

Chapter 6: High School

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	H-BS-7	<i>Storage Area</i>
	H-BS-8	<i>Central Storage Area</i>
	H-BS-9	<i>Loading/Receiving Area</i>
	H-BS-10	<i>Restroom</i>
	H-BS-11	<i>Recycling Room</i>

PURPOSE	The purpose of this Chapter is to provide the school district and the Design Professional with the guidelines and relationships for the High School spaces identified in Chapter 2: Bracketing.
INTRODUCTION	<p>This Chapter begins with an overall building diagram showing how the various areas of a school could be arranged. The diagram is meant only to demonstrate the relationships between various parts of the building.</p> <p>Along with the overall building diagram, there are various program area diagrams throughout this chapter which demonstrate how specific spaces may relate to each other within a particular program area.</p>
NO SMOKING SIGNS	As required by the Ohio Revised Code, post “No Smoking” signs at every entrance door into the building. If a door is for exit only, there is no need for a sign. Post the signs on entrance glass or other appropriate surface. Signs shall contain a telephone number for reporting violations. (866/559-6446)
DIAGRAM	Diagrams of the space have been developed to show how some of the features and loose furnishings may be organized. The space is not required to be designed in the configuration shown.
PROGRAM ACTIVITIES	Program activities indicate the type of activities that may occur in the space. These activities will vary from school district to school district depending on the educational program.
SPATIAL RELATIONSHIPS	Relationships of a particular room to other spaces and activities have been identified to assist the Design Professional in the design of the facility.
ENVIRONMENTAL CONSIDERATIONS	Environmental considerations are items that may affect the educational program. They are the basis of some the requirements of Finishes, Features, Plumbing, HVAC, Electrical, and Technology.
FINISHES	The finishes stated for the spaces have been developed based on the function of the room. The spaces adjacent to the room or a building system may change the finishes stated. For example, it may be necessary to change a gypsum wallboard partition to a concrete masonry wall as a result of the structural system.
OPERABLE WINDOWS	<i>Operable windows are optional in exterior window fenestration.</i>

INTRODUCTION

CHAPTER 6: HIGH SCHOOL

LOOSE FURNISHINGS

Loose furnishings are to be funded by the Ohio School Facilities Commission. The loose furnishings requirements are to be coordinated with the district's educational program. As an example, some spaces may require tables with student chairs and other spaces may require student desks with chairs.

- * The intent of the loose furnishings shown on the space plates is not necessarily to be all-inclusive of furniture options or mandate items which may not be needed in a particular district, but rather to provide a general concept of how a particular space could be laid out. Some items listed as loose furnishings could be provided as fixed casework and items listed as fixed casework, if appropriate, could be provided as loose furnishings depending on the building design and types of technology used. Construction and loose furnishings budgets should be coordinated appropriately.

FEATURES

Features identified on the space plates are recommended for these rooms. These features include Fixed Items, Plumbing, Heating, Ventilating and Air Conditioning, Electrical, and Technology systems as well as Miscellaneous Items. Exact sizes of items may need to be modified slightly to interface with the exact size and proportions of the actual space.

Casework and Visual Display Boards should reflect the needs of the district's educational program. The intent of this list is not to mandate casework or visual display boards that may not be needed by a particular district, but rather to be used as a guideline for items that are generally used in this type of space. Some items listed as "fixed casework" could also be provided by mobile casework or loose furnishings if appropriate. Construction and loose furnishings budgets should then be adjusted appropriately.

AREA

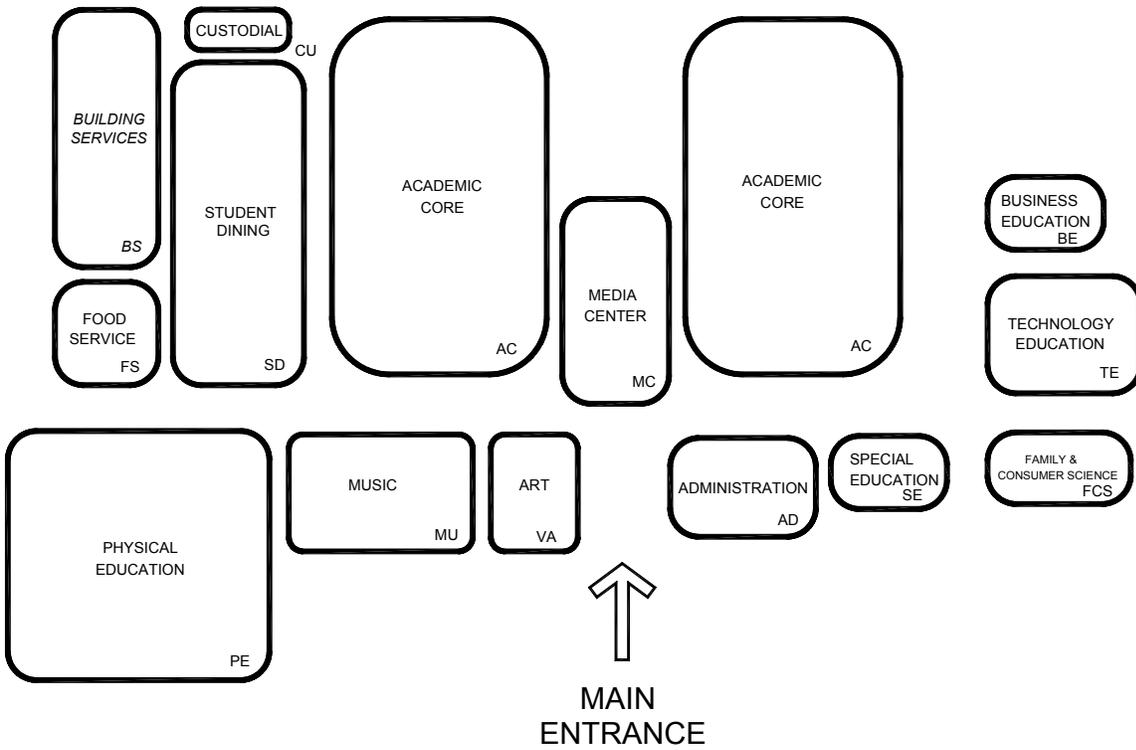
Square foot area given for the room is the necessary area. This area is given in net square feet – defined as the area within the walls of the room.

TECHNOLOGY

The location of overhead projectors in ceilings of spaces where required shall be carefully determined in relation to the projection surface. Provide a data drop next to the overhead projector for network connection. See spec 274119. Provide additional A/V connections at teacher workstation to allow connection of computer outputs, etc., that interfaces with the projector. See spec 271543. **Optional to provide data drop in classrooms. For extended learning areas (ELA), access to the data network is required.**

LIGHTING

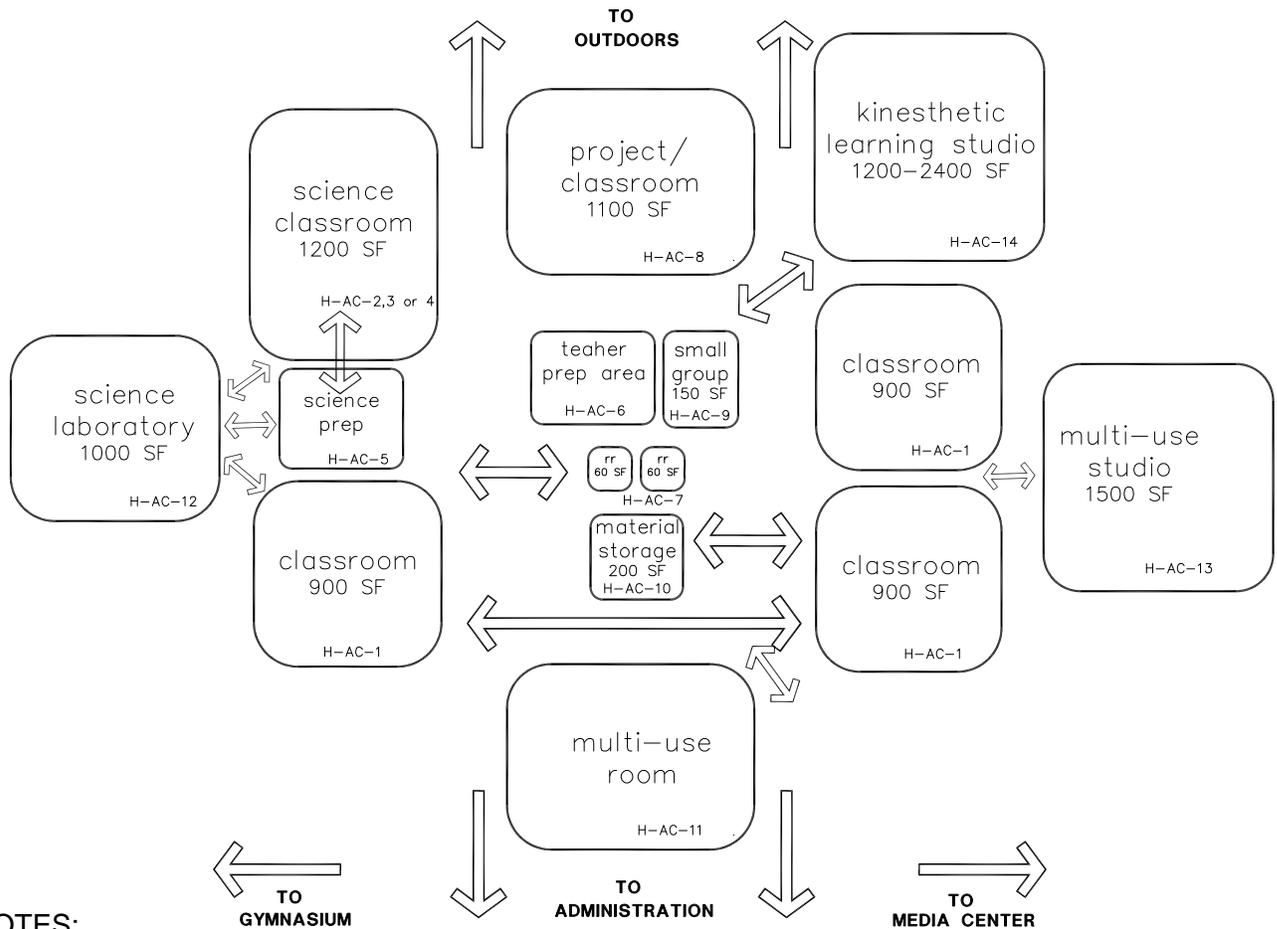
Interior lighting shall be controlled by occupancy sensors, automatic timed lighting controlled system or a combination of both to comply with ASHRAE 90.1. Exterior lighting shall be controlled by photosensor or astronomical time clock to comply with ASHRAE 90.1 to automatically turn lighting off when sufficient daylight is available.



NOTES:

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

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NOTES:

This is an example of how the academic core spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various spaces of this area.

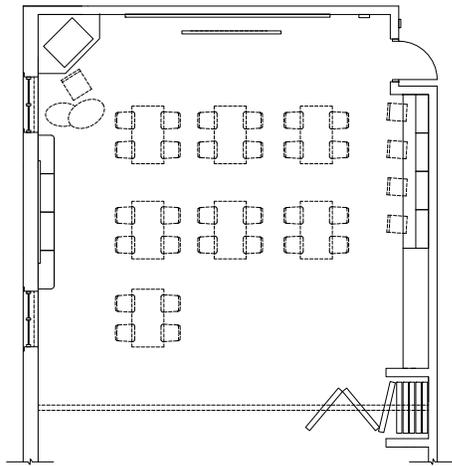
Following are the Academic Core space plates:

- H-AC-1 High School Classroom
- H-AC-2 Science Classroom - General/Physics
- H-AC-3 Science Classroom - Chemistry
- H-AC-4 Science Classroom - Biology
- H-AC-5 Science Prep
- H-AC-6 Teacher Prep Area/Workroom
- H-AC-7 Individual Restroom
- H-AC-8 Project/Classroom
- H-AC-9 Small Group Room
- H-AC-10 Instructional Material Storage
- H-AC-11 Multi-use Room
- H-AC-12 Science Laboratory**
- H-AC-13 Multi-Use Studio**
- H-AC-14 Kinesthetic Learning Studio**

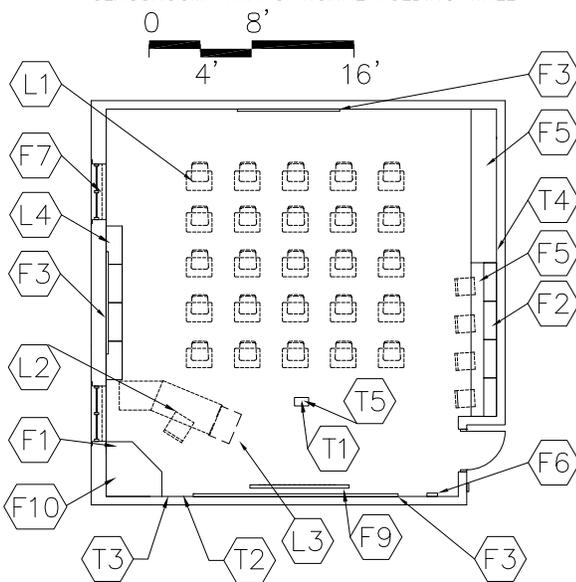
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HIGH SCHOOL CLASSROOM H-AC-1

CHAPTER 6: HIGH SCHOOL



CLASSROOM WITH OPTIONAL FOLDING WALL



TYPICAL CLASSROOM

CAPACITY: 25 students
 SIZE: 900 SF

PROGRAM ACTIVITIES:

- Large group, small group, and individual instruction
- Group and individual work
- Demonstrations
- Accommodates any of the core academic disciplines

SPATIAL RELATIONSHIPS:

- Near other academic core classrooms
- Proximity to large group restrooms
- Near teacher prep area/workroom
- Classrooms should be located in academic "zone" that is away from noisy or public activities
- Classrooms with access to media center and administrative services
- Flexibility of space

ENVIRONMENTAL CONSIDERATIONS:

- **Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.**
Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control -
 wall **only** minimum STC 45
 ceiling minimum CAC 35, NRC 0.70

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.

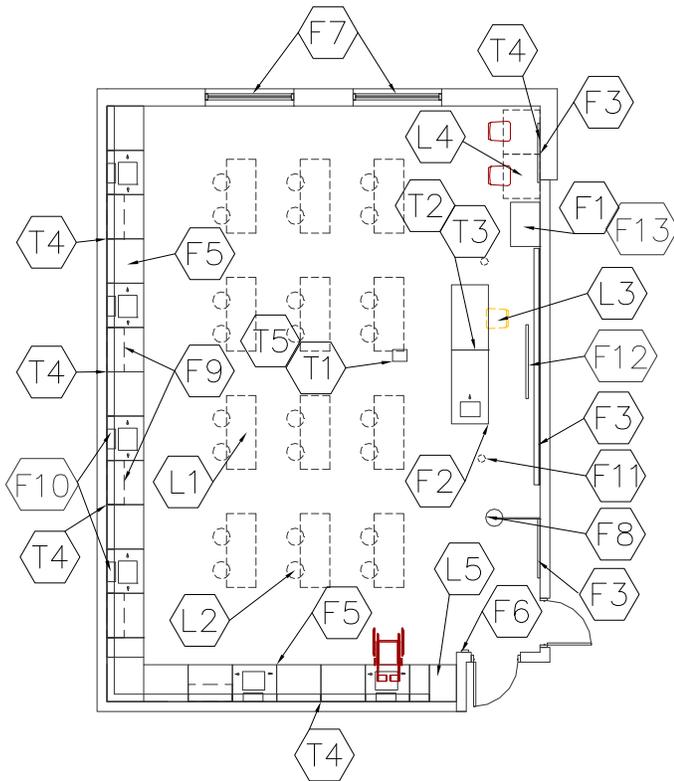
**HIGH SCHOOL CLASSROOM
H-AC-1**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, carpet tile	096816	F1 Tall wardrobe with file drawers	123550
Optional: linoleum, ET, sheet vinyl, or rubber	096516 096500 096813	F2 Computer work surface (could be loose)	123550
		F3 20'-32' combination chalk/marker board, tack board and tackable wall surface	101100
<u>Base:</u>		F4 Reserved	
Resilient base	096500	F5 18'-24' combination base and wall cabinets	123550
<u>Ceiling:</u>		F6 Pencil sharpener support (optional)	062000
Suspended, acoustical	095113	F7 Windows with integral blinds	085113
<u>Walls:</u>		F8 Reserved	
Painted concrete masonry units	042000/099100	F9 Projection screen (optional)	115213
		F10 Technology support casework	123550
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Student desks and chairs		Fire suppression system	211000
L2 Teacher desk or workstation/computer support and chair		<u>Plumbing:</u>	
L3 File cabinet		N/A	
L4 9' of low bookcases (fixed or mobile)		<u>HVAC:</u>	
Wastebasket		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near teacher workstation	271513
		T4 4 data ports (minimum) for classroom technology	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
Pencil sharpener			
M1 Operable partitions between classrooms are optional	02226		

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
3. Where appropriate, some casework may be mobile to add flexibility and could become part of the loose furnishings.



CAPACITY: 24 - 28 students
 SIZE: 1,200 SF
 ANCILLARY SPACES: Science Prep
 H-AC-5

PROGRAM ACTIVITIES:

- Large group, small group, and individual instruction
- Group and individual work
- Laboratory experimentation
- Data collection and analysis
- Demonstrations
- Project work

SPATIAL RELATIONSHIPS:

- Near other science classrooms
- Adjacent to science prep room
- Classrooms located in academic "zone" that is away from noisy or public activities
- Classrooms with access to media center and administrative services
- Proximity to large group restrooms
- Flexibility of space

ENVIRONMENTAL CONSIDERATIONS:

- **Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.**
Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control -
 wall **only** minimum STC **45**
 ceiling minimum CAC 35, NRC 0.70
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.
4. The layouts shown do not restrict or reflect the variety of arrangements available to the Design Professional.

**SCIENCE CLASSROOM - GENERAL/PHYSICS
H-AC-2**

CHAPTER 6: HIGH SCHOOL

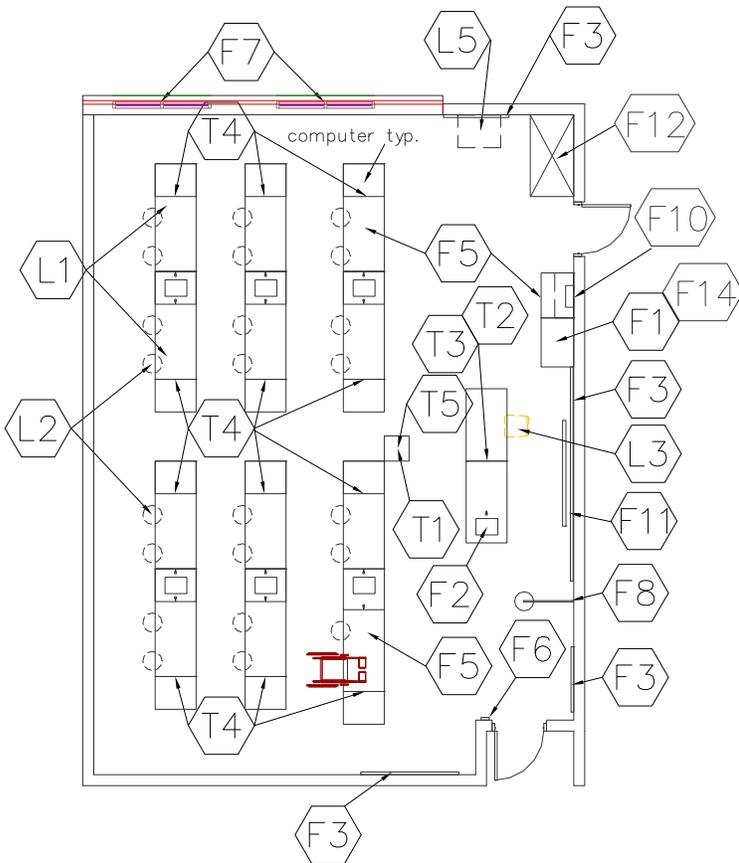
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum,	096500	F1 Tall wardrobe with file drawers	123553
rubber, ET, sheet vinyl,	096516	F2 Demonstration table/teacher desk	123553
polished concrete finishing, or	033510	F3 20'-32' combination chalk/marker board, tack board and tackable wall surface	101100
colored concrete finishing	033519	F4 Reserved	
<u>Base:</u>		F5 40'-60' of lab casework with sinks	123553
Resilient base	096500	F6 Pencil sharpener support (optional)	062000
<u>Ceiling:</u>		F7 Windows with integral blinds	085113
Suspended, acoustical	095113	F8 Emergency shower/eyewash	224000
<u>Walls:</u>		F9 18'-24' of wall cabinets	123553
Painted concrete masonry units	042000/099100	F10 Towel dispensers (optional)	102813
		F11 2 eye hooks for demonstrations(optional)	055000
		F12 Projection screen (optional)	115213
		F13 Technology support casework	123553
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
		<u>Plumbing:</u>	
		Plumbing connections	224000/221116/221119
		Emergency shower/eyewash connections	224000
		Gas connections (optional)	226313
		Master shutoff for gas	226313
		Compressed air connections(optional)	221500
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
		Manual exhaust	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		Duplex receptacles at perimeter workstations and teaching wall	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting	265100
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port at demonstration table	271513
		T4 4 data ports (minimum) for classroom technology	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>LOOSE FURNISHINGS:</u>			
L1 Student work tables			
L2 Student stools/chairs			
L3 Teacher chair or stool			
L4 Computer workstation furniture			
L5 File cabinet			
Wastebasket			
L4 could be fixed casework.			
<u>Miscellaneous:</u>			
Pencil sharpener (optional)			

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
3. Master gas shutoff valve shall be clearly labeled, easily accessible, and immediately operable by staff.

SCIENCE CLASSROOM- CHEMISTRY H-AC-3

CHAPTER 6: HIGH SCHOOL



CAPACITY: 24 - 28 students
SIZE: 1,200 SF
ANCILLARY SPACES: Science Prep
 H-AC-5

PROGRAM ACTIVITIES:

- Large group, small group, and individual instruction
- Group and individual work
- Laboratory experimentation
- Data collection and analysis
- Demonstrations
- Project work

SPATIAL RELATIONSHIPS:

- Near other science classrooms
- Adjacent to science prep room
- Classrooms located in academic "zone" that is away from noisy or public activities
- Classrooms with access to media center and administrative services
- Proximity to large group restrooms
- Flexibility of space

ENVIRONMENTAL CONSIDERATIONS:

- **Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.**
Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control -
 wall **only** minimum STC 45
 ceiling minimum CAC 35, NRC 0.70
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.
4. The layouts shown do not restrict or reflect the variety of arrangements available to the Design Professional.

**SCIENCE CLASSROOM - CHEMISTRY
H-AC-3**

CHAPTER 6: HIGH SCHOOL

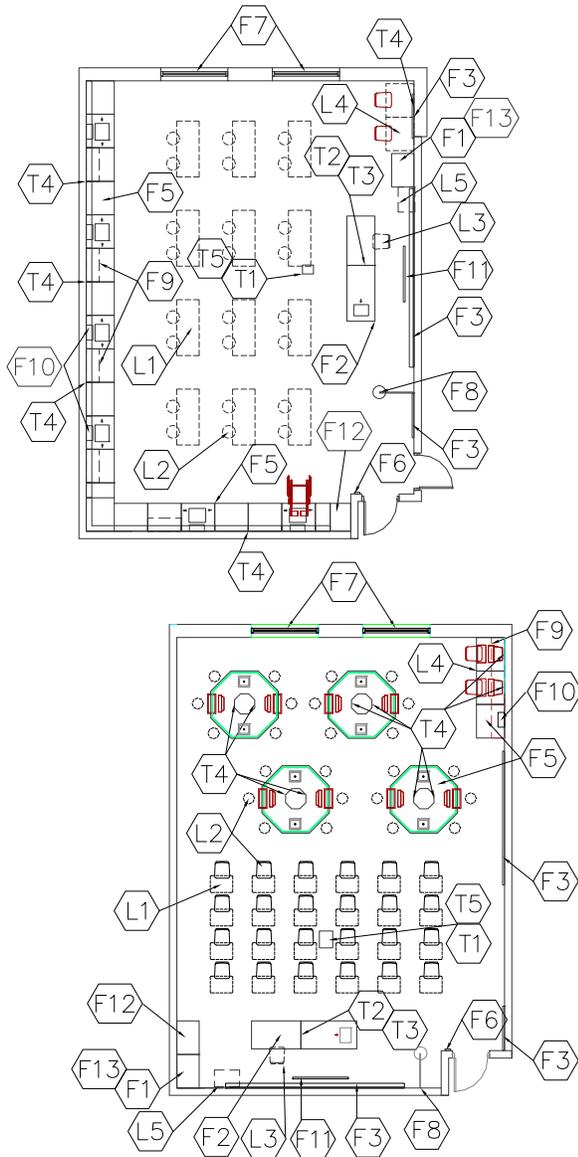
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Vinyl sheet flooring, linoleum, rubber, ET,	096500	F1 Tall wardrobe with file drawers	123553
polished concrete finishing, or colored concrete finishing	096516 033510 033519	F2 Demonstration table/teacher desk	123553
		F3 20'-32' combination chalk/marker board, tack board and tackable wall surface	101100
		F4 Reserved	
		F5 40'-60' lab casework with sinks	123553
		F6 Pencil sharpener support (optional)	062000
<u>Base:</u>		F7 Windows with integral blinds	085113
Resilient base	096500	F8 Emergency shower/eyewash	224000
		F9 18'-24' of wall cabinets (optional)	123553
<u>Ceiling:</u>		F10 Towel dispensers (optional)	102813
Suspended, acoustical	095113	F11 Projection screen (optional)	115213
		F12 Fume hood	115313
<u>Walls:</u>		F13 Tall cabinet for microscopes(optional)	123550
Painted concrete masonry units	042000/099100	F14 Technology support casework	123550
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
		<u>Plumbing:</u>	
		Plumbing connections 224000/221116/221119	
		Emergency shower/eyewash connections 224000	
		Master shut-off for gas 226313	
		Gas connections 226313	
		Compressed air connections (optional) 221500	
		Acid waste piping 221316	
		Neutralization tank 221323	
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temp control	230923
		Manual exhaust	Div. 23
		Exhaust for fume hood	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		Duplex receptacles at perimeter workstations and teaching wall	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting	265100
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		<u>Communications:</u>	
		T1 1 video port	271533/271543
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		T3 1 data port at demonstration table	271513
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		Central sound system	275123
		Clock	275313
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
		Pencil sharpener (optional)	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
3. Master gas shutoff valve shall be clearly labeled, easily accessible, and immediately operable by staff.

SCIENCE CLASSROOM - BIOLOGY H-AC-4

CHAPTER 6: HIGH SCHOOL



CAPACITY: 24 - 28 students
 SIZE: 1,200 SF
 ANCILLARY SPACES: Science Prep
 H-AC-5

PROGRAM ACTIVITIES:

- Large group, small group, and individual instruction
- Group and individual work
- Laboratory experimentation
- Data collection and analysis
- Demonstrations
- Project work

SPATIAL RELATIONSHIPS:

- Near other science classrooms
- Adjacent to science prep room
- Classrooms located in academic “zone” that is away from noisy or public activities
- Classrooms with access to media center and administrative services
- Proximity to large group restrooms
- Flexibility of space
- Appropriate exterior exposure for “grow” window

ENVIRONMENTAL CONSIDERATIONS:

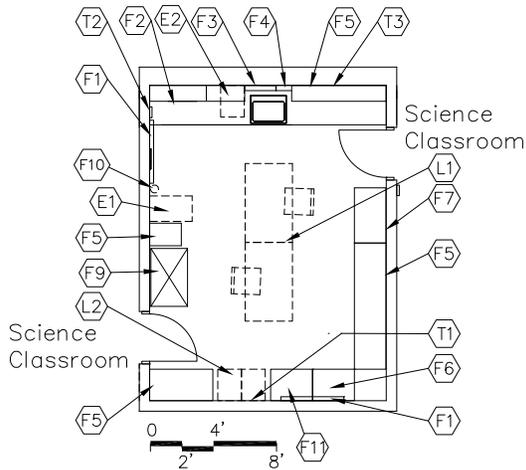
- **Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.**
Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control -
 wall **only** minimum STC 45
 ceiling minimum CAC 35, NRC 0.70
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

NOTES:

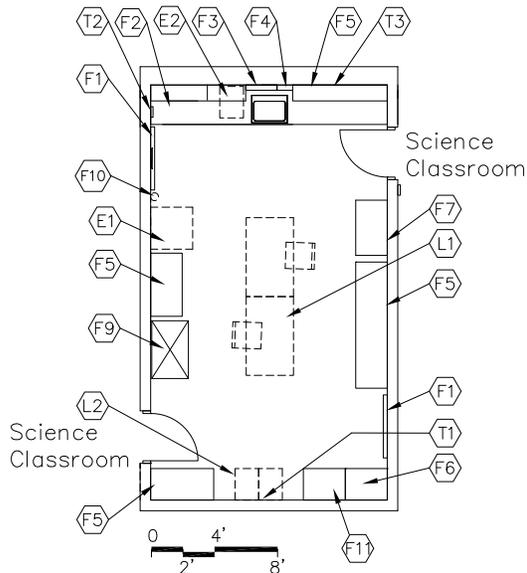
1. Loose furnishings shown represent two of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.
4. Option: small, bay window-type, pre-manufactured greenhouse.
 No additional square footage allowed.
5. The layouts shown do not restrict or reflect the variety of arrangements available to the Design Professional.

**SCIENCE PREP
H-AC-5**
CHAPTER 6: HIGH SCHOOL

300 SF



400 SF



CAPACITY: 1-3 Staff
SIZE: 300-400 SF
ANCILLARY SPACES: Science Classrooms
 H-AC-2, H-AC-3, H-AC-4

PROGRAM ACTIVITIES:

- Teacher preparation
- Materials storage
- Laboratory experimentation
- Data collection and analysis
- Small group work

SPATIAL RELATIONSHIPS:

- Adjacent to science classrooms
- Shared by more than one science classroom
- Grouped with and have access to other classrooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this science prep room or could be placed in a teacher prep area/workroom.
4. A separate chemical storage room may be created from the science prep room square footage.

**SCIENCE PREP
H-AC-5**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES¹:</u>	<u>Spec. Ref.#</u>
<u>Flooring:</u>		<u>Fixed Items:</u>	
Vinyl sheet flooring, linoleum,	096516	F1 4' of tack board	101100
rubber, ET,	096500	F2 8'-15' of lab station with sink	123553
polished concrete finishing, or	033510	F3 Drying rack with pegs (optional)	123553
colored concrete finishing	033519	F4 Towel dispenser (optional)	102813
		F5 16'-31' combination wall cabinets and tall cabinets	123553
<u>Base:</u>		F6 Storage cabinets for acids, Ventilated (optional)	123553
Resilient base	096500	F7 Storage cabinets for flammables(optional)	123553
<u>Ceiling:</u>		F8 Reserved	
Suspended, acoustical	095113	F9 Fume hood (optional)	123553
<u>Walls:</u>		F10 Emergency eyewash (if applicable)	224000
Painted concrete masonry units	042000/099100	F11 Chemical storage cabinets with acid resistant lining	123553
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Work tables with chemical-resistant top		Fire suppression system	211000
L2 2 file cabinets		<u>Plumbing:</u>	
Wastebasket		Plumbing connections	224000/221116/221119
<u>EQUIPMENT</u>		Acid waste system	Div. 23
E1 Refrigerator/freezer (optional)		Gas connections	226313
E2 Dishwasher (optional)		Compressed air connections(optional)	221500
		Access to neutralization tank	221323
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
		Manual exhaust	Div. 23
		24 hour exhaust for acid storage cabinet	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle under work tables	262726
		3 duplex receptacles	262726
		Receptacle for refrigerator/freezer	262726
		Double duplex receptacle at each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Fume hood through wall if adjacent to chemistry	

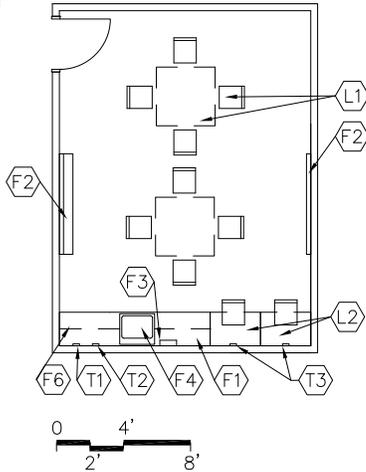
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**TEACHER PREP AREA/WORKROOM
H-AC-6**

CHAPTER 6: HIGH SCHOOL

300 SF



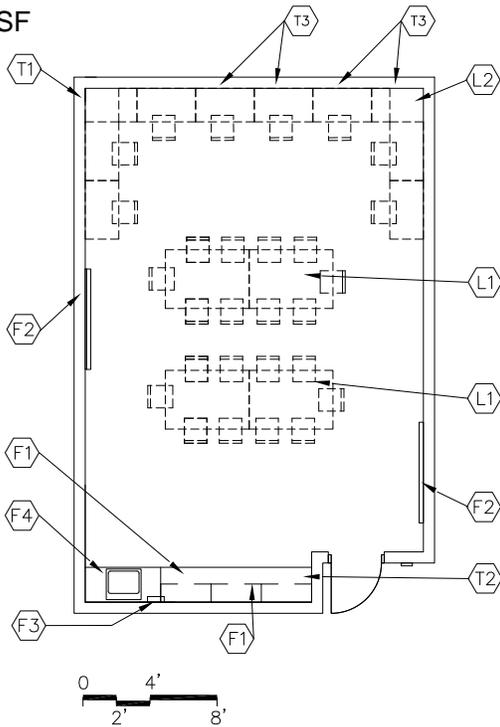
PROGRAM ACTIVITIES:

- Teachers and other staff members hold team meetings and prepare for class
- Professional interaction should be encouraged to improve communication, professional development, and team building.

SPATIAL RELATIONSHIPS:

- Near academic core classrooms
- Near individual restroom
- Near instructional material storage

600 SF



ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70

CAPACITY:
SIZE:

8 - 28 teachers
300 - 600 SF

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be located in this teacher prep area/workroom or could be placed in a classroom

**TEACHER PREP AREA/WORKROOM
H-AC-6**

CHAPTER 6: HIGH SCHOOL

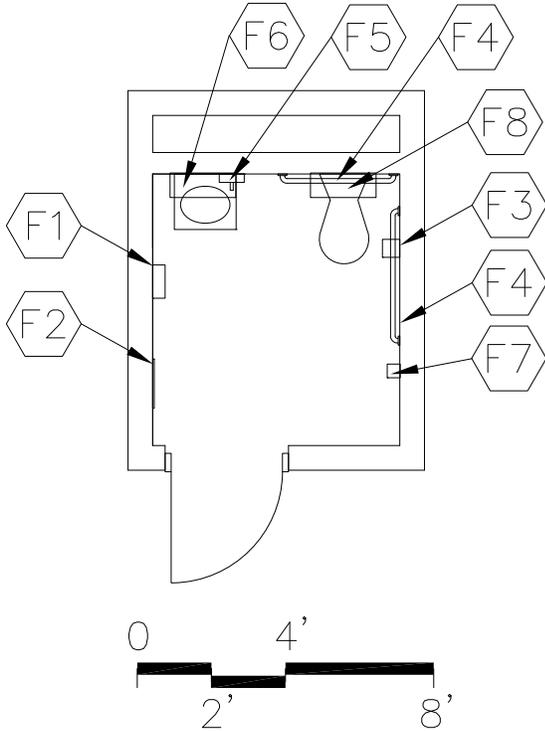
<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> ¹ :	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items</u> ² :	
Carpet, carpet tile, ET, linoleum, vinyl sheet, or rubber	096816 096500 096516 096813	F1 12'-18' combination base & wall cabinets (some could be bookcases)	123550
		F2 10'-16' combination chalk/marker board, tack board & tackable wall surface	101100
<u>Base:</u>		F3 Towel dispenser (optional)	102813
Resilient base	096500	F4 3' sink base cabinet	123550
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression systems	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	Sink	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Tables and chairs		Supply/return air system	Div. 23
L2 Computer workstation furniture		Independent temperature control	230923
Wastebasket		<u>Electrical:</u>	
L2 could be fixed casework.		Single-level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Duplex receptacles for office equipment	262726
		Receptacle for copier(if applicable)	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 2 – 8 data ports near workstations	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Copier by school district	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**INDIVIDUAL RESTROOM
H-AC-7**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Personal and health needs for teachers, staff, and other individuals

SPATIAL RELATIONSHIPS:

- Near academic core classrooms
- Near teacher prep area/workroom

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 48
ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes

CAPACITY: 1 person
 SIZE: **60 SF**

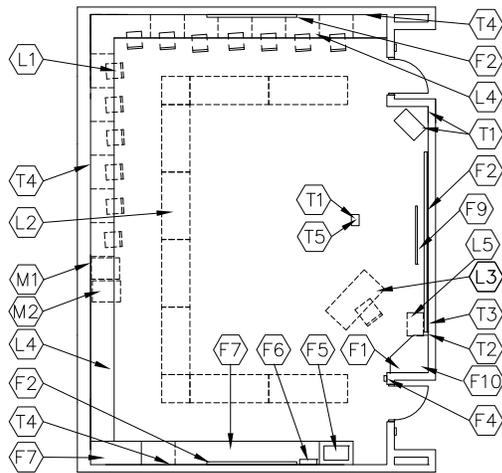
NOTES:

**INDIVIDUAL RESTROOM
H-AC-7**
CHAPTER 6: HIGH SCHOOL

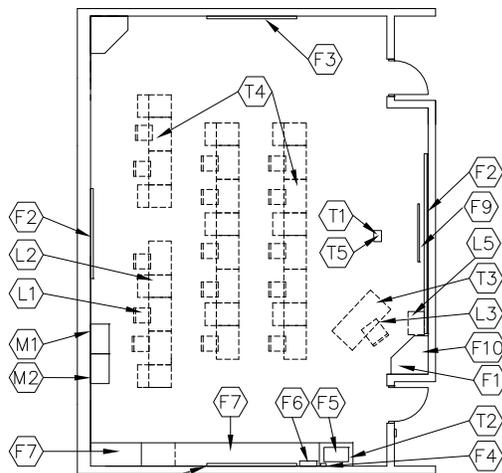
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Linoleum, rubber, ET, or sheet vinyl	096516 096500	F1 Towel dispenser	102813 102813
Optional: Ceramic mosaic tile, porcelain tile, or resinous flooring	093000 096723	F2 24" x 60" mirror	102813
		F3 Toilet tissue holder	102813
		F4 36" and 42" grab bar	102813
		F5 Soap dispenser	102813
		F6 Shelf above sink (optional)	102813
		F7 Coat hook	102813
		F8 Cabinet above toilet (optional)	102813
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Optional: Ceramic mosaic tile, Porcelain tile, resinous flooring, or integral vinyl cove base	093000 096723		
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	Wall-mounted water closet	224000
		Wall-mounted lavatory	224000
		Plumbing connections	224000/221116/221119
Walls:		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
Wastebasket		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

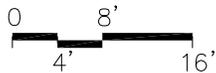
1. Finishes/Features: Refer to Chapter 9 for specification references.



