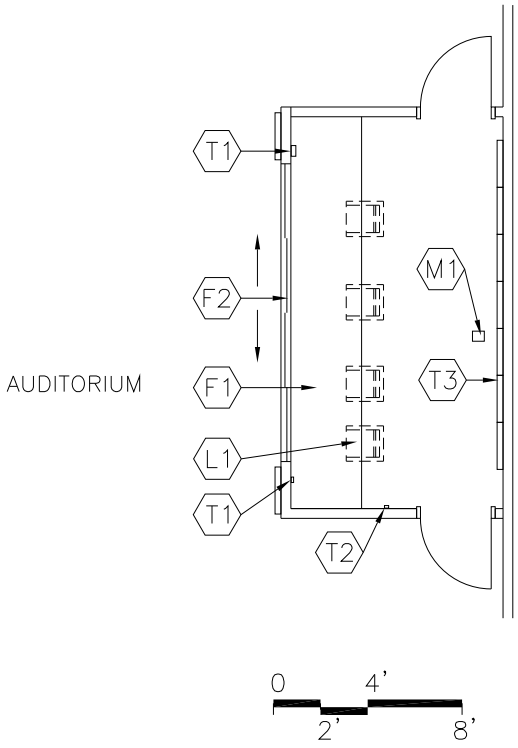
Electrical: Div. 26
Duplex receptacles
TVSS protected quad receptacle
adjacent to each data port
Single-level switching
Fluorescent lighting
Illumination level: See Table 7600-16
Central sound system

Communications[2]: Div. 27
T1 Voice port and phone
T2 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. Refer to the Educational Specifications - Technology, Section 1240.

SOUND AND LIGHT CONTROL H-PA-4



CAPACITY:
- 3 - 5 Students
- Teacher

ANCILLARY SPACES:
- Theatre

Note: Sound from stage should be run to green room, costume shop, make-up rooms

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 40
- Sound proof HVAC system
- Consider sound transfer into Auditorium during performances
- Handicapped accessible

NOTES:

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

SOUND AND LIGHT CONTROL

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

Loose Furnishings:
L1 4 chairs
Wastebasket

Features:	Spec. Ref.#
Fixed Equipment:	
F1 36" deep plastic laminate counter top	064123
F2 Sliding glass windows	081113 / 088000

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
Feature lighting
Stage dimming system
Clock
Auditorium sound system

Communications[2]: Div. 27
T1 2 data ports
T2 Voice port and phone
T3 Video port
T4 Intercom/headset hook-up (audio/visual)

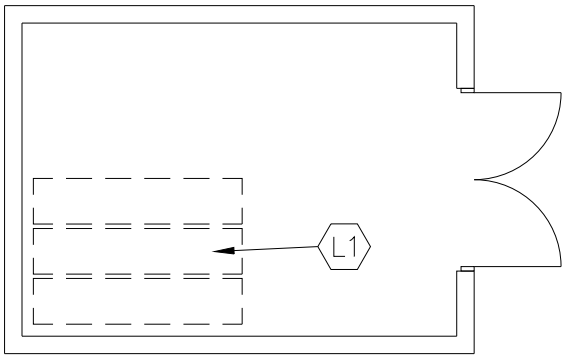
Electronic Safety and Security: Div. 28
Life safety devices per code

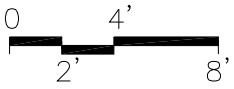
Miscellaneous:
M1 Camcorder with tripod

NOTES:

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

CHAIR / PIANO STORAGE **H-PA-5**





CAPACITY:
N/A

SIZE:
- 800 SF

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

NOTES:

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

CHAIR / PIANO STORAGE

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

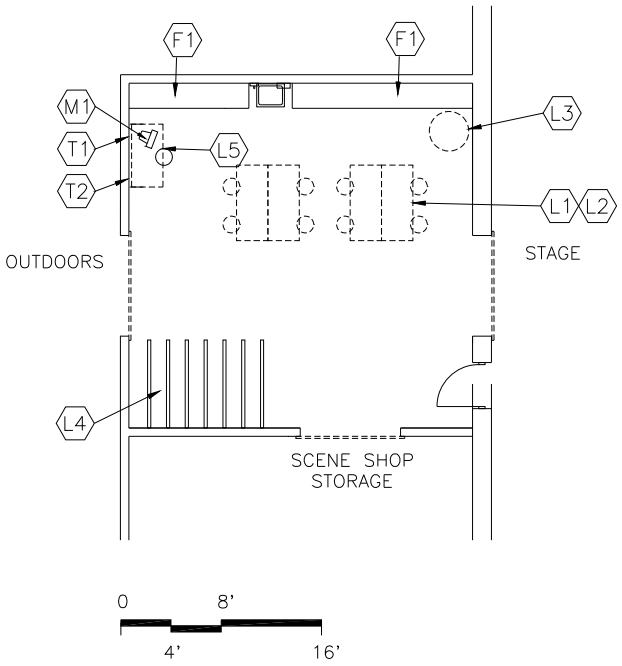
Loose Furnishings:
L1 3 chair dollies

Features:	Spec. Re
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:	Div. 28
Life safety devices per code	
Miscellaneous:	
N/A	

NOTES:

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

SCENE SHOP **H-PA-6**



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

PROGRAM ACTIVITIES:
- Painting
- Cutting wood
- Hammering nails
- Storage
- Moving various props

SPATIAL RELATIONSHIPS:
- Adjacent and access to Stage
- Adjacent and access to Scene Shop Storage
- Outside access

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  - Wall minimum: STC 45
  - Ceiling minimum: CAC 35
- Adequate ventilation
- Minimum 20' clear ceiling height
- Doors should be 15' clear height and 10' wide to allow for moving flats to stage
- Provide rigging to support at least 3 sets
- Electrical outlets for equipment
- Open floor space to allow for construction

CAPACITY:
- Up to 15 students
- Theatre Teacher

ANCILLARY SPACES:
- Stage (H-PA-2)
- Scene Shop Storage (H-PA-8)

NOTES:

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

SCENE SHOP **H-PA-6**

Finishes[1]:	Spec. Ref.#
Flooring:	
Sealed concrete	033000
Base:	
Resilient base	096519
Ceiling:	
Painted exposed structure	099123
Walls:	
Painted concrete masonry units	042000 / 099123

Loose Furnishings:
- L1 Work tables
- L2 Stools
- L3 Large mobile trash can with lids
- L4 Storage racks for flats
- L5 Power tools
  Tool storage

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Tall cabinets & shelving	123200
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Service sink with solids interceptor	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Manual exhaust	
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	
Emergency shut-off	
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	

NOTES:

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

COSTUME ROOM **H-PA-7**

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

PROGRAM ACTIVITY:
- Storage for costumes
- Sewing costumes
- Teaching costume construction/design

SPATIAL RELATIONSHIPS:
- Adjacent to Make Up/Dressing Room
- Work area and storage area adjacent

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

CAPACITY:
- Up to 15 Students
- Staff

ANCILLARY SPACE:
- Make Up/Dressing Room (H-PA-9)

NOTES:

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

COSTUME ROOM

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 Clothes rack (quantity as required)
6 Sewing stations (see Staff)
3 Layout tables
6 Stools
Wastebasket

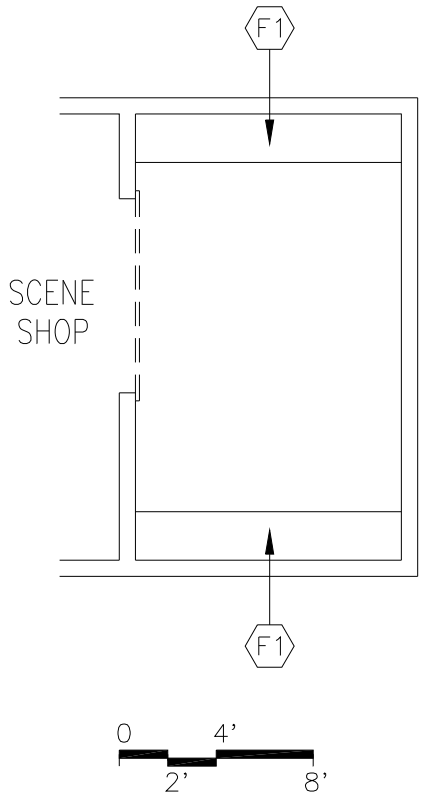
Features:	Spec. Ref.#
Fixed Equipment:	
F1 Mirror	088000
F2 Pegboard (8 LF)	101100
F3 Casework:	
Tall cabinets and shelving	123200
Whiteboard	
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
Deep well Sink	
HVAC:	Div. 23
Supply/return air system	
Electrical:	Div. 26
Duplex receptacles	
Fluorescent lighting:	
Illumination level: See Table 7600-16	
Fire alarm devices per code	
Clock	
Central sound system	
Communications[2]:	Div. 27
T1 Voice port and phone	
Speakers – see sound booth	
Electronic Safety and Security:	Div. 28
Life safety devices per code	

Miscellaneous:
M1 Sewing machine
M2 Ironing board

NOTES:

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

SCENE SHOP STORAGE



GOAL:
- To provide adequate storage for scene shop materials

PROGRAM ACTIVITY:
- Storage

SPATIAL RELATIONSHIP:
- Adjacent and access to Scene Shop

ENVIRONMENTAL CONSIDERATION:
- Uniform lighting
- Overhead door

CAPACITY:
N/A

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Scene Shop (H-PA-6)

NOTES:

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

SCENE SHOP STORAGE

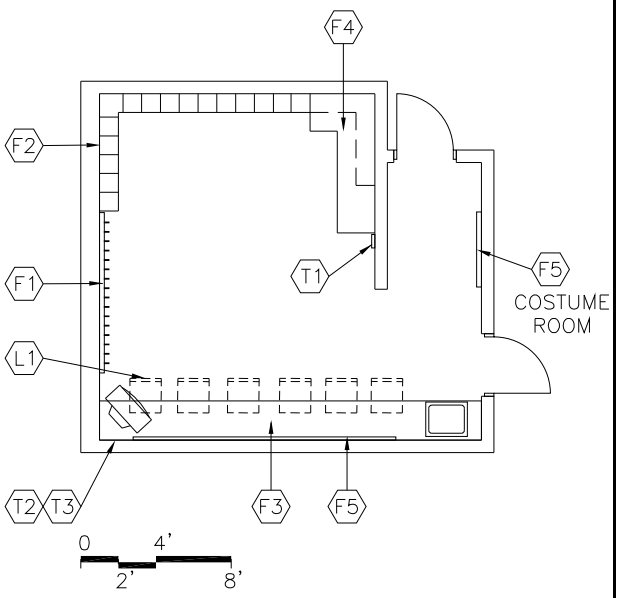
Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient tile flooring	096519
Base:	
Resilient base	096519
Ceiling:	
Painted exposed structure	099123
Walls:	
Painted concrete masonry units	042000 / 099123
Loose Furnishings:	
N/A	

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Storage shelving (36” deep)	105613
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
N/A	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Manual exhaust	
Electrical:	Div. 26
Duplex receptacles	
Single-level switching	
Fluorescent lighting:	
Illumination level: see table 7600-16	
Clock	
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.