PERIMETER WORKSTATION LAYOUT



FREE-STANDING WORKSTATIONS



CAPACITY: 25 students
 SIZE: 1,100 SF

PROGRAM ACTIVITIES:

- Individual computer instruction
- Group instruction
- Individual project work
- Media production
- Small group meetings

SPATIAL RELATIONSHIPS:

- Near academic core classrooms
- Near large group restrooms
- Near teacher prep area/workroom

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall **only** minimum STC **45**
 ceiling minimum CAC 35, NRC 0.70
- Flexibility of space

NOTES:

1. Loose furnishings shown represent two of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.

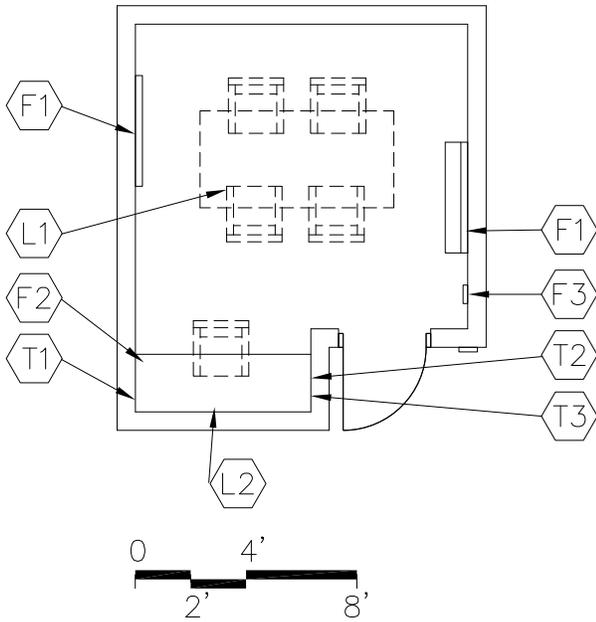
**PROJECT/CLASSROOM
H-AC-8**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, carpet tile	096816	F1 Tall wardrobe with file drawers	123550
Optional: ET, sheet vinyl, linoleum, or rubber	096500 096516 096813	F2 16'-32' combination chalk/marker board, tack board & tackable wall surface	101100
		F3 Reserved	
		F4 Pencil sharpener support (<i>optional</i>)	062000
		F5 3' sink base cabinet (optional)	123550
		F6 Towel dispenser (optional)	102813
		F7 9'-20' combination base and tall cabinets	123550
		F8 Reserved	
		F9 Projection screen (optional)	115213
		F10 Technology support casework	123550
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
		<u>Plumbing:</u>	
		N/A	
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting: Parabolic lenses	265100
		illumination level: See Table 8600-5	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near teacher workstation	271513
		T4 Classroom area network (13 ports minimum)	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>LOOSE FURNISHINGS:</u>			
L1 Student chairs			
L2 Work tables			
L3 Teacher desk or workstation/computer support and chair			
L4 Computer workstation furniture			
L5 File cabinet			
Wastebasket			
L4 could be fixed casework.			
<u>Miscellaneous:</u>			
Pencil sharpener (optional)			
The following items are to be funded by the school district:			
M1 Classroom area network file server			
M2 Printer			

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.



PROGRAM ACTIVITIES:

- Student small group work
- Independent student work
- Small group meetings

SPATIAL RELATIONSHIPS:

- Near academic core classrooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall **only** minimum STC **45**
 ceiling minimum CAC 35, NRC 0.70

CAPACITY: 4 - 5 students
 SIZE: 150 SF

NOTES:

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

**SMALL GROUP ROOM
H-AC-9**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. <u>Ref.#</u>	<u>FEATURES¹:</u>	Spec. <u>Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
ET, sheet vinyl, linoleum, or rubber	096500 096516	F1 8'-12' combination chalk/marker board, tack board & tackable wall surface	101100
Base:		F2 4'-6' of work surface (optional)	123550
Resilient base	096500	F3 Pencil sharpener support (optional)	062000
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Work tables and chairs		Supply/return air system	Div. 23
L2 Computer workstation furniture		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
Wastebasket		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port	271513/ 273123
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window(optional)	081113/088000
		Pencil sharpener (optional)	

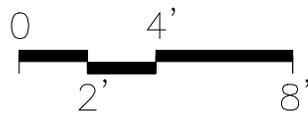
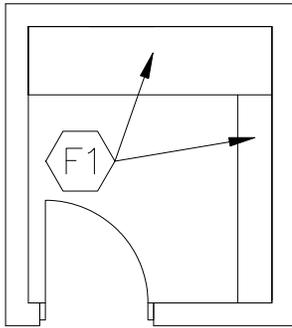
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

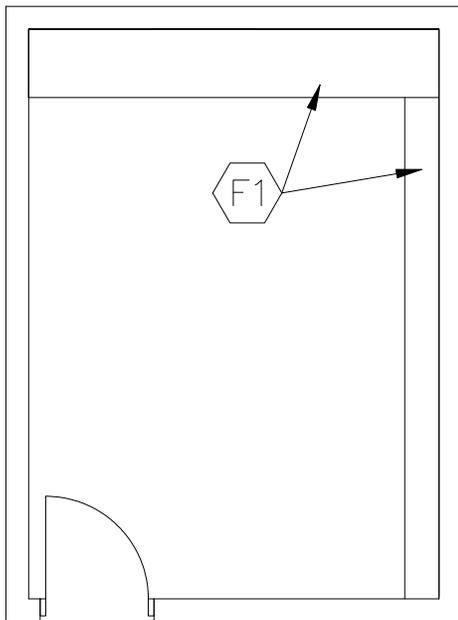
**INSTRUCTIONAL MATERIAL STORAGE
H-AC-10**

CHAPTER 6: HIGH SCHOOL

50 SF



250 SF



PROGRAM ACTIVITIES:

- Storage of supplies, textbooks, and equipment

SPATIAL RELATIONSHIPS:

- Near teacher prep area/workroom

ENVIRONMENTAL CONSIDERATIONS:

N/A

CAPACITY:

N/A

SIZE:

50 - 250 SF

NOTES:

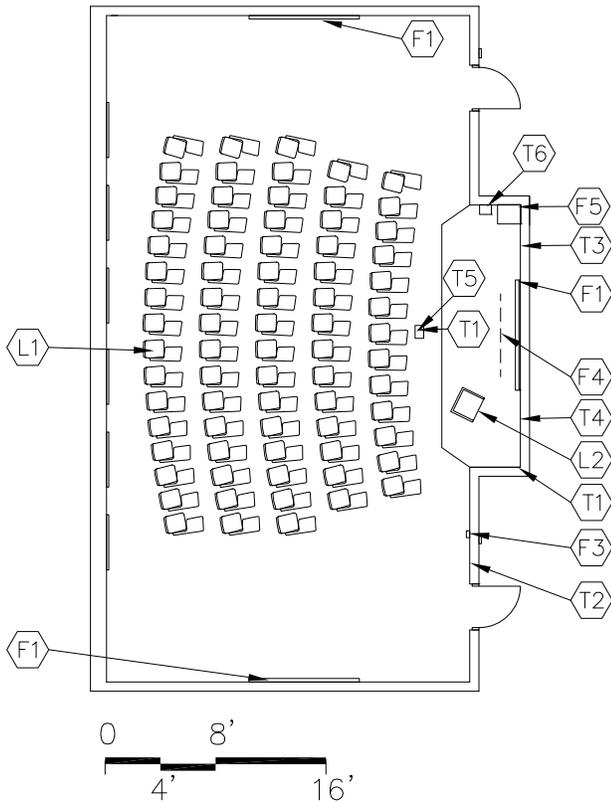
**INSTRUCTIONAL MATERIAL STORAGE
H-AC-10**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Rubber, <i>linoleum, ET, or sheet vinyl</i>	096500 096516	F1 30' of open shelving depths may vary (fixed or loose)	123550
		Option: mobile storage shelving	105626
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted concrete masonry	042000/099100	To be determined by Design Professional Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



PROGRAM ACTIVITIES:

- Group instruction
- Presentations
- Testing
- Community use

SPATIAL RELATIONSHIPS:

- Near academic core classrooms
- Near large group restrooms
- Close to stage to serve as "green" room
- Flexibility of space

ENVIRONMENTAL CONSIDERATIONS:

- **Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.**
Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control -
wall **only** minimum STC 45
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 100 students
SIZE: 1,500 SF

NOTES:

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

**MULTI-USE ROOM
H-AC-11**

CHAPTER 6: HIGH SCHOOL

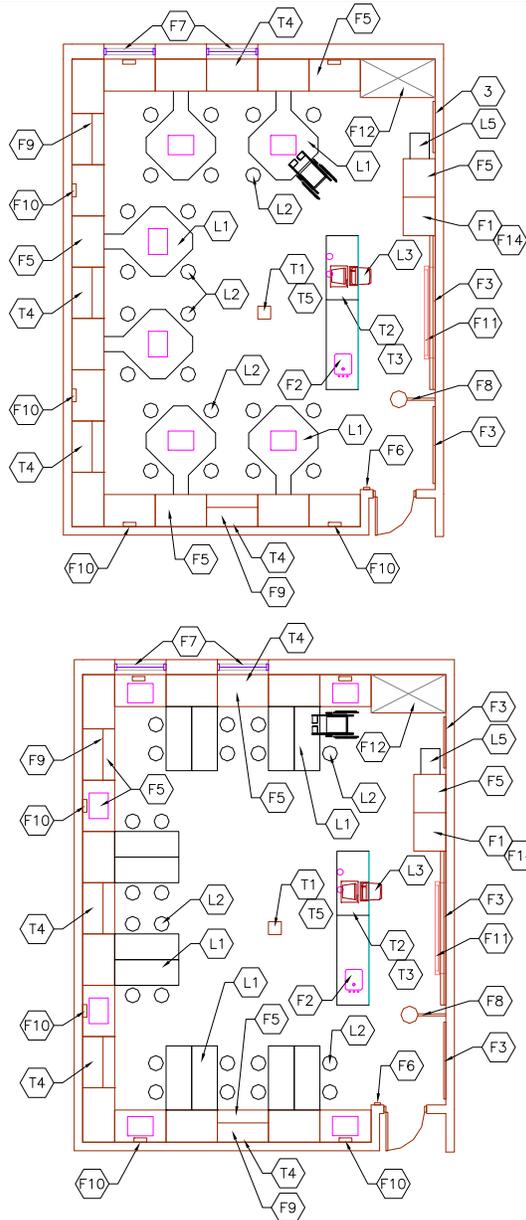
	Spec. Ref.#		Spec. Ref.#
FINISHES¹:		FEATURES¹:	
Flooring:		Fixed Items:	
Carpet, carpet tile, <i>linoleum, rubber, ET, sheet vinyl</i>	096816 096813 096516 096500	F1 16'-28' combination chalk/marker board, tack board & tackable wall surface	101100
Base:		F2 Reserved	
Resilient base	096500	F3 Pencil sharpener support (<i>optional</i>)	062000
Ceiling:		F4 Projection screen (optional)	115213
Suspended, acoustical	095113	F5 Technology support casework	123550
Walls:		Fire Suppression:	
Painted concrete masonry units	042000/099100	Fire suppression system	211000
Acoustical wall treatment	098000	Plumbing:	
		N/A	
		HVAC:	
		Supply/return air system	Div. 23
		Independent temperature control	230923
LOOSE FURNISHINGS:		Electrical:	
L1 Student desks and chairs		Fluorescent lighting:	265100
L2 Podium / console (optional)		Illumination level: See Table 8600-5	
Portable risers		Multilevel switching	262726
Wastebasket		6 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Telecommunications Grounding	270526/260526
		Communications:	
		T1 2 video ports	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port (minimum)	271513
		T4 1 port to input local computer to monitor	271513
		Clock	275313
		Central sound system	275123
		T5 Overhead projector	274119
		T6 Student Dining/Cafeteria sound reinforcement system	275122
		Electronic Safety and Security:	
		Life safety devices per code	283111
		Miscellaneous:	
		Pencil sharpener (optional)	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

SCIENCE LABORATORY H-AC-12

CHAPTER 6: HIGH SCHOOL



CAPACITY: 24 students
 SIZE: 1,000 SF
 ANCILLARY SPACES: Science Classrooms

PROGRAM ACTIVITIES:

- Large group, small group, and individual instruction
- Group and individual work
- Laboratory experimentation
- Data collection and analysis
- Demonstrations
- Project work

SPATIAL RELATIONSHIPS:

- Adjacent to other science classrooms
- Near science prep room

ENVIRONMENTAL CONSIDERATIONS:

- **Required:** View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.
Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control -
 wall **only** minimum STC 45
 ceiling minimum CAC 35, NRC 0.70
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.
4. The layouts shown do not restrict or reflect the variety of arrangements available to the Design Professional.

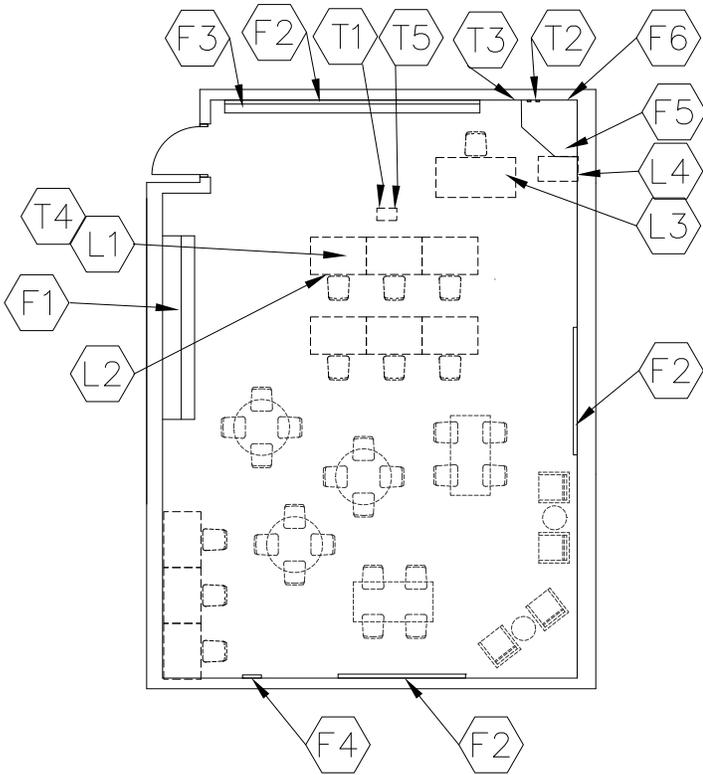
**SCIENCE LABORATORY
H-AC-12**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Vinyl sheet flooring, linoleum, rubber, ET	096500 096516	F1 Tall wardrobe with file drawers	123553
		F2 Demonstration table/teacher desk	123553
		F3 14'-22' combination chalk/marker board, tack board & tackable wall surface	101100
		F4 Reserved	
<u>Base:</u>		F5 40'-60' lab casework with sinks	123553
Resilient base	096500	F6 Pencil sharpener support (optional)	062000
		F7 Windows with integral blinds	085113
<u>Ceiling:</u>		F8 Emergency shower/eyewash	224000
Suspended, acoustical	095113	F9 18'-24' of wall cabinets (optional)	123553
		F10 Towel dispensers (optional)	102813
<u>Walls:</u>		F11 Projection screen (optional)	115213
Painted concrete masonry units	042000/099100	F12 Fume hood	115313
		F13 Tall cabinet for microscopes(optional)	123550
		F14 Technology support casework	123550
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Student work tables		Plumbing connections 224000/221116/221119	
L2 Student stools/chairs		Emergency shower/eyewash connections	224000
L3 Teacher chair or stool		Master shut-off for gas	226313
L4 Computer workstation furniture		Gas connections	226313
L5 File cabinet		Compressed air connections (optional)	221500
Wastebasket		Acid waste piping	221316
		Neutralization tank	221323
L4 Could be fixed casework		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temp control	230923
		Manual exhaust	Div. 23
		Exhaust for fume hood	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		Duplex receptacles at perimeter workstations and teaching wall	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting	265100
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port at demonstration table	271513
		T4 4 data ports (min.) for classroom technology	271513
		Central sound system	275123
		Clock	275313
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
Pencil sharpener (optional)			

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
3. Master gas shutoff valve shall be clearly labeled, easily accessible, and immediately operable by staff.



PROGRAM ACTIVITIES:

- Group instruction and individual work
- Activities include instruction, production, and individual project work
- “Wet / Dry” activities

SPATIAL RELATIONSHIPS:

- Near kinesthetic studio
- Near academic core classrooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall only minimum STC 45
ceiling minimum CAC 35, NRC 0.70

MISCELLANEOUS:

- Due to the changing nature of the activities anticipated, a multi-use studio is to be designed for flexibility of use.

CAPACITY: 25 students
SIZE: 1,500 SF

NOTES:

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

**MULTI-USE STUDIO
H-AC-13**

CHAPTER 6: HIGH SCHOOL

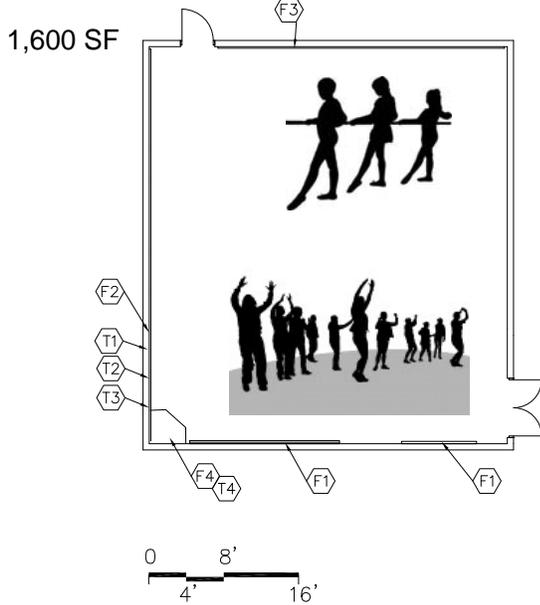
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
ET, sheet vinyl, linoleum, rubber	096500	F1 4'-16' of base & wall cabinets	123550
	096516	F2 18'-28' combination chalk/marker board, tack board, or tackable wall surface	101100
<u>Base:</u>		F3 Projection screen (optional)	115213
Resilient base	096500	F4 Pencil sharpener support (optional)	062000
<u>Ceiling:</u>		F5 Tall wardrobe with file drawers	123550
Suspended, acoustical	095113	F6 Technology support casework	123550
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted concrete masonry units	042000/099100	Fire suppression system	211000
		<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Flexible furniture		Supply/return air system	Div. 23
L2 Student chairs		Independent temperature control	230923
L3 Teacher desk and chair			
L4 File cabinet		<u>Electrical:</u>	
Wastebasket		Fluorescent lighting with parabolic lenses	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		6 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
<u>Miscellaneous:</u>		<u>Communications:</u>	
<i>Pencil sharpener (optional)</i>		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273123
		T3 1 data port near teacher workstation	271513
		T4 Classroom area network (10 ports minimum)	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**KINESTHETIC LEARNING STUDIO
H-AC-14**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

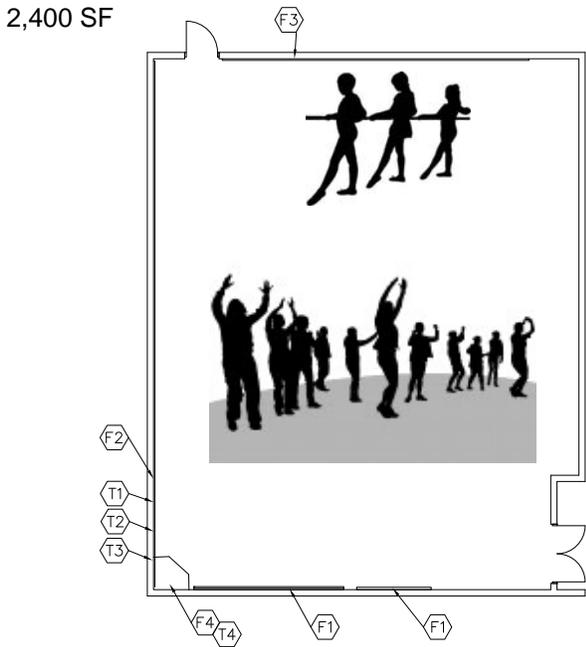
- Gross motor activities
- Dance
- Yoga
- Pilates
- Aerobics
- Gymnastics
- “Movement” activities

SPATIAL RELATIONSHIPS:

- Near multi-use studio
- Near academic core spaces

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall only minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Flexibility of space



CAPACITY: 22-25 students
SIZE: 1,200 – 2,400 SF

NOTES:

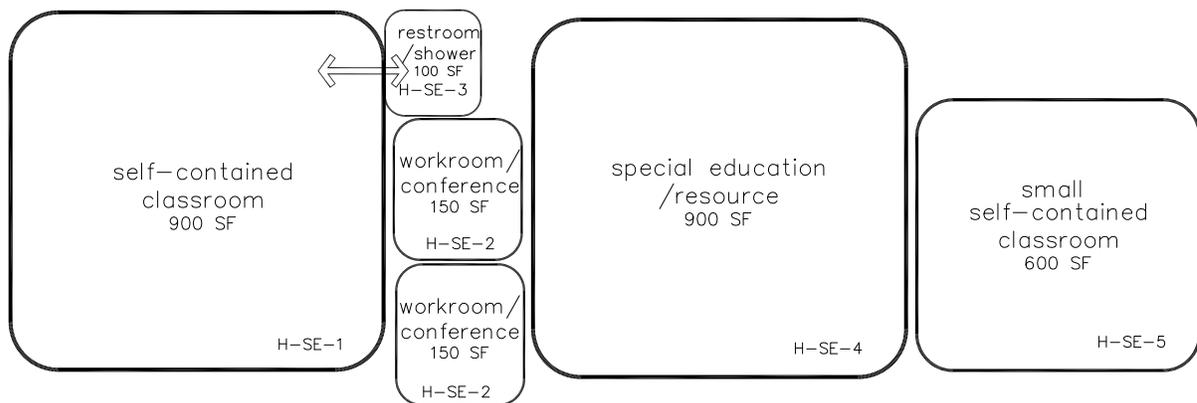
**KINESTHETIC LEARNING STUDIO
H-AC-14**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	<u>Spec. Ref.#</u>	<u>FEATURES:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Items:</u>	
Wood dance floor	096400	F1 8'-24' combination chalk/marker board, tack board, or tackable wall surface	101100
Base:		F2 Mirrors	102813
Resilient base	096500	F3 Dance bars	116615
		F4 Tall wardrobe with file drawers	123550
Ceiling:		<u>Fire Suppression:</u>	
Painted exposed structure	099100	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	N/A	
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		Incandescent lighting (optional)	265100
		Multilevel switching	262726
		Dimmable lighting	262726
		6 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Means of egress lighting	265100
		Emergency lighting per code	265100
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/273123
		T3 1 data port	271513
		Clock	275313
		Central sound system horns	275123
		T4 Combination i-Pod / CD Player unit and Mixer/Amp unit, located in the wardrobe, serving room overhead distributed speakers	
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



NOTES:

This is an example of how the special education spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various spaces of this area.

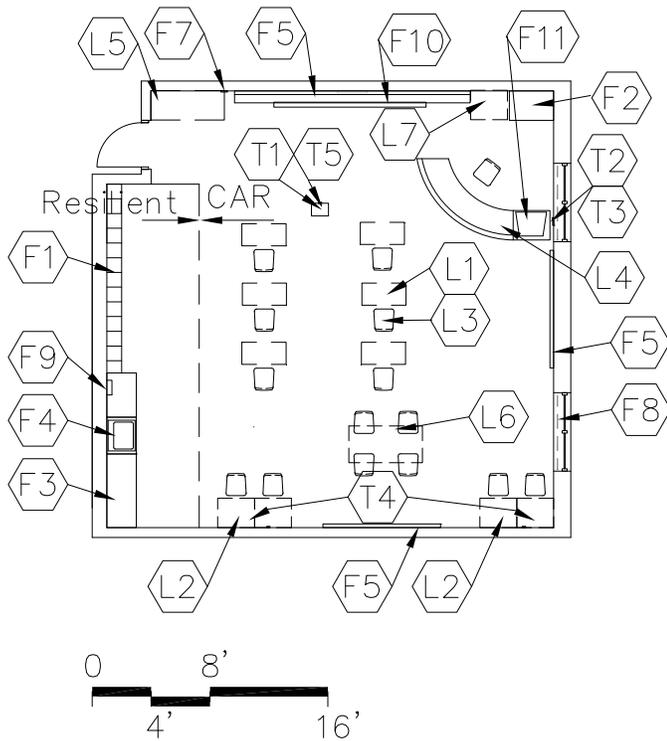
Following are the Special Education space plates:

- H-SE-1 Self-contained Classroom
- H-SE-2 Workroom/Conference
- H-SE-3 Restroom/Shower
- H-SE-4 Special Education/Resource
- H-SE-5 Small Self-contained Classroom

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**SELF-CONTAINED CLASSROOM
H-SE-1**

CHAPTER 6: HIGH SCHOOL



CAPACITY: Based on disability.
See Chapter 1, Section 1110.
SIZE: 900 SF

PROGRAM ACTIVITIES:

- Accommodates students who have special needs and are unable to be included in regular instructional program areas a majority of the school day.
- Activities include, but are not limited to: group and individual work to improve auditory, tactile, visual, kinesthetic and academic skills.

SPATIAL RELATIONSHIPS:

- Near academic core classrooms
- Adjacent to special education restroom/shower

ENVIRONMENTAL CONSIDERATIONS:

- **Required:** *View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.*
- **Recommended:** *Daylighting design with glazing area determined by design solution.*
- Environmental sound control -
wall **only** minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Resilient and stain-resistant floor covering
- Special consideration for wheelchair access and physical accessibility needs (ADA)

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be located in this classroom or could be placed in a workroom/conference area.
3. See Chapter 1, page 1110-16 for specific areas needed for each disability.

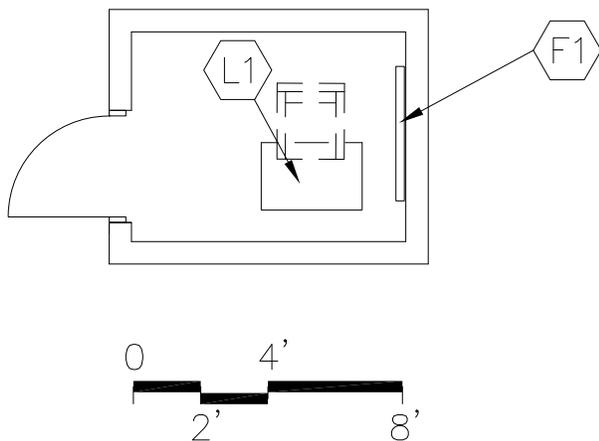
**SELF-CONTAINED CLASSROOM
H-SE-1**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Combination carpet, carpet tile, with resilient options	096816 096500	F1 Open casework – student coats and personal items with wall cabinets above	123550 123550
Optional: All ET, sheet vinyl, linoleum, or rubber	096516 096813	F2 Tall wardrobe w/file drawers	123550
		F3 8'-10' of base & wall cabinets	123550
		F4 3' sink base cabinet	123550
		F5 24'-32' combination chalk/marker board, tack board and tackable wall surface	101100
<u>Base:</u>		F6 Reserved	
Resilient base	096500	F7 Pencil sharpener support (optional)	062000
		F8 Windows with integral blinds	085113
<u>Ceiling:</u>		F9 Towel dispenser (optional)	102813
Suspended, acoustical	095113	F10 Projection screen (optional)	115213
		F11 Technology support casework	123550
<u>Walls:</u>		F12 Mirror (optional)	102813
Painted concrete masonry units	042000/099100	F13 Tall storage cabinet(optional)	123550
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Student desks/tables		Sink with drinking fountain	224000
L2 Computer workstation furniture		Plumbing connections	224000/221116/221119
L3 Student chairs		<u>HVAC:</u>	
L4 Teacher workstations/computer support and chair		Supply/return air system	Div. 23
L5 8'-10' of low bookcases (fixed or mobile)		Independent temperature control	230923
L6 Reading table		<u>Electrical:</u>	
L7 File cabinet		Fluorescent lighting	265100
Wastebasket		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
<u>EQUIPMENT(optional)</u>		<u>Communications:</u>	
E1 Washer and dryer		T1 1 video port	271533/271543
E2 Small refrigerator		T2 1 voice port and phone	271513/273123
E3 Range		T3 1 data port	
E4 Oven		near teacher workstation	271513
E5 Microwave		T4 4 data ports (minimum) for classroom technology	271513
		Clock	275313
		Sound reinforcement system	275127
		Central sound system	275123
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Pencil sharpener (optional)	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**PROGRAM ACTIVITIES:**

- Could be used for emotionally disturbed or other students requiring a quiet individual area.
- Preparation and storage of instructional materials and equipment.

SPATIAL RELATIONSHIPS:

- Close proximity to academic classrooms
- Integral part of self-contained classroom or special education/resource room

ENVIRONMENTAL CONSIDERATIONS:

- Dimmed lighting
- Environmental sound control
wall minimum **STC 45**
ceiling minimum **CAC 35, NRC 0.70**

CAPACITY: 1 - 2 persons
SIZE: 150 SF

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Walls floor to ceiling and an open area for ½ of the fourth wall.
3. See Chapter 1, page 1110-16 for specific areas needed for each disability.

WORKROOM/CONFERENCE**H-SE-2 (Quiet Area)**

CHAPTER 6: HIGH SCHOOL

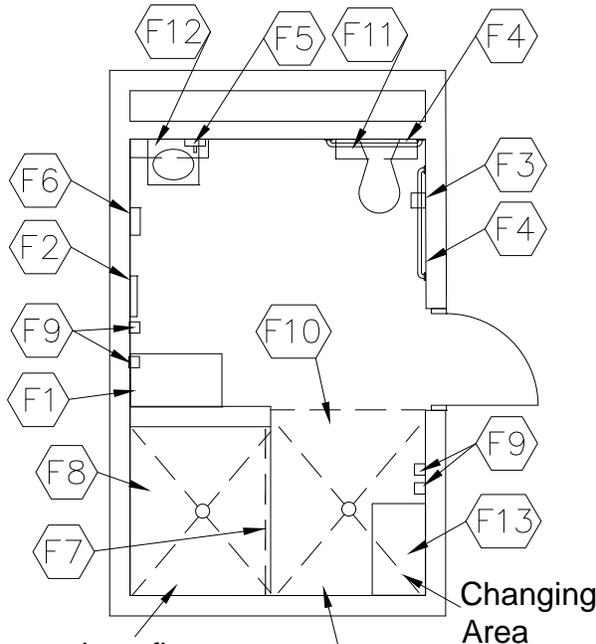
<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> ¹ :	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet, carpet tile , ET, linoleum, or sheet vinyl	096816 096500 096516 096813	F1 4' of tack board (optional)	101100
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Supply/return air system	Div. 23
		Independent temperature control	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Student desk and chair		Dimmable lighting	262726
Wastebasket		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Clock (optional)	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window with blinds (optional)	081113/088000

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**RESTROOM/SHOWER
H-SE-3**

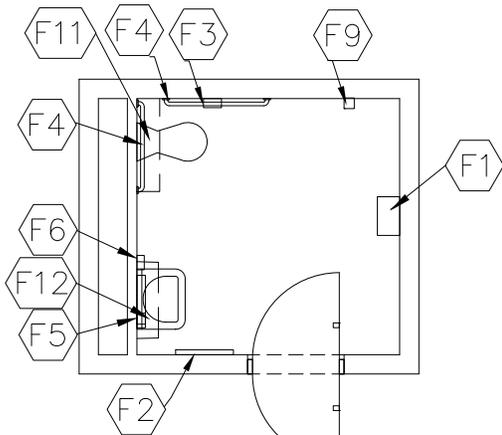
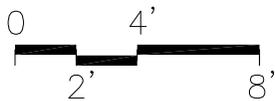
CHAPTER 6: HIGH SCHOOL



Shower-slope floor;
no raised threshold;
5' x 5' for two people

Drying Area;
5' x 5' sloped floor

Changing Area



CAPACITY: 1 - 2 persons
SIZE: 100 SF

PROGRAM ACTIVITIES:

- Changing area
- Toilet / shower needs

SPATIAL RELATIONSHIPS:

- Next to self-contained classroom

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 48
ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes
- Special consideration for wheelchair access
and physical accessibility needs (ADA)

NOTES:

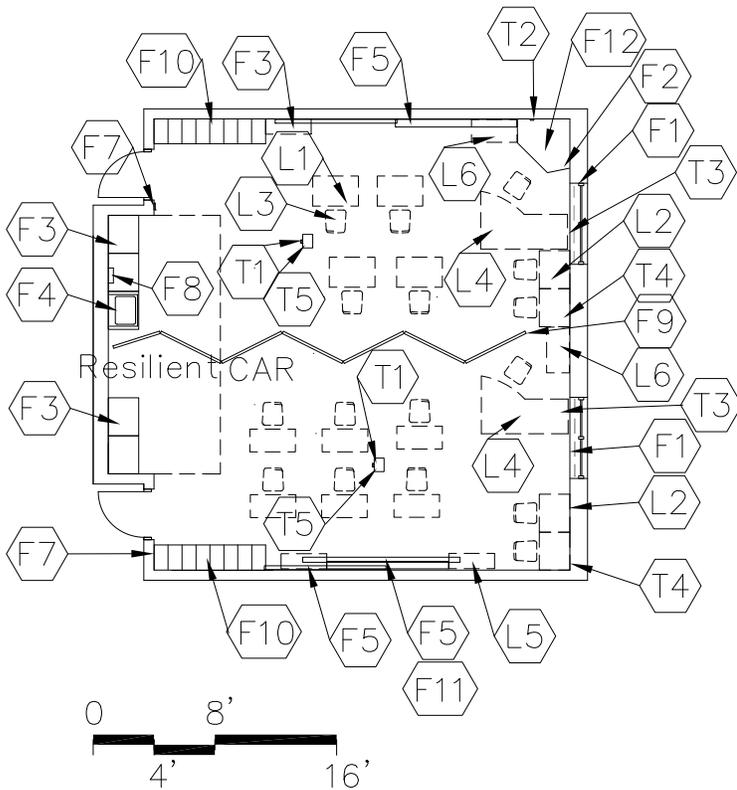
1. See Chapter 1, page 1110-16 for specific areas needed for each disability.

**RESTROOM/SHOWER
H-SE-3**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Restroom: ET, vinyl sheet flooring, porcelain tile, or ceramic mosaic	096500 093000	F1 Base cabinets	123550
Shower: Ceramic mosaic tile, or porcelain tile		F2 24" x 60" mirror	102813
		F3 Toilet tissue holder	102813
		F4 36" and 42" grab bar	102813
		F5 Soap dispenser	102813
		F6 Towel dispenser	102813
<u>Base:</u>		F7 Shower curtain and rod	102813
Restroom: Resilient base, or ceramic mosaic, or porcelain integral vinyl cove base	096500 093000	F8 ADA shower accessories	102813
Shower: Ceramic mosaic tile base, porcelain tile		F9 (2) towel hooks	102813
		F10 Cubicle curtain (optional)	102813
		F11 8" deep wall cabinet above toilet	102813
		F12 Shelf (optional)	102813
		F13 Changing station or fold-down adult changing station	123550
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Restroom: Suspended, acoustical	095113	Fire suppression system	211000
Shower: Painted portland cement plaster or interior finish system	092400/099100 092513		
<u>Walls:</u>		<u>Plumbing:</u>	
Epoxy painted concrete masonry units	042000/099100	Wall-mounted water closet	224000
or ceramic wall tile in shower and latex paint in restroom	093000 099100	Wall-mounted lavatory	224000
		ADA shower controls and head	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Wastebasket		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Refer to ADAAG 4.21 for grab bar and control locations.



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- **Required:** View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.
Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control –
wall **only** minimum STC 45
ceiling minimum CAC 35, NRC 0.70

CAPACITY: Based on disability.
See Chapter 1, Section 1110.
SIZE: 900 SF

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be located in this room or could be placed in a workroom/conference area.
3. See Chapter 1, page 1110-16 for specific areas needed for each disability.

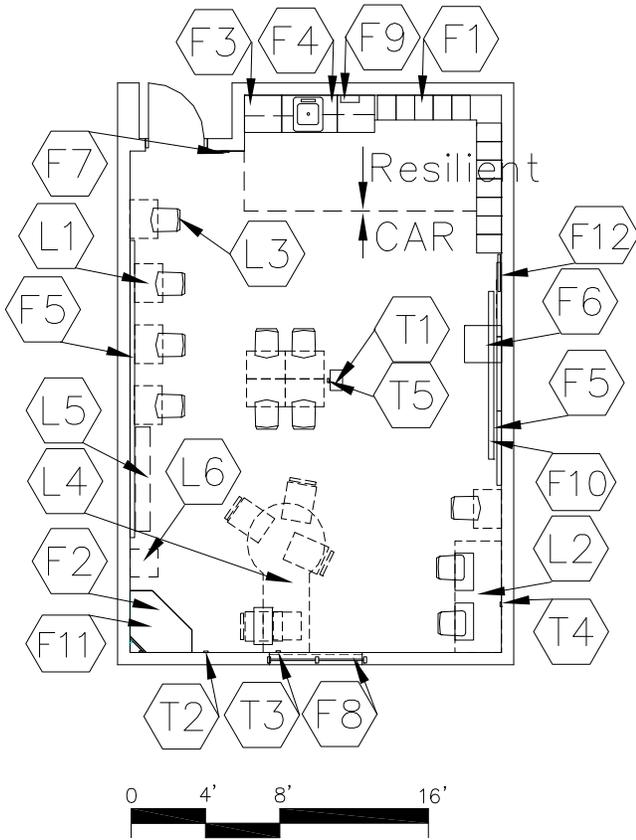
**SPECIAL EDUCATION/RESOURCE
H-SE-4**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Combination carpet, carpet tile, with resilient options	096816 096500	F1 Windows with integral blinds	085113
Option: All ET, sheet vinyl, linoleum, or rubber	096516 096813	F2 Tall wardrobe with file drawers	123550
		F3 8'-12' of base cabinets	123550
		F4 3' sink base cabinet	123550
		F5 20'-32' combination chalk/marker board, tack board, tackable wall surface	101100
<u>Base:</u>		F6 Reserved	
Resilient base	096500	F7 Pencil sharpener support (optional)	062000
		F8 Towel dispenser (optional)	102813
<u>Ceiling:</u>		F9 Operable partition (optional)	102226
Suspended, acoustical	095113	F10 Open casework coats and personal storage w/wall cabinets above	123550
		F11 Projection screen (optional)	115213
<u>Walls:</u>		F12 Technology support casework	123550
Painted concrete masonry units	042000/099100	F13 Mirror (optional)	102813
		F14 Mobile storage cabinet (optional)	123550
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Student desks/tables		Fire suppression system	211000
L2 Computer workstation furniture		<u>Plumbing:</u>	
L3 Student chairs		Sink	224000
L4 Teacher desk /computer support and chair		Plumbing connections	224000/221116/221119
L5 Mobile bookcases or storage unit		<u>HVAC:</u>	
L6 File cabinet		Supply/return air system	Div. 23
Wastebasket		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 237123
		T3 1 data port near each teacher workstation	271513
		T4 4 data ports (min.) for classroom technology	271513
		Clock	275313
		Sound reinforcement system	275127
		Central sound system	275123
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
Pencil sharpener (optional)			

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.



CAPACITY: Based on disability.
See Chapter 1, Section 1110.
SIZE: 600 SF

PROGRAM ACTIVITIES:

- Can accommodate students with cognitive, hearing, speech, language, emotional, orthopedic, autistic, brain injury, learning, deaf, and blindness. Services to include occupational, physical, and speech therapy.
- Accommodates students who have special needs and are unable to be included in regular instructional program areas.
- Activities include, but are not limited to: group discussions, demonstrations, music activities, listening skills, presentations, art and science projects, and small group activities.

SPATIAL RELATIONSHIPS:

- Distributed throughout academic core areas.

ENVIRONMENTAL CONSIDERATIONS:

- **Required:** *View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.*
- **Recommended:** *Daylighting design with glazing area determined by design solution.*
- Environmental sound control -
wall **only** minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Resilient and stain-resistant floor covering
- Special consideration for wheelchair access and physical accessibility needs (ADA)

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be located in this classroom or could be placed in a workroom/conference area.
3. See Chapter 1, page 1110-16, for specific areas needed for each disability.

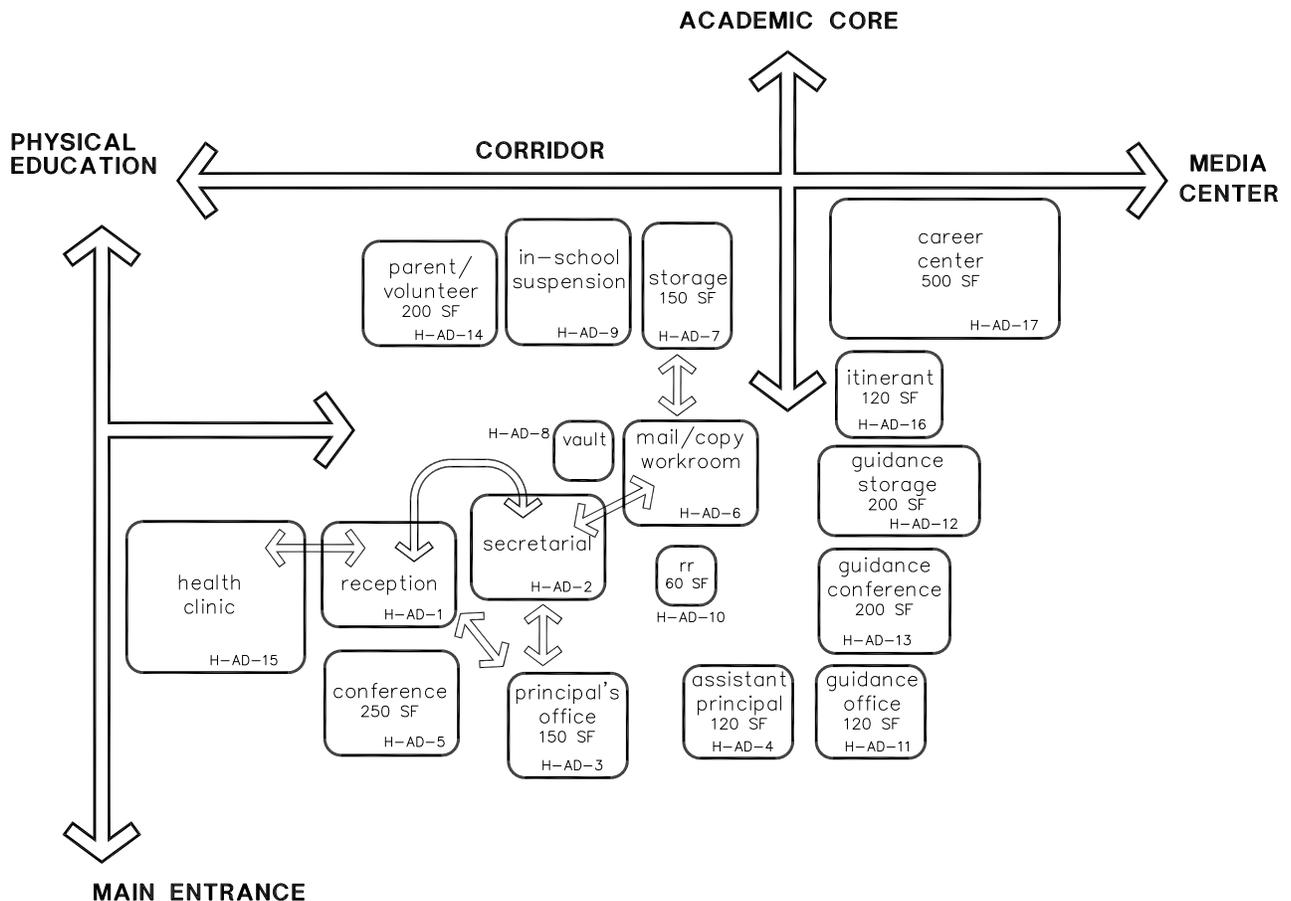
SMALL SELF-CONTAINED CLASSROOM**H-SE-5** (Special Education)

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>		Spec. Ref.#	<u>FEATURES¹:</u>		Spec. Ref.#
<u>Flooring:</u>			<u>Fixed Items:</u>		
Combination carpet, carpet tile, with resilient options		096816	F1	Open casework – coats and personal items with wall cabinets above	123550
Option: All ET, sheet vinyl, 096500		096516	F2	Tall wardrobe w/file drawers	123550
linoleum, or rubber		096813	F3	About 6' of base & wall cabinets (total)	123550
			F4	3' sink base cabinet	123550
			F5	20'-32' combination chalk/marker board, tack board, tackable wall surface	101100
			F6	Mobile storage cabinet (optional)	123550
			F7	Pencil sharpener support (optional)	062000
			F8	Windows with integral blinds	085113
			F9	Towel dispenser (optional)	102813
			F10	Projection screen (optional)	115213
			F11	Technology support casework	123550
			F12	Mirror (optional)	102813
			<u>Fire Suppression:</u>		
				Fire suppression system	211000
			<u>Plumbing:</u>		
				Sink with drinking fountain	224000
				Plumbing connections	224000/221116/221119
			<u>HVAC:</u>		
				Supply/return air system	Div. 23
				Independent temperature control	230923
			<u>Electrical:</u>		
				Fluorescent lighting	265100
				Illumination level: See Table 8600-5	
				Multilevel switching	262726
				4 duplex receptacles	262726
				Double duplex receptacle adjacent to each data and video port	262726
			<u>Communications:</u>		
			T1	1 video port	271533/271543
			T2	1 voice port and phone	271513/ 273123
			T3	1 data port near teacher workstation	271513
			T4	2 data ports (minimum) for classroom technology	271513
				Clock	275313
				Central sound system	275123
				Sound reinforcement system	275127
			T5	Overhead projector (optional)	274119
			<u>Electronic Safety and Security:</u>		
				Life safety devices per code	283111
			<u>Miscellaneous:</u>		
				Pencil sharpener (optional)	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.



NOTE:

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

Following are the Administrative space plates for the following rooms:

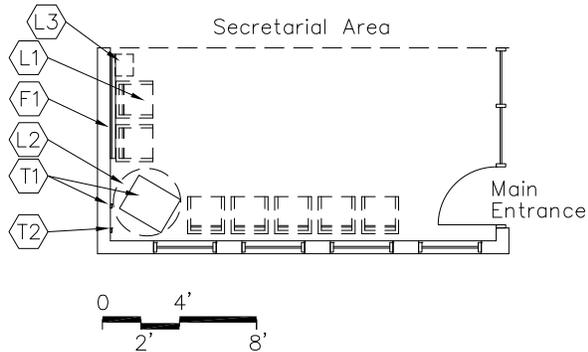
H-AD-1	Reception Area	H-AD-10	Restroom
H-AD-2	Secretarial Area	H-AD-11	Guidance Counselor's office
H-AD-3	Principal's Office	H-AD-12	Guidance Records/Storage
H-AD-4	Assistant Principal's Office	H-AD-13	Guidance Conference Room
H-AD-5	Conference Room	H-AD-14	Parent/Volunteer Room
H-AD-6	Mail/Work/Copy room	H-AD-15	Health Clinic (includes restroom)
H-AD-7	Administrative Storage	H-AD-16	Itinerant Personnel Office
H-AD-8	Vault/Records Storage	H-AD-17	Career Center
H-AD-9	In-school Suspension		

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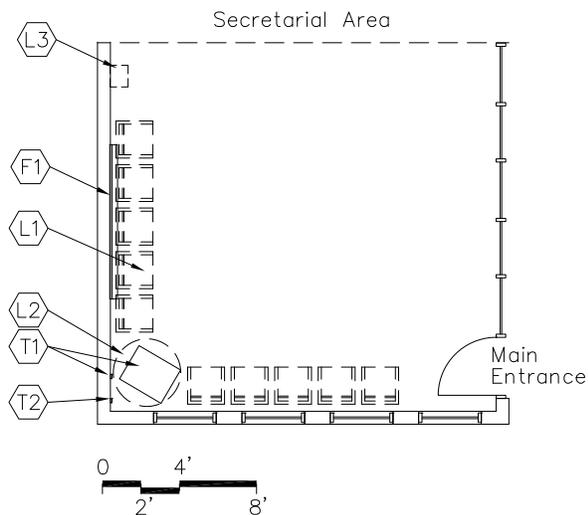
**RECEPTION AREA
H-AD-1**

CHAPTER 6: HIGH SCHOOL

200 SF



600 SF



PROGRAM ACTIVITIES:

- Serves as the main entry to the building
- Visitors may wait or are directed to other areas of the building.

SPATIAL RELATIONSHIPS:

- Access to all areas of the building
- Open to secretarial area
- Near principal's office
- Near main entrance to the building
- Visual access to main entrance of the building

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 40
ceiling minimum CAC 35, NRC 0.70
- Audio and visual control from secretarial area

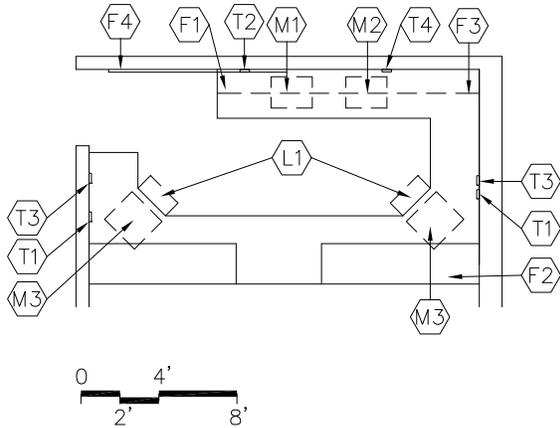
CAPACITY: 6 - 8 or 8 - 10 visitors
 SIZE: 200 – 1,000 SF
 ANCILLARY SPACES: Secretarial Area
 H-AD-2

NOTES:

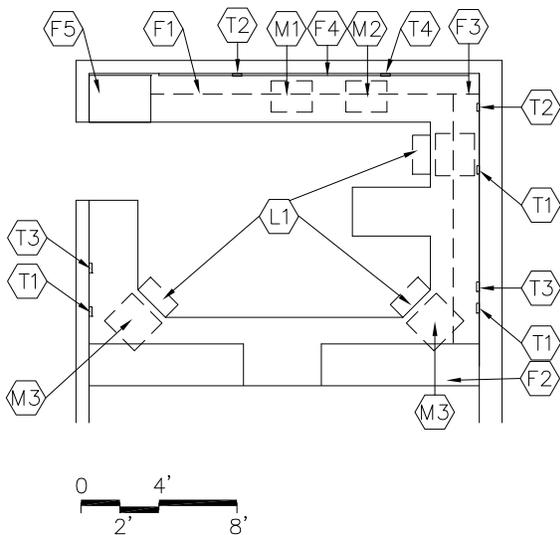
1. Loose furnishings shown represent one of many possible arrangements.

CHAPTER 6: HIGH SCHOOL

200 SF ADA Compliant Approach



600 SF ADA Compliant Approach



CAPACITY: 1 - 2 or 2 - 3 staff
SIZE: 200 – 1,000 SF
ANCILLARY SPACES: Reception Area
 H-AD-1

PROGRAM ACTIVITIES:

- Conduct administrative support duties, and receive and direct visitors

SPATIAL RELATIONSHIPS:

- Easy access to all areas of the building
- Open to reception area
- Near principal's office
- Near main entrance to the building
- Visual access to main entrance of the building

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall minimum STC 40
ceiling minimum CAC 35, NRC 0.70
- Audio and visual control of reception area

NOTES:

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

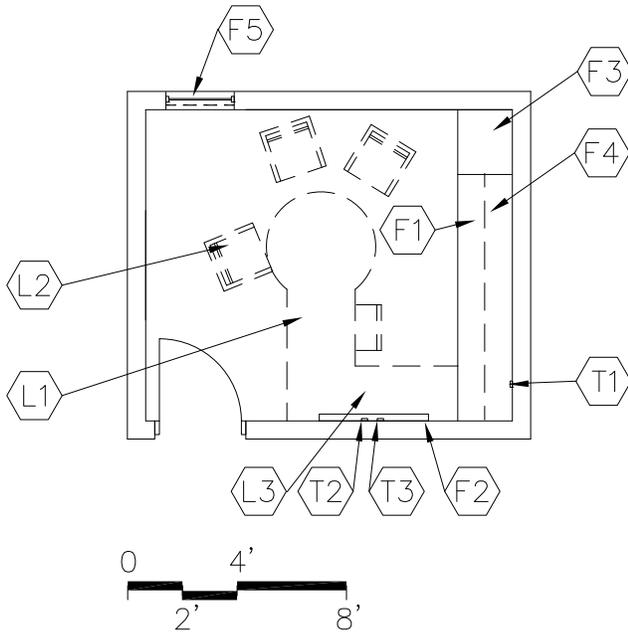
**SECRETARIAL AREA
H-AD-2**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items²:</u>	
Carpet or Carpet Tile	096816 096813	F1 24' - 60' of work surface with file drawers	123550
<u>Base:</u>		F2 42" high counter top with portion of counter 34" high or lower	123550
Resilient base	096500	F3 16'-24' of wall cabinets for forms, supplies, books, and manuals	123550
<u>Ceiling:</u>		F4 Tackable wall surface (optional)	101100
Suspended, acoustical	095113	F5 Tall cabinet for coats (optional)	123550
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted gypsum wallboard over metal studs	092116/099100	Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Secretarial chairs		N/A	
Wastebasket		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Temperature control with reception area (coupled with similarly loaded adjacent spaces)	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data port	262726
		Emergency lighting	265100
		<u>Communications:</u>	
		T1 1 voice port and phone at each secretarial workstation	271513/ 273123
		T2 1 fax port	271513/273113
		T3 1 data port at each secretarial workstation	271513
		T4 1 data port for printer	271513
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
The following items are to be funded by the school district:			
M1 Fax machine			
M2 Printer			
M3 Computer/typewriter			

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown illustrate quantities for the smallest and largest possible room size.



PROGRAM ACTIVITIES:

- Instructional and administrative leader of the building
- One-on-one conferences with parents, small group meetings, and coordination of administrative tasks

SPATIAL RELATIONSHIPS:

- Near reception area
- Near secretarial area
- Easy access to school circulation areas
- Near main entrance to the building
- Near conference room

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 1 - 4 persons
SIZE: 150 SF

NOTES:

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

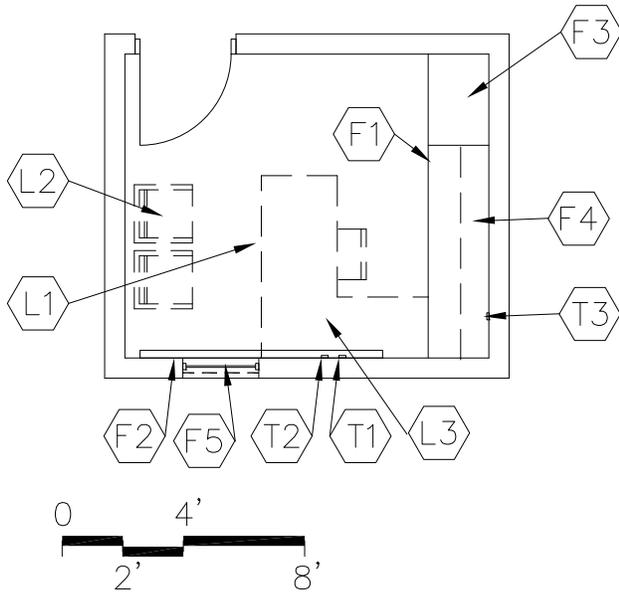
**PRINCIPAL'S OFFICE
H-AD-3**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet or Carpet Tile	096816	F1 Work surface with file drawers	123550
	096813	F2 4' of tack board or tackable wall surface	101100
<u>Base:</u>		F3 Tall wardrobe (optional)	123550
Resilient base	096500	F4 Wall cabinets above work surface	123550
<u>Ceiling:</u>		F5 Window with integral blind	085116
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
<u>Walls:</u>		Fire suppression system	211000
Painted gypsum wallboard over metal studs	092116 / 099100	<u>Plumbing:</u>	
<u>LOOSE FURNISHINGS:</u>		N/A	
L1 Desk and chair		<u>HVAC:</u>	
L2 Visitor chairs		Supply/return air system	Div. 23
L3 Computer desk return Wastebasket		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near workstation	271513
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.



PROGRAM ACTIVITIES:

- To assist principal in administrative tasks
- One-on-one conferences with parents and coordination of administrative tasks

SPATIAL RELATIONSHIPS:

- Near reception area
- Near secretarial area
- Direct access to school circulation areas
- Near main entrance to the building
- Near or accessible to principal's office
- Near conference room

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 1 - 3 persons
SIZE: 120 SF

NOTES:

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

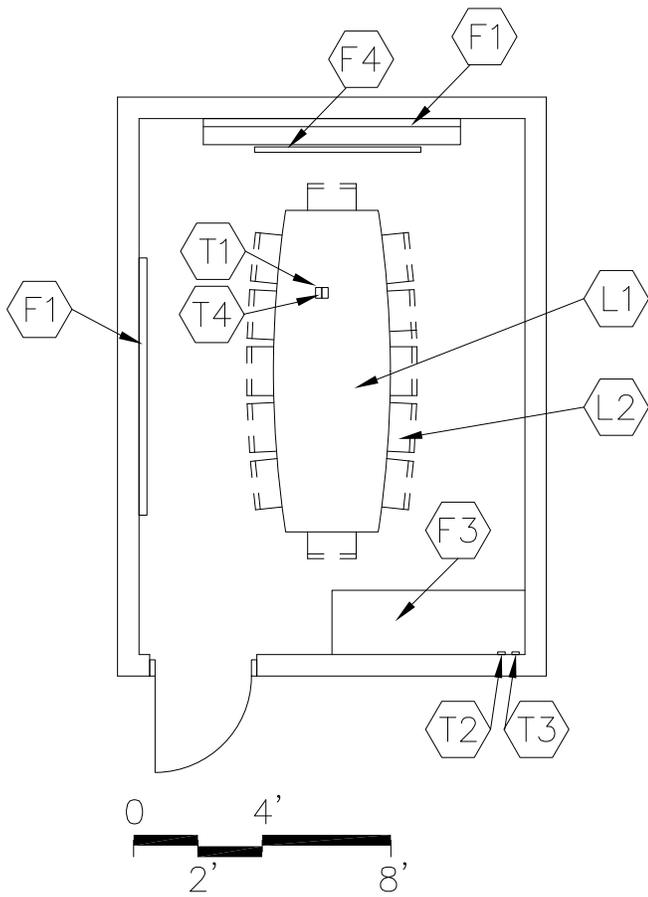
**ASSISTANT PRINCIPAL'S OFFICE
H-AD-4**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet or Carpet Tile	096816	F1 Work surface with file drawers	123550
	096813	F2 4' of tack board	101100
		or tackable wall surface	
Base:		F3 Tall wardrobe	123550
Resilient base	096500	F4 Wall cabinets above work surface	123550
		F5 Window with integral blind	085116
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard		N/A	
over metal studs	092116/099100		
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Desk and chair		Supply/return air system	Div. 23
L2 Visitor chairs		Independent temperature control	230923
L3 Computer desk return		(coupled with similarly loaded	
Wastebasket		adjacent spaces)	
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent	
		to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port near workstation	271513
		T3 1 video port	271533/ 271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.



CAPACITY: 12 – 15 persons
 SIZE: 250 SF

PROGRAM ACTIVITIES:

- Conferences with staff, students, parents, and other community groups

SPATIAL RELATIONSHIPS:

- Near principal's office
- Near assistant principal's office
- Near reception area
- Near secretarial area

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall **only** minimum STC **45**
 ceiling minimum CAC 35, NRC 0.70

NOTES:

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

**CONFERENCE ROOM
H-AD-5**

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items:</u>	
Carpet or Carpet Tile	096816 096813	F1 16'-20' combination chalk/marker board, tack board, tackable wall surface	101100
Base:		F2 Reserved	
Resilient base	096500	F3 4'-6' of base cabinets (optional)	123550
Ceiling:		F4 Projection screen (optional)	115213
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
Walls:		Fire suppression system	211000
Painted gypsum wallboard over metal studs	092116/099100	<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Conference table		Supply/return air system	Div. 23
L2 Chairs		Independent temperature control	230923
Wastebasket		<u>Electrical:</u>	
		Multilevel switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	
		271533/271543/274119	
		T2 1 voice port and phone	271533/ 273123
		T3 1 data port	271513
		T4 Overhead projector	274119
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

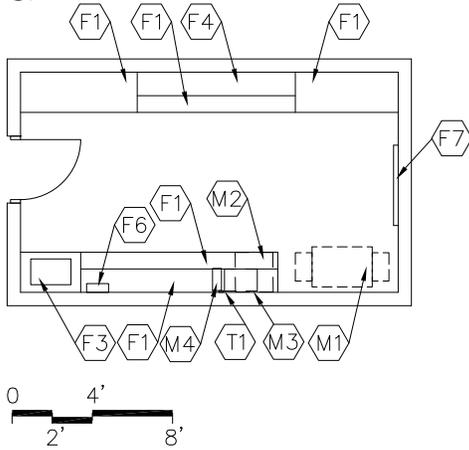
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

**MAIL/WORK/COPY ROOM
H-AD-6**

CHAPTER 6: HIGH SCHOOL

200 SF



PROGRAM ACTIVITIES:

- Distribution area for preparation/copying of mail and materials.
- Staff receives messages and obtains supplies.

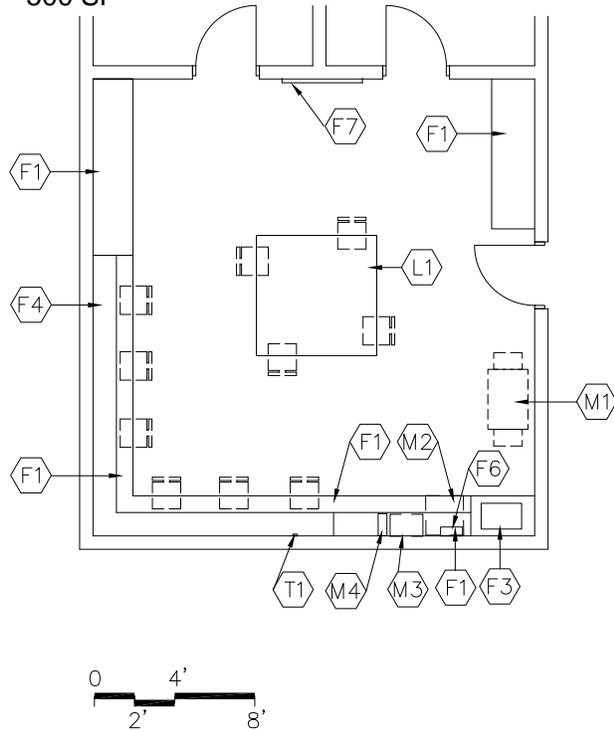
SPATIAL RELATIONSHIPS:

- Near secretarial area

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 40
ceiling minimum CAC 35, NRC 0.70

500 SF



CAPACITY:
SIZE:

N/A
200 - **800 SF**

NOTES:

1. The mail cubicles can be either on the wall or through the wall.

**MAIL/WORK/COPY ROOM
H-AD-6**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, carpet tile, linoleum, ET, rubber, or sheet vinyl	096500 096813 096816 096516	F1 20'-24' combination wall and base cabinets	123550
		F2 8'-12' of tall storage cabinets or about 32' maximum of a combination storage cabinets	123550
<u>Base:</u>		F3 3' sink base cabinet	123550
Resilient base	096500	F4 Mail cubicles for all staff	123200
		F5 Reserved	
<u>Ceiling:</u>		F6 Towel dispenser (optional)	102813
Suspended, acoustical	095113	F7 4' tack board, chalkboard or marker board (optional)	101100
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted gypsum wallboard over metal studs	092116/099100	Fire suppression system	211000
		<u>Plumbing:</u>	
<u>LOOSE FURNISHINGS:</u>		Sink	224000
L1 Work table and chairs (applicable in 300 SF space only)		Plumbing connections	224000/221116/221119
Wastebasket		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		3 - 5 duplex receptacles	262726
		Receptacle for copier	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		The following items are to be funded by the school district:	
		M1 Copier	
		M2 Undercounter refrigerator	
		M3 Microwave	
		M4 Coffee maker	

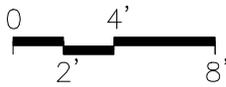
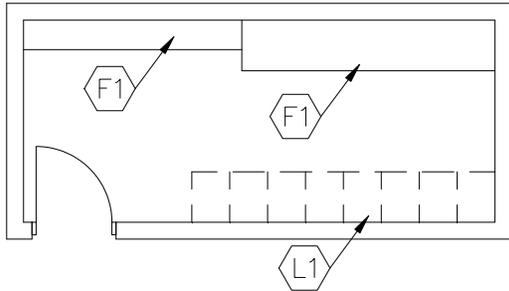
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**ADMINISTRATIVE STORAGE
H-AD-7**

CHAPTER 6: HIGH SCHOOL

150 SF



PROGRAM ACTIVITIES:

- Supplies, books, records, forms, and equipment storage

SPATIAL RELATIONSHIPS:

- Near mail/work/copy room
- Near vault/records storage

ENVIRONMENTAL CONSIDERATIONS:

N/A

CAPACITY: N/A
 SIZE: 150 - 400 SF

NOTES:

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

**ADMINISTRATIVE STORAGE
H-AD-7**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Rubber, carpet, carpet tile, linoleum, ET or sheet vinyl	096500 096813 096816 096516	F1 10'-20' of open shelving depth may vary (fixed or loose)	123550
		Option: mobile storage shelving	105626
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted gypsum wallboard over metal studs	092116/099100	To be determined by Design Professional Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 File cabinets		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

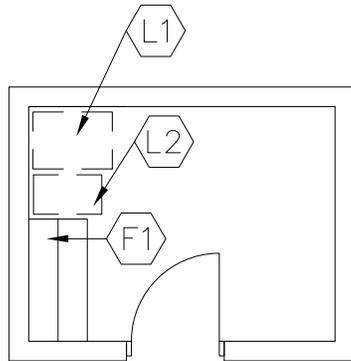
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

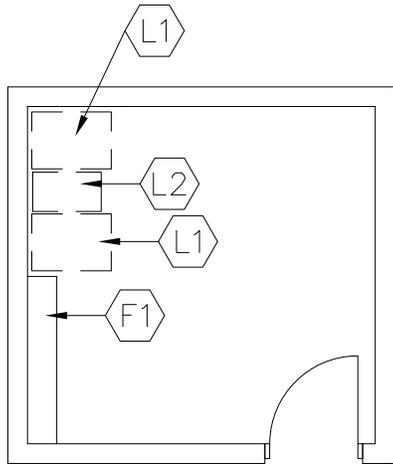
**VAULT/RECORDS STORAGE
H-AD-8**

CHAPTER 6: HIGH SCHOOL

85 SF



140 SF



**CAPACITY:
SIZE:**

**N/A
85 - 200 SF**

PROGRAM ACTIVITIES:

- Storage of records and security files in a secure area

SPATIAL RELATIONSHIPS:

- Access to guidance area
- Access to secretarial personnel

ENVIRONMENTAL CONSIDERATIONS:

N/A

NOTES:

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

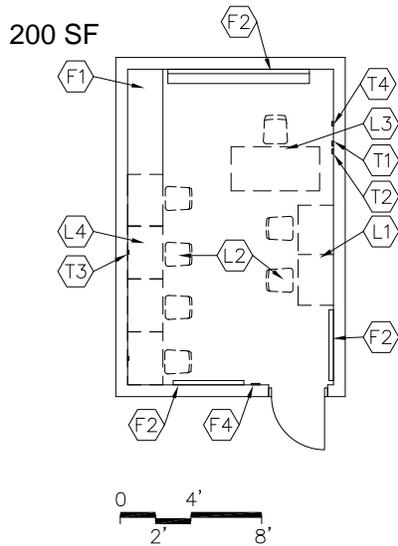
**VAULT/RECORDS STORAGE
H-AD-8**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Rubber, carpet, carpet tile, linoleum, ET or sheet vinyl	096500 096813 096816 096516	F1 3'-6' of open shelving, (depth may vary)(fixed or loose)	123550
		Option: mobile storage shelving	105626
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Rated 2-hour construction	---	N/A	
Walls:		<u>HVAC:</u>	
Painted concrete masonry units or 042000/099100		To be determined by Design Professional	
Painted gypsum wallboard 092116/099100			
Rated 2-hour construction		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
<u>LOOSE FURNISHINGS:</u>		<u>Communications:</u>	
L1 File cabinet		N/A	
L2 Safe (loose or fixed)			
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		Wall, ceiling, and door construction to have a 2-hour fire rating	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



PROGRAM ACTIVITIES:

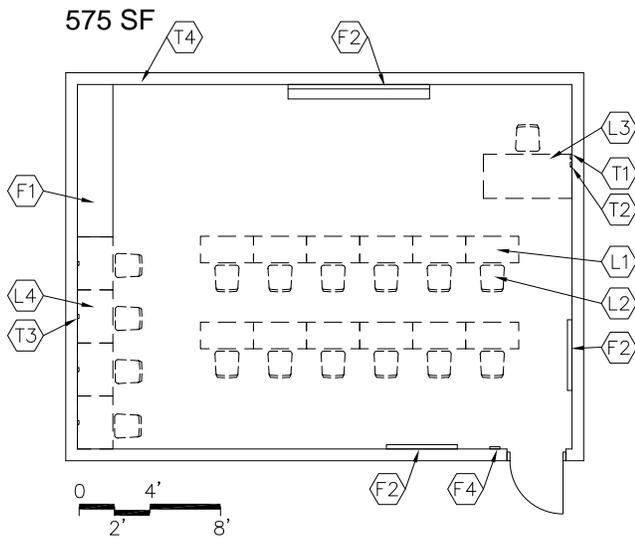
- Instructional area for students who require time away from the normal classroom due to behavioral problems

SPATIAL RELATIONSHIPS:

- Near principal's office
- Near secretarial area

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall **only** minimum **STC 45**
ceiling minimum **CAC 35, NRC 0.70**



CAPACITY: 5 - 8 students
SIZE: 200 - 600 SF

NOTES:

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

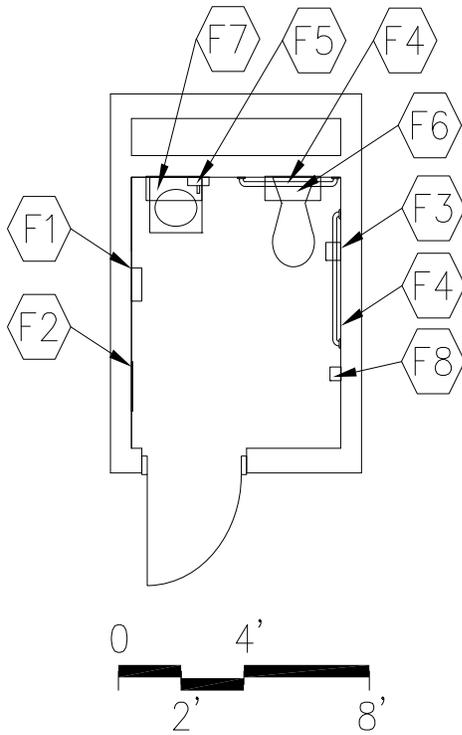
**IN-SCHOOL SUSPENSION
H-AD-9**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>			
Carpet, carpet tile, ET, linoleum, sheet vinyl, or rubber	096816 096500 096516 096813	<u>Fixed Items:</u> F1 3'-4' of base cabinets (optional) F2 10'-16' combination chalk/marker board, tack board, tackable wall surface F3 Reserved F4 Pencil sharpener support (optional)	123550 101100 062000
<u>Base:</u>			
Resilient base	096500		
<u>Ceiling:</u>			
Suspended, acoustical	095113	<u>Fire Suppression:</u> Fire suppression system	211000
<u>Walls:</u>			
Painted concrete masonry units	042000/092113	<u>Plumbing:</u> N/A	
<u>LOOSE FURNISHINGS:</u>			
L1 Student carrels and/or desks		<u>HVAC:</u> Supply/return air system	Div. 23
L2 Student chairs		Independent temperature control	230923
L3 Teacher workstation and chair		<u>Electrical:</u> Single level switching	262726
L4 Computer workstation furniture Wastebasket		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u> T1 1 voice port and phone	271513/ 273123
		T2 1 data port near teacher workstation	271513
		T3 2 data ports (minimum) for classroom technology	271513
		T4 1 video port	271533/271543
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u> Life safety devices per code	283111
		<u>Miscellaneous:</u> Pencil sharpener (optional)	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



PROGRAM ACTIVITIES:

- Personal and health needs for teachers and staff
- Restroom facilities for clinic

SPATIAL RELATIONSHIPS:

- Located in the administrative area

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 48
ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes

CAPACITY: 1 person
 SIZE: **60 SF**

NOTES:

**RESTROOM
H-AD-10**

CHAPTER 6: HIGH SCHOOL

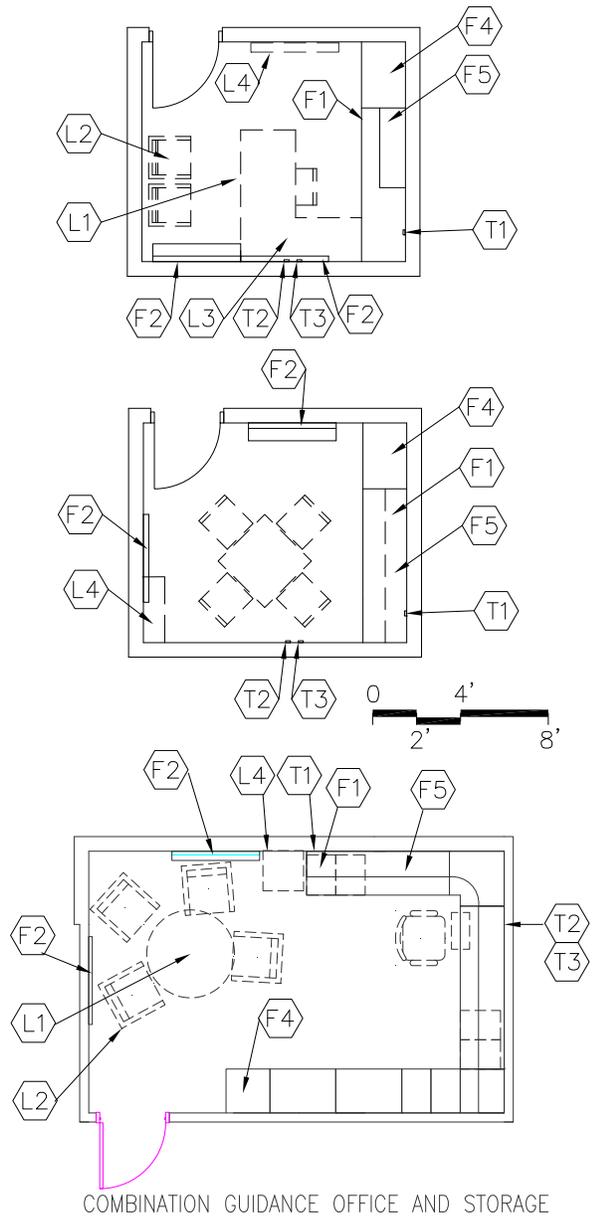
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
ET, <i>ceramic mosaic, porcelain</i>	096516	F1 Towel dispenser	102813
or sheet vinyl	096500	F2 24" x 60" mirror	102813
Optional: resinous flooring	093000	F3 Toilet tissue holder	102813
	096723	F4 36" and 42" grab bar	102813
		F5 Soap dispenser	102813
<u>Base:</u>		F6 8" deep wall cabinet above toilet for supplies (optional)	102813
Resilient base	096500	F7 Stainless steel shelf (optional)	102813
Optional: ceramic mosaic tile,	093000	F8 Coat hook	102813
porcelain tile, resinous flooring	096723		
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	Wall-mounted water closet	224000
Optional: moisture & abuse-resistant	092116/099100	Wall-mounted lavatory	224000
gypsum wall board		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Wastebasket		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**GUIDANCE COUNSELOR'S OFFICE
H-AD-11**

CHAPTER 6: HIGH SCHOOL



CAPACITY: 1 - 3 persons
SIZE: 120 SF

PROGRAM ACTIVITIES:

- Guidance counselor to do individual work and provide assistance to students
- One-on-one conferences with parents and coordination of administrative tasks
- Could be combined with guidance records/storage

SPATIAL RELATIONSHIPS:

- Near guidance/records storage
- Near reception area
- Near secretarial area
- Access to school circulation areas

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Optional – window with integral blinds

NOTES:

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

**GUIDANCE COUNSELOR'S OFFICE
H-AD-11**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet or Carpet Tile	096816	F1 Work surface with file drawers	123550
	096813	F2 8'-12' combination chalk/marker board, tack board, tackable wall surface	101100
<u>Base:</u>		F3 Reserved	
Resilient base	096500	F4 Tall wardrobe	123550
<u>Ceiling:</u>		F5 Wall cabinets	123550
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
<u>Walls:</u>		Fire suppression system	211000
Painted gypsum wallboard over metal studs	092116/099100	<u>Plumbing:</u>	
<u>LOOSE FURNISHINGS:</u>		N/A	
L1 Desk or table, with chair		<u>HVAC:</u>	
L2 Visitor chairs		Supply/return air system	Div. 23
L3 Computer desk return		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
L4 Bookcase (fixed or loose)		<u>Electrical:</u>	
Wastebasket		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near workstation	271513
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

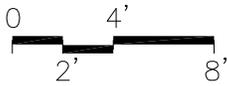
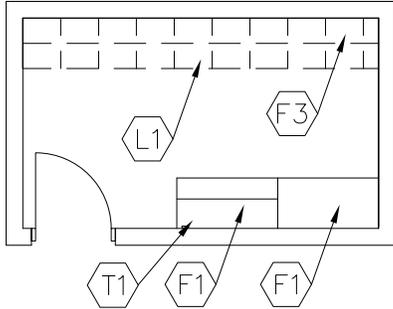
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

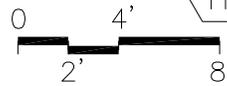
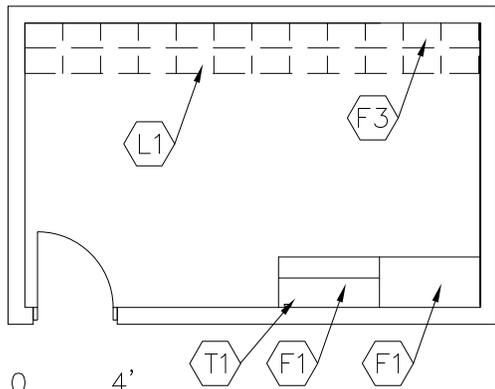
**GUIDANCE RECORDS/STORAGE
H-AD-12**

CHAPTER 6: HIGH SCHOOL

100 SF



200 SF



CAPACITY:
SIZE:

N/A
100 - 300 SF

PROGRAM ACTIVITIES:

- Storage of supplies, files, and equipment in a secure area

SPATIAL RELATIONSHIPS:

- Near guidance counselor's office
- Could be combined with guidance counselor's office

ENVIRONMENTAL CONSIDERATIONS:

N/A

NOTES:

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

**GUIDANCE RECORDS/STORAGE
H-AD-12**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>			
Rubber, carpet, carpet tile, linoleum, ET, or sheet vinyl	096500 096813 096816 096516	<u>Fixed Items:</u>	
		F1 6'-10' combination wall and base cabinets and tall cabinets	123550
		F2 Reserved	
		Option: mobile storage shelving or file cabinets	105626
<u>Base:</u>		F3 4'-10' shelving (optional)	123550
Resilient base	096500		
<u>Ceiling:</u>			
Rated 2-hour construction	---	<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>Walls:</u>			
Painted gypsum wallboard over metal studs or	092116/099100	<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	N/A	
Rated 2-hour construction		<u>HVAC:</u>	
		To be determined by Design Professional	
<u>LOOSE FURNISHINGS:</u>			
L1 File cabinets		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		T1 1 data port (optional)	271513
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Wall, ceiling, and door construction to have a 2-hour fire rating	

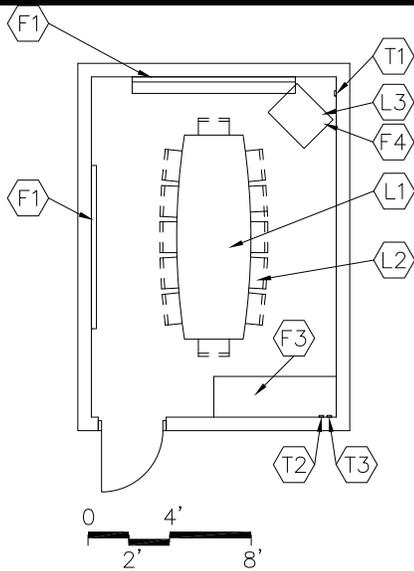
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**GUIDANCE CONFERENCE ROOM
H-AD-13**

CHAPTER 6: HIGH SCHOOL

150 SF



PROGRAM ACTIVITIES:

- Conferences with staff, students, parents, and other community groups

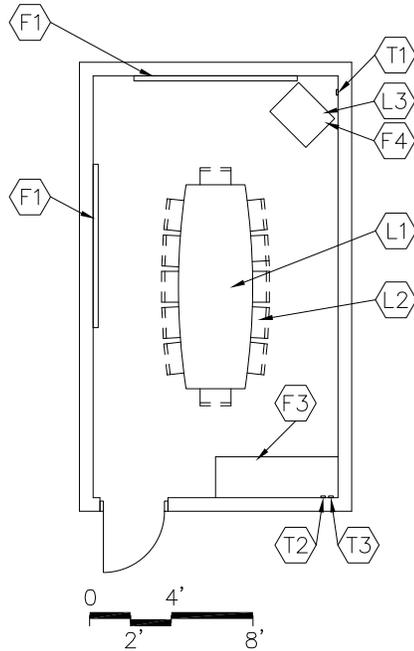
SPATIAL RELATIONSHIPS:

- Near guidance counselors office
- Near principal's office
- Near reception area
- Near guidance records/storage area

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Optional – window with integral blinds

250 SF



CAPACITY:
SIZE:

12 - 15 persons
150 - 250 SF

NOTES:

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

**GUIDANCE CONFERENCE ROOM
H-AD-13**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet or Carpet Tile	096816	F1 10'-16' combination chalk/marker board, tack board, tackable wall surface	101100
	096813	F2 Reserved	
<u>Base:</u>		F3 4'-6' of base cabinets	123550
Resilient base	096500	F4 Technology support casework (optional)	123550
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs	092116/099100	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Conference table		Supply/return air system	Div. 23
L2 Chairs		Independent temperature control	230923
L3 Monitor cart or cabinet (could be fixed casework)		<u>Electrical:</u>	
Wastebasket		Multilevel switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	
		271533/271543/274119	
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

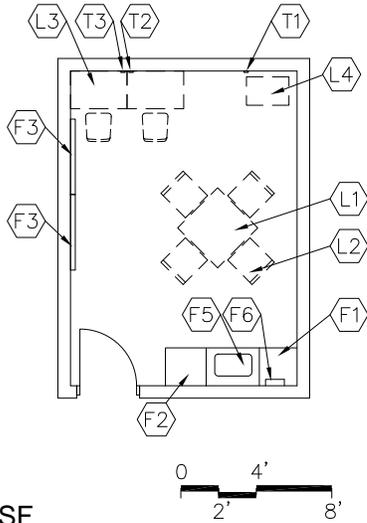
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Fixed casework and loose furnishings can be also either all fixed or all loose.