MAKE UP / DRESSING ROOM (2 small/2 larger) H-PA-9



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

CAPACITY:
- 10-15 students

ANCILLARY SPACES:
- Costume / Prop Room (H-PA-7)

NOTES:

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

MAKE UP / DRESSING ROOM

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 Chairs
Wastebasket

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

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Clothing hooks	062023
F2 Lockers	105113
F3 Counter top (make-up stations)	123200
F4 Casework:	
Base/wall cabinets	123200
F5 Mirrors	088000

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
Duplex receptacle at each makeup station under mirror
Multilevel switching
Fluorescent lighting: Overhead
Incandescent lighting:
Over makeup mirrors
Illumination level: See Table 7600-16
Clock
2-way intercom to stage
Central sound system
Auditorium sound system

Communications[2]: Div. 27
T1 Voice port and phone
T2 Video port, monitor, VCR, and brackets (for monitoring stage)
T3 1 cable/MATV port
Speakers – see sound booth

NOTES:

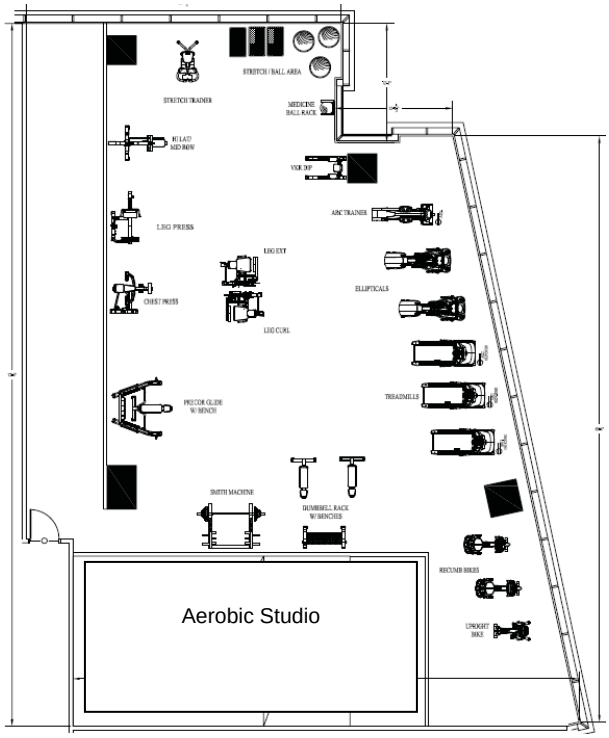
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications - Technology, Section 1240.

Physical Education

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Fitness center	1	2,000	2,000	
Multi-purpose aerobics studio	1	1,000	1,000	Visual control from fitness area
Health classroom/anatomy and physiology Lab	1	1200	1,200	
Locker Room/Showers	2	600	1,200	
Dept. Office	1	200	200	
Storage	2	Varies	400	
Laundry	1	150	150	
Total			**6,150**	

Adjacencies: Complete redesign of current gymnasium as a lifetime fitness center with weights/aerobic fitness room and a multi-purpose dance studio with large screen training video capability. Design health lab as an anatomy and physiology lab.

FITNESS ROOM **H-PE-4**



CAPACITY:
- Up to 24 persons

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:
- 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

NOTES:

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

FITNESS ROOM

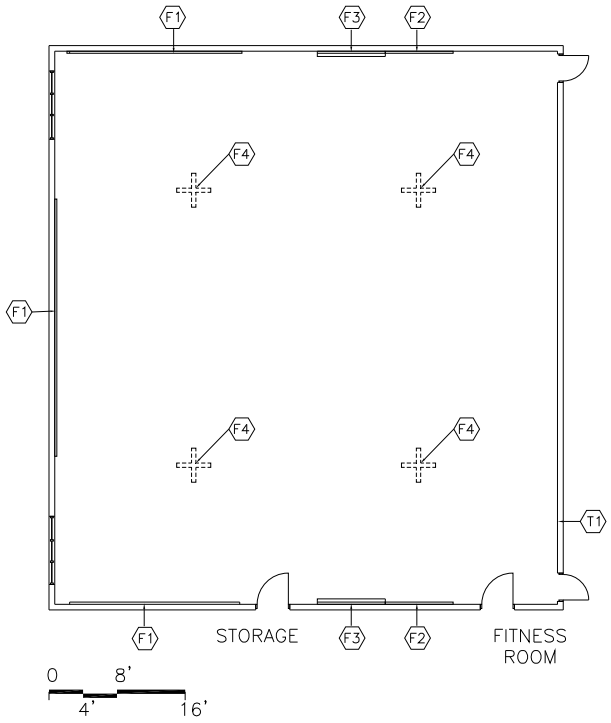
Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient athletic flooring	096566
Base:	
Resilient base	096519
Ceiling:	
Painted exposed structure	099123
Walls:	
Painted concrete masonry units	042000 / 099123
Loose Furnishings:	
Mats	
Exercise balls	

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Mirrors	088000
F2 Tack board (8 LF)	101100
F3 Marker board (8 LF)	101100
Ceiling fans	
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	
Water fountain	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Duplex receptacles	
Multilevel switching	
High intensity discharge lighting:	
Illumination level: See Table 7600-16	
Clock	
Central sound system	
Communications[2]:	Div. 27
T1 Voice port and phone	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
M1 Exercise equipment	
M2 Bikes	
M3 Tread mills	
M4 Stair machines	

NOTES:

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

DANCE / AEROBICS **H-PE-5**



CAPACITY:
- 20-30 Students
- Teachers and staff
- Community

ANCILLARY SPACES:
- Fitness Room (H-PE-4)

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

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Flexibility of space
- Adequate ventilation and ceiling fans
- Electrical outlets for equipment
- Must be able to isolate from the rest of the school after hours
- Drinking fountain in adjacent corridor
- Windows to provide natural light

NOTES:

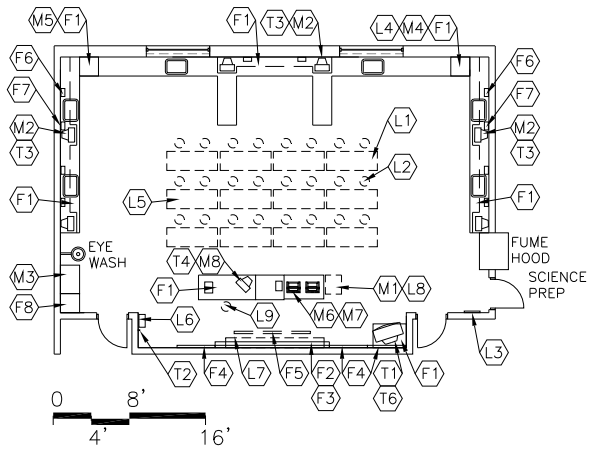
1. Loose furnishings and features shown represent one of many possible arrangements.

DANCE / AEROBICS

Finishes[1]:	Spec. Ref.#
Flooring:	
Resilient athletic flooring	096566
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted exposed structure	099123
Loose Furnishings:	
Mats	

Features:	Spec. Ref.#
Fixed Equipment:	
F1 Mirrors	088000
F2 Tack board (16 LF)	101100
F3 Marker board (16 LF)	101100
F4 Ceiling fans	
Manual projection screen	
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	
Multilevel switching	
High intensity discharge lighting:	
Illumination level: See Table 7600-16	
Clock	
Central sound system	
Communications[2]:	Div. 27
T1 Voice port and phone	
Ceiling mounted LCD projector	
Speakers	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
N/A	

HEALTH and ANATOMY & PHYSIOLOGY CLASSROOM H-AC-5



CAPACITY:
- 24 students
- Teachers
- Staff

SIZE:
- 1200 SF

GOALS:
- Flexible space and layout to support delivery of health and science curriculum
- To help students become reasonable caretakers of their bodies and environment
- To help students become aware of the physical and biological world

PROGRAM ACTIVITIES:
- Large and small group instruction
- Hands-on activities
- Data collection and analysis
- Laboratory work
- Oral presentations
- Computer simulations
- Computerized instruction

ENVIRONMENTAL CONSIDERATIONS[2]:
- Consider future technology needs; build-in flexibility to retain options
- Uniform lighting
- Rooms designed for ease of movement and accessibility; Students need to be able to move around the labs with chemicals in a safe way.
- Lab table tops and floors need to be resistant to acids, heat, spills, etc.
- OSHA requirements maintained
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
  Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- Windows to provide natural light and egress
- Window treatment to darken room for AV presentations
- Adequate ventilation
- Proportion classroom for effective viewing and listening from all areas of the classroom

NOTES:
1. Loose furnishings and features shown represent one of many possible arrangements. The lab area may be configured with perimeter lab stations and movable lab/lecture tables.

HEALTH and ANATOMY & PHYSIOLOGY CLASSROOM

Finishes[1]:	Spec. Ref.#
Flooring:	
Quartz tile	096618
Base:	
Resilient base	096519
Ceiling:	
Suspended, acoustical	095113
Walls:	
Painted concrete masonry units or dry wall	042000 / 099123

Loose Furnishings:

- L1 11 two-person adjustable height tables
- L2 22 adjustable height stools
- L3 Fire blanket
- L4 Microscopes (in cabinets)
- L6 Goggle storage and sanitizer cabinet
- L7 Adjustable height bookshelves (24 LF)
- L8 Multimedia cart for teacher use
- L9 Adjustable height stool for teacher
- Wastebasket

Miscellaneous:

- M1 Projection device on cart — Div. 27
- M2 6 computers for student use
- M4 Video camera hooked to microscopes
- M5 Digital science instrumentation
- M8 Computer for teacher use
- Audio enhancement equipment

Communications[2]: Div. 27

- T1 Video port, monitor, VCR, and brackets
- T2 Voice port and phone
- T3 2 data port at each lab station for student use
- T4 Data port near teacher workstation
- T5 2 data port for printers
- T6 Cable/MATV port
- Electronic white board

Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Science Casework: Base/wall cabinets and shelving Tall cabinets	123200
F2 Marker board (8 LF)	101100
F3 Marker board with grid (8 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

Fire Suppression: Div. 21

- Fire suppression system

Plumbing: Div. 22

- Plumbing connections
- All utilities for teacher demonstration table
- Safety chemical showers/eye wash stations
- Floor drains

HVAC: Div. 23

- Supply/return air system
- Independent temperature control
- Fume hood connections

Electrical: Div. 26

- Duplex receptacles
  - 3 per primary teaching wall
  - 2 per other walls
  - at each lab station and teacher demonstration table
- TVSS protected quad receptacle adjacent to each data port
- Multilevel switching
- Fluorescent lighting
  - Illumination level: See Table 7600-16
- Clock
- Central sound system

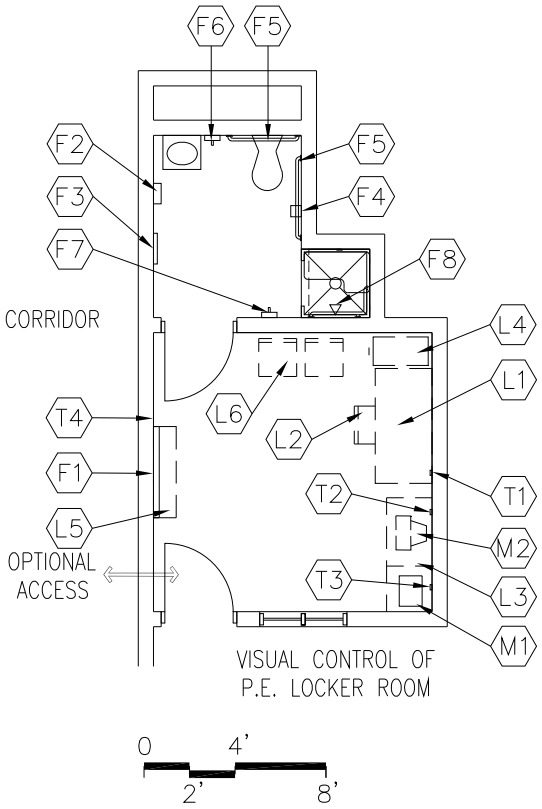
Electronic Safety and Security: Div. 28

- 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.

P.E. OFFICE **H-PE-10**



CAPACITY:
- 1-2 Teachers
- Student teachers

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

PROGRAM ACTIVITIES:
- Scheduling
- Planning
- Ordering
- Maintaining records
- Meeting
- Visual control of P.E. Locker Room

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

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Provide P.E. Office for both men and women.
3. If coaches offices are required, layout shall be similar with association with athletic locker rooms

P.E. OFFICE

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 Computer workstation
- L4 Four-drawer file cabinet
- L5 Adjustable height bookshelves (12 LF)
- L6 Guest chairs
- Wastebasket

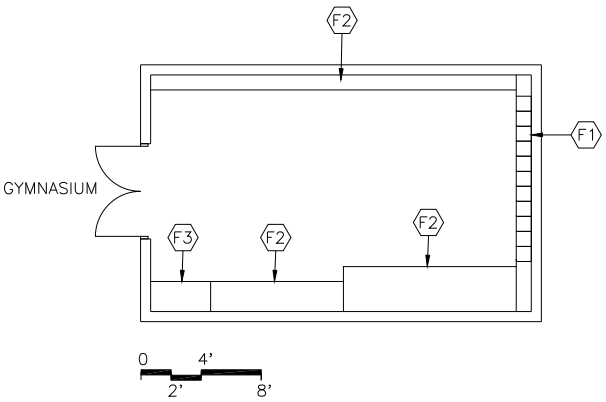
Miscellaneous:
- M1 Printer
- M2 Computer for teacher use

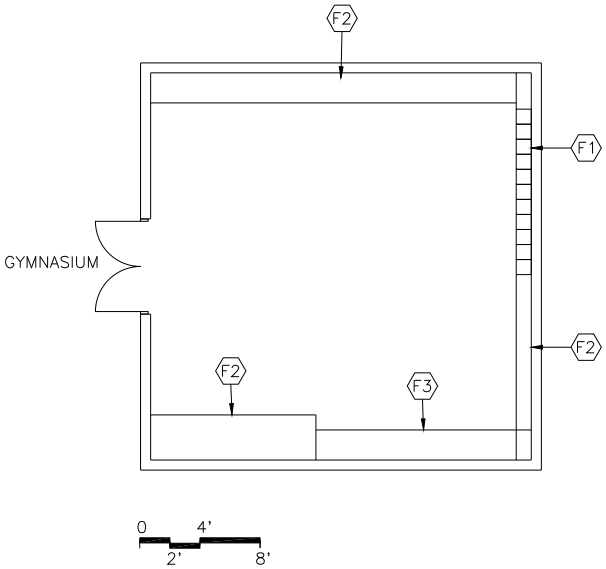
Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Tack board (4 LF)	101100
F2 Towel dispenser	102800
F3 24” x 60” mirror	102800
F4 Toilet tissue holder	102800
F5 36” and 42” grab bars	102800
F6 Soap dispenser	102800
F7 Coat hook	102800
F8 ADA shower accessories	102800
Fire Suppression:	Div. 21
Fire suppression system	
Plumbing:	Div. 22
Plumbing connection	
Wall mounted lavatory	
Wall mounted water closet	
Shower controls	
Floor drains - in restroom and shower	
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	
Central sound system	
Communications[2]:	Div. 27
T1 Voice port and phone	
T2 Data port near workstation	
T3 Data port for printer	
T4 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.

STORAGE **H-PE-12**





CAPACITY:
N/A

ANCILLARY SPACES:
- Fitness room

GOAL:
- To provide space to adequately store PE equipment

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

NOTES:

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

STORAGE
H-PE-12

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:	
F2 Storage shelving (84" high x 12"/24"/36" depth)	105613
F3 Casework:	
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
Single level switching
Fluorescent lighting
Illumination level: See Table 7600-16

Communications:
N/A

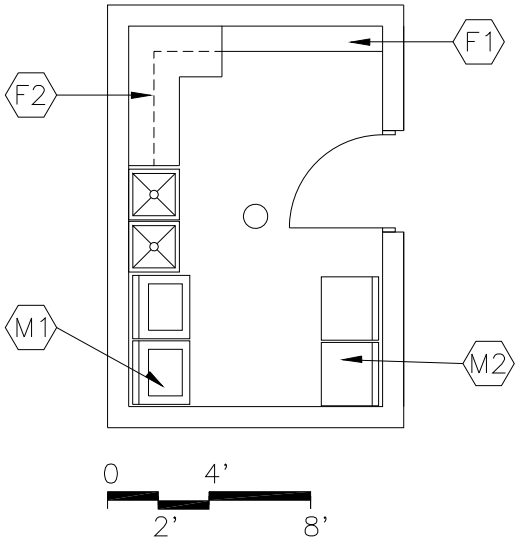
Electronic Safety and Security: Div. 28
Life safety devices per code

Miscellaneous:
N/A

NOTES:

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

LAUNDRY H-PE-15



CAPACITY:
- 1-2 Teachers/staff

SIZE:
- 150 SF

ANCILLARY SPACES:
N/A

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

PROGRAM ACTIVITY:
- Washing and drying clothes

SPATIAL RELATIONSHIPS:
- Near PE Locker Room/Showers

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

NOTES:

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

LAUNDRY

Finishes[1]:	Spec. Ref.#
Flooring:	
Quarry tile	093000
Base:	
Resilient base	096519
Ceiling:	
Cleanable, suspended, acoustical	095113
Walls:	
Painted concrete masonry units	042000 / 099123
Loose Furnishings:	
Wastebasket	

Features[1]:		Spec. Ref.#
Fixed Equipment:		
F1	Rust-resistant 12" deep shelving	114000
F2	Casework: Base/wall cabinets and shelving	123200
Fire Suppression:		Div. 21
Fire suppression system		
Plumbing: Div. 22		
Plumbing connections		
Sinks, utility		
Floor drains		
HVAC: Div. 23		
Supply/return air system		
Independent temperature control		
Exhaust air system		
Washer and dryer connections		
Electrical: Div. 26		
Duplex receptacles		
Single-level switching		
Fluorescent lighting		
Illumination level: See Table 7600-16		
Central sound system		
Washer and dryer connections		
Communications[2]:		
N/A		
Electronic Safety and Security:		Div. 28
Life safety devices per code		
Miscellaneous:		
M1	Commercial washers	
M2	Commercial dryers	

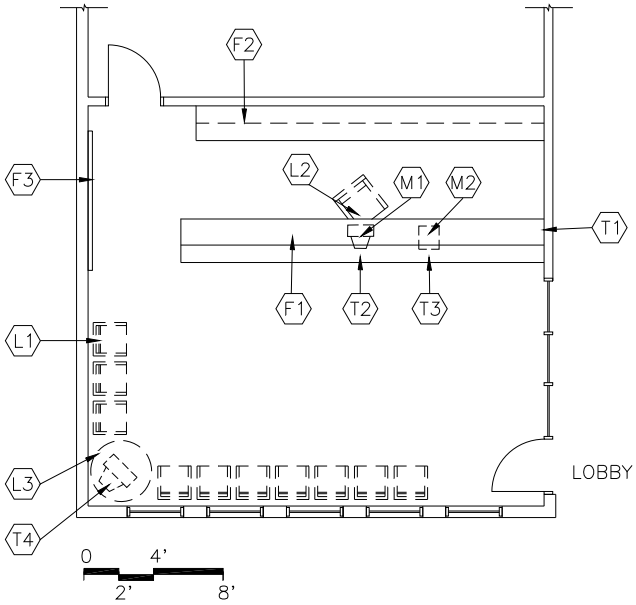
NOTES:
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications - Technology, Section 1240.
3. Coordinate size of door with laundry equipment.

Administration Space Requirements

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Lobby/Gallery	1	1100	1100	
Waiting Area/Reception	1	250	250	
Principal's Office	1	230	230	Includes toilet
Offices	2	120	240	Bus. Man/Executive Admin.
Administrative Workroom	1	200	200	
Administrative Supply Storage	1	50	50	
Mail Room	1	100	100	
Conference Room	1	225	225	
Intercom Alcove	1	75	75	
Attendance/Registrar Office	1	300	300	
Health Suite			0	
Waiting Area/Reception	1	100	100	
Office	1	125	125	
Treatment Area	1	150	150	
Cots	1	100	100	
Storage	1	100	100	
Toilets	2	50	100	
Security Center	1	80	80	
Supply Storage	1	300	300	
Staff Break Room	1	250	250	
Telecom/Head End Room	1	150	150	
Ellington Fund Suite				
Reception Area	1	150	1025	
Offices	5	120		
Conference	1	200		
Storage	1	75		
Total			**5,250**	

Adjacencies: Establish welcome center at the historic entrance; develop ADA drive and small amount of visitor parking consistent with the historic façade.

WAITING AREA/RECEPTION



CAPACITY:
- General public
- Staff
- Students

SIZE:
- Varies, see table

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

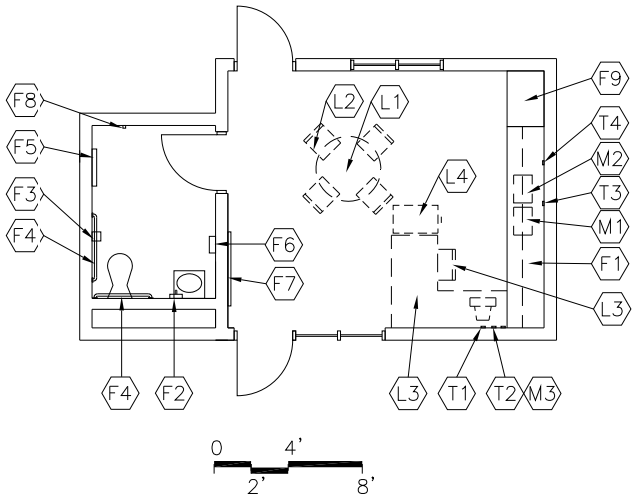
GOAL:
- To provide a welcoming atmosphere and to serve as an information area for those coming into the school

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

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)

PRINCIPAL'S OFFICE



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 Conference Room

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

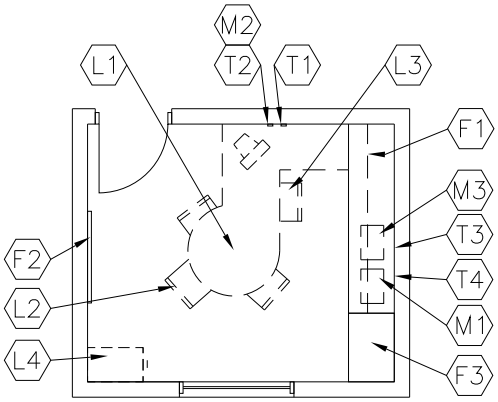
SIZE:
- 230 SF

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

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 w/ shower
- Adequate exhaust (restroom)
- Auditory privacy

TECHNOLOGY AND BUILT-IN EQUIPMENT (All office areas)
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- Bulletin Board (4'X4')
- Computer stations/casework per DCPS standards

ALL ADMIN OFFICES



CAPACITY:
- Assistant Principal
- Small group meeting (up to 4 persons)

ANCILLARY SPACES:
N/A

Note: The business manager will have the school vault in his or her office

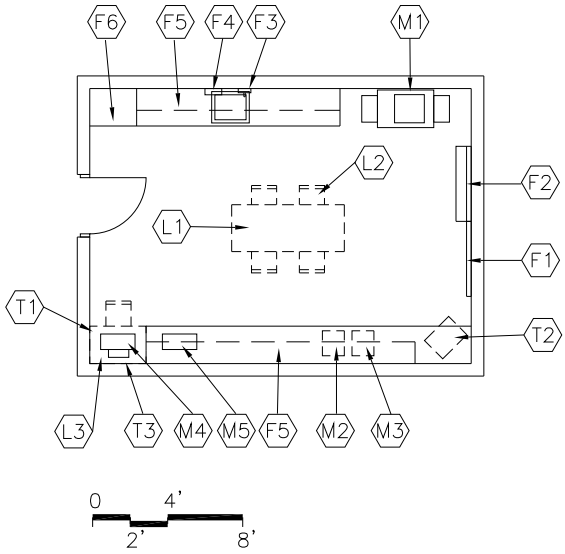
GOAL:
- To serve as the home base for administrators from which he/she can provide leadership in a personal, flexible, and organized environment for students, staff, and community

PROGRAM ACTIVITIES:
- Student counseling
- Telephone calls
- Administrative paperwork
- Planning
- Computer input
- Meetings with parents, students, and staff

SPATIAL RELATIONSHIPS:
- Near Storage
- Near Work/Mailroom
- Near Principal's Office
- May be located near Academic Core Area for supervision or in Administration Suite