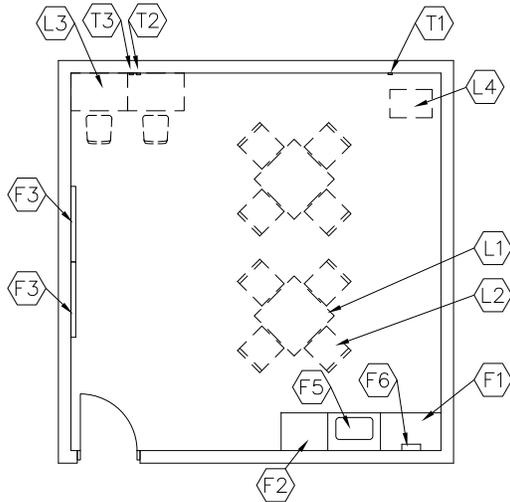
**PARENT/VOLUNTEER ROOM
H-AD-14**

CHAPTER 6: HIGH SCHOOL

200 SF



400 SF



CAPACITY: 2 - 8 persons
SIZE: 200 - 400 SF

PROGRAM ACTIVITIES:

- After school meetings, community, and small group meetings

SPATIAL RELATIONSHIPS:

- Near administrative area

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Optional – window with integral blinds

NOTES:

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

**PARENT/VOLUNTEER ROOM
H-AD-14**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet or Carpet Tile	096816	F1 About 3' of base cabinets	123550
	096813	F2 Tall wardrobe or coat cabinet (optional)	123550
<u>Base:</u>		F3 8'-12' combination chalk/marker board, tack board, tackable wall surface	101100
Resilient base	096500	F4 Reserved	
<u>Ceiling:</u>		F5 3' sink base cabinet	123550
Suspended, acoustical	095113	F6 Towel dispenser	102813
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted gypsum wallboard over metal studs	092116/099100	Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Table		Sink	224000
L2 Chairs		Plumbing connections	224000/221116/221119
L3 Computer workstation furniture			
L4 Monitor cart		<u>HVAC:</u>	
Wastebasket		Supply/return air system	Div. 15
		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	271533/271543/274119
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near workstation	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Pencil sharpener (optional)	

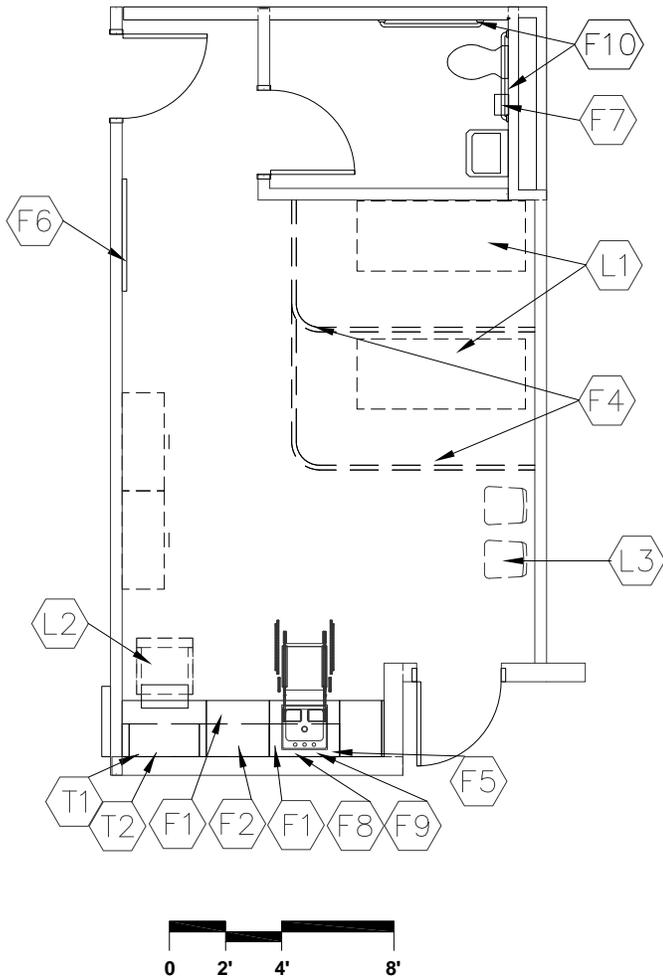
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**HEALTH CLINIC (includes restroom)
H-AD-15**

CHAPTER 6: HIGH SCHOOL

450 SF



PROGRAM ACTIVITIES:

- Treatment of minor injuries, administration of medication, and conduction of hearing or vision tests

SPATIAL RELATIONSHIPS:

- Near reception area
- Adjacent to individual restroom
- Near special education shower

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall minimum STC 48
ceiling minimum CAC 35, NRC 0.70
- Stain-resistant floor covering

CAPACITY: 2 - 3 patients
 SIZE: Clinic.....**340 - 540 SF**
 Restroom.....60 SF
 ANCILLARY SPACES: Secretarial Area
 H-AD-2

NOTES:

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

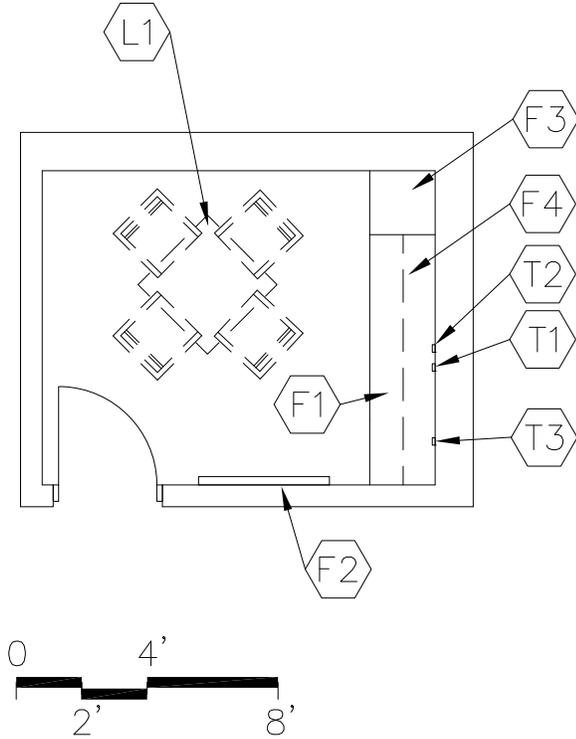
HEALTH CLINIC (includes restroom)
H-AD-15

CHAPTER 6: HIGH SCHOOL

<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> ¹ :	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
ET, sheet vinyl, or resinous flooring	096516 096500 096723 093000	F1 8'-18' combination base and wall cabinets, lockable	123550
Restroom: ET, sheet vinyl, resinous flooring, ceramic mosaic, or porcelain tile		F2 3' sink base cabinet	123550
		F3 Reserved	
Base:		F4 Cubicle curtain and track	102123
Resilient base, resinous flooring, integral vinyl cover base, or ceramic mosaic, or porcelain tile	096500 096730	F5 Towel dispenser	102813
		F6 4' of tack board	101100
Ceiling:		F7 Sanitary napkin dispenser/disposal	102813
Suspended, acoustical	095113	F8 Soap dispenser	102813
		F9 24" x 60" mirror	102813
Walls:		F10 36" and 42" grab bars	102813
Painted gypsum wallboard over metal studs	092116/099100	<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Cots		Wall-mounted water closet	224000
L2 Desk and chair		Wall-mounted lavatory	224000
L3 Chairs		Sink - with goose neck	224000
Wastebasket		Plumbing connections	224000/221116/221119
		<u>HVAC:</u>	
<u>EQUIPMENT</u>		Supply/return air system	Div. 23
E1 Refrigerator with ice making capabilities		Independent temperature control	230923
		Exhaust directly to exterior	
<u>Miscellaneous:</u>		<u>Electrical:</u>	
N/A		Single level switching with dimmer	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		2 duplex receptacles	262726
		Double duplex receptacle adjacent to each data port	262726
		Receptacle for refrigerator	262726
		Emergency lighting	265100
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port near workstation	271523
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



PROGRAM ACTIVITIES:

- Office and work area for specialists such as psychologist, reading specialist, etc., who regularly spend a portion of their schedule at one of several schools

SPATIAL RELATIONSHIPS:

- Near reception area
- Near secretarial area
- Direct access to school circulation areas
- Near main entrance to the building
- Near or accessible to principal's office and guidance counselor's office

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Optional – window with integral blind

APACITY: 1 - 3 persons
SIZE: 120 SF

NOTES:

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

**ITINERANT PERSONNEL OFFICE
H-AD-16**
CHAPTER 6: HIGH SCHOOL

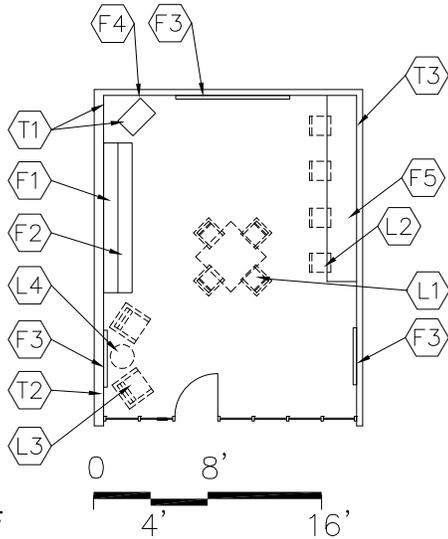
	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items:</u>	
Carpet or Carpet Tile	096816	F1 Work surface with file drawers(optional)	123550
	096813	F2 4' of tack board or tackable wall surface	101100
Base:		F3 Tall wardrobe (optional)	123550
Resilient base	096500	F4 Wall cabinets	123550
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs	092116/099100	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Table and chairs		Supply/return air system	Div. 23
Wastebasket		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

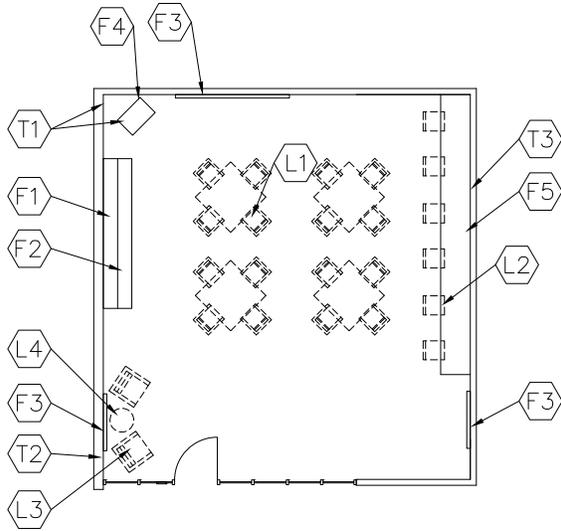
1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

CHAPTER 6: HIGH SCHOOL

300 SF



700 SF



CAPACITY:
SIZE:

6 - 16 persons
300 - 715 SF

PROGRAM ACTIVITIES:

- Counselors assisting students with career exploration and college planning
- Small group presentation
- Small group meetings
- Interviews

SPATIAL RELATIONSHIPS:

- Close to secretarial area
- Close to guidance counselor's office

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall minimum STC 45
- ceiling minimum CAC 35, NRC 0.70

NOTES:

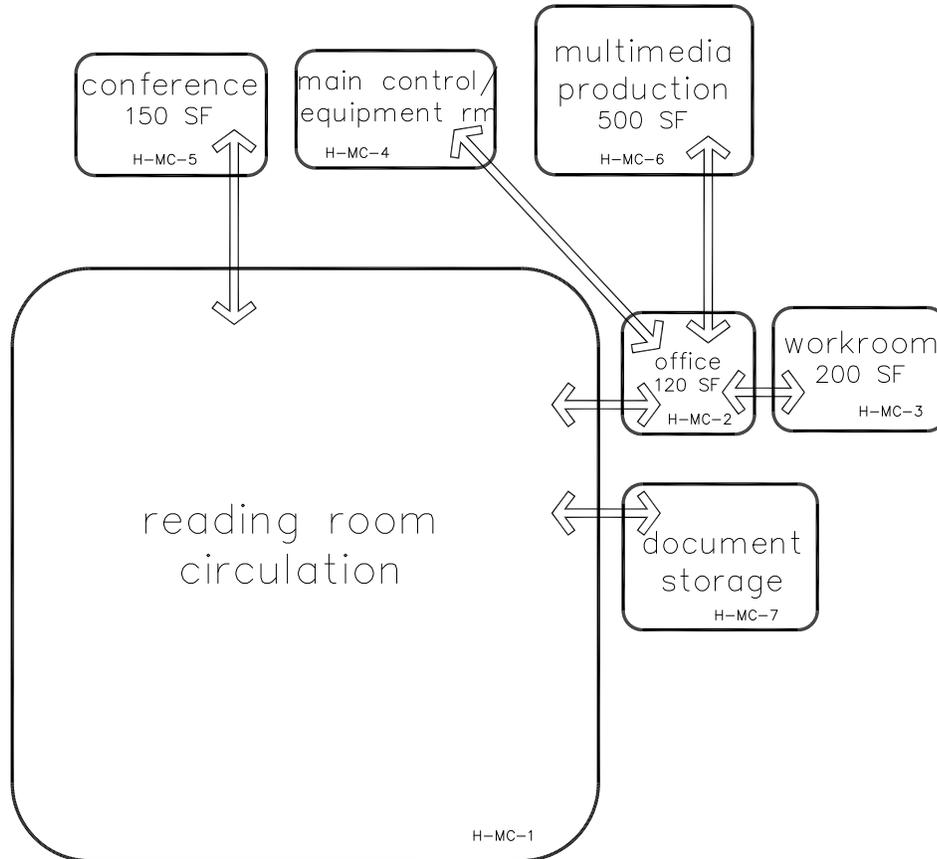
1. Loose furnishings shown represent one of many possible arrangements.

**CAREER CENTER
H-AD-17**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet <i>or</i> Carpet Tile	096816 096813	F1 8'-16' display cabinets	123550
Base:		F2 About 9' base cabinets	123550
Resilient	096500	F3 12'-16' combination chalk/marker board, tack board, tackable wall surface	101100
Ceiling:		F4 Technology support casework	123550
Suspended, acoustical	095113	F5 Workstation	123550
Walls:		<u>Fire Suppression:</u>	
Painted concrete masonry units	042000/099100	Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Work tables and chairs		N/A	
L2 Workstation chairs		<u>HVAC:</u>	
L3 Reading chairs		Supply/return air system	Div. 23
L4 Small table		Independent temperature control	230923
Wastebasket		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacles adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	271533/271543/274119
		T2 1 voice port	271513/273113
		T3 4 data ports at workstations(minimum)	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Fixed casework and loose furnishings can also be all fixed or all loose.
3. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**NOTE:**

This is an example of how the media center spaces in a high school could be arranged. This is only meant to demonstrate the relationships between various areas of the building.

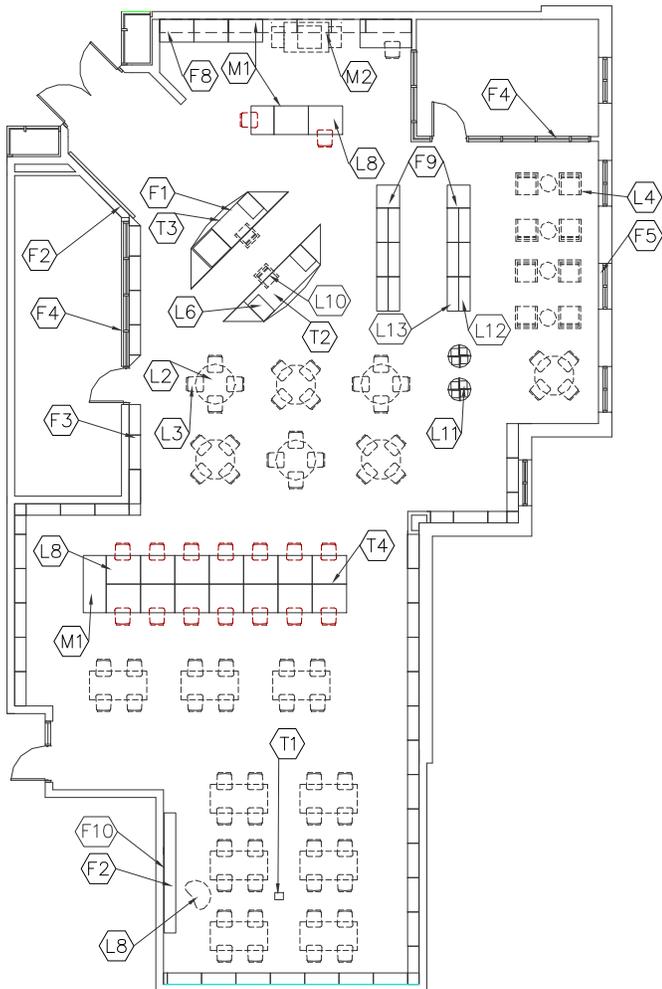
Following are the Media Center space plates:

- H-MC-1 Reading Room/Circulation
- H-MC-2 Media Specialist Office
- H-MC-3 Workroom/Storage
- H-MC-4 Main Control / Equipment Room
- H-MC-5 Conference Room
- H-MC-6 Multimedia Production Room
- H-MC-7 Document Storage

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READING ROOM/CIRCULATION H-MC-1

CHAPTER 6: HIGH SCHOOL



CAPACITY: 10% of student capacity
SIZE: 10% of student capacity
 multiplied by 35 SF per student

PROGRAM ACTIVITIES:

- Information laboratory that serves the instructional needs of the entire school.
- Recreational reading, research, accessing information, using technology, storing, cataloging, and reproduction of materials and information.
- Individual, small group, and class reading and researching.

SPATIAL RELATIONSHIPS:

- Centrally located and accessible to all areas of the facility
- Locate with access to academic core classrooms
- Easy access to public parking

ENVIRONMENTAL CONSIDERATIONS:

- Natural light opening
- Environmental sound control -
 wall **only** minimum **STC 45**
 ceiling minimum CAC 35, NRC 0.70
- Visual awareness of space to students and staff through transparency to corridor

NOTES:

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

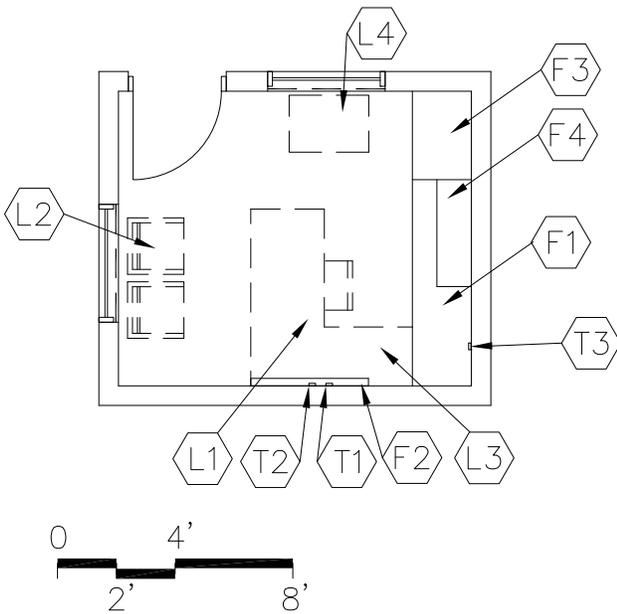
**READING ROOM/CIRCULATION
H-MC-1**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> ¹ :	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet or Carpet Tile	096816 096813	F1 Circulation desk casework	123550
<u>Base:</u>		F2 12'-20' combination chalk/marker board, tack board, tackable wall surface	101100
Resilient base	096500	F3 Library book shelving (see notes)	115123
<u>Ceiling:</u>		F4 Interior windows	081113/088000
Suspended, acoustical	095113	F5 Windows with integral blinds or shades	085113
<u>Walls:</u>		F6 Pencil sharpener support (optional)	062000
Painted concrete masonry units	042000/099100	F7 Reserved	
Acoustical wall treatment	098000	F8 Technology support casework	123550
<u>LOOSE FURNISHINGS</u> ² :		F9 Search station terminals	123550
L1 Mobile book carts		F10 Projection screen (optional)	115213
L2 Student tables		Roller window shades (optional)	122413
L3 Student chairs		<u>Fire Suppression:</u>	
L4 Casual seating chairs		Fire suppression system	211000
L5 Study carrels (optional)		<u>Plumbing:</u>	
L6 (3) Desk height file cabinets		N/A	
L7 Atlas stand (optional)		<u>HVAC:</u>	
L8 Computer workstation furniture		Supply/return air system	Div. 23
L9 Dictionary stand (optional)		Independent temperature control	230923
L10 Circulation desk task chair		<u>Electrical:</u>	
L11 Paperback book racks		Fluorescent lighting:	265100
L12 Newspaper racks		Illumination level: See Table 8600-5	
L13 Magazine display		Multilevel switching	262726
Wastebaskets		10 duplex receptacles	262726
<u>Miscellaneous:</u>		Double duplex receptacle adjacent to each data and video port	262726
Pencil sharpener (optional)		Emergency lighting per code	265100
The following items are to be funded by the owner:		Means of egress lighting per code	265100
M1 2 printers: 1 at circulation desk and 1 in student work area		<u>Communications:</u>	
M2 Copier		T1 1 video port and video display device	271533/271543/274119
		T2 1 voice port and phone at circulation desk	271513/ 273123
		T3 2 data ports for media center automation system	271513
		T4 4 data ports for classroom technology	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Circulation desks and library shelving can be loose furnishings.
3. Technology components maybe be placed in a separate small cabinet, or integrated in the other casework in the room.
4. Fixed casework and loose furnishings can be interchangeable.
5. Up to 20% of book shelving can be moveable.



PROGRAM ACTIVITIES:

- Media specialist to conduct duties

SPATIAL RELATIONSHIPS:

- Near reading room/circulation area
- Near workroom/storage
- Could be part of the media center reading room

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 1 - 3 persons
SIZE: 120 SF

NOTES:

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

**MEDIA SPECIALIST OFFICE
H-MC-2**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet or Carpet Tile	096816	F1 Work surface with file drawers	123550
	096813	F2 4' of tack board or tackable wall surface	101100
<u>Base:</u>		F3 Tall wardrobe	123550
Resilient base	096500	F4 Wall cabinets	123550
<u>Ceiling:</u>		F5 Bookcases (optional)	123550
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
<u>Walls:</u>		Fire suppression system	211000
Painted concrete masonry units	042000/099100	<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Desk and chair		Supply/return air system	Div. 23
L2 Visitor chairs		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
L3 Computer desk return		<u>Electrical:</u>	
L4 File cabinet		Single level switching	262726
Wastebasket		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window	081113/088000

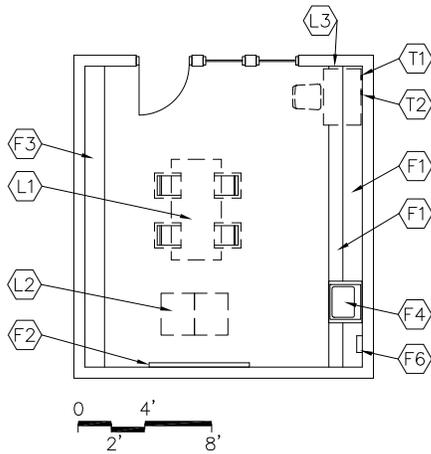
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

**WORKROOM/STORAGE
H-MC-3**

CHAPTER 6: HIGH SCHOOL

300 SF



PROGRAM ACTIVITIES:

- Space for receiving, processing, and repairing media material

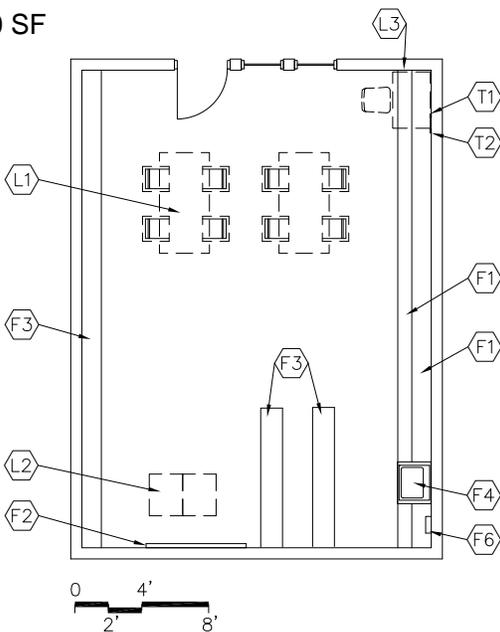
SPATIAL RELATIONSHIPS:

- Near reading room/circulation
- Near media specialist office

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Visual access to reading room/circulation

600 SF



CAPACITY: 2 - 8 staff
SIZE: 300 - 700 SF

NOTES:

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

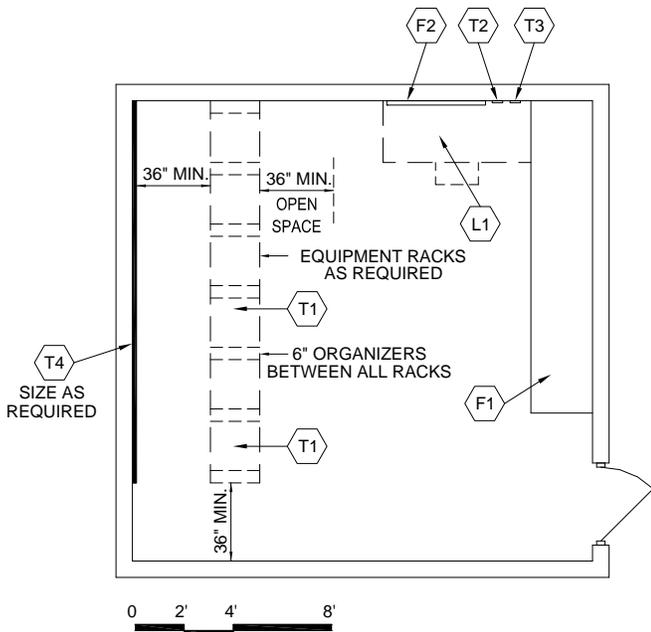
**WORKROOM/STORAGE
H-MC-3**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items²:</u>	
Linoleum , rubber, <i>ET or sheet</i>	096500	F1 26'-50' combination base, wall	123550
Vinyl	096516	and tall cabinets	
Option: Carpet, carpet tile	096813	F2 4'-8' of tack board or marker board	101100
	096816	F3 16'-60' of bookcases	123550
		F4 3' sink base cabinet	123550
Base:		F5 Reserved	
Resilient base	096500	F6 Towel dispenser	102813
Ceiling:		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	Sink	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Table and chairs		Supply/return air system	Div. 23
L2 Book trucks		Independent temperature control	230923
L3 Computer workstation		(coupled with similarly loaded	
Wastebasket		adjacent spaces)	
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to	
		each data port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window	081113/088000

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.



PROGRAM ACTIVITIES:

- Collection and distribution hub for the voice, video, and data networks within the facility
- Contains racks for distribution equipment

SPATIAL RELATIONSHIPS:

- Near the center of the building to minimize the number of Telecommunication Rooms (TR)

ENVIRONMENTAL CONSIDERATIONS:

- Ventilation and cooling of heat-generating electronic equipment

Note: Technology designer shall confer with school district technology director to determine equipment and space needed and coordinate with project designer.

CAPACITY: N/A
 SIZE: **(Baseline) (Minimum)** 300 - 400 SF

ER Utilized for local serving zone – add minimum 80 SF

ER Utilized as district N.O.C. – add minimum 150 SF

ER Utilized as building data center for central servers/thin client – add minimum 30 SF per 10 classrooms

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. **Verify and coordinate ER size and location with the technology designer during programming phase.**

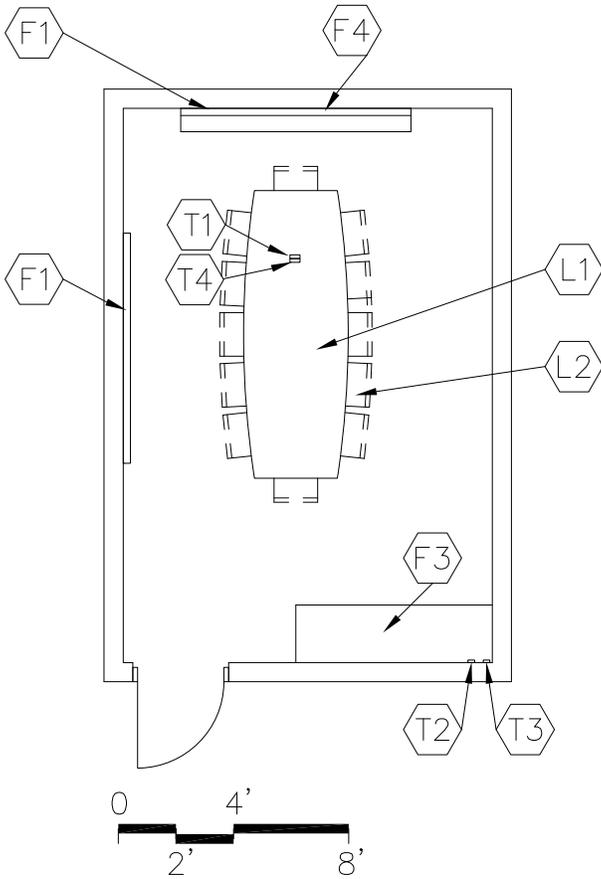
**MAIN CONTROL / EQUIPMENT ROOM
H-MC-4**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
ET or sheet vinyl	096500	F1 8'-16' of open shelving, depth may vary (fixed or loose)	123550
Base:		F2 4' of tack board or marker board (optional)	101100
Resilient base	096500	<u>Fire Suppression:</u>	
Ceiling:		Fire suppression system	211000
Suspended, acoustical	095113	<u>Plumbing:</u>	
Walls:		N/A	
Painted concrete masonry units	042000/099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Independent, packaged system	Div. 23
L1 Desk and chair		<u>Electrical:</u>	
Wastebasket		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		3 duplex receptacles	262726
		Duplex receptacle for electronic systems	262726
		Telecommunications Grounding	270526/260526
		Standby Power	263213/263600
		<u>Communications:</u>	
		T1 Technology Equipment	
		Central sound system	275123
		Telephone wiring	271313/271513
		Integrated telephone system	273123
		Video wiring	271333/271533/271543
		Digital on demand delivery system	274125
		Local area network wiring	271513/271323
		Local area network electronics	272100/ 272133
		Grounding & Infrastructure Equipment	270526/271100
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near workstation	271513
		T4 1/4" plywood back board	271313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		Security system	281300/281600/282300
		<u>Miscellaneous:</u>	
		Provide distribution equipment with an equipment electrical ground.	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



CAPACITY: 8 - 12 persons
 SIZE: 250 SF

PROGRAM ACTIVITIES:

- Used primarily by students for group projects

SPATIAL RELATIONSHIPS:

- Near reading room/circulation

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall minimum STC 45
 ceiling minimum CAC 35, NRC 0.70

NOTES:

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

**CONFERENCE ROOM
H-MC-5**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items²:</u>	
Carpet or Carpet Tile	096816 096813	F1 14'-18' combination chalk/marker board, tack board and tackable wall surface	101100
<u>Base:</u>		F2 Reserved	
Resilient base	096500	F3 4'-6' of base cabinets (optional) (fixed or mobile)	123550
<u>Ceiling:</u>		F4 Projection screen (optional)	115213
Suspended, acoustical	095113		
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted concrete masonry units	042000/099100	Fire suppression system	211000
		<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Conference table		Supply/return air system	Div. 23
L2 Chairs		Independent temperature control	230923
Wastebasket			
		<u>Electrical:</u>	
		Multilevel switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port	271513
		T4 Overhead projector	274119
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

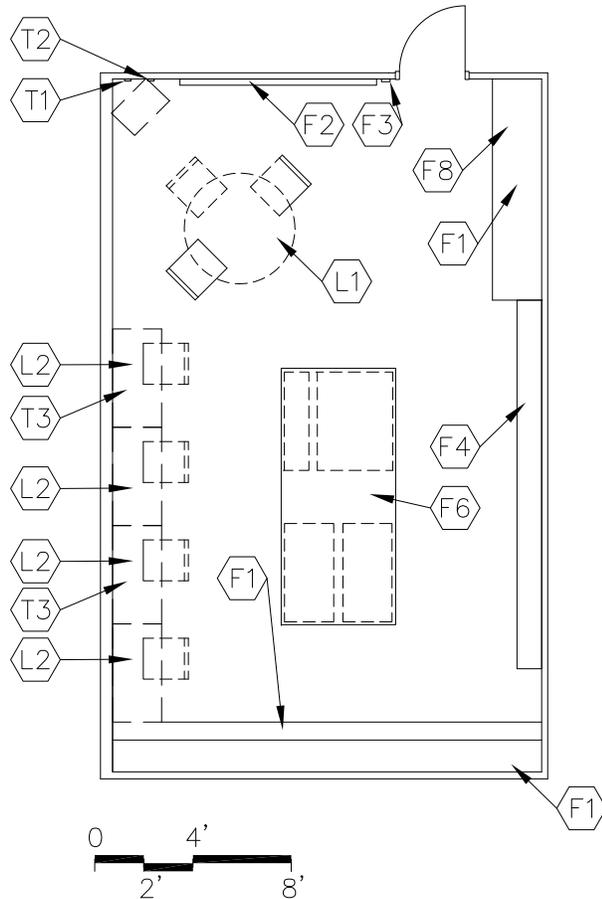
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.
3. Fixed casework and loose furnishings can be also all fixed or all loose.

MULTIMEDIA PRODUCTION ROOM H-MC-6

CHAPTER 6: HIGH SCHOOL

500 SF



CAPACITY:
SIZE:

5 - 7 persons
500 - 800 SF

PROGRAM ACTIVITIES:

- Production of a variety of media
- Individual student project work and student instruction
- Putting together student project presentations in media such as PowerPoint, video, reports, 3D models, etc.

SPATIAL RELATIONSHIPS:

- Near workroom/storage
- Near media center

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control –
wall **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70

NOTES:

1. Loose furnishings shown represent one of many possible arrangements.
2. This space could be an area inside the media center.

**MULTIMEDIA PRODUCTION ROOM
H-MC-6**

CHAPTER 6: HIGH SCHOOL

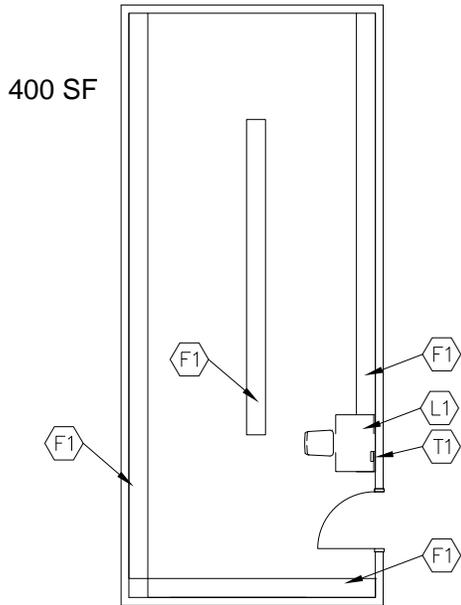
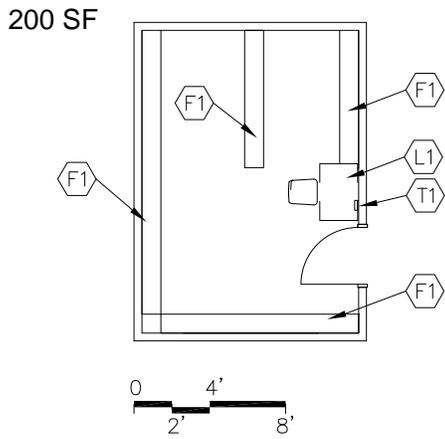
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items²:</u>	
Linoleum,	096500	F1 15'-45' combination base, wall and	
ET, sheet vinyl, or rubber	096516	tall cabinets	123550
Base:		F2 4'-8' of tack board or marker board	101100
Resilient base	096500	F3 Pencil sharpener support (optional)	062000
Ceiling:		F4 4' - 16' of tall bookcases	123550
Suspended, acoustical	095113	F5 Reserved	
Walls:		F6 Work surface	123550
Painted concrete masonry units	042000/099100	F7 Reserved	
		F8 Technology support casework (if applicable)	123550
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Tables and chairs/stools		Fire suppression system	211000
L2 Computer workstation furniture		<u>Plumbing:</u>	
Wastebasket		N/A	
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		Multilevel switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	
			271533/271543/274119
		T2 1 voice port and phone	271513/ 273123
		T3 4 data ports	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Pencil sharpener (optional)	
		Interior windows for supervision (optional)	
			081113/088000
		The following items to be provided by the school district:	
		Copier, scanner, printers, binders, laminators	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**DOCUMENT STORAGE
H-MC-7**

CHAPTER 6: HIGH SCHOOL



CAPACITY: N/A
 SIZE: 200 - 500 SF

PROGRAM ACTIVITIES:

- Secured storage for documents, including newspapers, periodicals, microfilm and microfiche

SPATIAL RELATIONSHIPS:

- Near reading room/circulation

ENVIRONMENTAL CONSIDERATIONS:

N/A

NOTES:

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

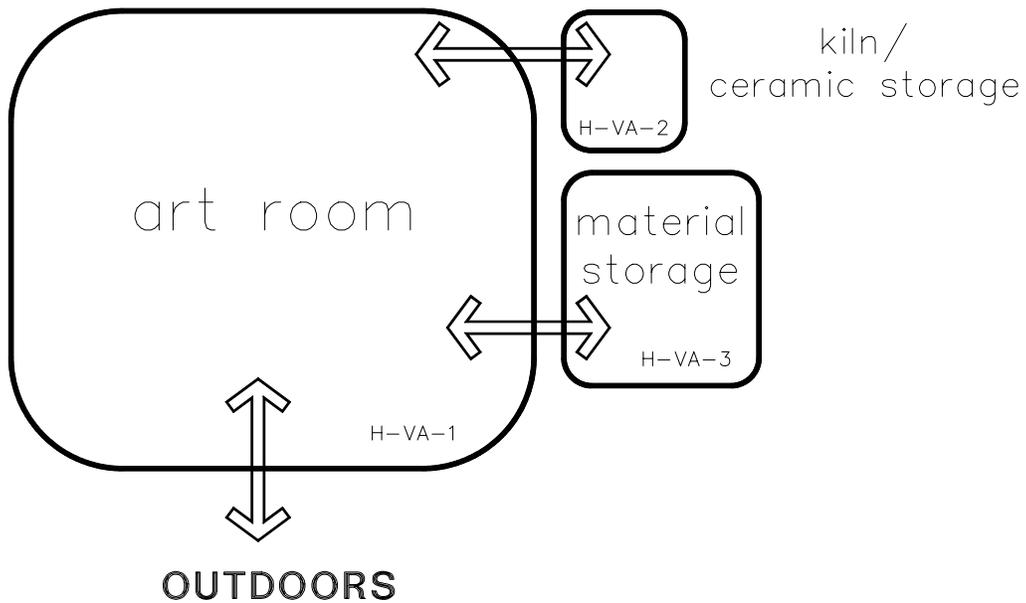
DOCUMENT STORAGE
H-MC-7

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#		Spec. Ref.#
FINISHES¹:		FEATURES:	
Flooring:		Fixed Items²:	
<i>Linoleum</i> , rubber, <i>ET</i> ,	096500	F1 36' – 80' of open shelving	
<i>sheet vinyl</i>	096516	(fixed or loose)	123550
Base:		Option: mobile storage shelving	105626
Resilient base	096500		
Ceiling:		Fire Suppression:	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		Plumbing:	
Painted concrete masonry units		N/A	
	042000/099100	HVAC:	
LOOSE FURNISHINGS:		To be determined by Design Professional	
L1 Computer worksurface		Supplemental heat as required	Div. 23
		Electrical:	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Single level switching	262726
		2 duplex receptacles	262726
		Communications:	
		T1 1 data port (optional)	271523
		Electronic Safety and Security:	
		N/A	
		Miscellaneous:	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**NOTE:**

This is an example of how the visual arts spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various areas of the building.

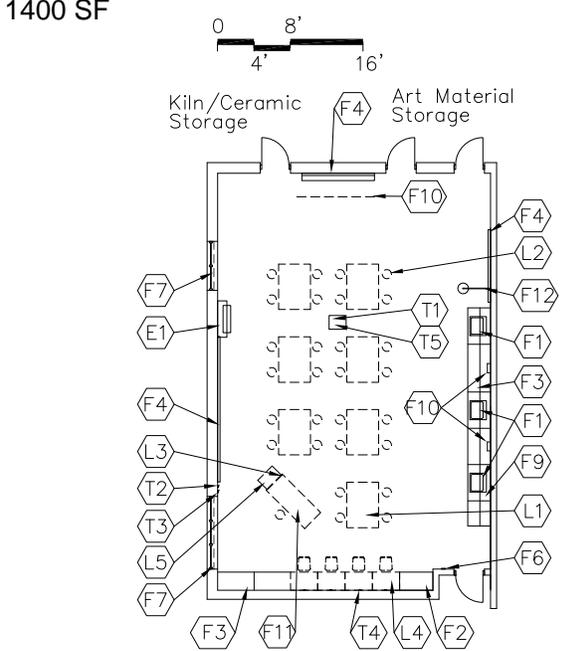
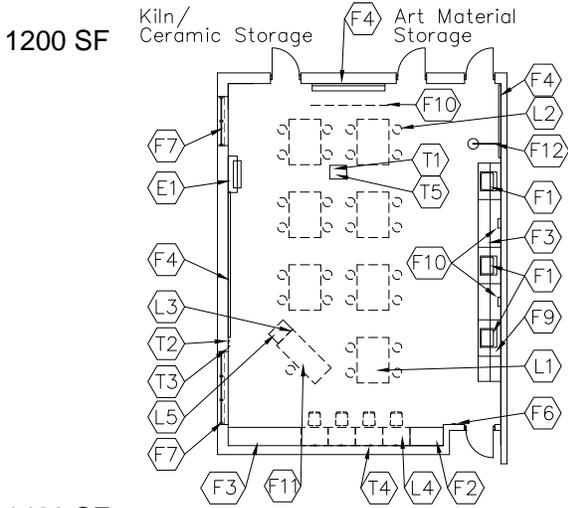
Following are the Visual Art space plates:

- H-VA-1 Art Room
- H-VA-2 Kiln/Ceramic Storage
- H-VA-3 Art Material Storage

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**ART ROOM
H-VA-1**

CHAPTER 6: HIGH SCHOOL



CAPACITY: 25 students
SIZE: 1,200 – 1,400 SF
ANCILLARY SPACES: Kiln/Ceramic Storage H-VA-2
 Art Material Storage H-VA-3

PROGRAM ACTIVITIES:

- Art students will work on a variety of art projects, both two- and three-dimensional. Projects will include drawing and painting, computer graphics, sculpture and model making, collage, fiber arts, and ceramics.

SPATIAL RELATIONSHIPS:

- Near academic core classrooms
- Direct access to outdoors or access through adjacent corridor

ENVIRONMENTAL CONSIDERATIONS:

- **Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design. Recommended: Daylighting design with glazing area determined by design solution.**
- Environmental sound control - wall **only** minimum STC 45 ceiling minimum STC 35, NRC 0.70
- Stain-resistant floor covering

NOTES:

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

**ART ROOM
H-VA-1**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum,	096516	F1 3'-4' sink base cabinet with wall cabinets	
ET, sheet vinyl, rubber,	096500	above or wash fountains	123550
sealed concrete,	033000	F2 Tall wardrobe with file drawers	123550
polished concrete finishing, or	033510	F3 16'-22' combination base, wall and	123550
colored concrete finishing	033519	tall cabinets	
		F4 22'-36' combination chalk/marker	101100
		board, tack board, tackable wall surface	
<u>Base:</u>		F5 Reserved	
Resilient base	096500	F6 Pencil sharpener support(<i>optional</i>)	062000
		F7 Windows with integral blinds	085113
<u>Ceiling:</u>		F8 Reserved	
Suspended, acoustical	085113	F9 Towel dispenser	102813
		F10 Projection screen (optional)	115213
<u>Walls:</u>		F11 Technology support casework	123550
Painted concrete masonry units	042000/099100	F12 Emergency eyewash	224000
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Student work tables		Sinks with solids interceptor	224000
L2 Student chairs or stools		Plumbing connections	224000/221116/221119
L3 Teacher desk and chair and teacher		Emergency eyewash connections	224000
computer support		<u>HVAC:</u>	
L4 Computer workstation furniture		Supply/return air system	Div. 23
L5 Desk height file cabinet		Independent temperature control	230923
Wastebasket		Manually controlled general exhaust	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to	
		each data and video port	262726
		Track lighting (optional)	265100
		Means of egress lighting per code	265100
		Emergency lighting per code	265100
		Power for potters wheels	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port	
		near teacher workstation	271513
		T4 4 data ports (minimum)	
		for classroom technology	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
Pencil sharpener (optional)			
Potter wheels by owner			

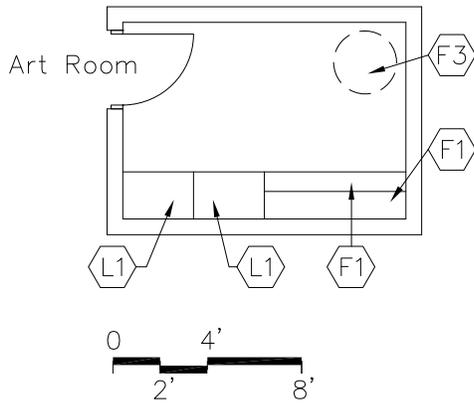
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

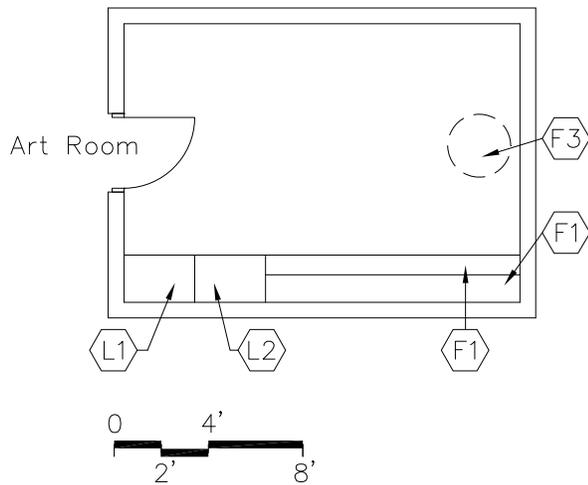
**KILN/CERAMIC STORAGE
H-VA-2**

CHAPTER 6: HIGH SCHOOL

100 SF



200 SF



CAPACITY: N/A
 SIZE: 100 - 300 SF
 ANCILLARY SPACES: Art Room
 H-VA-1

PROGRAM ACTIVITIES:

- Firing of art projects in ceramics and pottery by the teacher

SPATIAL RELATIONSHIPS:

- Adjacent to art room
- Near art material storage

ENVIRONMENTAL CONSIDERATIONS:

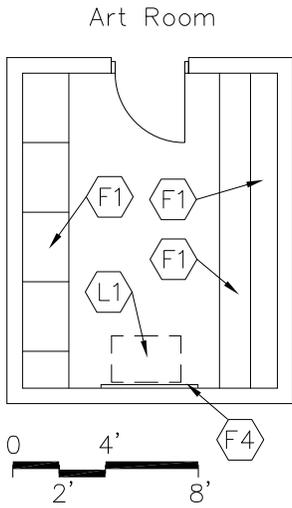
- Ventilation controlled by a thermostat

NOTES:

**ART MATERIAL STORAGE
H-VA-3**

CHAPTER 6: HIGH SCHOOL

200 SF



PROGRAM ACTIVITIES:

- Storage of art supplies and materials

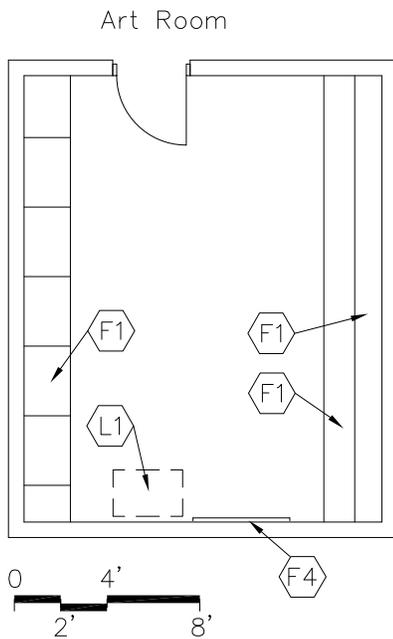
SPATIAL RELATIONSHIPS:

- Adjacent to art room

ENVIRONMENTAL CONSIDERATIONS:

- Stain-resistant floor covering

300 SF



CAPACITY:

N/A

SIZE:

200 - 400 SF

ANCILLARY SPACES:

Art Room

H-VA-1

NOTES:

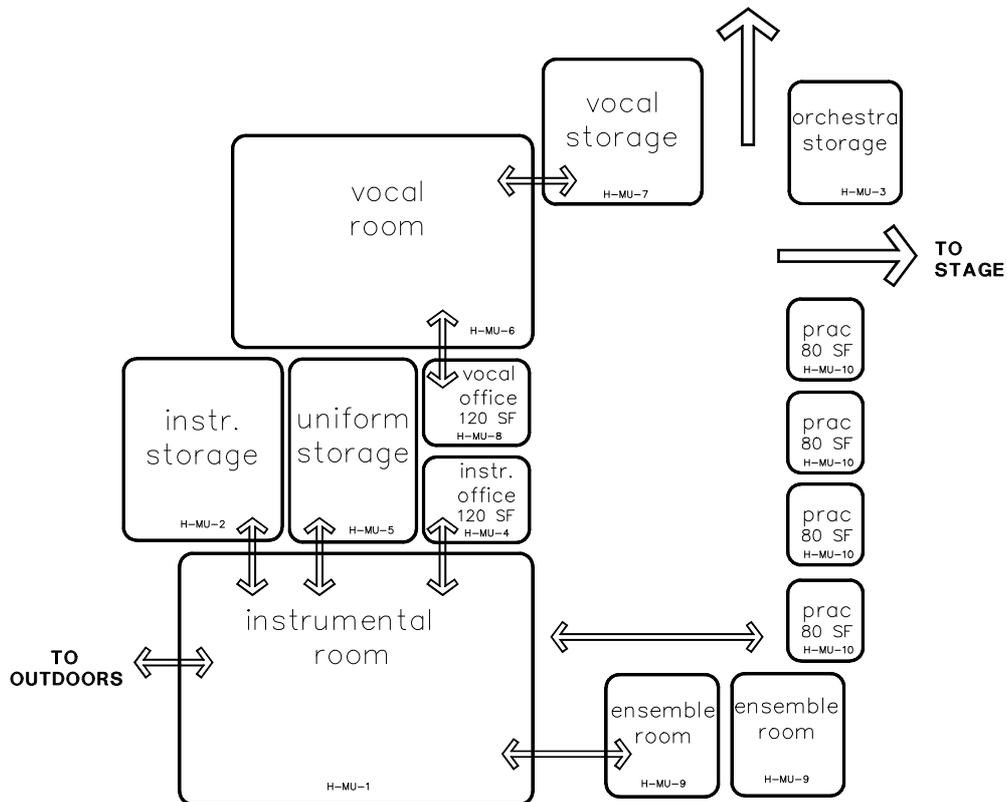
**ART MATERIAL STORAGE
H-VA-3**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items²:</u>	
ET, sealed concrete, rubber,	096500	F1 16' – 28' combination tall storage	123550
sheet vinyl,	033000	cabinets and wall cabinets	
polished concrete finishing, or	033510	F2 8' - 14' base cabinets,	
colored concrete finishing	033519	(depth for school's need)	123550
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Mobile materials cart		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		Duplex receptacle above base cabinet	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.



NOTES:

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

Following are the Music space plates:

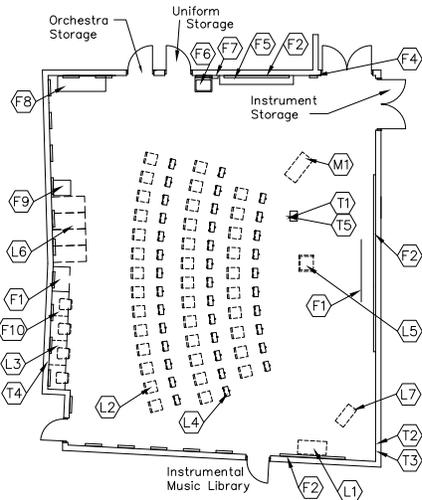
H-MU-1	Instrumental Room
H-MU-2	Instrument Storage
H-MU-3	Orchestra Storage
H-MU-4	Instrumental Music Library
H-MU-5	Uniform Storage
H-MU-6	Vocal Room
H-MU-7	Vocal Storage
H-MU-8	Vocal Music Library
H-MU-9	Ensemble Room
H-MU-10	Practice Room

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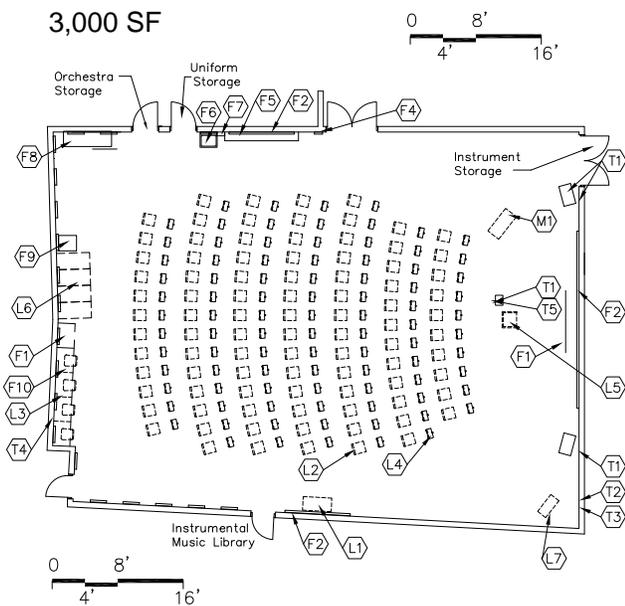
**INSTRUMENTAL ROOM
H-MU-1**

CHAPTER 6: HIGH SCHOOL

1,800 SF



3,000 SF



CAPACITY: 40 – 90 students
SIZE: 1,800 – 3,000 SF
ANCILLARY SPACES: Instrument Storage
 H-MU-2
 Orchestra Storage, H-MU-3
 Instrumental Music Library, H-MU-4
 Uniform Storage, H-MU-5

PROGRAM ACTIVITIES:

- All instrumental music activities including marching band, concert jazz, and pep bands
- Individual, small group and class size practice
- Computer composition and performance of music
- Music reading instruction

SPATIAL RELATIONSHIPS:

- Grouped with other noise producing activities
- Access to parking
- Direct access to outdoors
- Convenient access to stage
- Near vocal room
- Adjacent to instrumental music library, and instrument, orchestra and uniform storage
- Near practice rooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall minimum STC 60
 ceiling minimum CAC 35, NRC 0.70
- Large doors
- Ceiling heights: 14' minimum,
 18'-20' preferred; 24' maximum
- Acoustical requirements and other factors as determined by final configuration and other factors of the space

NOTES:

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

**INSTRUMENTAL ROOM
H-MU-1**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, carpet tile,	096500	F1 Projection screen (optional)	115213
linoleum, rubber, ET,	096516	F2 12'-32' combination chalk/marker board,	
or sheet vinyl	096816	tack board & tackable wall surface	101100
	096813	F3 Reserved	
<u>Base:</u>		F4 Pencil sharpener support (optional)	062000
Resilient	096500	F5 4'-9' of bookcases (see note 3)	123550
		F6 3' sink base cabinet	123550
<u>Ceiling:</u>		F7 Towel dispenser	102813
Suspended, acoustical	095113	F8 Wardrobe (optional in storage room)	
		F9 Stereo cabinet (optional)	
<u>Walls:</u>		F10 Technology support casework	123550
Painted concrete masonry units		<u>Fire Suppression:</u>	
	042000/099100	Fire suppression system	211000
Acoustical wall treatment		<u>Plumbing:</u>	
(varies with geometry of room)	098000	Sink, 10" deep	224000
absorptive 25%, reflective 25%,		<u>HVAC:</u>	
diffusive 50%		Supply/return air system	Div. 23
		Independent temperature control	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Mobile sheet music cabinet		Fluorescent lighting:	265100
L2 Music chairs and caddies		Illumination level: see table 8600-5	
L3 Computer workstation furniture		Multilevel switching	262726
L4 Music stands		6 duplex receptacles	262726
L5 Conducting podium		Double duplex receptacle adjacent to	
L6 Mobile percussion instrument storage		each data and video port	262726
cabinet		Emergency lighting per code	265100
L7 Teacher workstation		Means of egress lighting per code	265100
Wastebasket		Telecommunications Grounding	270526/260526
		<u>Communications:</u>	
<u>Miscellaneous:</u>		T1 1 video port	271533/271543
Pencil sharpener (optional)		T2 1 voice port and phone	271513/ 273123
Doors are to have acoustic trim accessories or		T3 1 data port	271513
sound doors.		T4 4 data ports for classroom technology	271513
The following items are to be funded by the		Clock	275313
school district:		Central sound system	275123
M1 Piano		High school music sound system	275126
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111

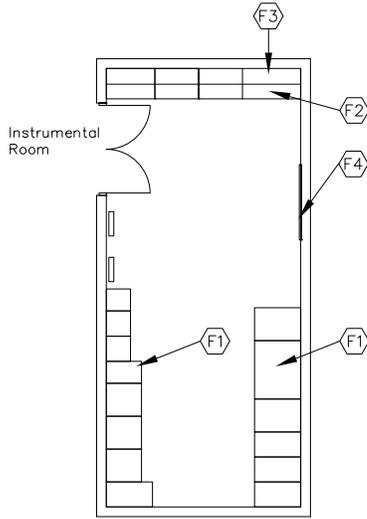
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Sink could be in storage room.
3. For small population schools, provide additional bookcases or cabinets in lieu of H-MU-3 music library.

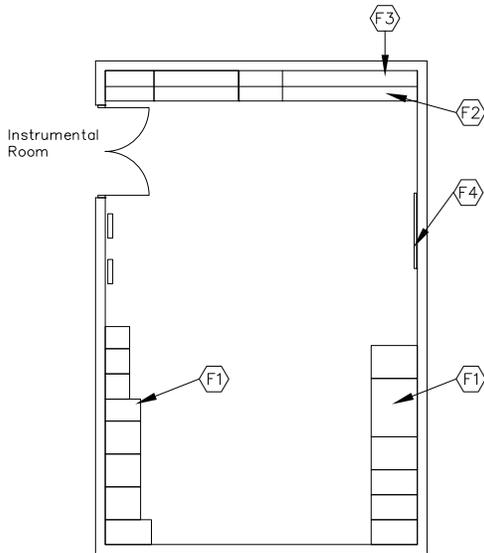
**INSTRUMENT STORAGE
H-MU-2**

CHAPTER 6: HIGH SCHOOL

400 SF



700 SF



CAPACITY: N/A
 SIZE: 400 - 800 SF
 ANCILLARY SPACES: Instrumental Room
 H-MU-1

PROGRAM ACTIVITIES:

- Storage of band instruments

SPATIAL RELATIONSHIPS:

- Adjacent to instrumental room
- Access to outdoors through instrumental room
- Instrument storage casework to accommodate the potential number and type of instruments

ENVIRONMENTAL CONSIDERATIONS:

- Wide doors

NOTES:

**INSTRUMENT STORAGE
H-MU-2**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> :	Spec. Ref.#
Flooring:		<u>Fixed Items</u> ² :	
Linoleum, rubber, ET, or sheet vinyl	096500 096516	F1 Miscellaneous instrument storage Cabinets and racks	123550
Base:		F2 3'-5' of base cabinets (optional)	123550
Resilient base	096500	F3 3'-5' of wall cabinets (optional)	123550
Ceiling:		F4 4' of tack board (optional)	101100
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
Walls:		Fire suppression system	211000
Painted concrete masonry units	042000/099100	<u>Plumbing:</u>	
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Wastebasket		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Single level switching	262726
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

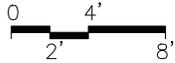
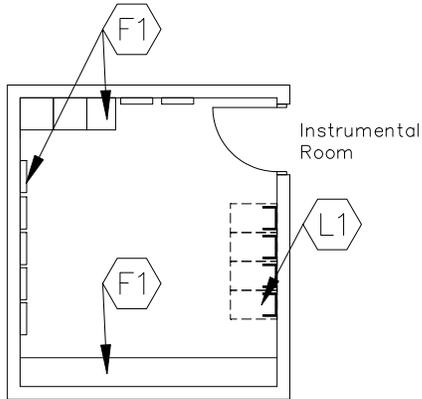
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

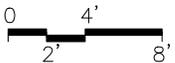
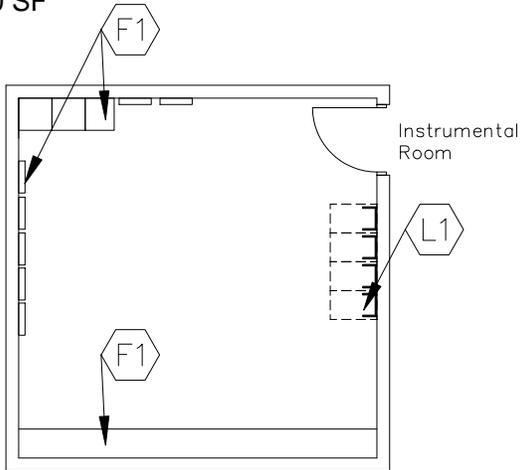
**ORCHESTRA STORAGE
H-MU-3**

CHAPTER 6: HIGH SCHOOL

200 SF



350 SF



CAPACITY: N/A
 SIZE: 200 - 500 SF
 ANCILLARY SPACES: Instrumental Room
 H-MU-1

PROGRAM ACTIVITIES:

- Storage of orchestra instruments

SPATIAL RELATIONSHIPS:

- Direct access to instrumental room
- Access to outdoors through instrumental room
- Instrument storage casework to accommodate the potential number and type of instruments

ENVIRONMENTAL CONSIDERATIONS:

- Wide doors

NOTES:

**ORCHESTRA STORAGE
H-MU-3**

CHAPTER 6: HIGH SCHOOL

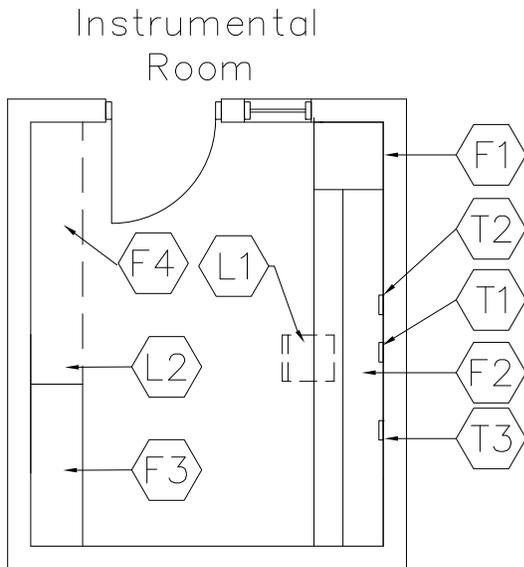
	Spec. Ref.#		Spec. Ref.#
FINISHES¹:		FEATURES:	
Flooring:		Fixed Items:	
Linoleum, rubber, ET, or sheet vinyl	096500 096516	F1 Miscellaneous instrument storage Cabinets and racks	123550
Base:		Fire Suppression:	
Resilient base	096500	Fire suppression system	211000
Ceiling:		Plumbing:	
Suspended, acoustical	095113	N/A	
Walls:		HVAC:	
Painted concrete masonry units	042000/099100	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
LOOSE FURNISHINGS:		Electrical:	
L1 Carts for large instruments		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Single level switching	262726
		1 duplex receptacle	262726
		Communications:	
		N/A	
		Electronic Safety and Security:	
		N/A	
		Miscellaneous:	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**INSTRUMENTAL MUSIC LIBRARY
H-MU-4**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Area for the band director to do planning, scheduling, grading, and conferencing

SPATIAL RELATIONSHIPS:

- Adjacent to instrumental room
- Adjacent to ensemble and practice rooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
walls minimum STC 45
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 1 - 3 persons
 SIZE: 120 SF
 ANCILLARY SPACES: Instrumental Room
 H-MU-1

NOTES:

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

**INSTRUMENTAL MUSIC LIBRARY
H-MU-4**

CHAPTER 6: HIGH SCHOOL

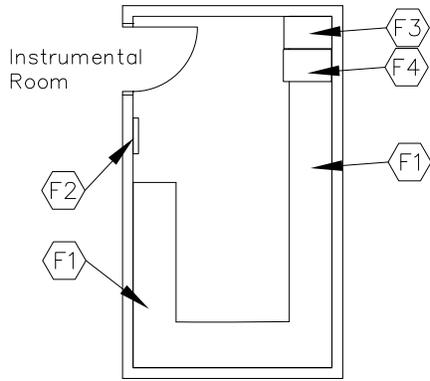
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, carpet tile, linoleum , ET, sheet vinyl	096816	F1 Tall wardrobe	123550
	096813	F2 Work surface with file drawers	123550
	096516	F3 2'-4' tall storage cabinet (optional)	123550
	096500	F4 Shelving or mobile music storage shelving	123550 105626
<u>Base:</u>		F5 4' of tack board (optional)	101100
Resilient base	096500		
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted gypsum wallboard over metal studs	092116/099100	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Chair		Supply/return air system	Div. 23
L2 Sheet music storage Wastebasket		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

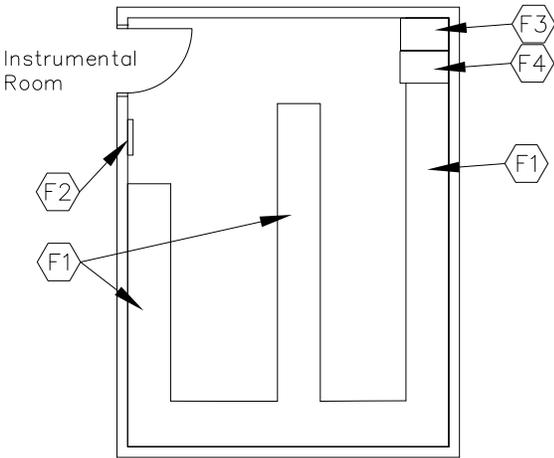
1. Finishes/Features: Refer to Chapter 9 for specification references.

CHAPTER 6: HIGH SCHOOL

150 SF



300 SF



PROGRAM ACTIVITIES:

- Storage of instrumental uniforms

SPATIAL RELATIONSHIPS:

- Adjacent to instrumental room

ENVIRONMENTAL CONSIDERATIONS:

N/A

CAPACITY: N/A
 SIZE: 150-400 SF
 ANCILLARY SPACES: Instrumental Room
 H-MU-1

NOTES:

**UNIFORM STORAGE
H-MU-5**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> :	Spec. Ref.#
Flooring:		<u>Fixed Items</u> ² :	
<i>Linoleum</i> , rubber, <i>ET, or sheet</i> <i>vinyl</i>	096500 096516	F1 20'-44' of uniform and hat storage cabinets	123550
Base:		F2 20" x 60" mirror (optional)	102813
Resilient base	096500	F3 Tall cabinets (optional)	123550
Ceiling:		F4 Bins for auxiliary core equipment (optional)	123550
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
Walls:		Fire suppression system	211000
Painted concrete masonry units	042000/099100	<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
N/A		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: see table 8600-5	
		Single level switching	262726
		1 Duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

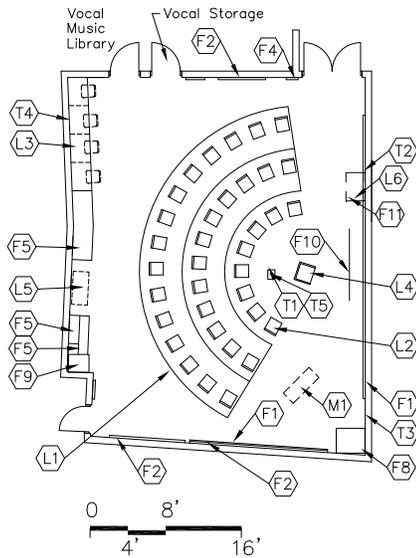
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

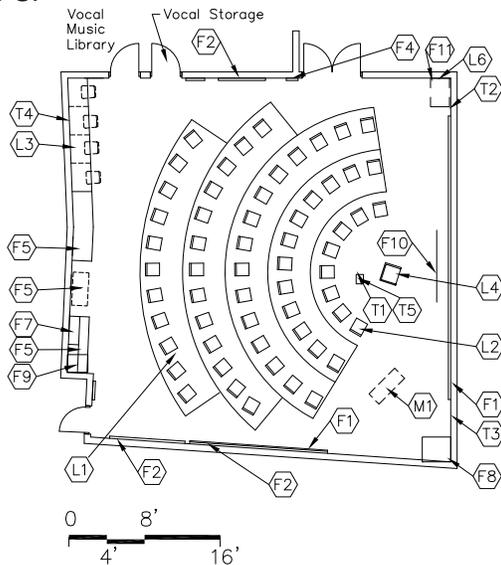
**VOCAL ROOM
H-MU-6**

CHAPTER 6: HIGH SCHOOL

1,200 SF



1,500 SF



CAPACITY: 35 - 60 students
SIZE: 1200 - 1500 SF
ANCILLARY SPACES:
 Vocal Music Library, H-MU-8
 Vocal Storage, H-MU-7

PROGRAM ACTIVITIES:

- Vocal music activities including chamber choir, concert and swing choirs
- Solo, sectional, and class size practice
- Computer composition and performance of music
- Music reading instruction

SPATIAL RELATIONSHIPS:

- Grouped with other noise producing activities
- Convenient access to stage
- Near instrumental room
- Adjacent to vocal music library and vocal storage
- Near practice and ensemble rooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall minimum STC 60
 ceiling minimum CAC 35, NRC 0.70
- Large doors
- High ceilings
- Acoustical requirements and other factors as determined by final configuration of the space

NOTES:

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

**VOCAL ROOM
H-MU-6**

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#	FEATURES ¹ :	Spec. Ref.#
FINISHES¹:		Fixed Items:	
Flooring:		F1 5'-6' high mirror mounted 12" above floor	088300
Carpet, carpet tile	096816	F2 16'-32' combination chalk/marker board, tack board, tackable wall surface	101100
Optional: ET, sheet vinyl linoleum, or rubber	096500 096516 096813	F3 Reserved	
Base:		F4 Pencil sharpener support (<i>optional</i>)	062000
Resilient	096500	F5 11'-18' combination base, wall and tall cabinets	123550
Ceiling:		F6 Reserved	
Suspended acoustical	095113	F7 Reserved	
Absorptive 25%, reflective 25%, diffusive 50%		F8 Stereo cabinet (optional)	123550
Walls:		F9 Tall wardrobe (optional)	123550
Painted concrete masonry units	042000/099100	F10 Projection screen (optional)	115213
Acoustical wall treatment (varies with geometry of room)	098000	F11 Technology support casework	123550
LOOSE FURNISHINGS:		Fire Suppression:	
L1 Portable risers		Fire suppression system	211000
L2 Music chairs and caddies		Plumbing:	
L3 Computer workstation furniture		N/A	
L4 Conducting podium		HVAC:	
L5 Mobile sheet music cabinet		Supply/return air system	Div. 23
L6 Teacher computer workstation		Independent temperature control	230923
Wastebasket		Electrical:	
Miscellaneous:		Fluorescent lighting:	265100
Pencil sharpener (optional)		Illumination level: See Table 8600-5	
Gasketing on doors or sound doors		Multilevel switching	262726
The following item is to be funded by the owner:		6 duplex receptacles	262726
M1 Piano & electronic keyboard(s)		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Telecommunications Grounding	270526/260526
		Communications:	
		T1 2 video ports	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port	271513
		T4 4 data ports for classroom technology	271513
		Clock	275313
		High school sound system	275126
		Central sound system	275123
		T5 Overhead projector	274119
		Electronic Safety and Security:	
		Life safety devices per code	283111

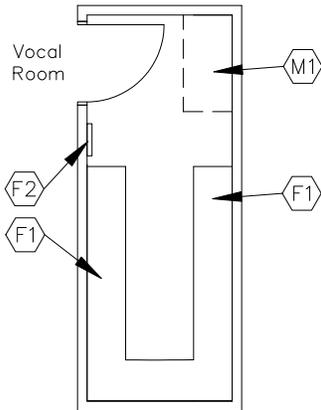
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**VOCAL STORAGE
H-MU-7**

CHAPTER 6: HIGH SCHOOL

150 SF



PROGRAM ACTIVITIES:

- Secure storage of choir costumes, tuxedos, and risers

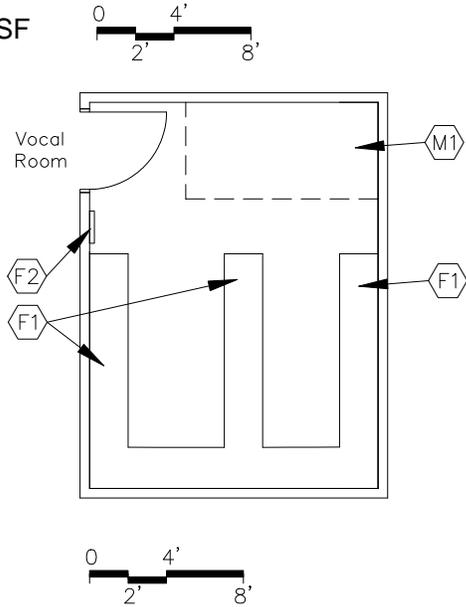
SPATIAL RELATIONSHIPS:

- Adjacent to vocal room

ENVIRONMENTAL CONSIDERATIONS:

N/A

300 SF



CAPACITY:

N/A

SIZE:

150-400 SF

ANCILLARY SPACES:

Vocal Room

H-MU-6

NOTES:

**VOCAL STORAGE
H-MU-7**

CHAPTER 6: HIGH SCHOOL

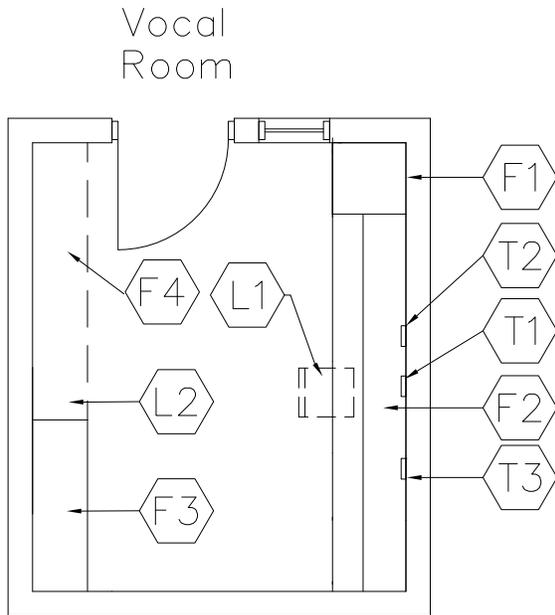
<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> :	Spec. Ref.#
Flooring:		<u>Fixed Items</u> ² :	
<i>Linoleum, rubber, ET, or sheet vinyl</i>	096500 096516	F1 20'-40' of high robe storage cabinets	123550
		F2 20" x 60" mirror (optional)	102813
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	To be determined by Design Professional	
		Supplemental heating as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Single level switching	262726
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		M1 Space for storage of portable risers	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**VOCAL MUSIC LIBRARY
H-MU-8**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Area for the choir director to do planning, scheduling, grading, and conferencing

SPATIAL RELATIONSHIPS:

- Adjacent to instrumental room
- Adjacent to ensemble and practice rooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 1 - 3 persons
 SIZE: 120 SF
 ANCILLARY SPACES:

NOTES:

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

**VOCAL MUSIC LIBRARY
H-MU-8**
CHAPTER 6: HIGH SCHOOL

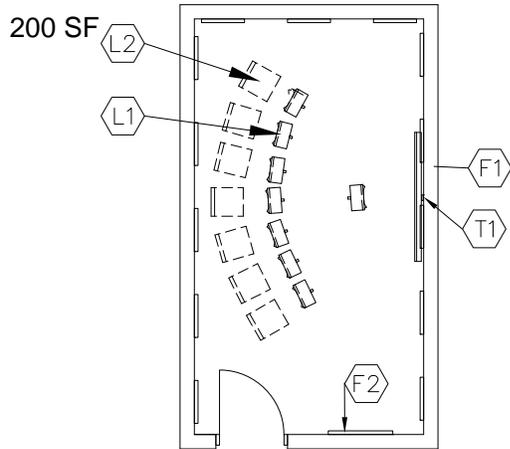
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Carpet, carpet tile	096816	F1 Tall wardrobe	123550
Option: Linoleum, rubber, ET or sheet vinyl	096813 096516 096500	F2 Work surface with file drawers	123550
		F3 2'-4' tall storage cabinet	123550
		F4 Shelving or mobile storage shelving	123550
<u>Base:</u>		F5 4' of tack board (optional)	105626
Resilient base	096500		101100
		<u>Fire Suppression:</u>	
<u>Ceiling:</u>		Fire suppression system	211000
Suspended, acoustical	095113		
		<u>Plumbing:</u>	
<u>Walls:</u>		N/A	
Painted gypsum wallboard over metal studs	092116/099100		
		<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Supply/return air system	Div. 23
L1 Chair		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
L2 Sheet music storage			
Wastebasket		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

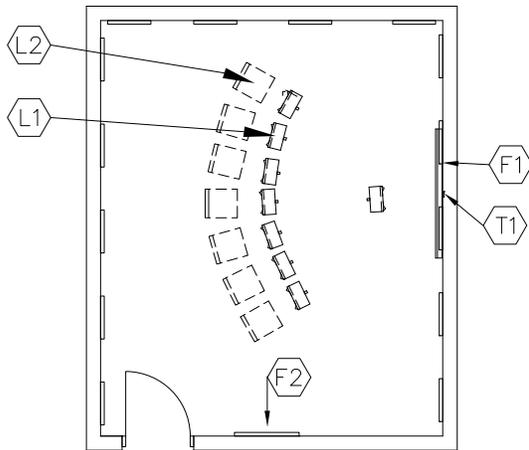
1. Finishes/Features: Refer to Chapter 9 for specification references.

**ENSEMBLE ROOM
H-MU-9**

CHAPTER 6: HIGH SCHOOL



300 SF



CAPACITY: 5 - 7 students
SIZE: 200 - 400 SF

PROGRAM ACTIVITIES:

- Small group practice

SPATIAL RELATIONSHIPS:

- Near practice room
- Close proximity to vocal and instrumental rooms
- Close proximity to vocal, instrument and orchestra storage rooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 60
ceiling minimum CAC 35, NRC 0.70

NOTES:

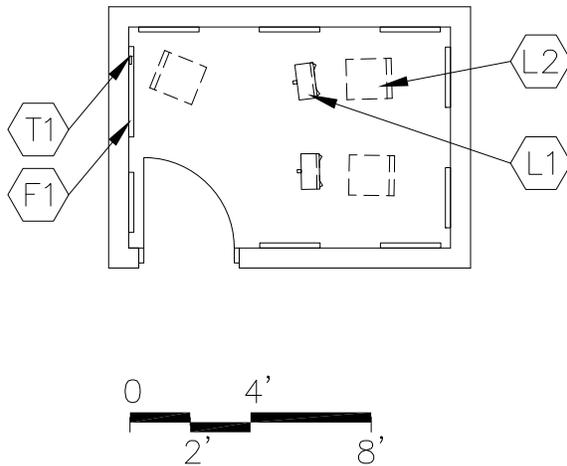
1. Loose furnishings shown represent one of many possible arrangements.