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

ADMINISTRATIVE WORKROOM



CAPACITY:
- Secretaries and Administrators
- Volunteers
- Staff

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

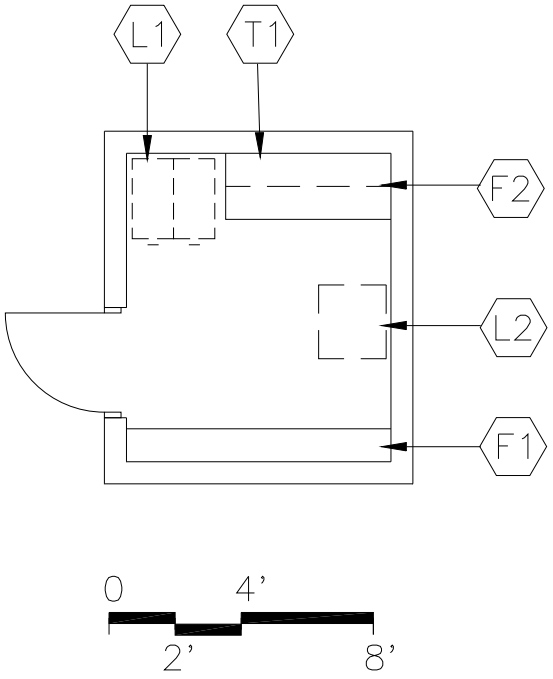
GOAL:
- To provide an area for office projects to be completed

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

ADMINISTRATIVE SUPPLY STORAGE



CAPACITY:
N/A

SIZE:
- Varies, see table

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

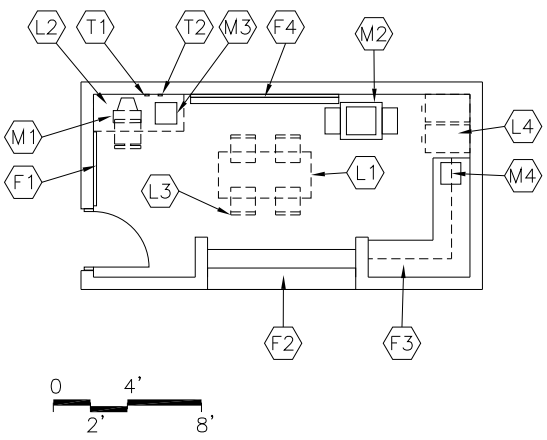
GOAL:
- To provide adequate and secure storage for office supplies

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

MAILROOM



CAPACITY:
- 2-3 Office Assistants

SIZE:
- varies, see table

ANCILLARY SPACES:
N/A

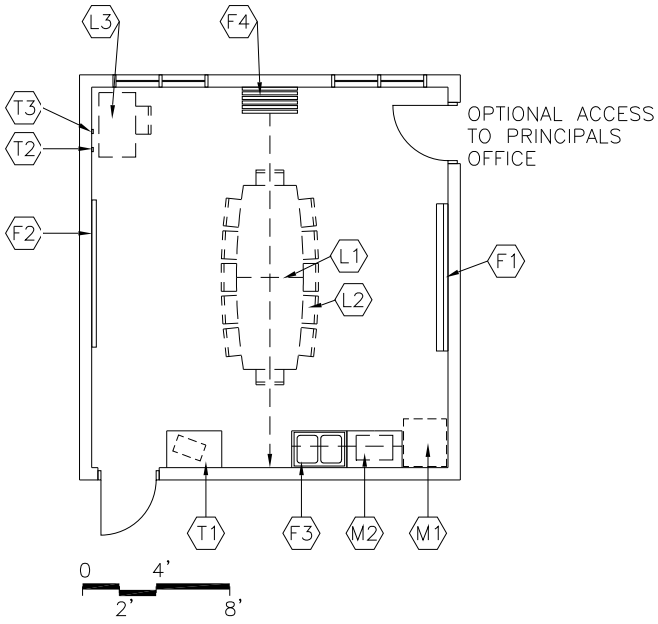
GOAL:
- To provide adequate space and equipment for office work projects and an area to disseminate incoming mail to staff members

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

CONFERENCE ROOM



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

SIZE:
- One for up to 12 people

ANCILLARY SPACES:
N/A

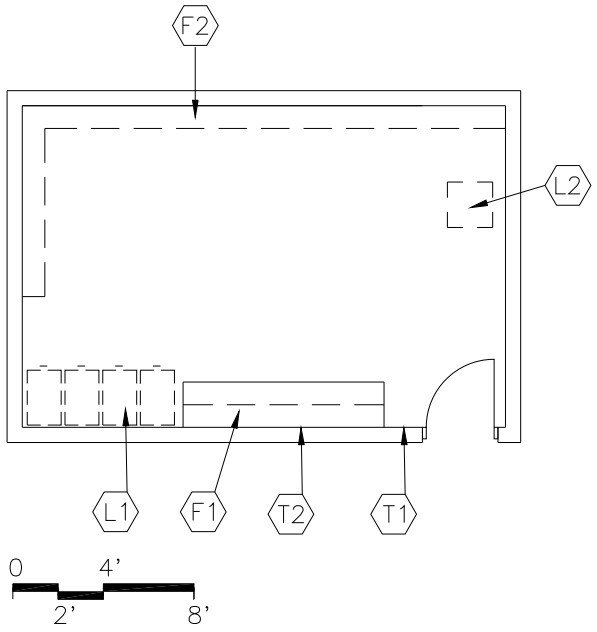
GOAL:
- To provide an area adequate for small and medium group conferences

PROGRAM ACTIVITY:
- meetings/conferences
- training
- Dining for the culinary arts program
- Staff collaboration

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)

RECORDS STORAGE ROOM



CAPACITY:
N/A

SIZE:
- Varies, see table

ANCILLARY SPACE:
N/A

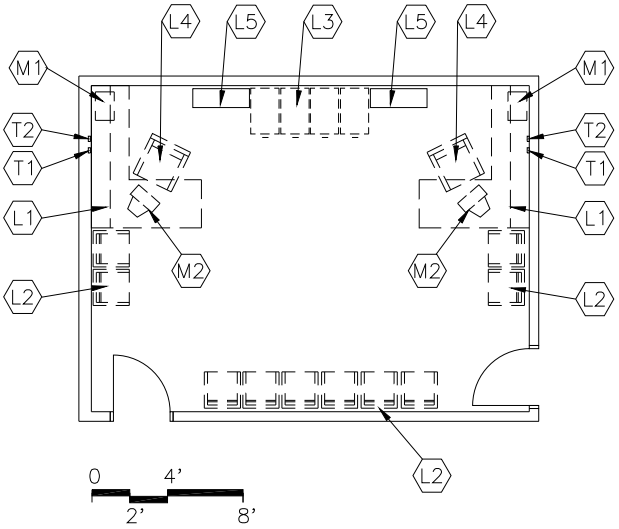
GOAL:
- To provide secure, and adequate storage for records and office supplies

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

ATTENDANCE AND REGISTRAR OFFICES



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

CAPACITY:

- 6 – 8 students and parents
- 2-3 attendance aides
- Clerical/attendance agent

SIZE:

- Varies, see table

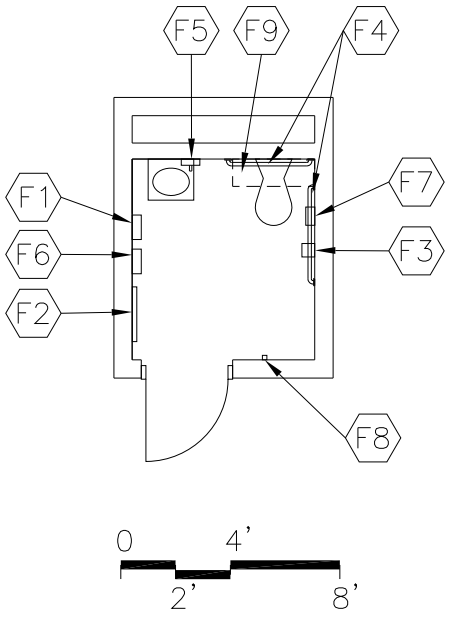
ANCILLARY SPACES:

N/A

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

TOILET



CAPACITY:
- Staff

SIZE:
- 50 SF

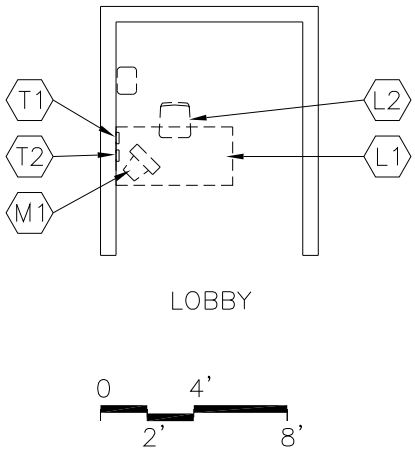
ANCILLARY SPACES:
N/A

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

SECURITY AREA **M-AD-3**



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

PROGRAM ACTIVITIES:
- Check-in/out visitors
- Monitor main entrance to school
- Workstation for security officer

SPATIAL RELATIONSHIPS:
- Adjacent to each entrance lobby / security checkpoint

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Recessed electrical outlets located in the floor

CAPACITY:
- Security officer

ANCILLARY SPACE:
N/A

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Note: It may be required to have more than one desk location at each checkpoint for each security checkpoint of the school.

SECURITY AREA

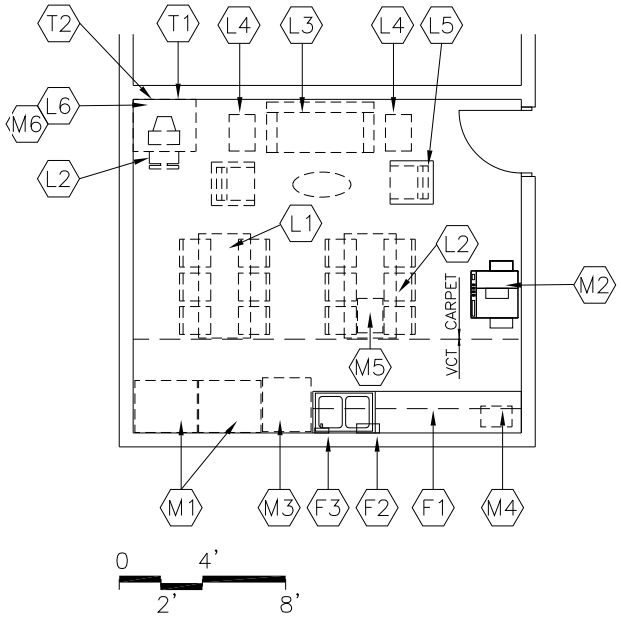
Finishes[1]:	Spec. Ref.#
Flooring:	
Coordinate with entrance lobby finishes	
Base:	
Coordinate with entrance lobby finishes	
Ceiling:	
Coordinate with entrance lobby finishes	
Walls:	
Coordinate with entrance lobby finishes	
Loose Furnishings:	
L1 Desk with lockable file	
L2 Ergonomic task chair	
Wastebasket	

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 receptacle 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 Voice port and phone	
T2 Data port near workstation	
Electronic Safety and Security:	Div. 28
Life safety devices per code	
Miscellaneous:	
M1 Computer	

NOTES:

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

STAFF BREAK ROOM **H-AD-18**



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

CAPACITY:
- 10-12 persons

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Staff Restroom (H-BS-10)

NOTES:

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

STAFF BREAK ROOM
H-AD-18

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 round table
L2 4 chairs
L3 Sofa
L4 Side and end tables
L5 4 lounge chairs
Wastebasket

Miscellaneous:
M1 Vending machines
M3 Refrigerator
M4 2 Microwaves

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

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

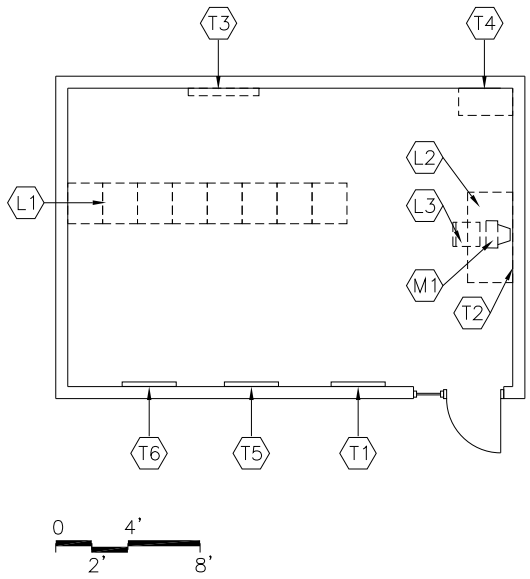
Communications: Div. 27
T1 Voice port and phone
T2 Data port near workstation

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.