**ENSEMBLE ROOM
H-MU-9**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet, carpet tile	096816	F1 4'-6' of marker board (optional)	101100
Option: Linoleum, rubber, ET, or sheet vinyl	096813 096516 096500	F2 4' of tack board (optional)	101100
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical absorptive 25%, reflective 25%, diffusive 50%	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Supply/return air system	Div. 23
Acoustical wall treatment (varies with geometry of room)	098000	Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Music stands		Fluorescent lighting:	265100
L2 Music chairs		Illumination level: See Table 8600-5	
		Single level switching	262726
		3 duplex receptacles	262726
		<u>Communications:</u>	
		Clock	275313
		Central sound system	275123
		T1 1 data port	271513
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Provide 4' door	
		Gasketing on doors or sound doors	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**PROGRAM ACTIVITIES:**

- Individual and small group practice
- Private lessons

SPATIAL RELATIONSHIPS:

- Near ensemble room
- Close proximity to vocal and instrumental rooms
- Close proximity to vocal, instrument and orchestra storage rooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 60
ceiling minimum CAC 35, NRC 0.70
- Access capability

CAPACITY: 1 - 2 students
SIZE: 80 SF

NOTES:

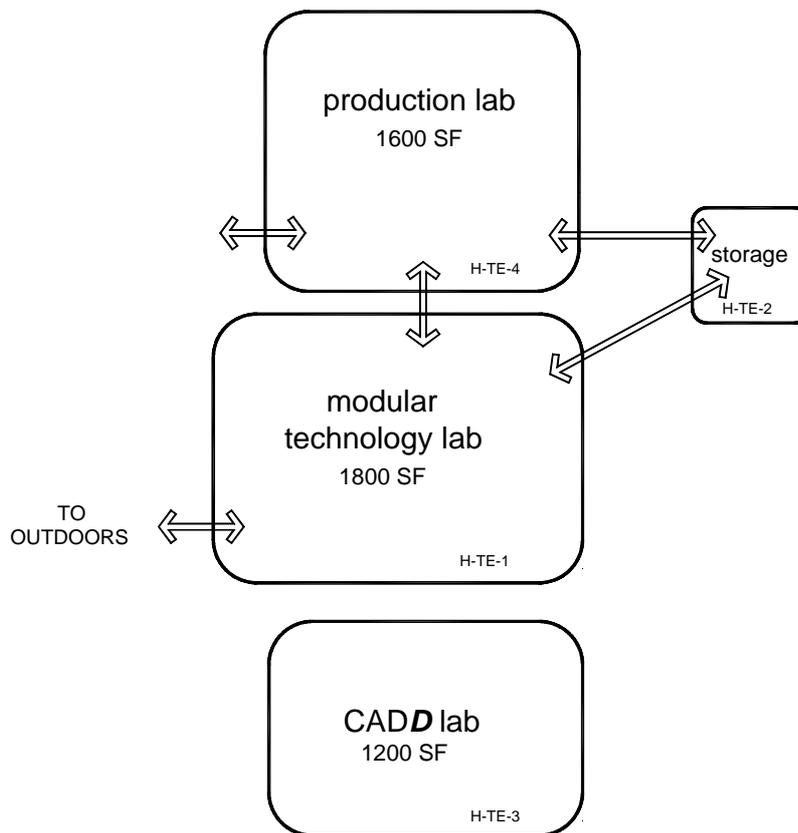
1. Loose furnishings shown represent one of many possible arrangements.

**PRACTICE ROOM
H-MU-10**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet, carpet tile	096816	F1 3' wide x 5' high mirror mounted	
Option: Linoleum, rubber, ET	096813	12" above finish floor (optional)	088300
or sheet vinyl	096516		
	096500	<u>Fire Suppression:</u>	
Base:		Fire suppression system	211000
Resilient base	096500		
		<u>Plumbing:</u>	
Ceiling:		N/A	
Suspended, acoustical	095113	<u>HVAC:</u>	
Absorptive 25%, reflective 25%, diffusive 50%		Supply/return air system	Div. 23
Walls:		Independent temperature control	230923
Painted concrete masonry units	042000/099100	(coupled with similarly loaded adjacent spaces)	
Acoustical wall treatment		<u>Electrical:</u>	
(varies with geometry of room)	098000	Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
<u>LOOSE FURNISHINGS:</u>		Single level switching	262726
L1 Music stands		2 duplex receptacles	262726
L2 Music chairs		<u>Communications:</u>	
		Central sound system	275123
		T1 1 data port	271513
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Gasketing on doors or sound doors	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**NOTE:**

This is an example of how the technology education spaces in a high school could be arranged. This is meant to demonstrate the relationships between various areas of the building.

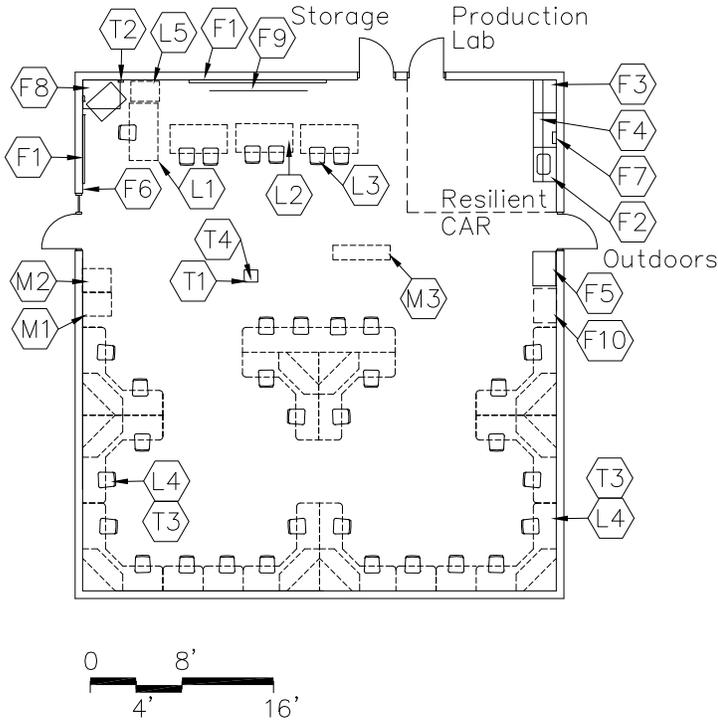
Following are the Technology Education space plates:

H-TE-1	Modular Technology Lab
H-TE-1a	Ag-Ed Lab
H-TE-2	Storage
H-TE-3	CADD Lab
H-TE-4	Production Lab

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**MODULAR TECHNOLOGY LAB
H-TE-1**

CHAPTER 6: HIGH SCHOOL



CAPACITY: 25 students
 SIZE: 1,800 SF
 ANCILLARY SPACES: H-TE-4
 Production Lab

PROGRAM ACTIVITIES:

- Accommodate groups of 2 or 3 students working with separate computerized modules in various technical areas that could include robotics, electronics, thermodynamics, research and design, and desktop publishing.
- Integrate this curriculum with the science and math programs.
- Introduce students to problem solving activities.
- Variety of hands-on activities/experiments which could include automation, wind tunnels, flight technology, digital imaging, and meteorology.

SPATIAL RELATIONSHIPS:

- Grouped with other noise producing type activities
- Access to driveway and parking
- Direct access to outdoors
- Adjacent to production lab
- Adjacent to storage room

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70
- Resilient floor covering

NOTES:

1. Loose furnishings represent one of many possible arrangements.

**MODULAR TECHNOLOGY LAB
H-TE-1**

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#	FEATURES ¹ : Fixed Items:	Spec. Ref.#
FINISHES¹:			
Flooring:			
Linoleum, rubber, ET, or sheet	096500	F1 12'-26' combination chalk/marker board tack board, tackable wall surface	101100
vinyl 4' width in front of cabinets	096516	F2 3' sink base cabinet	123550
Carpet, carpet tile	096816 096813	F3 About 9' of wall cabinets	123550
		F4 About 6' of base cabinet with heavy duty counter top	123550
Base:			
Resilient base	096500	F5 Tall cabinet (optional)	123550
Ceiling:			
Suspended, acoustical	095113	F6 Pencil sharpener support (optional)	062000
Walls:			
Painted concrete masonry units	042000/099100	F7 Towel dispenser	102813
		F8 Tall wardrobe	123550
		F9 Projection screen (optional)	115213
		F10 Technology support casework	123550
LOOSE FURNISHINGS:			
L1 Teacher desk/computer support and chair		Fire Suppression:	
L2 Tables with heavy duty top		Fire suppression system	211000
L3 Student stools/chairs		Plumbing:	
L4 Computer technology workstation		Sink, 12" deep	224000
L5 File cabinet		Plumbing connections	224000/221116/221119
Wastebasket		HVAC:	
		Supply/return air system	Div. 23
		Independent temperature controls	230923
		Electrical:	
		Fluorescent lighting with parabolic lenses	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Receptacle for printer	262726
		Communications:	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 Classroom area network (25 data ports minimum)	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T4 Overhead projector	274119
		Electronic Safety and Security:	
		Life safety devices per code	283111
Miscellaneous:			
Pencil sharpener (optional)			
The following items are to be funded by the school district:			
M1 Classroom Area Network file server			
M2 Printer			
M3 Plotter			

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

CHAPTER 6: HIGH SCHOOL

CAPACITY: 18 students
SIZE: 1,800 SF
ANCILLARY SPACES: H-TE-2
 Storage

PROGRAM ACTIVITIES:

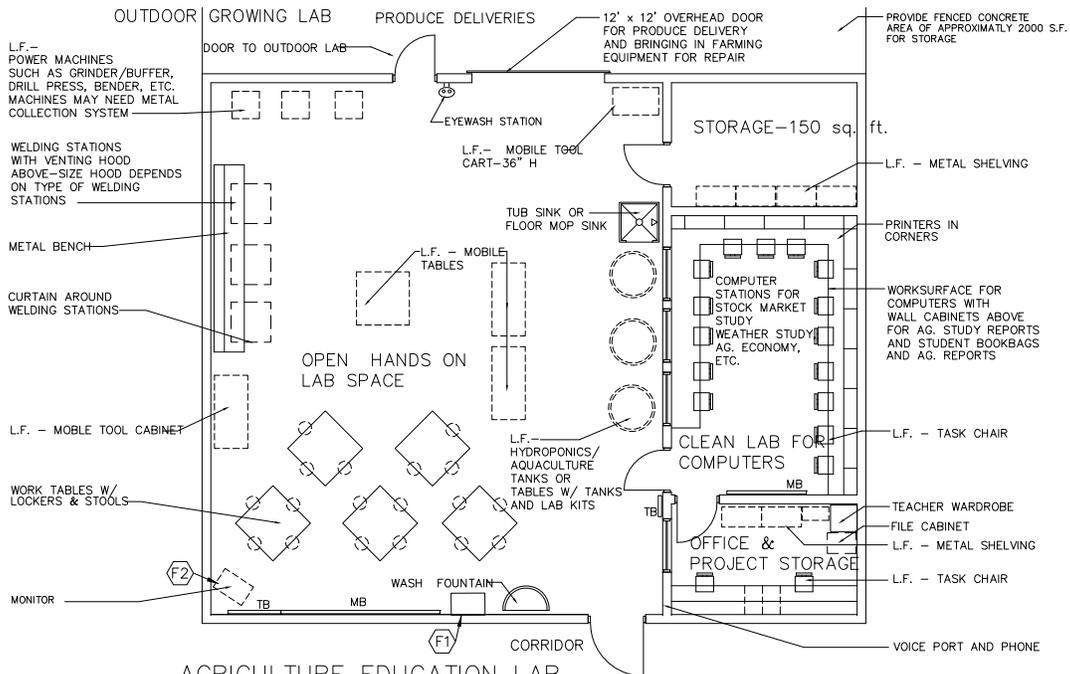
- Individual instruction in agriculture programs such as plant and animal science, soil management, natural resources and mechanical systems.
- Individual and group project work
- Equipment repair
- Small group meetings
- Lab activities related to curriculum

SPATIAL RELATIONSHIPS:

- Near technology education
- Near large group restrooms
- Access to driveway and parking
- Adjacent to classroom

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control- wall **only** minimum **STC 45**
 ceiling minimum **CAC 35**



AGRICULTURE EDUCATION LAB

Space includes clean lab for computers, office, and open lab
 Storage is an additional programmed space of 150 sq. ft.

(NOTE: Programs vary greatly from district to district and will probably continue to change and develop as the ag. industry changes.)

NOTES:

1. Loose furnishings represent one of many possible arrangements.
2. This is a multi-use space for agriculture education, wood shops, metal shops, or other industrial education laboratories.
3. This space can be selected in place of modular technology lab H-TE-1, but not in addition to H-TE-1.

**AG-ED LAB
H-TE-1a**
CHAPTER 6: HIGH SCHOOL

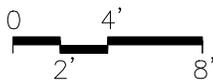
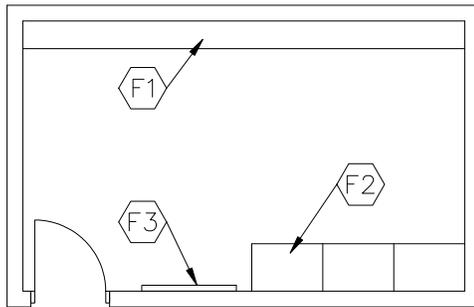
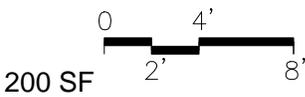
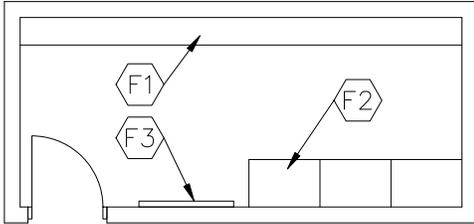
<u>FINISHES¹:</u>	Spec. <u>Ref.#</u>	<u>FEATURES¹:</u>	Spec. <u>Ref.#</u>
<u>Flooring:</u>		<u>Fixed Items:</u>	
Sealed concrete,	033000	16'-20' combination chalk/marker board	101100
linoleum, rubber, ET,	096500	tack board, tackable wall surface	
polished concrete finishing, or	033510	Pencil sharpener support (optional)	062000
colored concrete finishing	033519	14' Wall and base cabinets	123550
Sheet vinyl in office/storage	096516	Workbenches with locker bases	123550
		40' Work surface with heavy duty	
		countertop 36" high, with knee space	123550
		2 towel dispensers	
<u>Base:</u>		F1 Tall storage cabinet	123550
Resilient base	096500	F2 Technology support casework	123550
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Painted exposed structure	099100	Fire suppression system	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	Wash fountain	224000
		Plumbing connections	224000/221116/221119
		Tub sink or floor mop sink	224000
		Emergency eyewash station connection	224000
		Sanitary drainage products	221316
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Tables with heavy duty tops		Supply/return air system	Div. 23
Waste receptacle		Independent temperature controls	230923
Task chairs		Localized welding station	
Metal shelving		venting hood	233515
Teacher wardrobe		<u>Electrical:</u>	
File cabinet		High intensity discharge lighting	265100
Mobile tool cabinet		Illumination level: See Table 8600-5	
		16 duplex receptacles (42" height)	262726
		Double duplex receptacle adjacent to	
		data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Electrical power for shop equipment	262726
		<u>Communications:</u>	
		1 video port and video display device	
			271533/271543/274119
		1 voice port and phone	271513/ 273123
		4 data ports	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Plan for shop equipment as necessary	
		Overhead door	
		Pencil sharpener (optional)	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

CHAPTER 6: HIGH SCHOOL

150 SF



CAPACITY: N/A
 SIZE: 150 – 250 SF

PROGRAM ACTIVITIES:

- This space will house equipment, instructional aids and materials use in the technology education activities.

SPATIAL RELATIONSHIPS:

- Adjacent with direct access to the modular technology lab and production lab
- Access to service drive

ENVIRONMENTAL CONSIDERATIONS:
 N/A

NOTES:

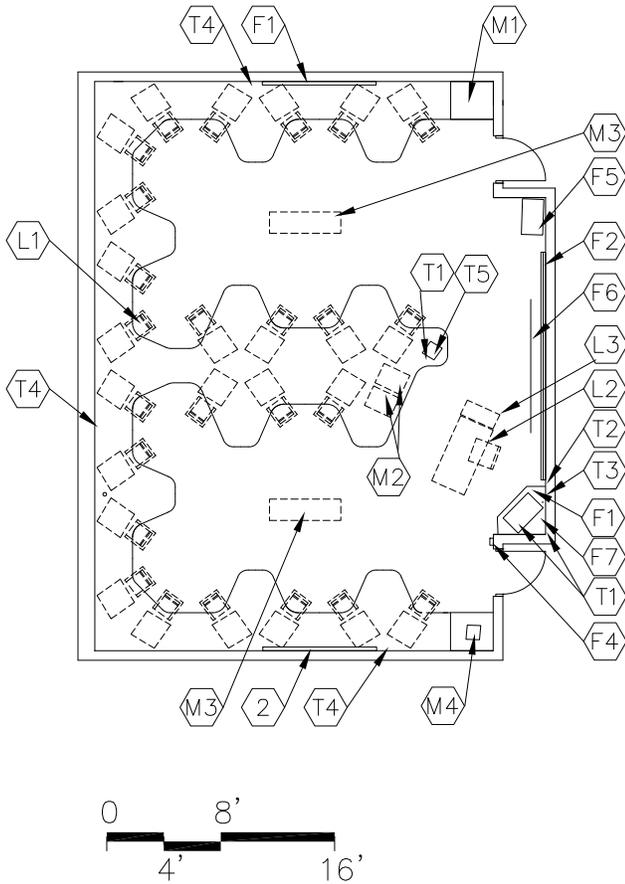
STORAGE
H-TE-2

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items:</u>	
Sealed concrete	033000	F1 10'-18' of open shelving depth may vary (fixed or loose)	123550
Base:		Option: mobile storage shelving	105626
Resilient base	096500	F2 4'-8' of tall storage cabinets	123550
Ceiling:		F3 4' of pegboard (optional)	102813
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
Walls:		Fire suppression system	211000
Painted gypsum wallboard over metal studs	092116/099100	<u>Plumbing:</u>	
<u>LOOSE FURNISHINGS:</u>		N/A	
N/A		<u>HVAC:</u>	
		To be determined by Design Professional	
		<u>Electrical:</u>	
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



CAPACITY:
SIZE:

25 students
1,200 SF

PROGRAM ACTIVITIES:

- Group instruction on computer drafting and design
- Exploration of design concepts, technical drawing, CADD, geometric dimensioning, and facilities design

SPATIAL RELATIONSHIPS:

- Near modular technology lab

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70
- Flexibility of space

NOTES:

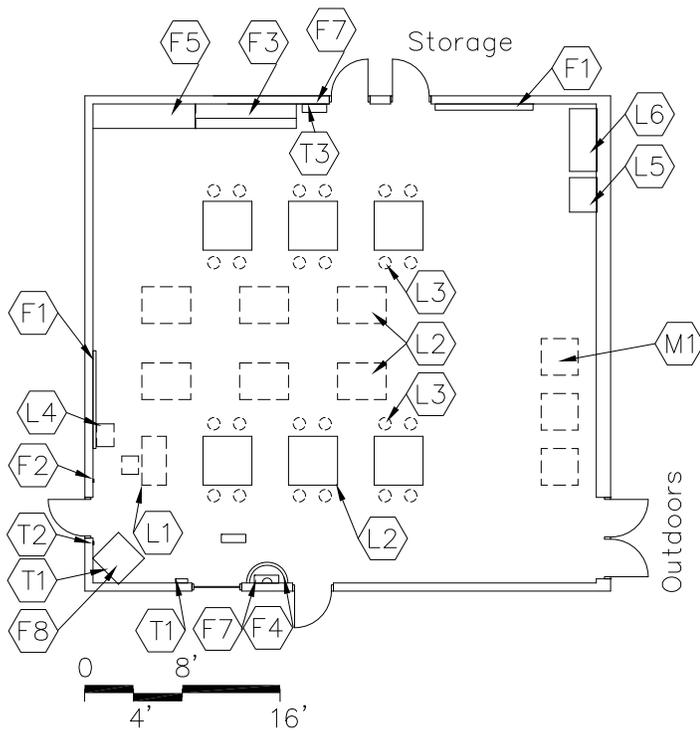
1. Loose furnishings shown represent one of many possible arrangements.

**CADD LAB
H-TE-3**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> ¹ :	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Carpet, carpet tile, ET, linoleum, or sheet vinyl	096816 096500 096516 096813	F1 Tall wardrobe with file drawers	123550
Base:		F2 16-32' combination chalk/marker board, tack board, tackable wall surface	101100
Resilient base	096500	F3 Reserved	
Ceiling:		F4 Pencil sharpener support (<i>optional</i>)	062000
Suspended, acoustical	095113	F5 4'-8' base and wall cabinets for printers and storage of paper, cartridges, etc.	123550
Walls:		F6 Projection screen (optional)	115213
Painted concrete masonry units	042000/099100	F7 Technology support casework	123550
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Computer workstation furniture		Fire suppression system	211000
L2 Teacher desk and chair		<u>Plumbing:</u>	
L3 File cabinet		N/A	
Wastebasket		<u>HVAC:</u>	
L1 could be fixed casework.		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting with parabolic lenses	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		6 duplex receptacles	262726
		Double duplex receptacles adjacent to each data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Receptacle for printer/plotter	262726
		<u>Communications:</u>	
		T1 2 video ports	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near teacher workstation	271513
		T4 Classroom area network (25 data ports minimum)	271513
		Clock	275313
		Central sound system	275123
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior windows to production lab (optional)	
		Pencil sharpener (optional)	
The following items are to be funded by the school district:			
M1 Classroom area network file server			
M2 Printers			
M3 Plotters			
M4 Scanner			

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.



CAPACITY: 25 students
 SIZE: 1,600 SF
 ANCILLARY SPACES: Storage, H-TE-2
 Modular Technology Lab, H-TE-1

PROGRAM ACTIVITIES:

- Provides space for instruction in developing skills in use of tools, materials and processes to apply knowledge of planning and design to actual fabrication of projects.

SPATIAL RELATIONSHIPS:

- Grouped with other noise producing type activities
- Access to driveway and parking
- Direct access to outdoors
- Adjacent to modular technology lab
- Adjacent to storage room

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall **only** minimum STC **45**
 ceiling minimum CAC 35, NRC 0.70

NOTES:

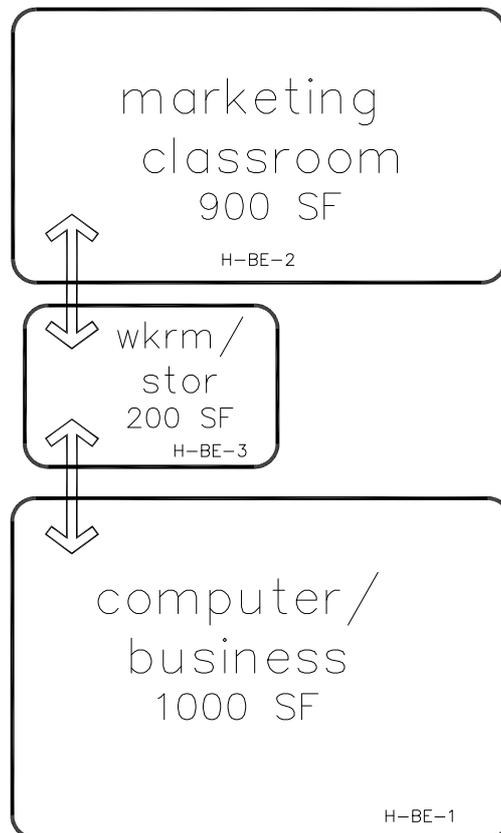
1. Loose furnishings represent one of many possible arrangements.
2. This is a multi-use space for vocational agriculture, wood shops, metal shops, or other industrial education laboratories.

**PRODUCTION LAB
H-TE-4**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Sealed concrete,	033000	F1 14'-24' combination chalk/marker board,	
polished concrete finishing, or	033510	tack board, tackable wall surface	101100
colored concrete finishing	033519	F2 Pencil sharpener support (optional)	062000
Base:		F3 12' of wall and 12' of base cabinets	123550
Resilient base	096500	F4 Wash fountains	
Ceiling:		F5 6'-12' of work surface with heavy duty	
Painted exposed structure	099100	countertop 36" high, with knee space	123550
Walls:		F6 Reserved	
Painted concrete masonry units	042000/099100	F7 2 towel dispensers	102813
		F8 Technology support casework	123550
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Teacher desk/computer support and chair		Fire suppression system	211000
L2 Tables with heavy duty tops & lockers below		<u>Plumbing:</u>	
L3 Stools		Wash fountain	224000
L4 File cabinet		Plumbing connections	224000/221116/221119
L5 Mobile tool cabinet		<u>HVAC:</u>	
L6 Material storage racks		Supply/return air system	Div. 23
Waste receptacle		Independent temperature	230923
		controls	230923
		Localized dust collection as	Div. 23
		necessary	Div. 23
		<u>Electrical:</u>	
		High intensity discharge lighting	265100
		Illumination level: See Table 8600-5	
		8 duplex receptacles	262726
		Double duplex receptacle adjacent to	
		data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Electrical power for shop equipment	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	271533/271543/274119
		T2 1 voice port and phone	271513/ 273123
		T3 4 data ports	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Pencil sharpener (optional)	
		M1 Shop equipment with localized dust	
		collection as necessary.	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**NOTE:**

This is an example of how the business education spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various areas of the building.

Following are the Business Education space plates:

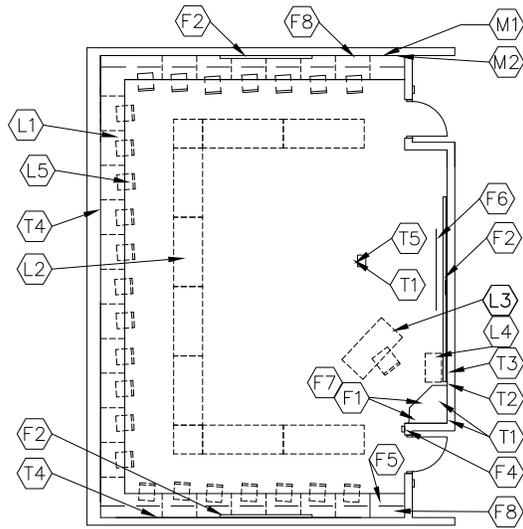
- H-BE-1 Computer and Business Classroom
- H-BE-2 Marketing Classroom
- H-BE-3 Workroom/Storage

BUSINESS EDUCATION SPACES

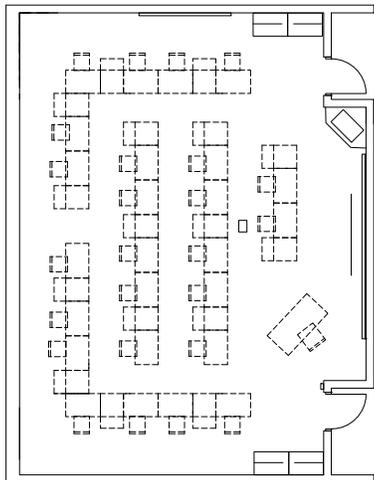
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**COMPUTER AND BUSINESS CLASSROOM
H-BE-1**

CHAPTER 6: HIGH SCHOOL



PERIMETER WORKSTATIONS LAYOUT



FREE STANDING WORKSTATIONS LAYOUT



CAPACITY:
SIZE:

25 students
1000 SF

PROGRAM ACTIVITIES:

- Instruction in business and computer curricula
- Group instruction
- Multimedia presentation
- Group discussion
- Cooperative learning

SPATIAL RELATIONSHIPS:

- Close proximity to marketing classroom
- Proximity to large group restrooms
- Adjacent to workroom/storage

ENVIRONMENTAL CONSIDERATIONS:

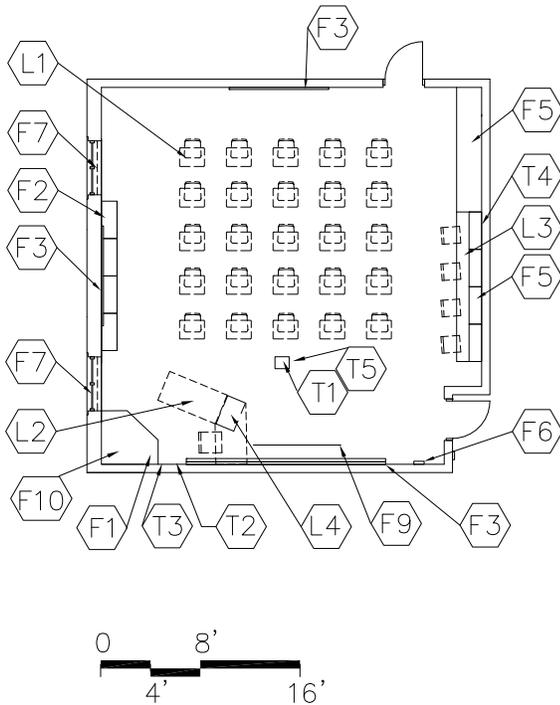
- Environmental sound control -
wall **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70

NOTES:

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

**MARKETING CLASSROOM
H-BE-2**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Instruction in marketing curriculum
- Group discussion
- Simulations
- Cooperative learning
- Multimedia presentations

SPATIAL RELATIONSHIPS:

- Close proximity to computer and business classrooms
- Adjacent to workroom/storage

ENVIRONMENTAL CONSIDERATIONS:

- **Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.**
Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control -
wall **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 25 students
SIZE: 900 SF

NOTES:

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

**MARKETING CLASSROOM
H-BE-2**

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>FINISHES¹:</u>		<u>Fixed Items:</u>	
Flooring:		F1 Tall wardrobe with file drawers	123550
Carpet, carpet tile	096816	F2 6'-10' of bookcases	123550
Optional: ET, sheet vinyl, linoleum, or rubber	096500 096516 096813	F3 18'-32' combination chalk/marker board, tack board, tackable wall surface	101100
Base:		F4 Reserved	
Resilient base	096500	F5 12'-20' combination base and wall cabinets	123550
Ceiling:		F6 Pencil sharpener support (<i>optional</i>)	062000
Suspended, acoustical	095113	F7 Windows with integral blinds	085113
Walls:		F8 Reserved	
Painted concrete masonry units	042000/099100	F9 Projection screen (optional)	115213
		F10 Technology support casework	123550
		<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Student desks and chairs		N/A	
L2 Teacher desk/computer support and chair		<u>HVAC:</u>	
L3 Computer workstation furniture		Supply/return air system	Div. 23
L4 Desk height file cabinet Wastebasket		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near teacher workstation	271513
		T4 4 data ports (minimum) for classroom technology	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Pencil sharpener (optional)	

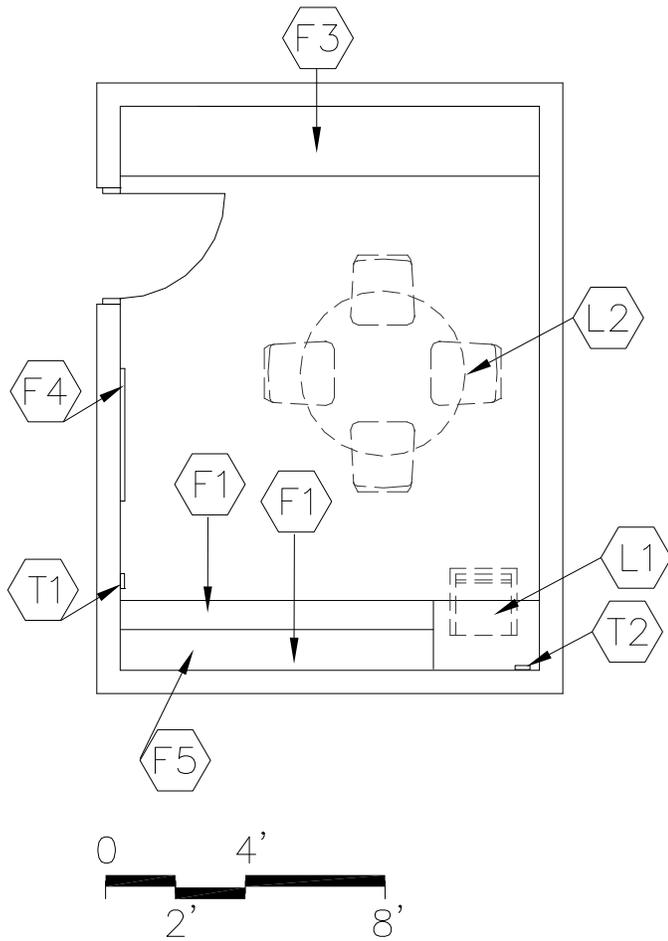
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**WORKROOM/STORAGE
H-BE-3**

CHAPTER 6: HIGH SCHOOL

200 SF



CAPACITY: 2 - 4 teachers
 SIZE: 100 - 400 SF

PROGRAM ACTIVITIES:

- Preparation and storage of instructional materials and equipment

SPATIAL RELATIONSHIPS:

- Adjacent to business and marketing classrooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall minimum STC 45
 ceiling minimum CAC 35, NRC 0.70

NOTES:

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

**WORKROOM/STORAGE
H-BE-3**

CHAPTER 6: HIGH SCHOOL

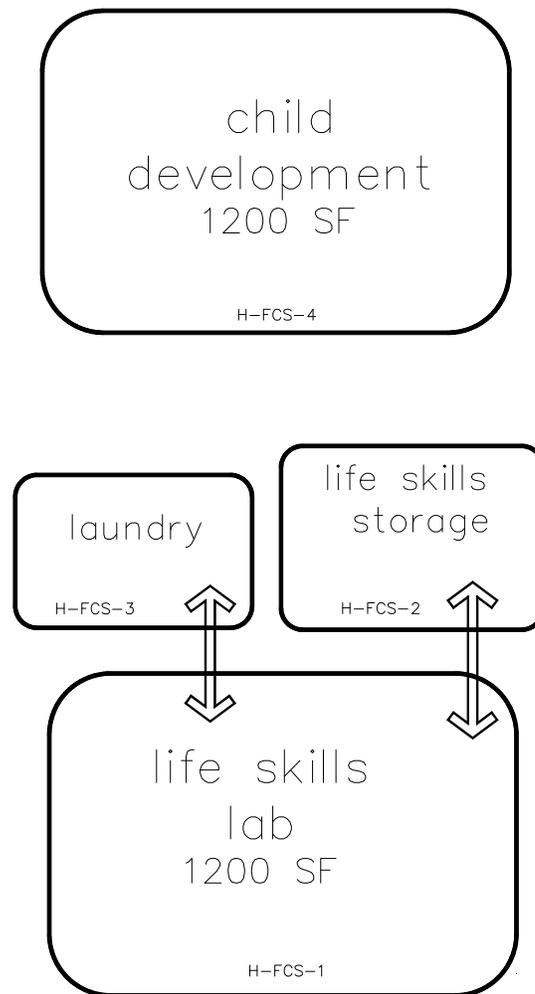
<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> ¹ :	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items</u> ² :	
Carpet, carpet tile, ET, linoleum, Or sheet vinyl	096816 096500 096516 096813	F1 12'-18' combination base and wall cabinets	123550
		F2 Reserved	
<u>Base:</u>		F3 12'-24' of tall storage cabinets or bookshelves	123550
Resilient base	096500	F4 4' of tack board or marker board , tackable wall surface	101100
<u>Ceiling:</u>		F5 Work surface (optional)	123550
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
<u>Walls:</u>		Fire suppression system	211000
Painted concrete masonry units	042000/099100	<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Computer workstation furniture		Supply/return air system	Div. 23
L2 Tables and chairs		Independent temperature control	230923
Wastebasket		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		2 duplex receptacles	262726
		Double duplex receptacle adjacent to each data port	262726
		Duplex receptacle for office-type equipment	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port	271513
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

FAMILY AND CONSUMER SCIENCE SPACES
H-FCS

CHAPTER 6: HIGH SCHOOL



NOTE:

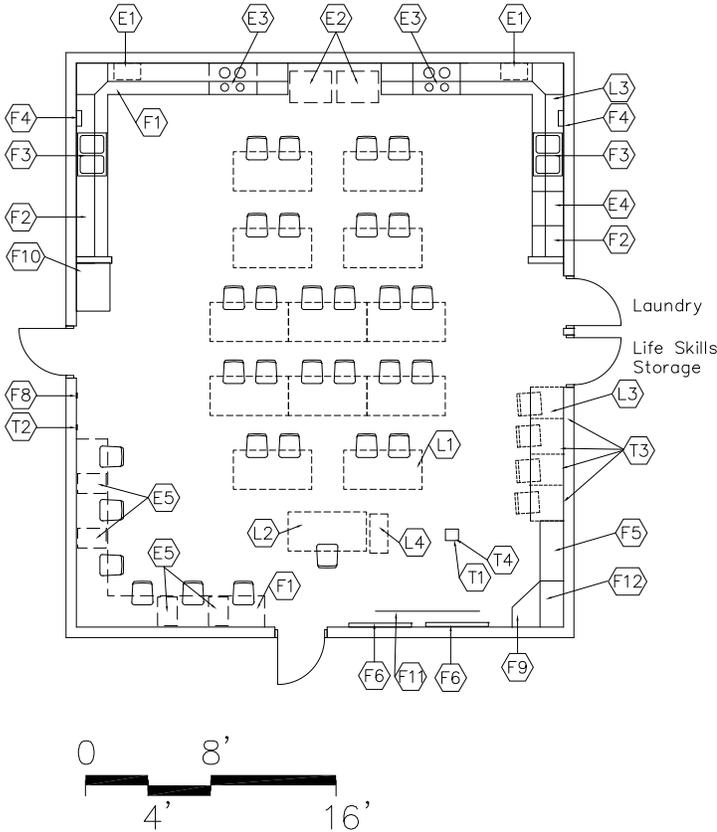
This is an example of how the family and consumer science spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various areas of the building.

Following are the Family and Consumer Science space plates:

- H-FCS-1 Life Skills Lab
- H-FCS-2 Life Skills Storage
- H-FCS-3 Laundry
- H-FCS-4 Child Development

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CHAPTER 6: HIGH SCHOOL



CAPACITY: 24 students
SIZE: 1,200 SF
ANCILLARY SPACES: Life Skills Storage
 H-FCS-2
 Laundry, H-FCS-3

PROGRAM ACTIVITIES:

- Houses the facilities for the home economics programs, family living program, and consumer science programs
- Activities will include hands-on activities, demonstrations, and lectures which will be delivered in individual, small group, and total group methods.

SPATIAL RELATIONSHIPS:

- Grouped with other support service programs
- Adjacent to storage
- Adjacent to laundry

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70
- Resilient floor covering

NOTES:

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

**LIFE SKILLS LAB
H-FCS-1**

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#	Spec. Ref.#	
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items:</u>	
Linoleum,	096500	F1 Base cabinets	123550
ET , sheet vinyl, or rubber	096516	F2 Wall cabinets	123550
Base:		F3 Double bowl sink base cabinet	123550
Resilient base	096500	F4 2 towel dispensers	102813
Ceiling:		F5 4'-8' of bookcases (optional)	123550
Suspended, acoustical	095113	F6 16'-32' combination chalk/marker board, tack board, tackable wall surface	101100
Walls:		F7 Reserved	
Painted concrete masonry units	042000/099100	F8 Pencil sharpener support (optional)	062000
		F9 Tall wardrobe with file drawers	123550
		F10 3'-9' of tall storage cabinets (could have trays)	123550
		F11 Projection screen (optional)	115213
		F12 Technology support casework	123550
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Tables and chairs		Fire suppression system	211000
L2 Teacher desk/computer support and chair		<u>Plumbing:</u>	
L3 Computer workstation furniture		Double sinks	224000
L4 File cabinet		Plumbing connections	224000/221116/22119
Wastebaskets		Garbage disposals (optional)	
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Manually operated exhaust air system	Div. 23
		Independent temperature controls	230923
<u>EQUIPMENT:</u>		<u>Electrical:</u>	
E1 Microwaves		Fluorescent lighting	265100
E2 Refrigerators		Illumination level: See Table 8600-5	
E3 Range and oven		Multilevel switching	262726
E4 Dishwasher		4 duplex receptacles	262726
E5 Sewing machines		Double duplex receptacle adjacent to each data and video port	262726
		Receptacles for refrigerators, microwaves, ranges, dishwashers, and sewing machines	262726
		Means of egress lighting per code	265100
		Emergency lighting per code	265100
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 4 data ports for classroom technology	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T4 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
Pencil sharpener (optional)			

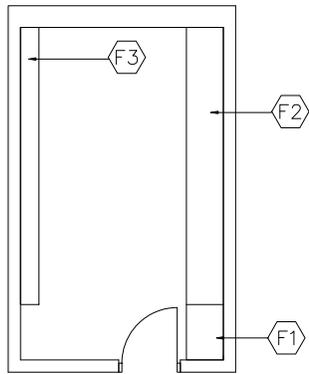
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

**LIFE SKILLS STORAGE
H-FCS-2**

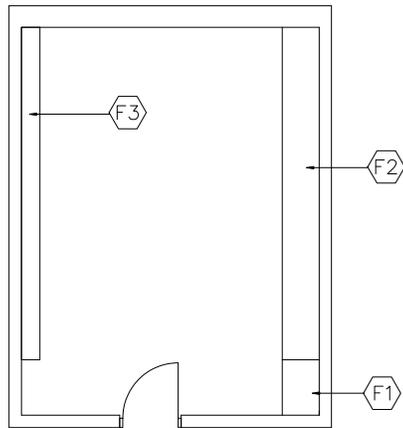
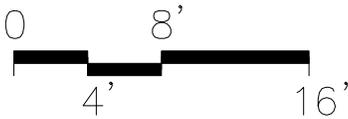
CHAPTER 6: HIGH SCHOOL

200 SF



Life Skills Lab

350 SF



Life Skills Lab

CAPACITY: N/A
 SIZE: 200 - 400 SF
 ANCILLARY SPACES: H-FCS-1
 Life Skills Lab

PROGRAM ACTIVITIES:

- Storage of materials, supplies, and equipment used in the delivery of the family and consumer science program.

SPATIAL RELATIONSHIPS:

- Adjacent to life skills lab

ENVIRONMENTAL CONSIDERATIONS:

- Resilient floor covering

NOTES:

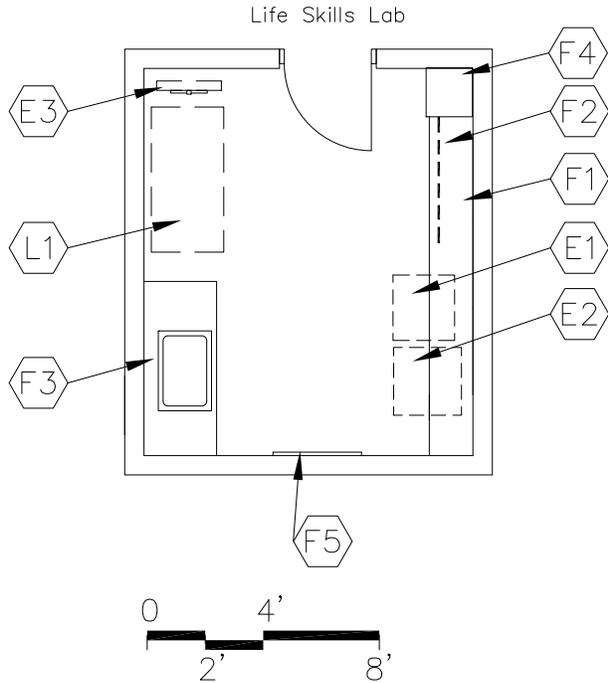
**LIFE SKILLS STORAGE
H-FCS-2**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items²:</u>	
<i>Linoleum</i> , rubber, <i>ET</i> , or <i>sheet vinyl</i>	096500 096516	F1 3' of tall wardrobe (optional)	123550
		F2 10'–18' of tall cabinets or wall & base cabinets	123550
<u>Base:</u>		F3 10'–18' of open cabinets	123550
Resilient base	096500	Option: mobile storage shelving	105626
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Supply cart		To be determined by Design Professional	
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.



PROGRAM ACTIVITIES:

- Laundry to be used by the family and consumer science department

SPATIAL RELATIONSHIPS:

- Adjacent to life skills lab

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control –
wall minimum STC 45
ceiling minimum CAC 35

CAPACITY: N/A
 SIZE: 150 SF
 ANCILLARY SPACES: Life Skills lab
 H-FCS-1

NOTES:

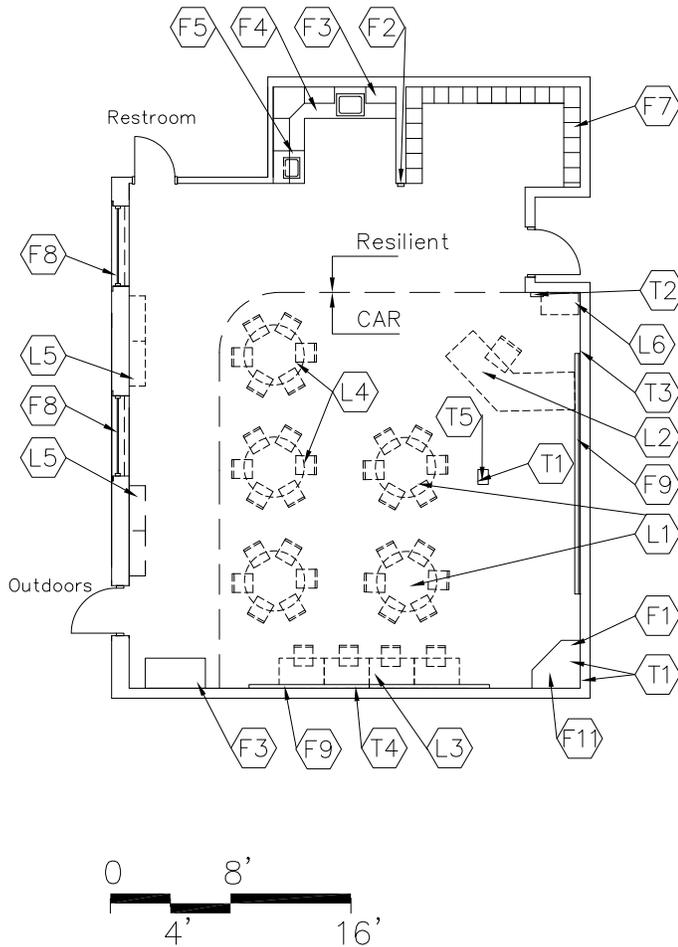
**LAUNDRY
H-FCS-3**

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES:</u>	
Flooring:		<u>Fixed Items¹:</u>	
Linoleum,	096516	F1 14' of wall cabinets	123550
ET, or sheet vinyl	096500	F2 6' hanging bar/drying rack (optional)	123550
Base:		F3 6' sink base cabinet	123550
Resilient base	096500	F4 3' tall cabinet (optional)	123550
Ceiling:		F5 5' high mirror (optional)	102813
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
Walls:		Fire suppression system	211000
Painted concrete masonry units	042000/099100	<u>Plumbing:</u>	
		Sink, 12" deep	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Folding table		Supplemental heat as required	Div. 23
Wastebasket		Exhaust air system	Div. 23
		Exhaust for dryer	Div. 23
<u>EQUIPMENT:</u>		<u>Electrical:</u>	
E1 Washer		Fluorescent lighting:	265100
E2 Electric dryer		Illumination level: See Table 8600-5	
E3 Ironing board		Single level switching	262726
		2 duplex receptacles	262726
		Receptacle for electric dryer and washer	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



CAPACITY: 25 students
 SIZE: 1,200 SF
 ANCILLARY SPACES:
 Individual Restroom, H-AC-7

PROGRAM ACTIVITIES:

- Training for early childhood careers
- Training for parenting
- Preschool and toddler care

SPATIAL RELATIONSHIPS:

- Classrooms should have direct access to outdoors
- Near vehicle drop-off/pick-up area
- Adjacent to individual restroom

ENVIRONMENTAL CONSIDERATIONS:

- **Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.**
Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control - walls **only** minimum STC 45
 ceiling minimum CAC 35, NRC 0.70
- Resilient- and stain-resistant floor covering

NOTES:

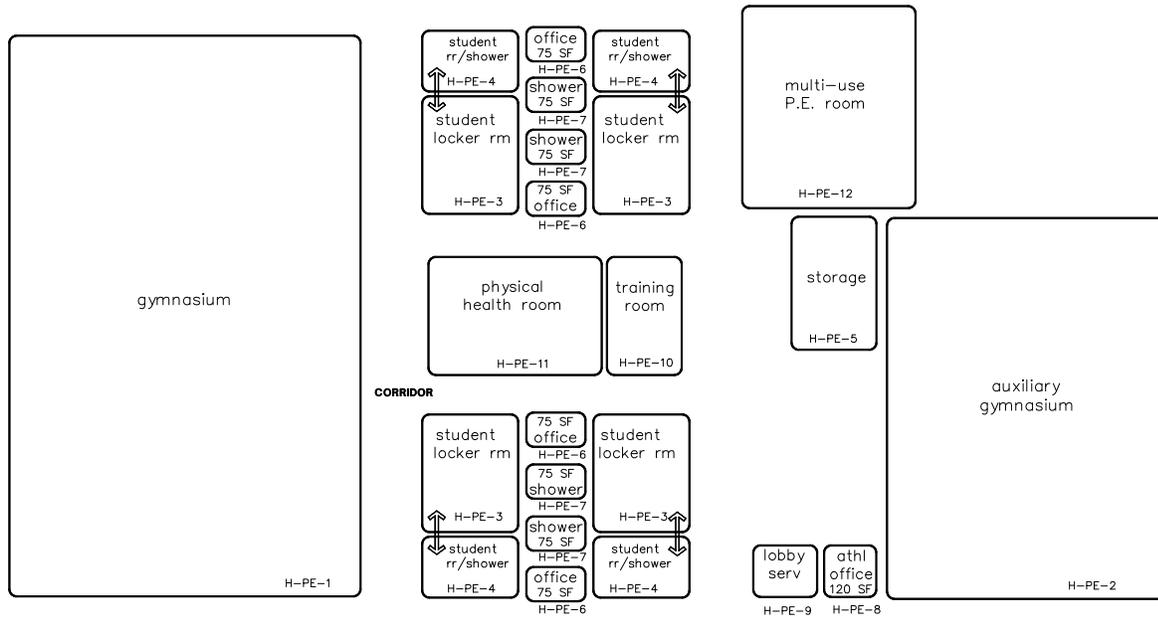
1. Loose furnishings shown represent one of many possible arrangements.

**CHILD DEVELOPMENT
H-FCS-4**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Combination of carpet and	096816	F1 Tall wardrobe with file drawers	123550
carpet tile, linoleum,	096500	F2 Pencil sharpener support (optional)	062000
ET, sheet vinyl, or rubber	096516	F3 16'-20' combination wall and tall	123550
	096813	cabinets	
<u>Base:</u>		F4 3' of sink base cabinet, 36" high	123550
Resilient base	096500	F5 3' of sink base cabinet, (ADA compliant)	123550
<u>Ceiling:</u>		F6 Reserved	
Suspended, acoustical	095113	F7 Open casework - coats	123550
<u>Walls:</u>		F8 Windows with integral blinds	085113
Painted concrete masonry units	042000/099100	F9 16'-32' of chalk/marker board, tack board, or tackable wall surface	101100
		F10 Reserved	
		F11 Technology support casework	123550
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Student desks and chairs		Fire suppression system	211000
L2 Teacher desk/computer support and chair		<u>Plumbing:</u>	
L3 Computer workstation furniture		2 sinks (1 with drinking fountain)	224000
L4 Tables and chairs for preschool children		Plumbing connections	224000/221116/221119
L5 Low mobile storage units		<u>HVAC:</u>	
L6 File cabinet		Supply/return air system	Div. 23
Wastebasket		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		6 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Means of egress lighting per code	265100
		Emergency lighting per code	265100
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near teacher workstation	271513
		T4 4 data ports (minimum) for classroom technology	271513
		Clock	275313
		Central sound system	275123
		Sound reinforcement system	275127
		T5 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Pencil sharpener (optional)	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.



NOTES:

This is an example of how the physical education spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various areas of the building.

Following are the Physical Education space plates:

- H-PE-1 Gymnasium
- H-PE-2 Auxiliary Gymnasium
- H-PE-3 Student Locker Room
- H-PE-4 Student Restroom/Shower
- H-PE-5 Physical Education Storage
- H-PE-6 P.E./Athletic Office
- H-PE-7 Staff Shower
- H-PE-8 Athletic Director's Office
- H-PE-9 Lobby Services
- H-PE-10 Training Room
- H-PE-11 Physical Health Classroom
- H-PE-12 Multi-use P.E. Room

GYMNASIUM SIZE

When designing spaces for physical education activities, it is important to consider the type of activities, the number of participants, equipment needed, and space allocation for each space. Consideration should also be given as to the size of the activity area and safety borders (run-outs). Adequate co-funded space for these design considerations, and others, should be provided in the square footage allowed for the gymnasium.

The table on page 6110-3 illustrates the maximum gymnasium size for each of the student enrollment examples found in the Program of Requirements (POR). For example, a school with 1,200 students would have approximately 102 staff members indicating a total number of persons in the facility of 1,302. The maximum size of the gymnasium would be 12,400 sf. That value, 12,400 sf., would be inserted into the POR for the gym size.

Additional student enrollment examples (600-700, 900-1,100, 1,300-1,500, 1,700-2,300) have been added to assist in planning and design of various sized gymnasiums. These examples are bolded.

**PHYSICAL EDUCATION SPACES
H-PE**

CHAPTER 6: HIGH SCHOOL

SEATING

Regarding seating/bleachers, in high schools, space for seating in the gym is provided for the entire student enrollment and staff. The approximate number of seats to be included is shown in the table below.

Additional student enrollment examples (600-700, 900-1,100, 1,300-1,500, 1,700-2,300) have been added to assist in planning and design of various seat layouts. These examples are bolded in the table below.

FINAL LAYOUT

The actual Gym and seating layout will be determined during the design process.

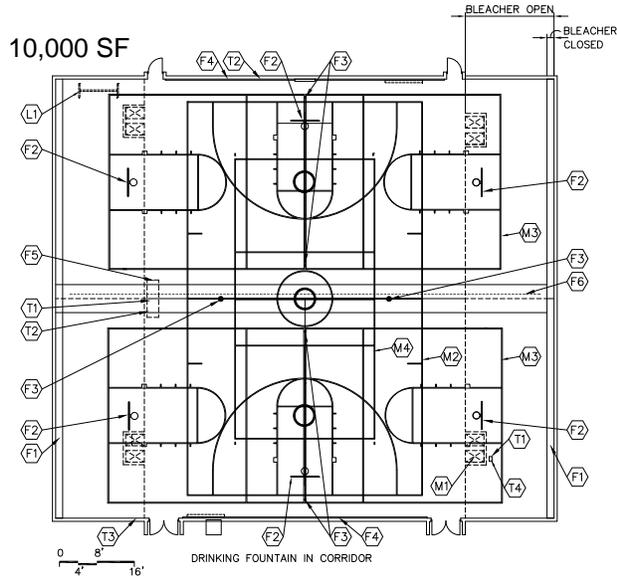
High School Gymnasium Design Guidelines					
STN ENRL	Staff	Total Occup	Gym SF	Court Size	Approx. # Seats
450	41	491	9,300	50 x 84	517
600	51	651	9,800	50 x 84	645
700	60	760	10,200	50 x 84	748
800	69	869	10,700	50 x 84	876
900	77	977	11,100	50 x 84	978
1,000	85	1,085	11,500	50 x 84	1,080
1,100	94	1,194	11,900	50 x 84	1,183
1,200	102	1,302	12,400	50 x 84	1,311
1,300	108	1,408	12,800	50 x 84	1,413
1,400	116	1,516	13,200	50 x 84	1,516
1,500	125	1,625	13,600	50 x 84	1,618
1,600	133	1,733	14,000	50 x 84	1,721
1,700	139	1,839	14,500	50 x 84	1,849
1,800	148	1,948	14,900	50 x 84	1,951
1,900	156	2,056	15,300	50 x 84	2,053
2,000	164	2,164	15,700	50 x 84	2,156
2,100	172	2,272	16,100	50 x 84	2,258
2,200	180	2,380	16,600	50 x 84	2,386
2,300	189	2,489	17,000	50 x 84	2,489
2,400	197	2,597	17,400	50 x 84	2,591

Note: Aux. Gym bleachers are a district expense. 2011

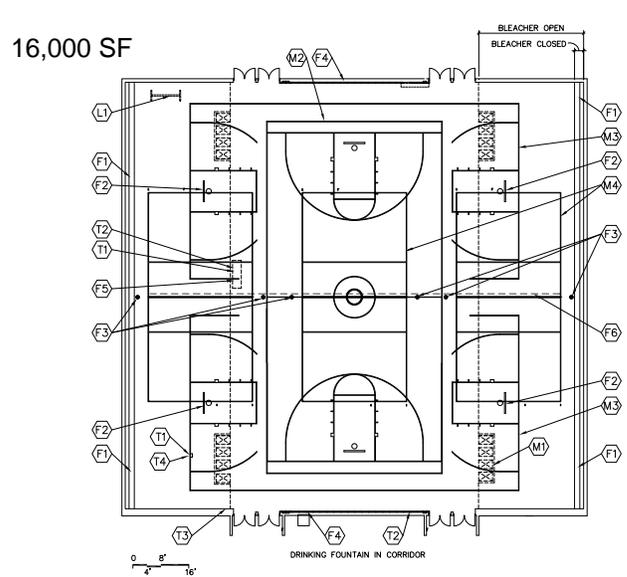
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**GYMNASIUM
H-PE-1**

CHAPTER 6: HIGH SCHOOL



Please see page 6110-7 for an enlargement of this drawing.



Please see page 6110-8 for an enlargement of this drawing.

<p>CAPACITY: 60 – 75 Students</p> <p>SIZE: 9,300 – 17,400 SF</p> <p>ANCILLARY SPACES: Physical Education Storage H-PE-5</p>	<p>PROGRAM ACTIVITIES:</p> <ul style="list-style-type: none"> Physical education classes and interscholastic athletic competition Student assemblies Community use <p>SPATIAL RELATIONSHIPS:</p> <ul style="list-style-type: none"> Near locker rooms Adjacent to outdoors Near student dining <p>ENVIRONMENTAL CONSIDERATIONS:</p> <ul style="list-style-type: none"> Environmental sound control - walls minimum STC 60 Acoustical requirements and other factors as determined by final configuration of the space Clear height of 25' from floor to nearest obstruction
--	---

NOTES:

- Loose furnishings shown represent one of many possible arrangements.

**GYMNASIUM
H-PE-1**

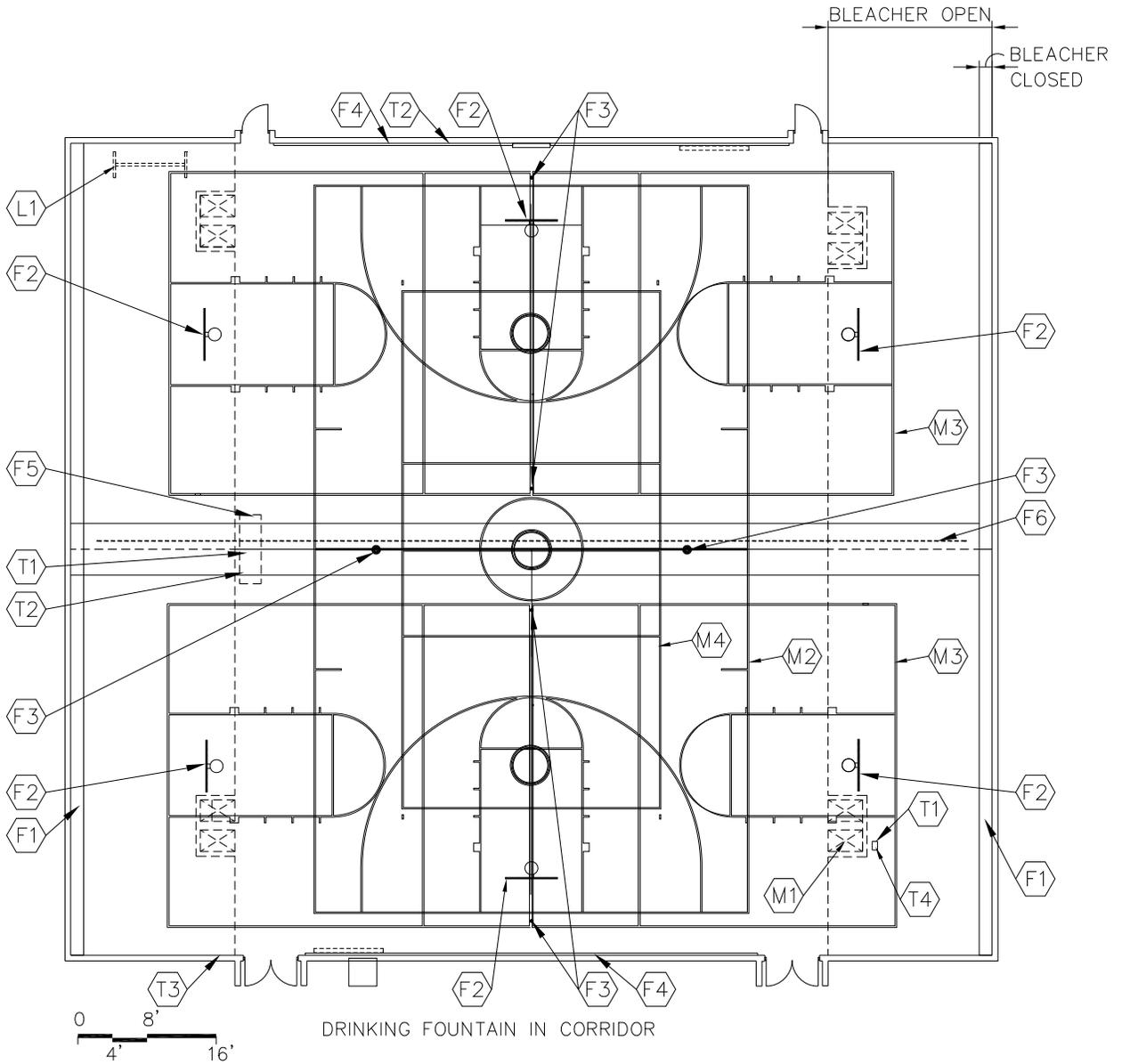
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Wood	096466	F1 Telescoping stands	126600
		F2 6 basketball backstops, glass	116623
Base:		F3 Volleyball sleeves and standards on a cart	116623
Ventilated resilient base	096466	F4 Safety wall wainscot	116623
		F5 Scorer's table	126600
Ceiling:		F6 Divider gym curtain	116623
Painted exposed structure	099100	<u>Fire Suppression:</u>	
		Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted	099100	Drinking fountain	224000
Sound absorption concrete masonry units on 2 walls or	042000	directly outside the entrance	
abuse-resistant acoustical wall treatment	098000	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Supply/return air system	Div. 23
L1 Portable chalkboard		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		Multi-level switching	262726
		8 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Electrical connections to P.E. equipment where necessary	262726
		Scoreboard	116643
		Telecommunications Grounding	270526/260526
		<u>Communications:</u>	
		T1 2 video ports, 1 monitor w/cart	271533/271543/274119
		T2 2 data ports	271513
		T3 1 voice port	271513/273113
		Clocks with wire guards	275313
		Central sound system	275123
		Gymnasium sound system	275124
		T4 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
M1 Bleacher seating (ADA accessible)			
Court markings (minimum)			
M2 84' x 50' basketball court			
M3 (2) cross-court basketball courts			
M4 30'x60' volleyball court			
Provide wire guards on light fixtures and wall-mounted electrical devices			

NOTES:

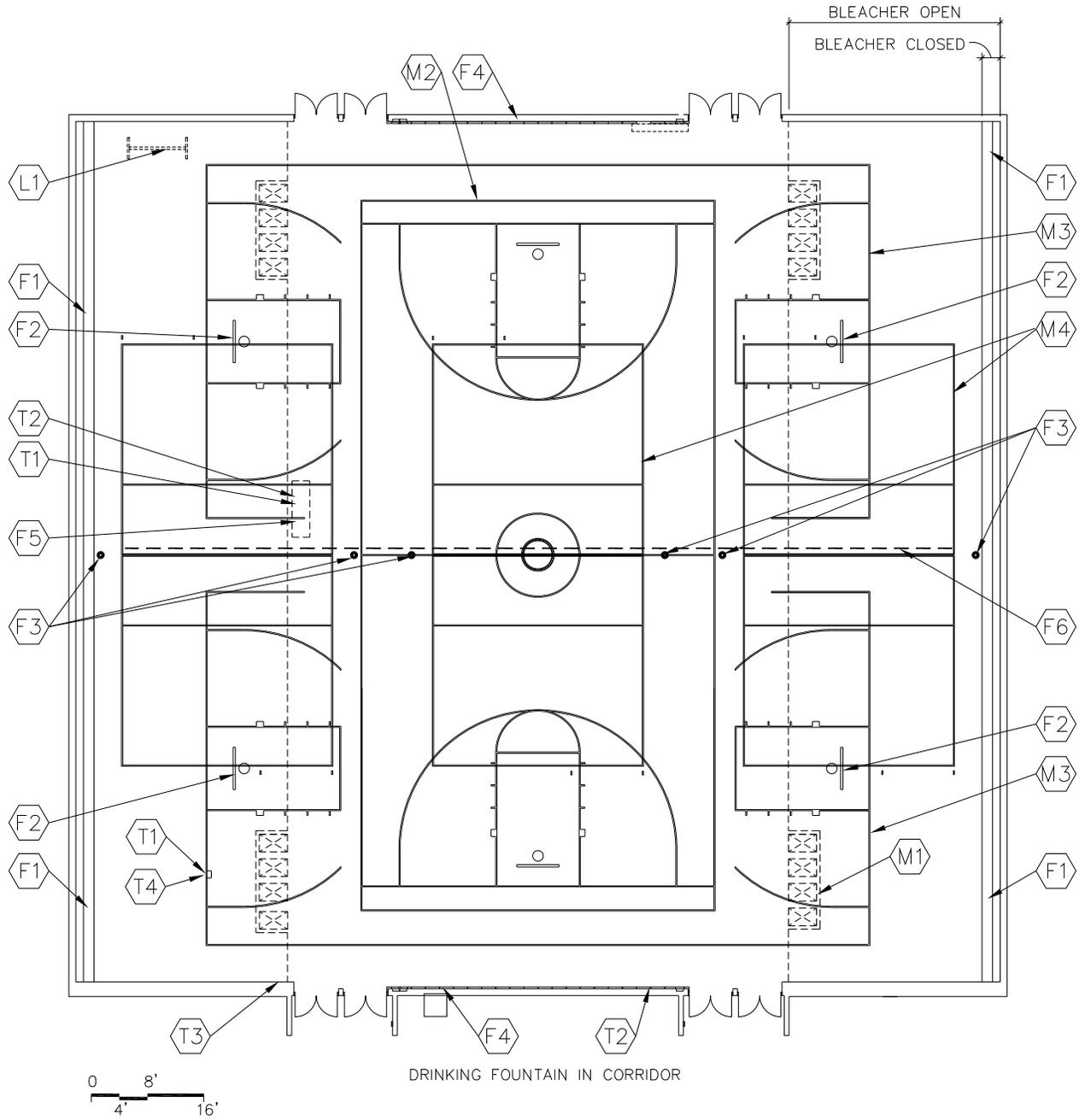
1. Finishes/Features: Refer to Chapter 9 for specification references.

10,000 SF



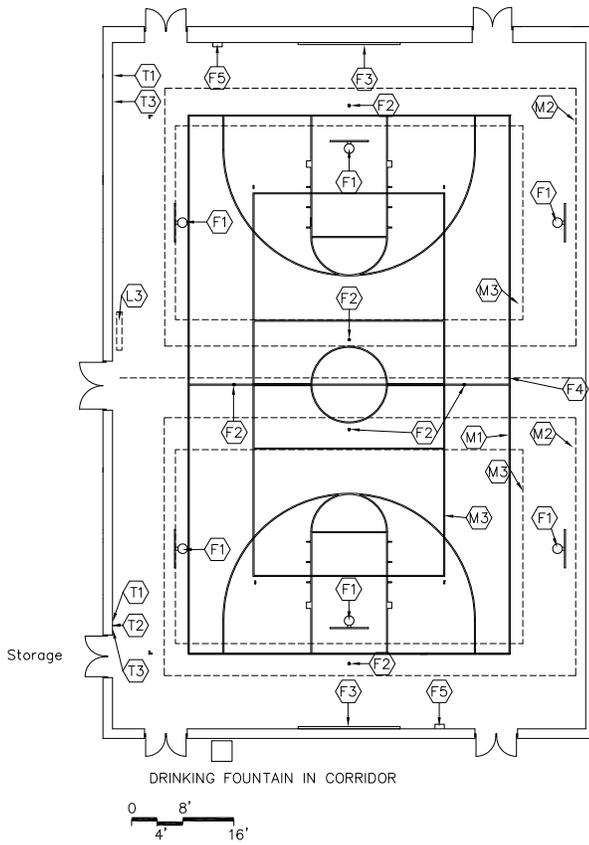
**GYMNASIUM
H-PE-1**

16,000 SF



**AUXILIARY GYMNASIUM
H-PE-2**

CHAPTER 6: HIGH SCHOOL



Please see page 6110-11 for an enlargement of this diagram.

CAPACITY: 25 - 60 students
 SIZE: 7,000 SF
 ANCILLARY SPACES:

PROGRAM ACTIVITIES:

- Physical education classes, interscholastic athletic competition and practice during non-school hours
- Community use

SPATIAL RELATIONSHIPS:

- Near P.E./athletic offices
- Convenient access to outside
- Near student locker rooms

ENVIRONMENTAL CONSIDERATIONS:

- Adequate sound control/acoustics
- Clear height of 25' from floor to nearest obstruction
- Environmental sound control - wall minimum STC 60

NOTES:

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

**AUXILIARY GYMNASIUM
H-PE-2**

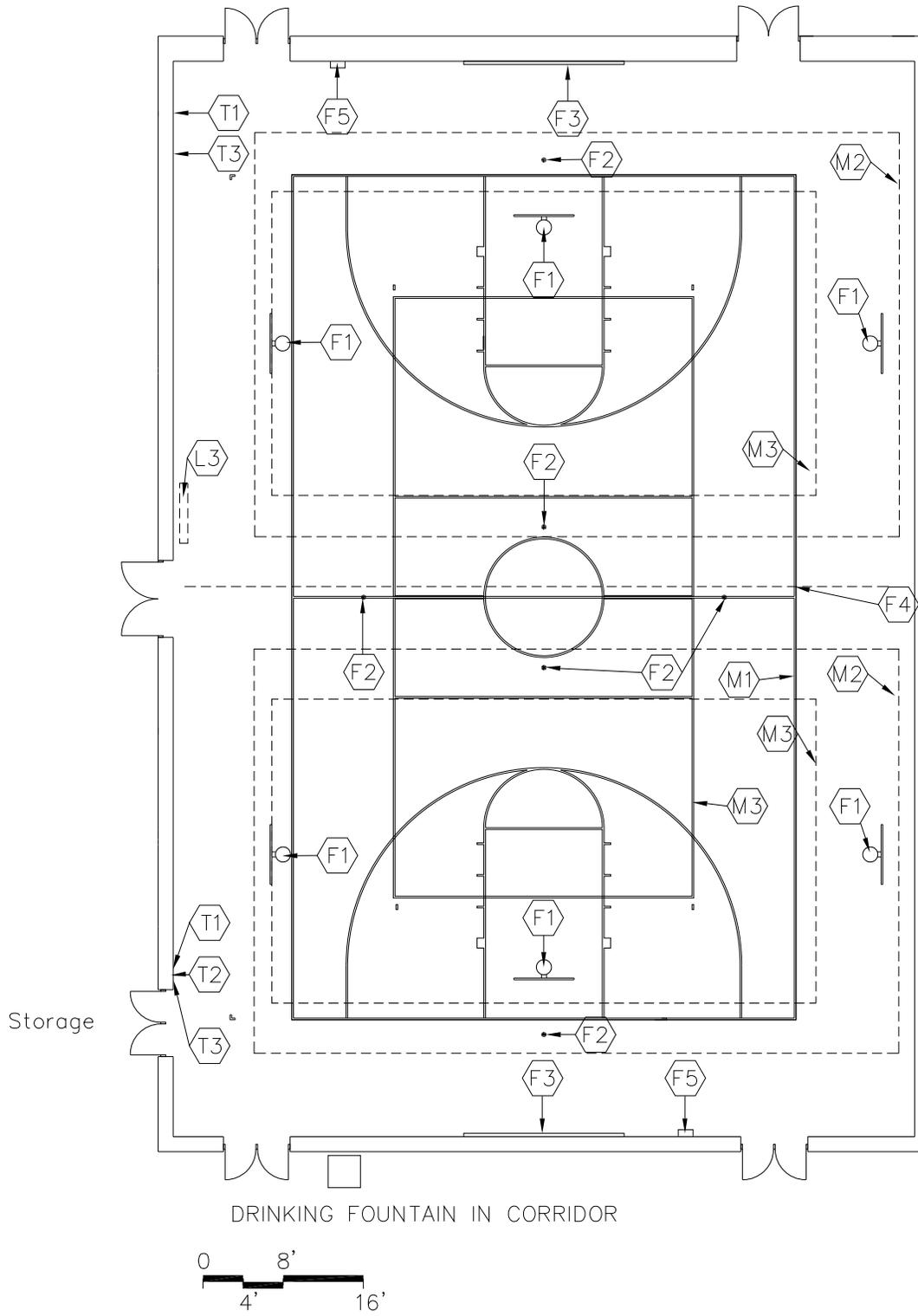
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Wood flooring	096466	F1 6 basketball backstops, glass	116623
		F2 Volleyball sleeves and standards on a cart	116623
Base:		F3 Safety wall wainscot	116623
Ventilated resilient base	096466	F4 Divider gym curtain	116623
		F5 Chin-up bar (optional)	116623
Ceiling:		<u>Fire Suppression:</u>	
Painted exposed structure	099100	Fire suppression system	211000
Walls:		<u>Plumbing:</u>	
Painted	099100	Drinking fountain	224000
Sound absorbing concrete masonry units on 2 walls or	042000	directly outside the entrance	
abuse-resistant acoustical wall treatment		<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Supply/return air system	Div. 23
L1 Portable chalkboard		Independent temperature control	230923
		<u>Electrical:</u>	
		Multi-level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		8 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Electrical connections to P.E. equipment where necessary	262726
		Telecommunications Grounding	270526/260526
		<u>Communications:</u>	
		T1 2 video ports, 1 monitor with cart	271533/271543/274119
		T2 1 voice port	271513/273113
		T3 2 data port	271513
		Clocks with wire guards	275313
		Central sound system	275123
		Gymnasium sound system	275124
<u>Miscellaneous:</u>		<u>Electronic Safety and Security:</u>	
Court markings (minimum)		Life safety devices per code	283111
M1 74' x 50' main basketball court			
M2 2 cross courts to fit			
M3 30'x60' volleyball court			
Provide wire guards on light fixtures and wall-mounted electrical devices.			

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. **The OSFC does not co-fund telescoping bleachers in auxiliary gyms. District may provide telescoping bleachers in accordance with section 126600 at district's expense.**

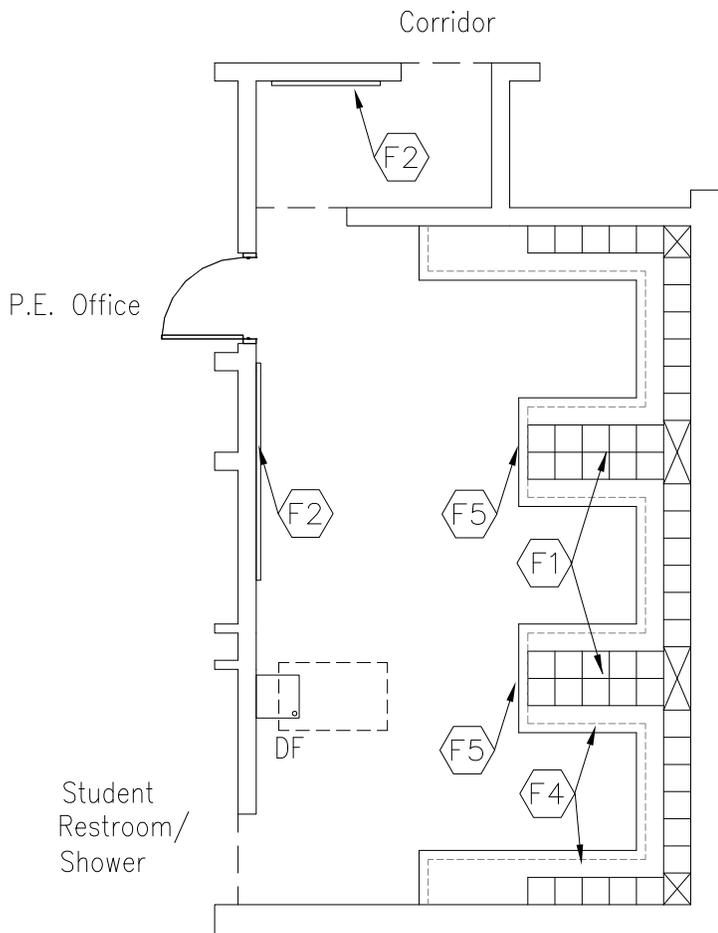
**AUXILIARY GYMNASIUM
H-PE-2**



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**STUDENT LOCKER ROOM
H-PE-3**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Students change from their regular clothes into clothes appropriate for physical education
- Storage for personal items while students are attending physical education class

SPATIAL RELATIONSHIPS:

- Adjacent to student restroom/shower
- Adjacent to P.E./athletic office
- Direct access to both gymnasium and outdoor area
- Located on gymnasium level

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 48
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 25 - 60 students
SIZE: 550 - 850 SF
ANCILLARY SPACES:
 Student Restroom/Shower, H-PE-4
 P.E./Athletic Office, H-PE-6

NOTES:

**STUDENT LOCKER ROOM
H-PE-3**

CHAPTER 6: HIGH SCHOOL

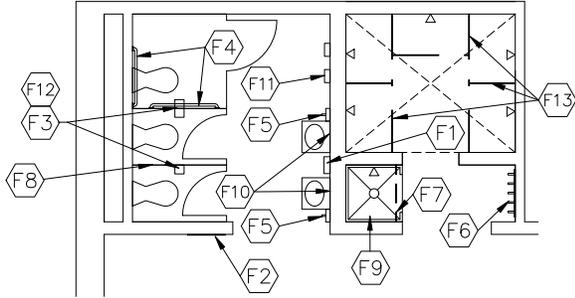
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Vinyl or rubber sheet flooring,	096500	F1 Athletic lockers	105113
rubber tile, or	096723	F2 8'-16' combination chalk/marker board, tack board, tackable wall surface	101100
resinous flooring		F3 Reserved	
<u>Base:</u>		F4 Locker benches	062000
Resilient base or	096500	F5 Mirrors	102813
resinous flooring	096723	<u>Fire Suppression:</u>	
<u>Ceiling:</u>		Fire suppression system	211000
Suspended, acoustical with high-impact,		<u>Plumbing:</u>	
hold-down clips	095113	Drinking fountain	224000/224700
Option: Exposed, painted pre-cast units	099100	<u>HVAC:</u>	
<u>Walls:</u>		Supply air system	Div. 23
Painted concrete masonry units		Exhaust air system	Div. 23
	042000/099100	Independent temperature control	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
Wastebaskets		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		2 duplex receptacles	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

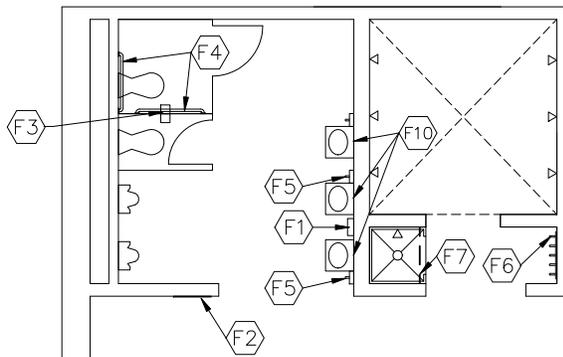
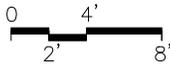
1. Finishes/Features: Refer to Chapter 9 for specification references.