TELECOM HEAD END ROOM



CAPACITY:
- 1-2 staff members

SIZE:
- Varies, see table

ANCILLARY SPACES:
N/A

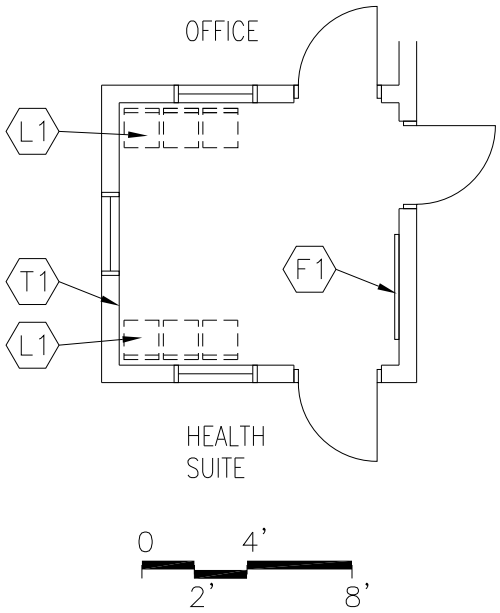
GOALS:
- To provide a secure area to serve as the information hub of the school. File servers will serve the buildings computer network
- To provide satellite up and down links that will send and receive voice, video, and data. Fiber optic cable will serve the telephone, fax, and video of the school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

WAITING AREA/RECEPTION
Health Suite



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

SIZE:
- 150 SF

ANCILLARY SPACES:
- Nurses Office (H-AD-22)
- Medical Provider office

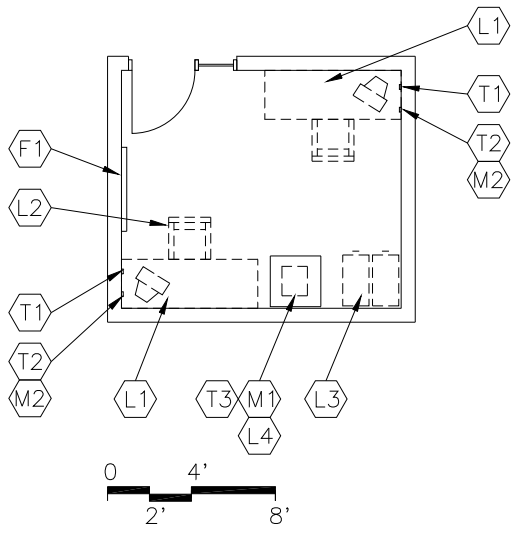
GOAL:
- To provide an area for students waiting to see the nurse or for parent pick-up

SPATIAL RELATIONSHIPS:
- First space one enters in Health Suite
- Ground floor

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

<u>Loose Furnishings</u>:
L1 10 visitor chairs
2 Side tables w/ lamps
Wastebasket
F1 Tack board

OFFICES
Health Suite



CAPACITY:
- Staff

SIZE:
- 150 SF

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

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

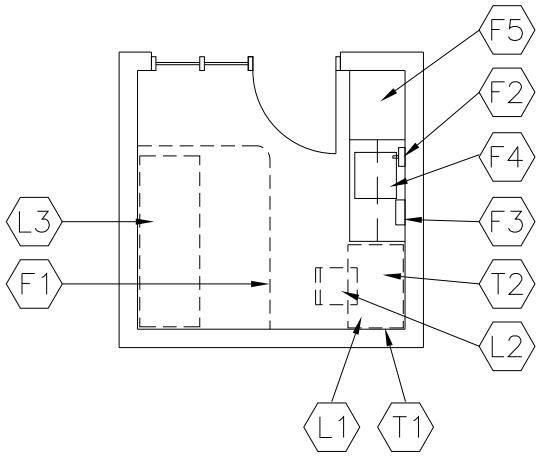
PROGRAM ACTIVITIES:
- Conferences with staff and other visitors
- Paperwork
- Computer input
- Telephone calls
- Planning

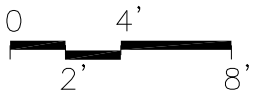
SPATIAL RELATIONSHIPS:
- Near Administration Area
- Adjacent and access to Waiting Area/Reception

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

<u>Loose Furnishings</u>:
L1 2 desks
L2 2 ergonomic task chairs
L3 2, four-drawer file cabinets
Wastebasket

TREATMENT AREA
Health Suite





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

SIZE:
- 150 SF

ANCILLARY SPACES:
N/A

GOAL:
- To provide school based health services

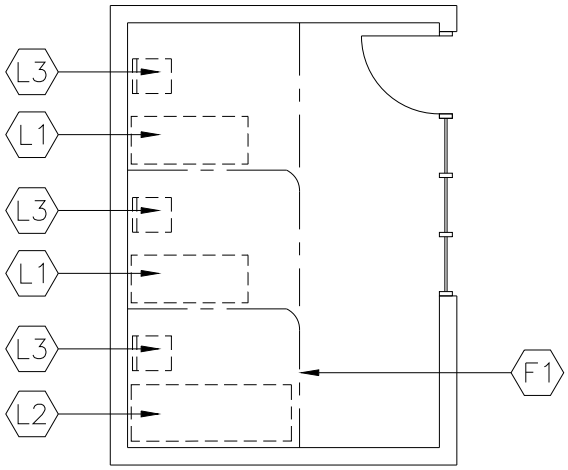
PROGRAM ACTIVITIES:
- First aid
- Consultation with students
- Health screening
- Administrative paperwork
- Medical treatments
- Medication administration

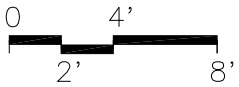
SPATIAL RELATIONSHIPS:
- Located within Health Suite
- Near Waiting Area

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

Note: Nurse should have visual control over the cots and reception area even while in the treatment area.

COTS
Health Suite





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

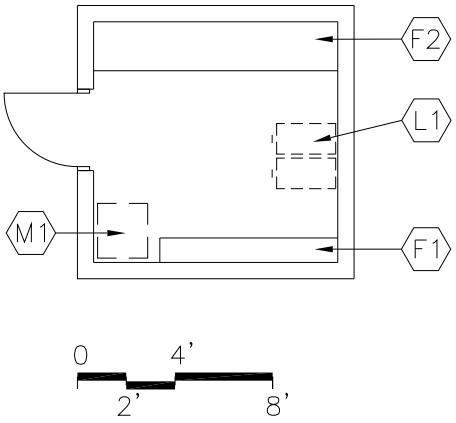
PROGRAM ACTIVITIES:
- Resting

SPATIAL RELATIONSHIPS:
- Located within Health Suite
- Separate male and female cot area

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

Note: Only 2 cots are required for every 300 students

STORAGE AREAS
Health Suite



CAPACITY:
- Nurse

SIZE:
- Varies, see table

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

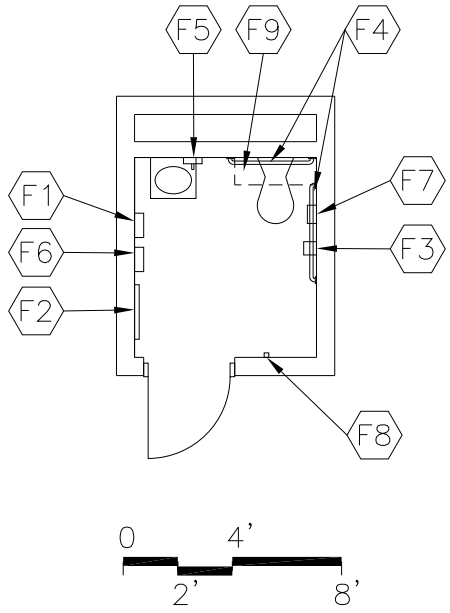
GOAL:
- To provide storage for medical supplies and equipment

PROGRAM ACTIVITIES:
- Storage

SPATIAL RELATIONSHIPS:
- Adjacent and access to Treatment Area

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

TOILET
Health Suite



CAPACITY:
- Staff
- Students

SIZE:
- 64 SF

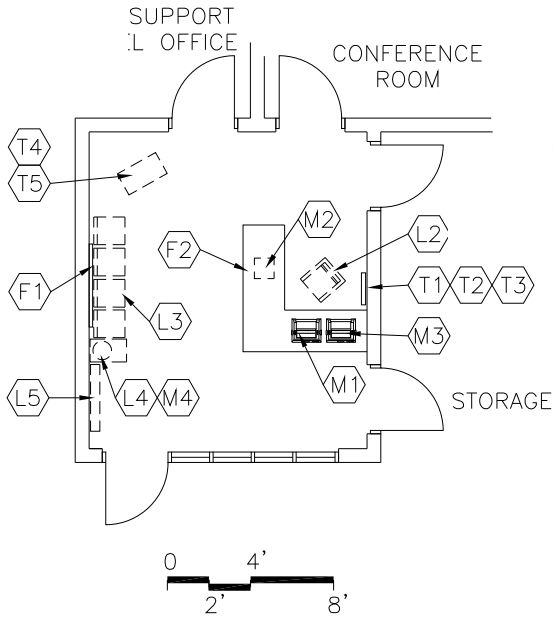
ANCILLARY SPACES:
N/A

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

ELLINGTON FUND RECEPTION AREA



CAPACITY:
- Staff
- Parents
- Visitors

ANCILLARY SPACES:
- Offices
- Conference

GOAL:
- To provide a space designated to help staff and the public feel welcome and to provide information

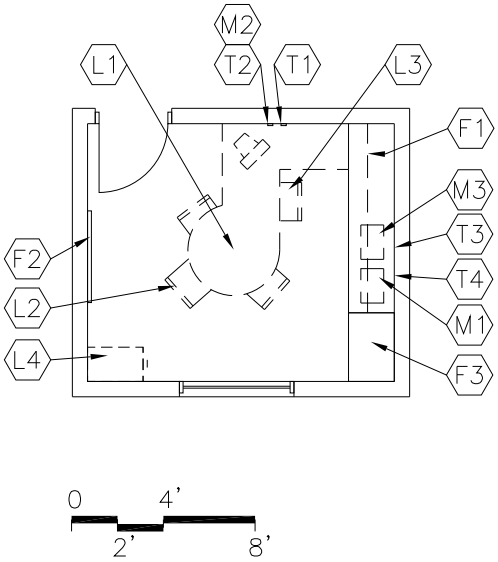
PROGRAM ACTIVITIES:
- Waiting area
- Administrative activities
- Greeting visitors

SPATIAL RELATIONSHIPS: (if feasible)
- Near front entrance
- Adjacent and access to Conference Room

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

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

OFFICE **H-AD-4**



CAPACITY:
- One staff
- Visitor

SIZE:
- 120 SF

ANCILLARY SPACES:
N/A

GOAL:
- To serve as the home base for the staff

PROGRAM ACTIVITIES:
- Telephone calls
- Administrative paperwork
- Planning
- Computer input
- Meetings with visitors and staff

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

NOTES:

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

OFFICE

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 Conference table
- L2 Side chairs
- L3 Desk and chair
- L4 Four-drawer locking file cabinet
- Wastebasket

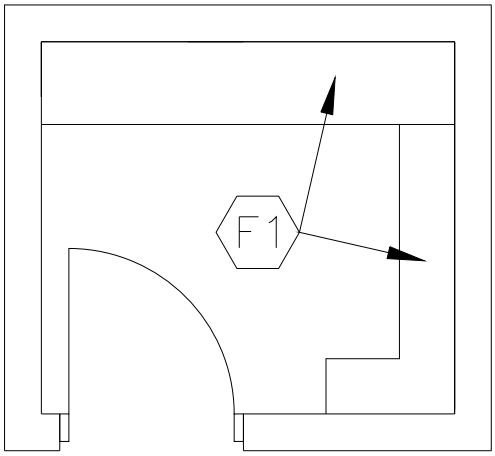
Miscellaneous:
- M1 Printer
- M2 Computer

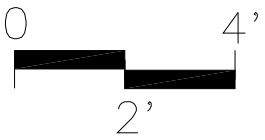
Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Base/wall cabinets and shelving	123200
F2 Tack board (4 LF)	101100
F3 Casework:	
Wardrobe	123200
Fire Suppression:	Div. 21
Fire suppression system	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Duplex 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	
Communications[2]:	Div. 27
T1 Voice port and phone	
T2 Data port near workstation	
T4 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 — Technology, Section 1240.

STORAGE





CAPACITY:
- Staff

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Reception Area

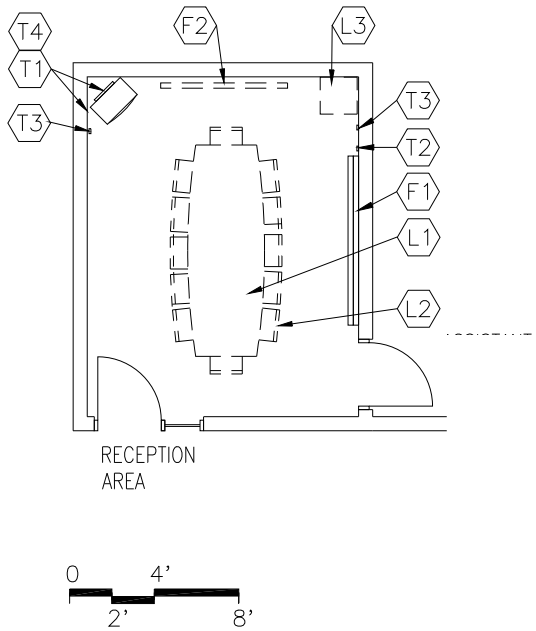
GOAL:
- To provide a place for storage of supplies and books for departments (English, math, social studies and world languages)

PROGRAM ACTIVITIES:
- Storing equipment and supplies

SPATIAL RELATIONSHIPS:
- Adjacent and access to Reception Area

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

CONFERENCE ROOM



CAPACITY:
- Staff
- Parents
- Students
- Visitors

ANCILLARY SPACES:
- Reception Area

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

PROGRAM ACTIVITIES:
- Conferencing with staff and visitors

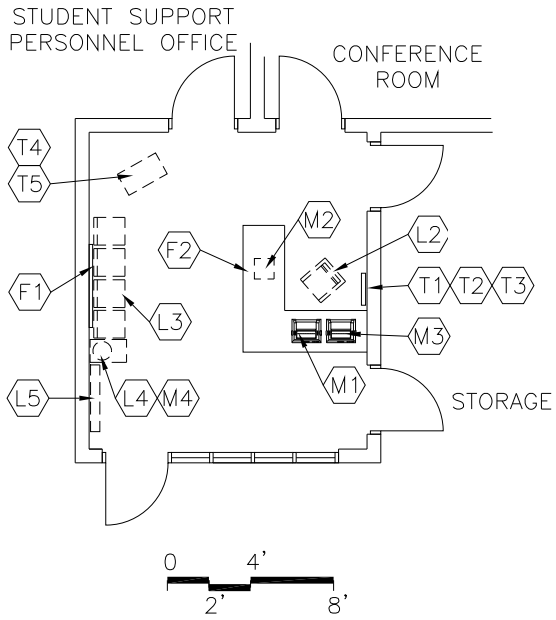
ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Environmental sound control:
  Wall minimum: STC 45
  Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Auditory privacy
- Windows to provide natural light, desirable
- Window treatment to darken room for AV presentation

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)

Student Services

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Student Services Suite Reception	1	120	120	
Counselor Offices	2	120	240	
Sheparding Office	1	120	120	Location TBD
DC Cap Office	1	120	120	
Conference rm	1	240	240	Includes 3 computers
Records Storage	1	275	275	
Total			**1,135**	

RECEPTION AREA



CAPACITY:
- Staff
- Students
- Parents
- Visitors

SIZE:
- Varies

ANCILLARY SPACES:
- Offices
- Conference

GOAL:
- To provide a space designated to help students and the public feel welcome and to provide information

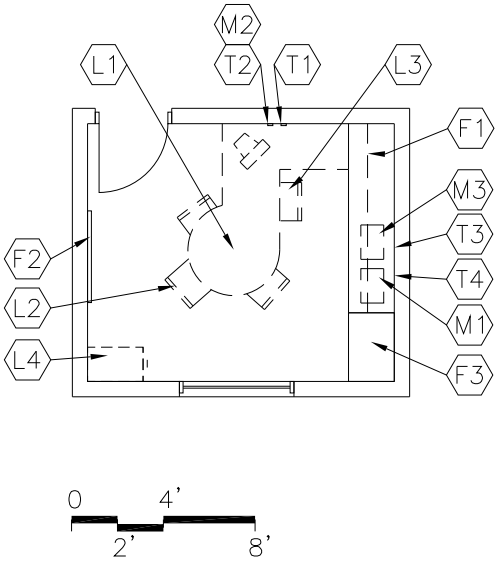
PROGRAM ACTIVITIES:
- Waiting area for students and parents
- Administrative activities
- Greeting visitors

SPATIAL RELATIONSHIPS: (if feasible)
- Near front entrance
- Adjacent and access to Conference Room

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

TECHNOLOGY
- Video, voice and data ports (per the District's most recent standards at the time of installation) flexible wired and wireless capability
- This rooms may have 2 student computers in addition to an administration computer

OFFICE **H-AD-4**



GOAL:
- To serve as the home base for the staff

PROGRAM ACTIVITIES:
- Student counseling
- Telephone calls
- Administrative paperwork
- Planning
- Computer input
- Meetings with parents, students, and staff

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

CAPACITY:
- One staff
- Visitor

SIZE:
- 100-150 SF

ANCILLARY SPACES:
N/A

NOTES:

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

OFFICE

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 Conference table (Dean only)
- L2 Side chairs
- L3 Desk and chair
- L4 Four-drawer locking file cabinet
- Wastebasket

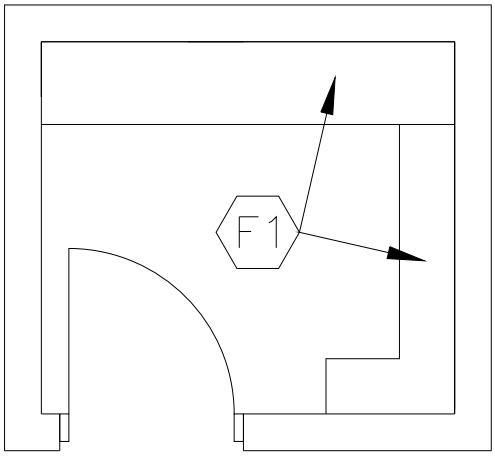
Miscellaneous:
- M1 Printer
- M2 Computer

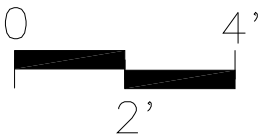
Features[1]:	Spec. Ref.#
Fixed Equipment:	
F1 Casework:	
Base/wall cabinets and shelving	123200
F2 Tack board (4 LF)	101100
F3 Casework:	
Wardrobe	123200
Fire Suppression:	Div. 21
Fire suppression system	
HVAC:	Div. 23
Supply/return air system	
Independent temperature control	
Electrical:	Div. 26
Duplex 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	
Communications[2]:	Div. 27
T1 Voice port and phone	
T2 Data port near workstation	
T4 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 — Technology, Section 1240.

STORAGE





CAPACITY:
- Staff

SIZE:
- Varies, see table

ANCILLARY SPACES:
- Reception Area

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

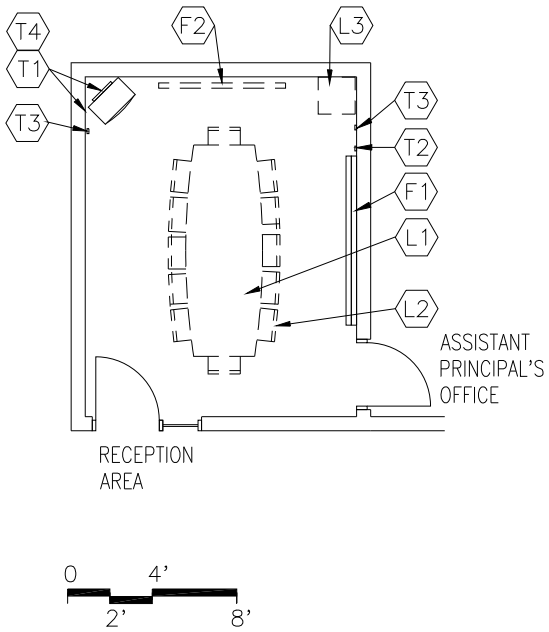
PROGRAM ACTIVITIES:
- Storing equipment and supplies

SPATIAL RELATIONSHIPS:
- Adjacent and access to Reception Area

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

Note: Some lockable storage should be located in this area for the mandatory test supplies. See staff for exact location and size.

CONFERENCE ROOM



CAPACITY:
- Staff
- Parents
- Students
- Visitors

ANCILLARY SPACES:
- Reception Area

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

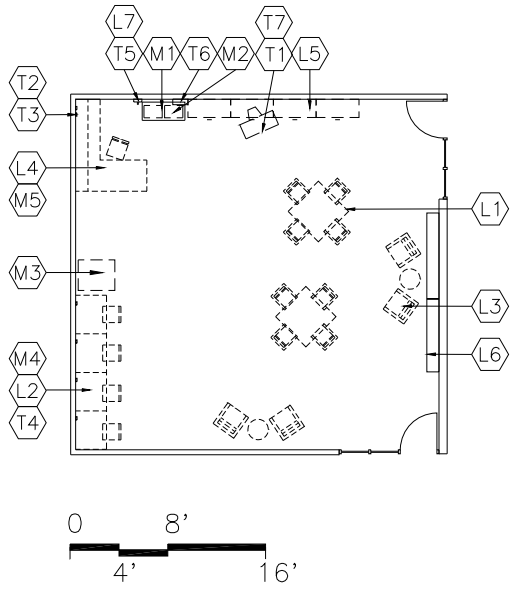
PROGRAM ACTIVITIES:
- Conferencing with staff, students, parents, and visitors

SPATIAL RELATIONSHIPS:
- Adjacent and access to Sped Reception

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)

DC CAP (CAREER CENTER) **H-GSS-2**



CAPACITY:
- Students
- Parents
- College representatives

ANCILLARY SPACES:
N/A

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

PROGRAM ACTIVITIES:
- Research on colleges or careers
- Group sessions with college representatives

SPATIAL RELATIONSHIPS:
- Adjacent to Student Support Service Offices
- Near Large Group Restrooms

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

NOTES:

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

DC CAP

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	2 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	2 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:

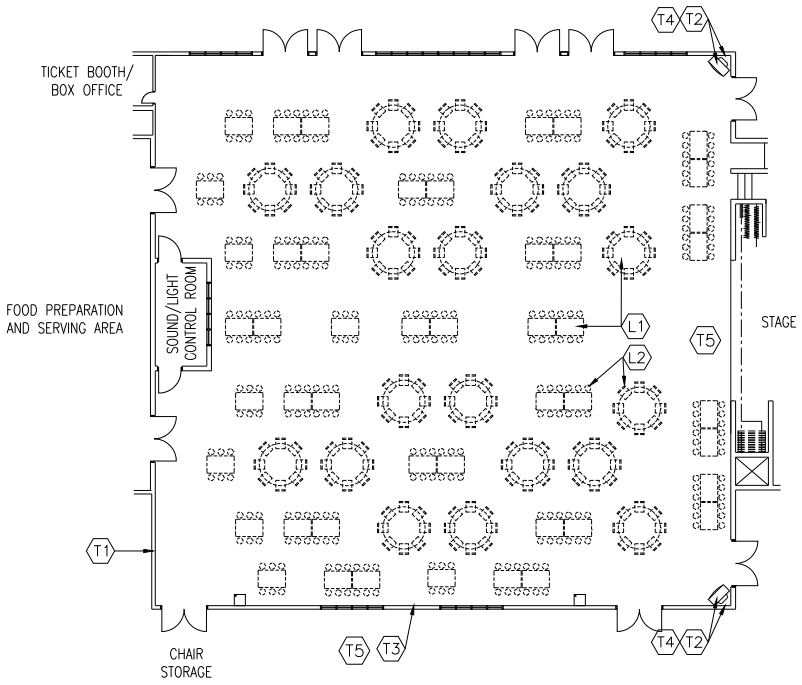
1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications — Technology, Section 1240.

Student Dining & Food Service

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Cafeteria/Commons	1	3,300	3,300	Or 'as is'
Kitchen and Serving Area	1	1,500	1,500	
Food Storage	1	350	350	
Paper Products, Carts and Utensils Storage	1	250	250	
Ware Washing	1	200	200	
Freezer and Cooler	1	250	250	
Toilet/Shower/Lockers	2	100	100	
Cleaning Storage	1	100	100	
Chair Storage	1	250	250	
Office	1	100	100	
Total			**6,400**	

Ellington School of the Arts has only one lunch period. The administration allows students to eat and socialize casually in one part of the building as well as to run errands, go to the media center, etc. with permission. DCPS policy is to provide seating for 1/3 of the student enrollment and to allow schools to set their own policies regarding lunch behavior.

CAFETERIA / COMMONS
H-SD-1



CAPACITY:
- Number of students per lunch to be 220
- Community – primarily after school hours

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, Main Academic, and Media Center
- Near parking and main entry to building
- Outdoor area is desirable

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.

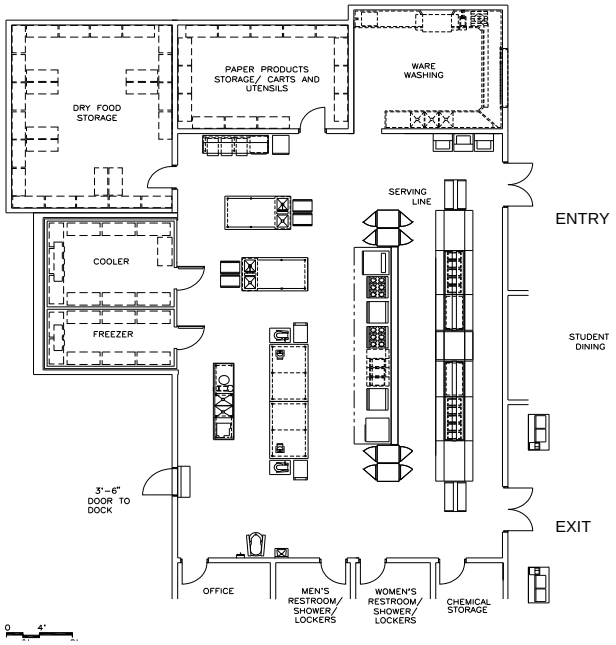
NOTES:
1. Loose furnishings and features shown represent one of many possible arrangements.

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:	
Platform stage	
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. High ceilings are appropriate for acoustics.
3. Refer to the Educational Specifications — Technology, Section 1240.



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.

NOTES:

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

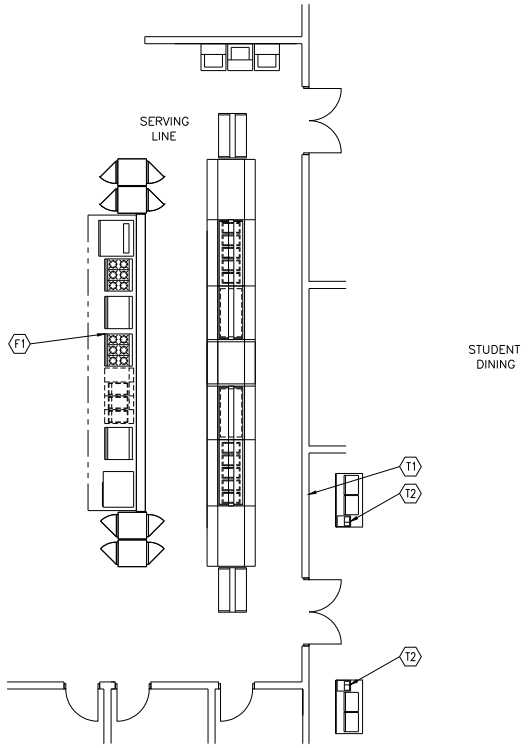
KITCHEN
H-SD-5

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	

SERVING AREA **H-SD-5A**



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

PROGRAM ACTIVITIES:
- Serve food

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:
- Play Bowl - 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.
- 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.
- 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.
- Meals - 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.

SERVING AREA **H-SD-5A**

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	

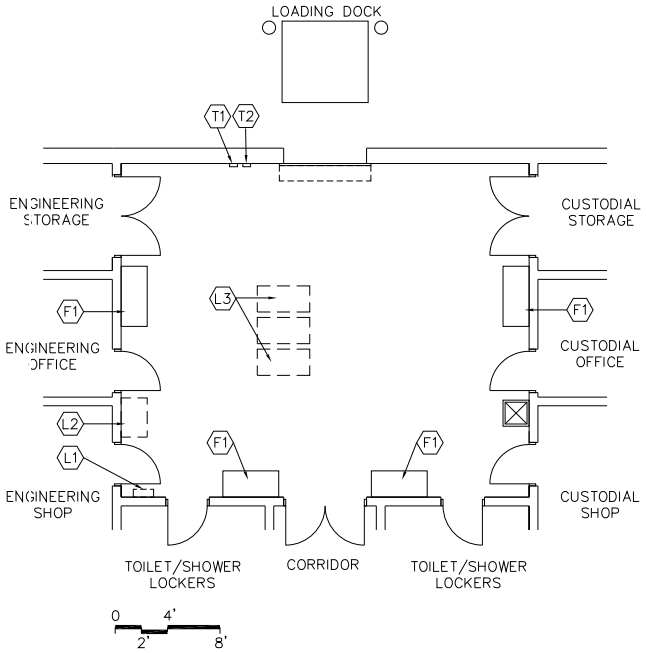
NOTES:

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

Maintenance & Custodial Space Requirements

Space	Suggestions			Comments
	Qty.	S.F.	Total	
Receiving	1	450	450	
Custodial Office	1	100	100	
Custodial Storage	1	200	200	
Engineer's Office	1	100	100	
Engineering Storage	1	100	100	
Toilet/Shower/Lockers	2	150	300	
Total			**1,300**	

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

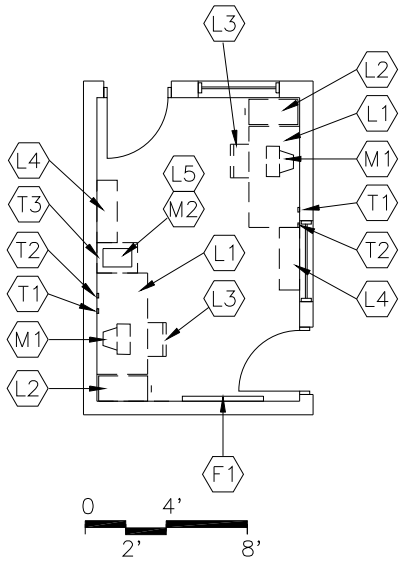
SPATIAL RELATIONSHIPS:

- 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

CUSTODIAL OFFICE



CAPACITY:
- Maintenance and custodial staff
- Building engineer

ANCILLARY SPACES:
- Receiving
- Custodial Shop

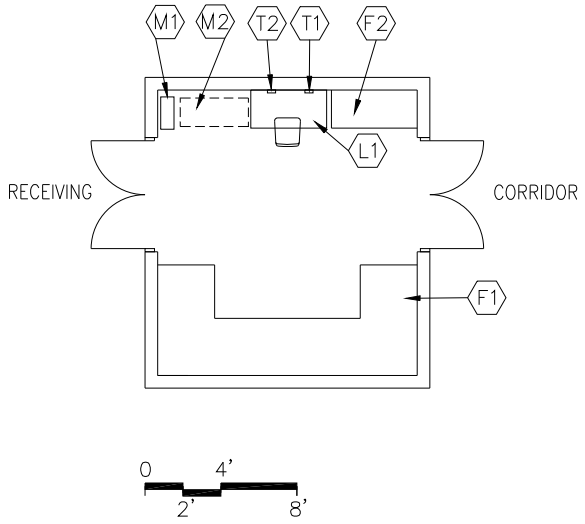
GOAL:
- To provide an area for the maintenance manager, staff, and building engineer to provide supervision of the physical plan

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

CUSTODIAL 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

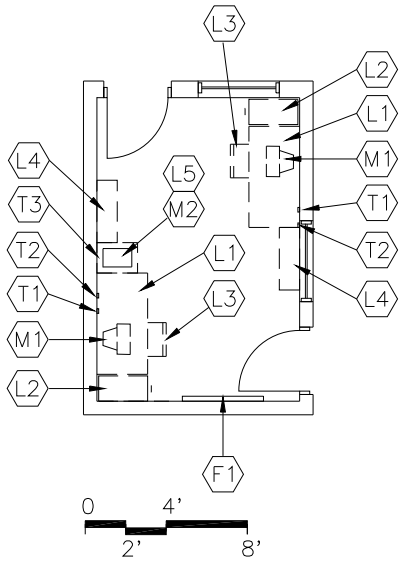
SPATIAL RELATIONSHIPS:
- Adjacent to Receiving
- Easy access to a main corridor
- Near Custodial Shop

ENVIRONMENTAL CONSIDERATIONS:
- Uniform lighting
- Double doors with removable mullions to Receiving and Corridor
- High ceilings
- Electrical outlets for equipment

CAPACITY:
- Custodial personnel
- Engineering personnel

ANCILLARY SPACES:
- Receiving

ENGINEERING OFFICE



CAPACITY:
- Maintenance and custodial staff
- Building engineer

ANCILLARY SPACES:
- Receiving
- Engineering Shop

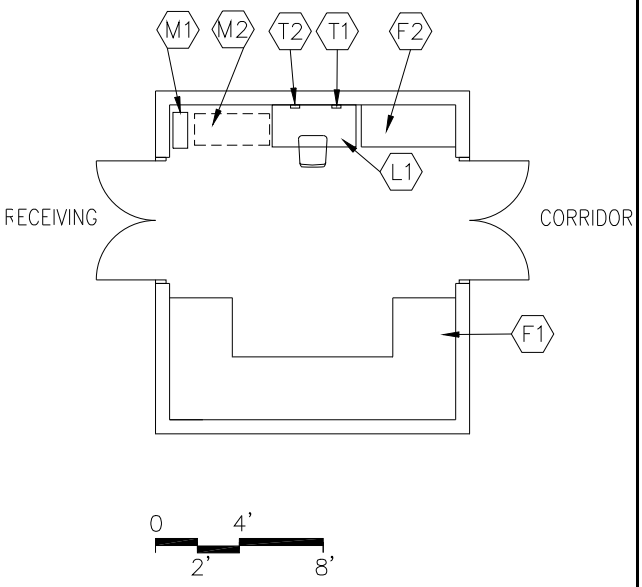
GOAL:
- To provide an area for the maintenance manager, staff, and building engineer to provide supervision of the physical plant

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

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

Staff Comments September

Ellington Renovation Specs
Department Responses

Instrumental

Mr. Thompson had some concerns about the percussion room and he should how mentioned it to you all by now. He also spoke to Mr. Hodge about doors in the theater being large enough to accommodate the large timpani. Everything else looks good, with exception to the office size we got everything we requested. *(Isaac Daniel)*

Would prefer (1) percussion lab at 600 sq ft, (2) practice rooms at 80sq ft, (1) practice room at 100 sq ft, office space at 100 sq ft. Total square footage will stay the same at 960. Also, authentic whiteboards, as opposed to the chalkboards with whiteboard paint that some classrooms have now. Practice rooms' interior door frames need to be 36 – 40 inches wide.*(Francis Thompson)*

I looked over the plan and it looks great. I did have a question about practice rooms. I would say that we could use as many small practice rooms or practice modules as we can fit. I see that there are several listed, but it does not seem to be enough. The practice rooms do not need to be large or include a piano(some with uprights for piano students).
Another idea is that they could be on the lawn. I was just at the Chautauqua Institution and they have tiny practice huts all across a lawn area by Lenna Hall. They are small, have an ac/heat unit, a mirror, and hard wood floors. This is just an idea. I know the space is limited. If you have already discussed this, please ignore my comments.
Also, I saw that appropriate sound panels were on there. That is really important. The large spaces are much too loud right now- not good for the students' ears. Also, the studios/practice rooms should all have mirrors. *(Heather Haughn)*

Vocal Music

Hi - As I said in the Arts Chairs meeting, Vocal Music needs at least one larger space for rehearsals other than the Choir room or the classrooms. Also the Choir room is listed as appropriate for 60 students and it needs to hold a minimum of 85. We had talked about this at the initial Specs meeting. *(Mary Jane Ayers)*

UPDATE (9/8/12) - wall of mirrors for one of the large rooms--that would be a dance/movement/acting rehearsal space.

Visual Arts

I have 5 instructors and 4 studios, which clearly isn't enough to run the VA dept. In addition to date we have 97 students to make up the dept. I would hate to think that they are designing a space for the VA dept that is far too small for the future. I am not sure if the things we ask for, we are going to get. Such as; a state of the art computer graphics studio with joining photography rooms, a state of the art print making and painting studio along with adequate gallery space and a Art History space large enough to host meetings and special guest. As it stands now, unless I am reading the comps incorrectly, I don't see it here. Lastly we have to ensure we have enough space to house the 2D concepts and drawing classes. *(Mike Easton)*

Dance

Please don't forget that before we (Dance) can respond, we must first have the conversation that was promised to us w/ the person from DCPS (Downtown). We are having some difficulty in understanding the Information. *(Charles Augins)*

Need to make sure that we & Deanna are clear, that the new gym space is SEPARATE from the new dance studios and not a shared space.

Specs desired, as indicated by Dance department in June:
Dance Studios
2 large additional studios on top
1 smaller studio (5th studio) 26 depth , 35 length
A fitness/equipment room off from this room
Each studio would have an eye spy window/glass to see in other studios (same size as our current doors)
Proper ventilation for all storage areas and studios, maintaining air conditioning and fans for studio and office space.

Restrooms
Boys: Shower and dressing rooms enlarged to accommodate 20+ boys
Girls: Shower and dressing rooms enlarged to accommodate 65 girls

Rooms
Big office to accommodate 6 faculty, desks, file cabinets, chairs
Small office/conference room
Classrooms/Bookcases to accommodate 30 students and 2 faculty desk
Storage Room on main level (large)
Green Room Lounge with bathroom (more than 1 stall)
Showers, dressing area and lockers

Costume Room
With adequate shelving and hanging apparatus, and sewing needs, an attached utility area with adequate space for washer, dryer and sewing capabilities, ironing board etc.

Museum Studies
Page 57:
- The Digital photography lab should be a Graphics/Technology Lab, see pg 60.
- We would like to have two separate classrooms, not shared classrooms. Please provide one classroom with 10 or more computers. The second classroom should be a production space.
- What is the SF of "gallery and storage" spaces?
Page 60:
- Museum Studies will also need a Graphics lab space. Between the Digital Editing needs and exhibit design classes.

Theatre

(Notes made after September 7th meeting). Key points were number and size of studios. Three dedicated Theatre Studios are needed and a Black Box Theatre. The size requirements are as follows: 1 large Movement Studio 2000 sq ft. Current Movement Studio is not large enough for Dance and our movement training. The other studios should 1500 sq ft. The size of the Black Box should be increased to a minimum of 2500 sq feet.
We also discussed sprung floors for the Movement Studio and Black Box. Mr. Hodge will provide additional information on floor requirements and standards.

SUMMARY: The following areas need to be addressed for the theatre department facilities to meet minimum requirement for the style of training our students receive at Duke Ellington. It is important to note that our current facilities are far below the minimum standard for a theatre training program. It would not serve us to base any of our decisions on what currently exists. Finally the most important challenge is to imagine the requirements of our training program in the future. That curriculum will include musical theatre and the incorporation of film in the actors training. It is my hope that we can create a theatre wing similar to the design of the current dance department with multiple options for how space is used to serve our students.

Key Concerns/Questions:
SPACE REQUIREMENTS:
1. NUMBER OF STUDIO SPACES- Current proposal has 2 studios and 1 Black Box Theatre Space. We need three studios and 1 Black Box. Theatre training at Duke Ellington is supported by extensive project based learning which means we often need more than four spaces so that students can work in smaller groupings for rehearsals, scene study, monologue work, movement pieces, showcases, cabarets and main stage productions. The Movement Studio should have Ballet bar and mirrors. We aren't clear about the kind of furniture in the studio spaces but everything must be stackable and easily cleared because open space is a priority.
2. STUDIO SPACE SIZE- Current size of Studio Spaces (900) is only slightly bigger than an academic classroom. We need at least one of our studio spaces to be 2000 sq.ft for dance and movement. The two smaller studios need to be bigger I suggest 1500 sq. ft., we would like to base their size on Studio A. The current size of an academic classroom is 800 sq. ft. which isn't enough room for a movement and staging in an acting class.

3. BLACK BOX- We would like to discuss the following: The size of the Black Box Theatre Space which we would like to be larger. At least 2500 sq ft. The floor must be sprung floor similar to our larger movement studio. It makes no sense for students to rehearse on a sprung floor and not perform on one.
The Black Box Theatre/Classroom should have access to rest rooms, dressing rooms, a green room, lobby and handicap access.
4. OFFICE SPACE- Due to the nature of theatre our office doubles as an office space for teachers and production staff. We would like to increase the size of this space to 220 square feet. The same as the size of the student production office.
5. LIBRARY SPACE- Access to scripts and research materials are critical to theatre students. We need a small secure space for scripts, text books and reference materials. This is one of the most important elements currently unavailable to our students. It would perfect if this room could hold four to five students. It could also double as a practice room.
6. PRACTICE ROOMS- Where do students work when they are rehearsing individual scenes and monologues? They currently use the hallways. Can we create at least two practice rooms and other areas that could allow for our students to work in smaller groups? A typical scene study class would need 4-5 areas for students to practice without interfering with each other.
7. SHARED CLASSROOM SPACE- Making an academic classroom work for a theatre class is almost impossible to do. This room should be a designated theatre space that can double as an academic space. It is much easier for an academic teacher to adapt to our space which will always be designed to create space when students are working on their feet.
8. CHANGING AREA/LOCKER ROOMS- Our students are required to change each day into uniforms which allow them to move easily in movement, dance, speech and acting classes. Locker rooms or changing areas are needed. Students currently have no place to change other than the school restrooms.
9. MUSICAL THEATRE- We envision a musical theatre component to our training in the future. Not sure how to address this but we will need pianos for at least two of our spaces. Size of our studios may also be an issue we should address.
CLOSING COMMENTS:
Hopefully these comments will help our upcoming discussion. There is a lot to think about so thanks in advance for you guidance and help.
Ken Johnson
Theatre Department, Chair

English
Could we please ask if the academic classrooms could add magnetic marker boards (white boards)?

Science
I had a few general thoughts first:

- This sure seems like a lot of "office" space in here....
- I didn't see any academic computer lab. The redesign for the media center only had 8 computers. I think the academic teachers had said that 2 labs would be ideal as the English teachers would like to use one in heavy rotation and that leaves one for the rest of us to share.

In terms of things specific to science:

- Unless I missed it, I didn't see gas outlets mentioned in the lab specs. I just want to make sure that in addition to sinks and water, we finally get gas. With master valve switch cut-offs.

- The Science Prep/Chemical storage rooms did not actually mention having flammable and chemical safe cabinets for chemical storage. We need 1 flammables and 3 chemical storage cabinets. Preferably with locks for security.
- I am concerned about having the science prep areas between classrooms and only accessible from classrooms. This will lead us to have to divide up supplies again and only being able to access what is in the prep area off our own room as we do not have keys to each other's classrooms. We would prefer 1 larger prep room, accessible from the hall, with a separate chemical storage room off of that prep room. This increases our access and the security of the chemicals.
- The lab rooms are described as having marker boards with grids. I had these at CHEC after their remodel and they were unnecessary. We lost valuable board space to these graphing boards. We would prefer to have plain white boards.
- I just want to verify that the lab rooms will also have interactive boards as we all know those will be our teaching rooms.
- I know OSHA regs and DC regs limit lab spaces to 24 students, but the reality is we have many more students than that. The square footage in these rooms does not seem to be able to accommodate more students if we need to put them in there. So we either need to make a slightly bigger room, or we need more than 4 lab rooms to accommodate all of the students we have to teach. More rooms would also mean more staff required to keep us at the 24 student cap. Right now I am trying to imagine my 34 students in that little space and it makes me cringe.
- I am also concerned about the computer stations in the lab. I know the intention is to provide probeware that runs on the computers for labs, but my experience is that those are never provided and then we have computers next to sinks which is never a good idea. Instead of computers and probeware, the move now is to small handheld units with probes. These are both cheaper and smaller than computers, as well as portable for say outside environmental science labs. We would also only need 1 set of these that we could move to different labs depending on which teacher wanted to use them that day. Much more specialized than your standard beakers and glassware that we need lots of. We would rather free up lab bench space for work and take the computers out (to say an actual computer lab where we could have all the students at their own computer running a virtual lab!).

That's what I have so far. Please, please, please include me as much as possible because I have been in too many poorly laid out science class spaces because the designers and project managers have no idea what we actually do :)

World Languages

When we met with the DCPS properties person, I made a request to equip WL classroom with Smartboards. If DCPS is serious about making WL students achieve fluency this resource is a first step toward that goal. It would : 1) give us easy access to cultural and communicative resources; 2) allow students to interact with foreign students who speak the language they are studying through skype; and 3) easy access to textbook online when DCPS adopts WL textbooks in the near future. I saw how helpful a tool it is when I visited a WL classroom at the Alliance Francaise.

Special Education

Concerning the Special Education's Department specs, please make sure that there is one classroom for teaching (see page 6) and also space designated for both the School Psychologist and Clinical Social Worker (see page 10).

Concerning the Staff Break room (p. 141-142), the only kitchen-related items are a microwave and refrigerator. Any possibility we can get a stocked kitchen (pots, pans, plates, etc) a sink and a stove?

Ellington Fund & Business Offices

Gave it a quick look over and do have a few comments...

- Business Manager vs Comptroller -- Comptroller position doesn't exist in other DCPS schools, whereas DCPS is accustomed to the Business Manger position. Ideally these offices at Ellington (as well as that of the Finance Officer - Pat) should be in close proximity due to close working relationship. Historically, we've also wanted them all close to the Fund as all are heavy-finance related...
    - I note the Business Manager is located within the Administration space, while it appears the Comptroller and Finance Officer are included in the #'s for the Fund's space. If these are in close proximity, fine. But looks to me as though DCPS has put the Business Manager in the Admin space based on their typical arrangements, ignoring Ellington being anything but typical.
    - The document notes "the business manager will have the school vault in his or her office." Again, typical DCPS setup in our non-typical environment. I have our safe in my office and would prefer to keep it that way.
- I may have missed something in the quickness of my review, but I didn't see specific office provisions covering our Deans/Directors (Arts, Academics, Students)? [e.g. - Student Services area enumerates all positions BUT Director]
- p 6, in table
    - Science/Health 5 rooms x 20 students should be 100 capacity, not 120 as listed
    - Phys Ed 2 rooms x 40 students should be 80 capacity, not 40 as listed