**STUDENT RESTROOM/SHOWER
H-PE-4**

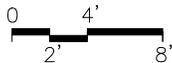
CHAPTER 6: HIGH SCHOOL



Female Student Locker Room



Male Student Locker Room



CAPACITY: 5 students
SIZE: 200 – 350 SF
ANCILLARY SPACES: Student Locker Room
 H-PE-4

PROGRAM ACTIVITIES:

- Serves as separate shower and restroom areas for males and females in the physical education and athletic programs
- Community adults and children may also use this facility after hours

SPATIAL RELATIONSHIPS:

- Adjacent to student locker room
- Direct access to both gymnasium and outdoor area

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall minimum STC 48
ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes

NOTES:

**STUDENT RESTROOM/SHOWER
H-PE-4**

CHAPTER 6: HIGH SCHOOL

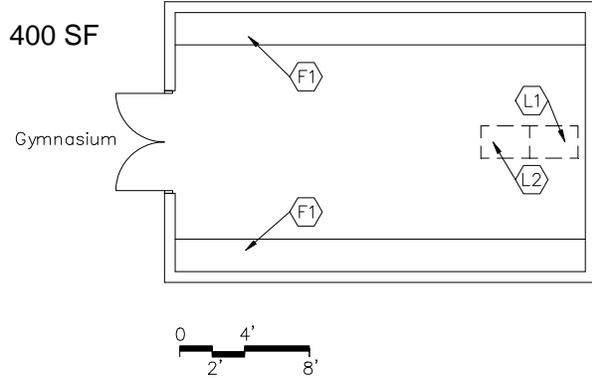
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Restroom: Vinyl, rubber sheet flooring, rubber tile, or resinous flooring	096500 093000 096723	F1 Towel dispensers	102813
Shower: Ceramic mosaic tile, porcelain tile, or resinous flooring		F2 24" by 60" mirror	102813
		F3 Toilet tissue holders	102813
		F4 36" and 42" grab bars	102813
		F5 Soap dispensers	102813
		F6 Towel hooks	102813
<u>Base:</u>		F7 Shower curtain and rod	102813
Restroom: Resilient base, resinous flooring, or integral vinyl cove base	096500 093000 096723	F8 Toilet partitions	102813
Shower: Ceramic mosaic tile base, porcelain tile base, resinous flooring, or integral vinyl cove base		F9 ADA shower accessories	102813
		F10 16" x 24" mirrors with shelves	102813
		F11 Sanitary product dispensers ²	102813
		F12 Sanitary product receptacles ²	102813
		F13 Modesty shower partitions ²	102813
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Restroom: Suspended, acoustical with high-impact & hold-down clips	095113	Fire suppression system	211000
Shower: Painted portland cement plaster or interior finish system	092400/099100 092513	<u>Plumbing:</u>	
		Wall-mounted water closets	224000
		Wall-mounted lavatories or wash fountains	224000
		Wall-mounted urinals	224000
		ADA shower controls and head	224000
		Shower fixtures	224000
<u>Walls:</u>		<u>HVAC:</u>	
Epoxy-painted concrete masonry units	042000/099100	Supply/return air system	Div. 23
or ceramic wall tile in showers and latex paint in restroom	093000 099100	Exhaust air system	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
Wastebaskets		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		Single level switching	262726
		1 duplex receptacle	262726
		Emergency lighting	265100
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Toilet accessories and shower partitions for female locker rooms.
3. Optional: electric hand dryers

**PHYSICAL EDUCATION STORAGE
H-PE-5**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

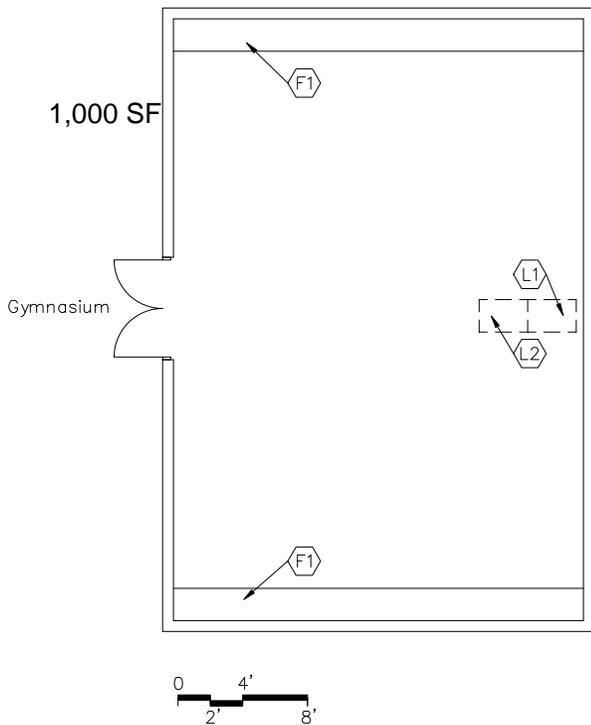
- Storage for physical education equipment

SPATIAL RELATIONSHIPS:

- Adjacent to gymnasium
- Near P.E./athletic office

ENVIRONMENTAL CONSIDERATIONS:

N/A



CAPACITY: N/A
 SIZE: 400 – 1,000 SF
 ANCILLARY SPACES: Gymnasium
 H-PE-1

NOTES:

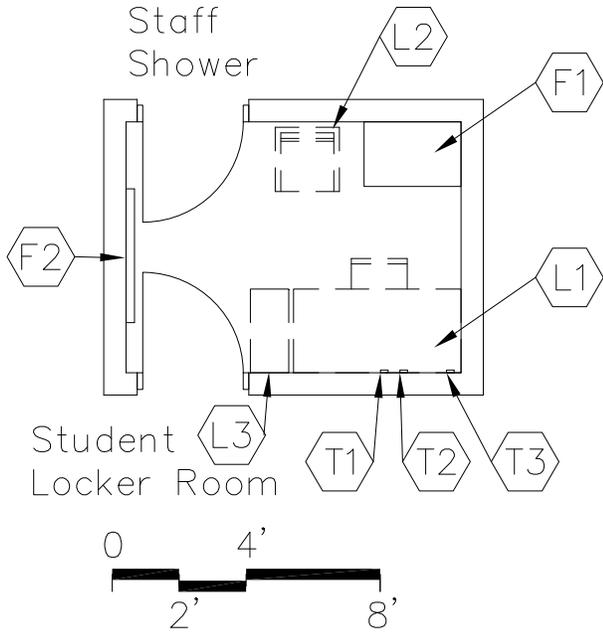
**PHYSICAL EDUCATION STORAGE
H-PE-5**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items²:</u>	
Sealed concrete	033000	F1 20' - 48' of open shelving, depths may vary (fixed or loose)	123550
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure		N/A	
Option: Rated gypsum wallboard	092113		
Walls:		<u>HVAC:</u>	
Unpainted concrete masonry units	042000	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Tumbling mats on carts		Single level switching	262726
L2 Ball carts		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the largest and smallest possible room size.



PROGRAM ACTIVITIES:

- Teacher office for planning, grading, conferences, and scheduling

SPATIAL RELATIONSHIPS:

- Adjacent to student locker room
- Adjacent to staff shower

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum STC 35, NRC 0.70

CAPACITY: 1 teacher
SIZE: 75 SF
ANCILLARY SPACES: Student Locker Room H-PE-3
 Staff Shower H-PE-7

NOTES:

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

P. E. / ATHLETIC OFFICE
H-PE-6

CHAPTER 6: HIGH SCHOOL

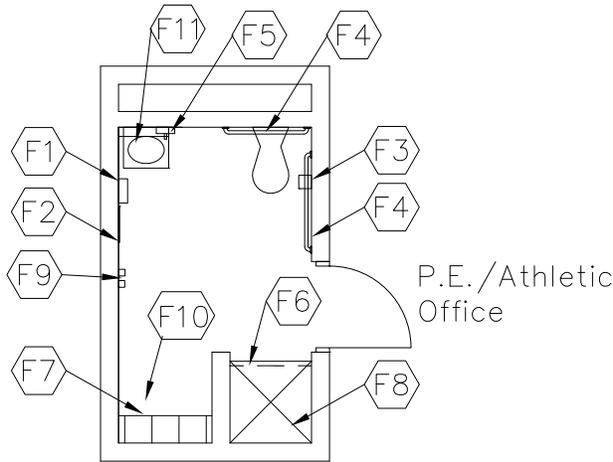
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Linoleum,	096500	F1 Tall wardrobe	123550
ET, sheet vinyl, or rubber	096516	F2 4' of tack board	101100
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Supply/return air system	Div. 23
		Independent temperature control	230923
		(coupled with similarly loaded	
		adjacent spaces)	
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Teacher desk and chair		Single level switching	262726
L2 Visitor chair		Fluorescent lighting	265100
L3 File cabinet		Illumination level: See Table 8600-6	
Wastebasket		4 duplex receptacles	262726
		Double duplex receptacle adjacent to	
		each data port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port near teacher workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior windows (optional)	081113/088000

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**STAFF SHOWER
H-PE-7**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Personal and health care needs for physical education teacher

SPATIAL RELATIONSHIPS:

- Adjacent to P.E./athletic office

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - walls minimum STC 48
ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes

CAPACITY: 1 person
 SIZE: 75 SF
 ANCILLARY SPACES: P.E./Athletic Office
 H-PE-6

NOTES:

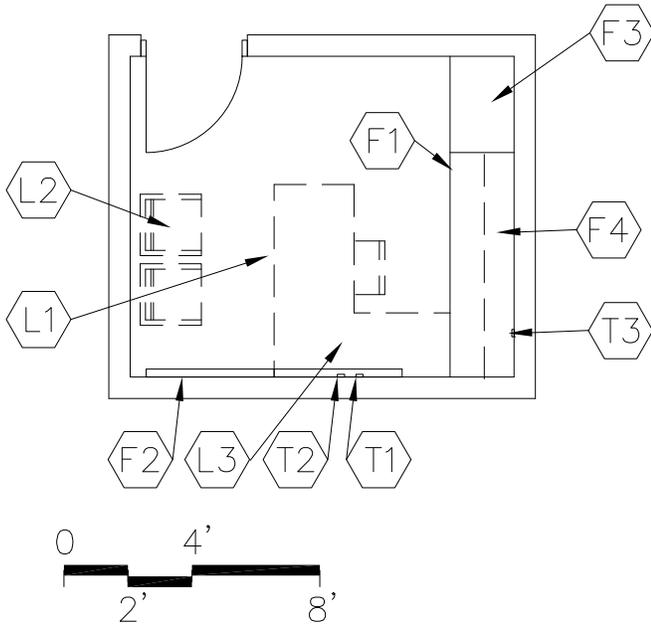
**STAFF SHOWER
H-PE-7**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Restroom: ET,	096500	F1 Towel dispenser	102813
sheet vinyl, or	096516	F2 24" x 60" mirror	102813
resinous flooring	093000	F3 Toilet tissue holder	102813
Shower: Ceramic mosaic tile,	096723	F4 36" and 42" grab bar	102813
porcelain tile, or resinous flooring		F5 Soap dispenser	102813
		F6 Shower curtain and rod	102813
		F7 3 athletic lockers	105113
<u>Base:</u>		F8 ADA Shower accessories	102813
Restroom: Resilient base,	096500	F9 Towel hooks	102813
resinous flooring, or	093000	F10 Built-in bench (optional)	102813
integral vinyl cove base	096723	F11 Mirror over sink with shelf (optional)	102813
Shower: Ceramic mosaic tile base,			
porcelain tile base, resinous flooring,			
or integral vinyl cove base			
		<u>Fire Suppression:</u>	
<u>Ceiling:</u>		Fire suppression system	211000
Restroom: Suspended, acoustical	095113		
Shower: Painted portland cement plaster	092400/099100	<u>Plumbing:</u>	
or interior finish system	092513	Wall-mounted water closet	224000
		Wall-mounted lavatory	224000
		ADA shower controls and head	224000
		Plumbing connections	224000/221116/221119
<u>Walls:</u>			
Epoxy painted concrete masonry units	042000/099100	<u>HVAC:</u>	
or ceramic wall tile in shower	093000	Exhaust air system	Div. 23
and latex paint in restroom	099100	Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
Wastebasket		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



PROGRAM ACTIVITIES:

- Space for planning and scheduling

SPATIAL RELATIONSHIPS:

- Near gymnasium

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 1 - 3 persons
 SIZE: 120 SF
 ANCILLARY SPACES:

NOTES:

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

**ATHLETIC DIRECTOR'S OFFICE
H-PE-8**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>			
Carpet, carpet tile	096816	<u>Fixed Items:</u>	
Option: Linoleum, ET, or sheet vinyl	096813 096516 096500	F1 Work surface with file drawers	123550
		F2 4' of tack board or marker board tackable wall surface	101100
		F3 Tall wardrobe	123550
		F4 Wall cabinets above work surface	123550
<u>Base:</u>			
Resilient base	096500		
<u>Ceiling:</u>			
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>Walls:</u>			
Painted concrete masonry units	042000/099100	<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>			
L1 Desk and chair		<u>HVAC:</u>	
L2 Visitor chairs		Supply/return air system	Div. 23
L3 Computer desk return		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
Wastebasket			
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to data and video port	262726
		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

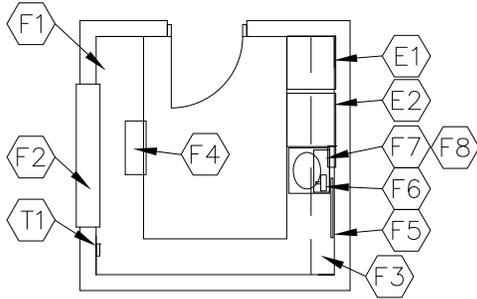
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

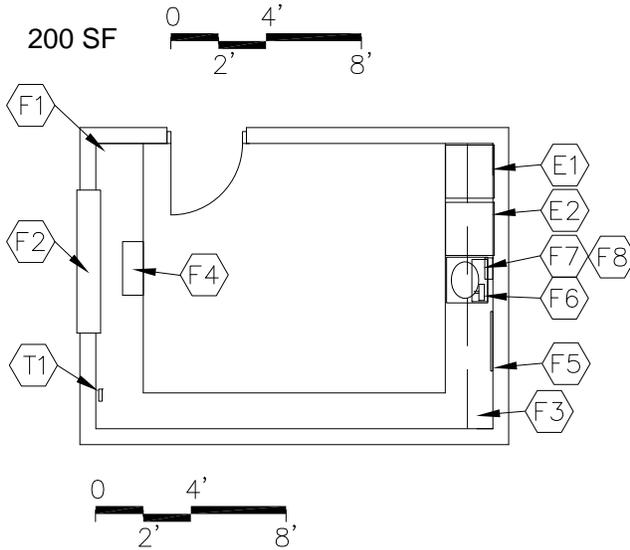
**LOBBY SERVICES
H-PE-9**

CHAPTER 6: HIGH SCHOOL

100 SF



200 SF



CAPACITY: 1 - 5 people
 SIZE: 100 - 500 SF

PROGRAM ACTIVITIES:

- Space for ticket sales
- Space for concession sales

SPATIAL RELATIONSHIPS:

- Near gymnasium

ENVIRONMENTAL CONSIDERATIONS:

- Adequate ventilation

NOTES:

LOBBY SERVICES
H-PE-9

CHAPTER 6: HIGH SCHOOL

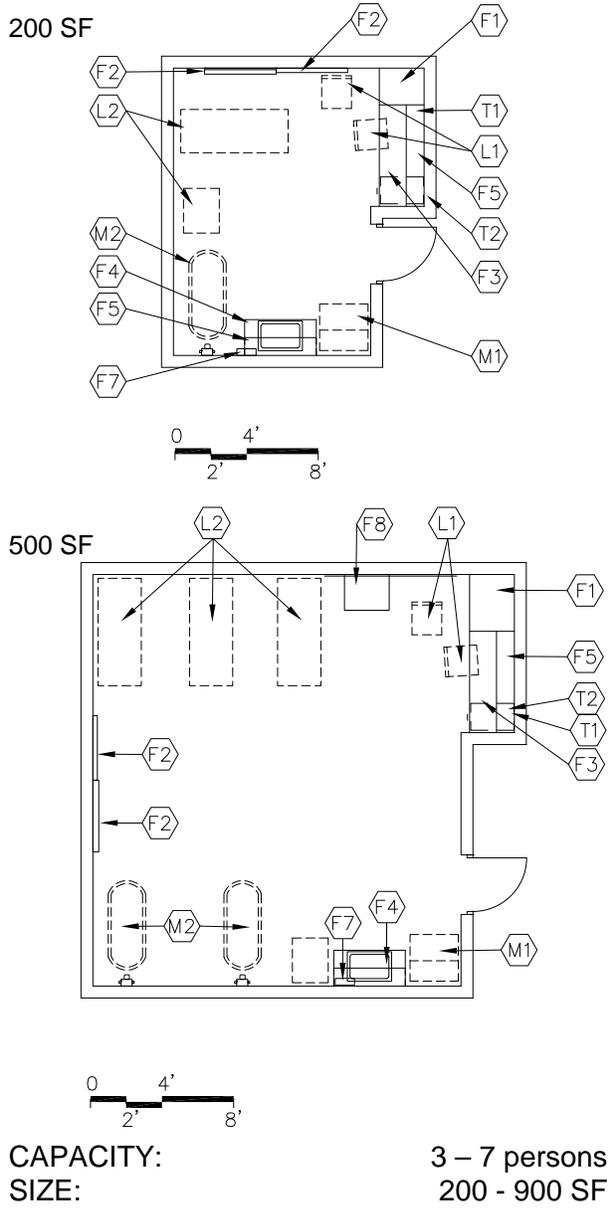
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum,	096516	F1 10' - 40' of base cabinets	123550
ET, sheet vinyl, or rubber	096500	F2 Coiling door	083320
		F3 Wall cabinets	123550
<u>Base:</u>		F4 Money drawer	
Resilient base	096500	F5 4' of tack board	101100
<u>Ceiling:</u>		F6 Soap dispenser	102813
Suspended, acoustical	095113	F7 Shelf above sink (optional)	102813
		F8 Towel dispenser	102813
<u>Walls:</u>		<u>Fire Suppression:</u>	
Painted concrete masonry units		Fire suppression system	211000
	042000/099100		
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
Stool		Washer connection	224000
		Sink in cabinet	224000
		Plumbing connections	224000/221116/221119
<u>EQUIPMENT:</u>		<u>HVAC:</u>	
E1 Washer		Supply/return air system	Div. 23
E2 Dryer		Independent temperature control	230923
		Dryer vent connection	Div. 23
		<u>Electrical:</u>	
		8 duplex receptacles	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-9	
		Single level switching	265100
		Receptacles for concession equipment	262726
		<u>Communications:</u>	
		T1 data port for cash register	271523
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**TRAINING ROOM
H-PE-10**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Injury rehabilitation
- Injury prevention
- Injury management
- Treatments such as hydro therapy, stretching, and taping

SPATIAL RELATIONSHIPS:

- Near multi-use P.E. room
- Near physical health classroom
- Near gymnasium
- Near student locker rooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 40
ceiling minimum CAC 35, NRC 0.70

NOTES:

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

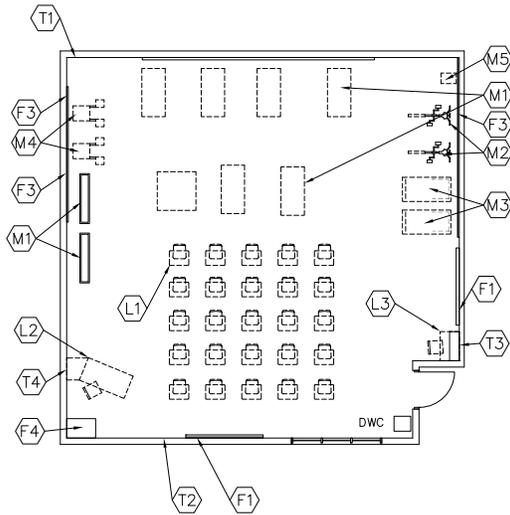
**TRAINING ROOM
H-PE-10**

CHAPTER 6: HIGH SCHOOL

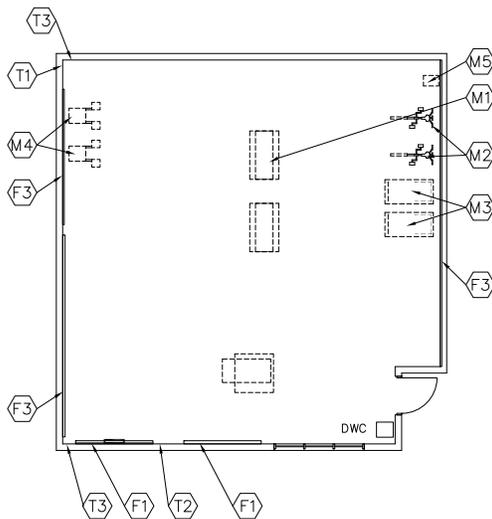
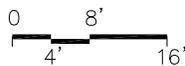
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Sheet vinyl, rubber, or rubber tile	096500	F1 Tall wardrobe with files	123550
Base:		F2 8'-12' combination chalk/marker board, tack board, tackable wall surface	101100
Resilient base	096500	F3 Work surface with file drawers	123550
Ceiling:		F4 3' sink base cabinet	123550
Suspended, acoustical	095113	F5 Wall cabinets	123550
Walls:		F6 Reserved	
Painted concrete masonry units	042000/099100	F7 Towel dispenser	102813
		F8 About 3' tall storage cabinet	123550
<u>LOOSE FURNISHINGS:</u>		<u>Fire Suppression:</u>	
L1 Chairs		Fire suppression system	211000
L2 Taping tables		<u>Plumbing:</u>	
Wastebasket		Plumbing connections	224000/221116/221119
		Whirlpool, sink, and washer/dryer	Div. 23
		<u>HVAC:</u>	
		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-6	
		Single level switching	262726
		2 duplex receptacles	262726
		Double duplex receptacle adjacent to each data port	262726
		Electrical power for ice machine and whirlpool	262726
		<u>Communications:</u>	
		T1 1 data port near trainer workstation	271513
		T2 1 voice port and phone	271513/ 273123
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		The following items are to be funded by the school district:	
		M1 Ice Machine	
		M2 Whirlpool	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



2,000 SF



CAPACITY:
SIZE:

15 - 25 students
1,500 SF

PROGRAM ACTIVITIES:

- Weight lifting
- Exercise on a variety of devices including stairclimbers, exercise bikes, and treadmills
- Instructional space for health, safety, first-aid, and other physical education classes
- Group and individual work
- Demonstrations

SPATIAL RELATIONSHIPS:

- Near training room
- Near gymnasium
- Near locker rooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70

NOTES:

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

**PHYSICAL HEALTH CLASSROOM
H-PE-11**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Sheet vinyl, rubber, or rubber tile	096500	F1 8'-16' combination chalk/marker board, tack board, tackable wall surface	101100
<u>Base:</u>		F2 Reserved	
Resilient base	096500	F3 5' high mirror mounted 12" above floor	088300
<u>Ceiling:</u>		F4 Tall wardrobe (optional)	123550
Suspended, acoustical	095113	<u>Fire Suppression:</u>	
<u>Walls:</u>		Fire suppression system	211000
Painted concrete masonry units	042000/099100	<u>Plumbing:</u>	
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		Drinking water cooler	224000
L1 Student desks and chairs(if applicable)		<u>HVAC:</u>	
L2 Teacher workstation and chair		Supply/return air system	Div. 23
L3 Computer workstation		Independent temperature control	230923
File drawer		<u>Electrical:</u>	
Wastebasket		Fluorescent lighting:	265100
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		8 – 10 duplex receptacles	262726
		Double duplex receptacle adjacent to each data port	262726
		<u>Communications:</u>	
		T1 1 video port and video display device	271533/271543/274119
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port	271513
		T4 1 data port near teacher workstation	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		The following items are to be funded by the school district:	
		M1 Weight lifting equipment	
		M2 Stationary bikes	
		M3 Treadmills	
		M4 Stairclimbers	
		M5 Digital weight scale	

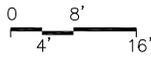
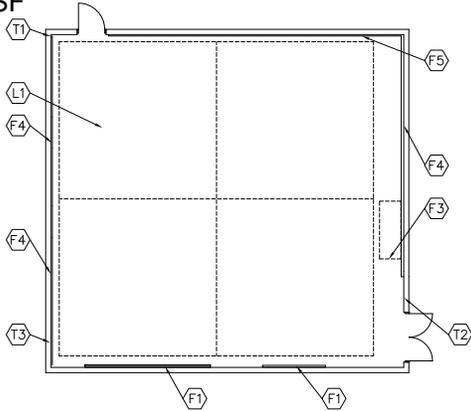
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.

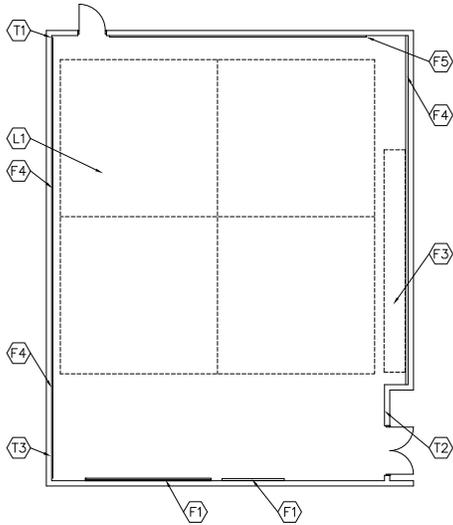
**MULTI-USE P.E. ROOM
H-PE-12**

CHAPTER 6: HIGH SCHOOL

1,600 SF



3,000 SF



CAPACITY: 22-25 students
 SIZE: 1,400 – 2,400 SF

PROGRAM ACTIVITIES:

- Auxiliary space for wrestling in physical education classes
- Dance
- Aerobics
- Gymnastics

SPATIAL RELATIONSHIPS:

- Near gymnasium
- Near locker rooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - wall **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70
- Flexibility of space

NOTES:

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

**MULTI-USE P.E. ROOM
H-PE-12**

CHAPTER 6: HIGH SCHOOL

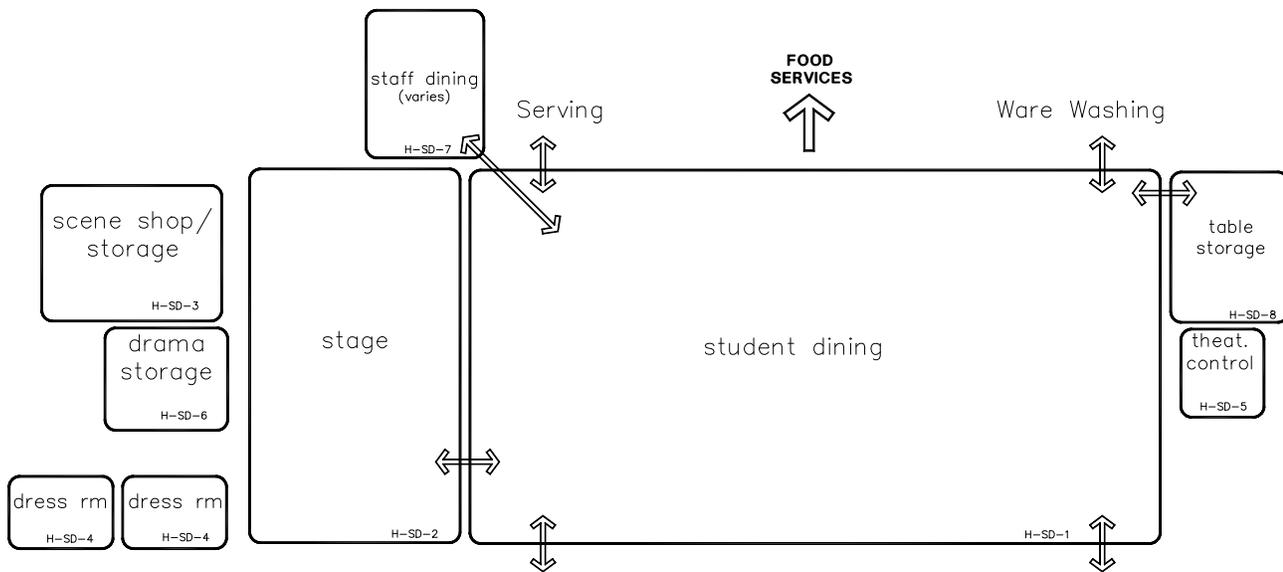
<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> :	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Linoleum,	096516	F1 8'-24' combination chalk/marker board, tack board, tackable wall surface	101100
ET, sheet vinyl, rubber, or	096500	F2 Reserved	
fluid-applied athletic flooring	096766	F3 Mat hoist (optional)	116623
Base:		F4 Safety wall wainscot	116623
Resilient base	096500	<u>Fire Suppression:</u>	
Ceiling:		Fire suppression system	211000
Painted exposed structure	099100	<u>Plumbing:</u>	
Walls:		N/A	
Painted concrete masonry units	042000/099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Supply/return air system	Div. 23
L1 Wrestling mat		Independent temperature control	230923
		<u>Electrical:</u>	
		High intensity discharge lighting:	265100
		or fluorescent lighting	
		Illumination level: See Table 8600-5	
		Multilevel switching	262726
		6 duplex receptacles	262726
		Double duplex receptacle adjacent to	
		each data and video port	262726
		Means of egress lighting	265100
		Emergency lighting per code	265100
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port	271513/273113
		T3 1 data port	271513
		Clock with wire guards	275313
		Central sound system horns	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

STUDENT DINING SPACES H-SD

CHAPTER 6: HIGH SCHOOL



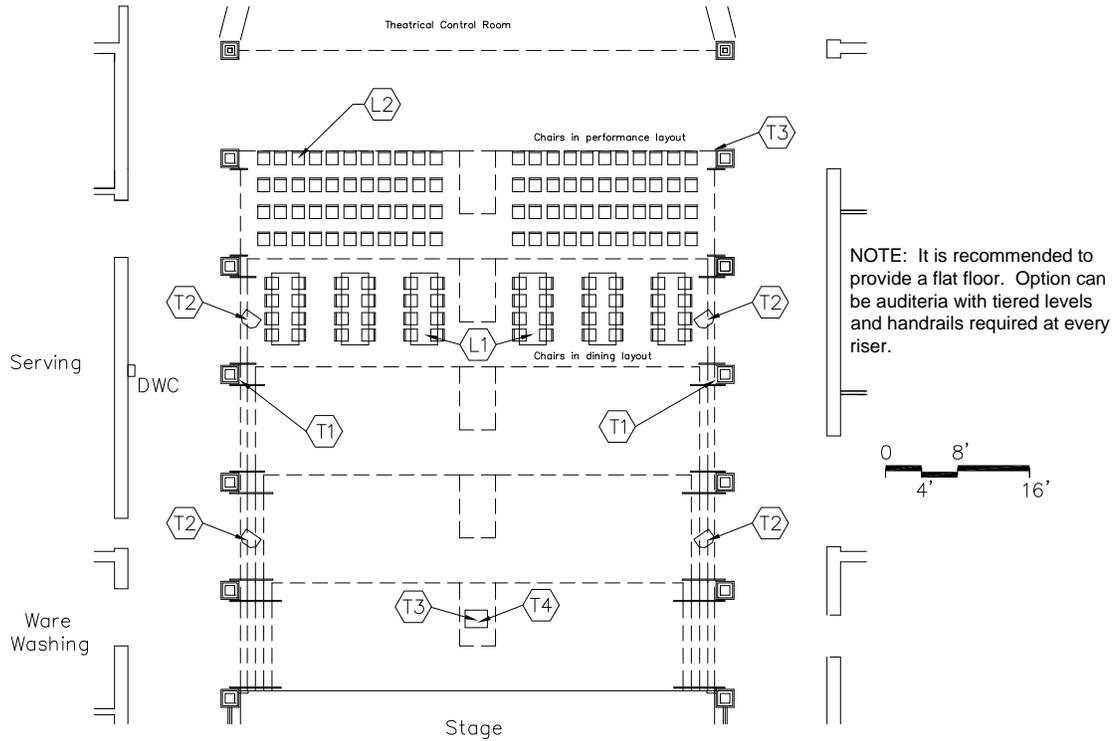
NOTES:

This is an example of how the student dining spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various areas of the building.

Following are the Student Dining space plates:

- H-SD-1 Student Dining
- H-SD-2 Stage
- H-SD-3 Scene Shop/Storage
- H-SD-4 Make-up/Dressing Room
- H-SD-5 Theatrical Control Room
- H-SD-6 Drama Storage
- H-SD-7 Staff Dining
- H-SD-8 Table Storage
- H-SD-9 Family Restroom**

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CAPACITY: 1/3 of student capacity
SIZE: 1/3 of student capacity multiplied by 17.5 SF per student or 3,000 SF whichever is greater
ANCILLARY SPACES: Kitchen, H-FS-1
 Stage, H-SD-2
 Theatrical Control Room, H-SD-5

PROGRAM ACTIVITIES:

- Student dining
- Large group instruction, meetings and banquets
- Watching performances
- Special activities
- Refreshment area for school activities

SPATIAL RELATIONSHIPS:

- Adjacent to stage
- Adjacent to kitchen
- Adjacent to theatrical control room

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - walls and ceiling to be designed for auditorium-type acoustics sound system, theatrical lighting
- Flexibility of space
- Access capability
- Environmental sound control wall minimum STC 60

NOTES:

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

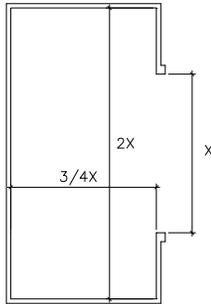
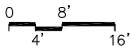
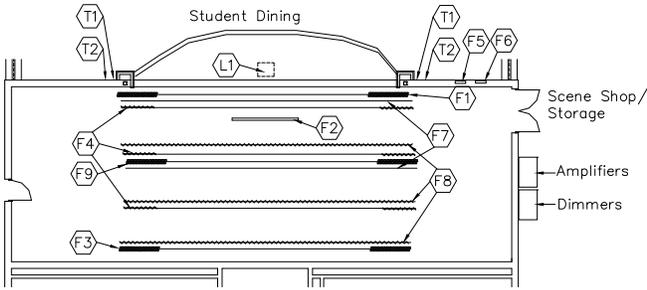
**STUDENT DINING
H-SD-1**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum, rubber, ET,	096500	N/A	
sheet vinyl, porcelain tile,	096516		
resinous flooring,	096723	<u>Fire Suppression:</u>	
polished concrete finishing,	033510	Fire suppression system	211000
or colored concrete finishing	033519		
<u>Base:</u>		<u>Plumbing:</u>	
Resilient base	096500	Drinking water cooler	
Option: Porcelain tile base	093000	224000	
<u>Ceiling³:</u>		<u>HVAC:</u>	
Suspended, acoustical	095113	Supply/return air system	Div. 23
Painted exposed structure	099100	Independent temperature control	230923
Reflector panels	098000	<u>Electrical:</u>	
<u>Walls:</u>		High intensity discharge lighting	265100
Painted concrete masonry units	042000/099100	or fluorescent lighting	
Diffusing block on 2 walls		Dimmable quartz lighting	265100
(minimum) or	042000	Theatrical lighting	265561
Acoustic treatment	098000	Illumination level: see table 8600-6	
(varies with geometry of room)		Multilevel switching with dimming	262726
		6 duplex receptacles	262726
		Double duplex receptacle adjacent to	
		each data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Telecommunications Grounding	270526/260526
<u>LOOSE FURNISHINGS:</u>		<u>Communications:</u>	
L1 Tables		T1 2 voice ports	271513/ 273123
L2 Folding or high-density stack chairs		T2 2 video ports	271533/271543
for large assembly use		T3 2 data ports (minimum)	271513
Waste receptacles		Clocks	275313
Recycling bins		Central sound system	275123
Carts for chairs		Student dining/auditeria sound system	275121
		T4 Overhead projector	274119
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Windows with interior blinds or	081113 /
		Windows with shading devices (optional)	088000

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Other types of ceiling may be appropriate based on the actual facility design. High ceilings are appropriate for auditorium-type of acoustics.



ASPECT RATIO OF STAGE

Proportions are recommended – not mandatory.

CAPACITY: N/A
 SIZE: Based on student capacity
 x = proscenium opening
 See diagram for dimension

ANCILLARY SPACES:
 Student Dining, H-SD-1
 Scene Shop and Storage, H-SD-3

PROGRAM ACTIVITIES:

- Stage acting
- Musical performances
- Presentations

SPATIAL RELATIONSHIPS:

- Near make-up/dressing rooms
- Adjacent to student dining
- Adjacent to scene shop storage

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control - walls and structure above to be designed for performance
- Stage set and rigging
- Access capability
- Auditorium-type acoustics and sound system, as well as theatrical lighting

NOTES:

**STAGE
H-SD-2**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> ¹ :	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Stage: Softwood or combination hardwood and softwood	096400	F1 Front curtain, track, and valance or grand border	116143
Stairs: Carpet, carpet tile , rubber, or wood	096816 096813	F2 Projection screen	116143
		F3 Rear curtain with track	116143
		F4 Leg curtains, tracks, and/or pivots	116143
<u>Base:</u>		F5 Sound control console receptacle	275121
Ventilated resilient base	096400	F6 Lighting control console receptacle	265100
		F7 Light pipe	116143
<u>Ceiling:</u>		F8 Border curtains	116143
Painted exposed structure	099100	F9 Mid-stage traveler	116143
		<u>Fire Suppression:</u>	
<u>Walls:</u>		Fire suppression system	211000
Painted concrete masonry units	042000/099100	<u>Plumbing:</u>	
		N/A	
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Podium		Supply/return air system	Div. 23
		Independent temperature control	230923
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: See Table 8600-10	
		Single level switching	262726
		Stage dimming system	265561
		Theatrical lighting	265561
		Illumination level: see table 8600-6	
		6 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		Emergency lighting per code	265100
		Means of egress lighting per code	265100
		Telecommunications Grounding	270526/260526
		<u>Communications:</u>	
		T1 2 video ports (1 on each side of proscenium opening)	271533/271543
		T2 2 data ports (1 on each side of proscenium opening)	271523
		Student dining/auditeria sound system ²	275121
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

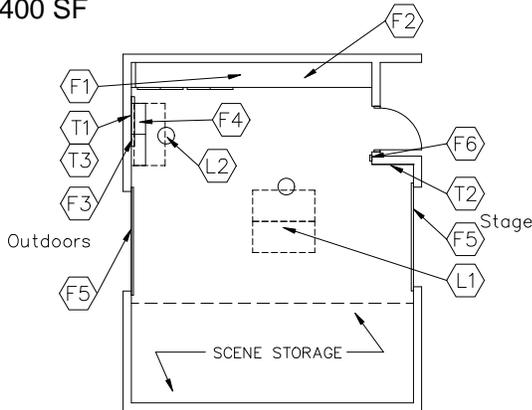
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Auditeria sound system is to be used in conjunction with the auditeria/student dining area.
3. Provide a reflective strip on floor at edge of stage.

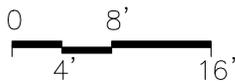
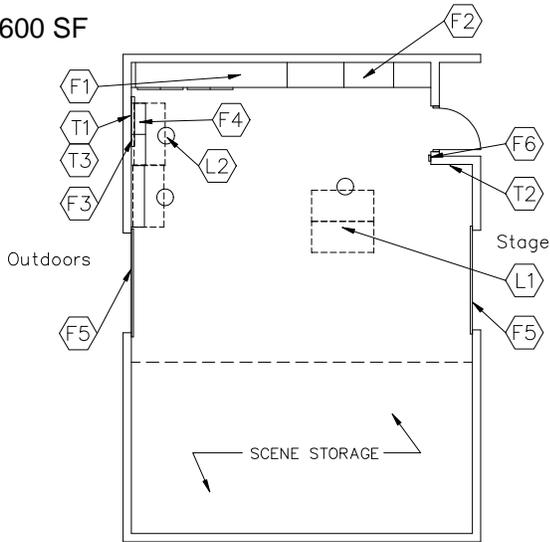
**SCENE SHOP AND STORAGE
H-SD-3**

CHAPTER 6: HIGH SCHOOL

400 SF



600 SF



CAPACITY: N/A
 SIZE: 400 - 1000 SF
 ANCILLARY SPACES: Stage, H-SD-2
 Auditoria/Student Dining, H-SD-1

PROGRAM ACTIVITIES:

- Construction of sets, flats, and scenery for fine arts performances
- Painting
- Cutting wood
- Assembling
- Gluing
- Storage of tools and materials
- Storage of sets, flats, and scenery

SPATIAL RELATIONSHIPS:

- Near stage
- Near drama storage
- Near auditoria/student dining
- Convenient to outside and materials delivery

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall minimum STC 40
 ceiling minimum CAC 35, NRC 0.70
- 12' clear height to nearest obstruction

NOTES:

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

**SCENE SHOP AND STORAGE
H-SD-3**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items²:</u>	
Sealed concrete	033000	F1 9'-22' of tall storage cabinets	123550
Base:		F2 5'-10' of wall cabinets (optional)	123550
Resilient base	096500	F3 4' of tack board	101100
Ceiling:		F4 5'-10' base cabinet with work counter	123550
Painted exposed structure	099100	F5 (2) 8' wide x 10' high overhead door	083613
Walls:		F6 Pencil sharpener support (optional)	062000
Painted concrete masonry units	042000/099100	<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>LOOSE FURNISHINGS:</u>		<u>Plumbing:</u>	
L1 Work tables		N/A	
L2 Work bench stools		<u>HVAC:</u>	
Waste receptacle		Supply/return air system	Div. 23
		Independent temperature control	230923
		Manual exhaust	Div. 23
		<u>Electrical:</u>	
		Fluorescent lighting:	265100
		Illumination level: see table 8600-6	
		Single level switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to each data and video port	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port	271513/273113
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Shop equipment by school district	
		Pencil sharpener (optional)	

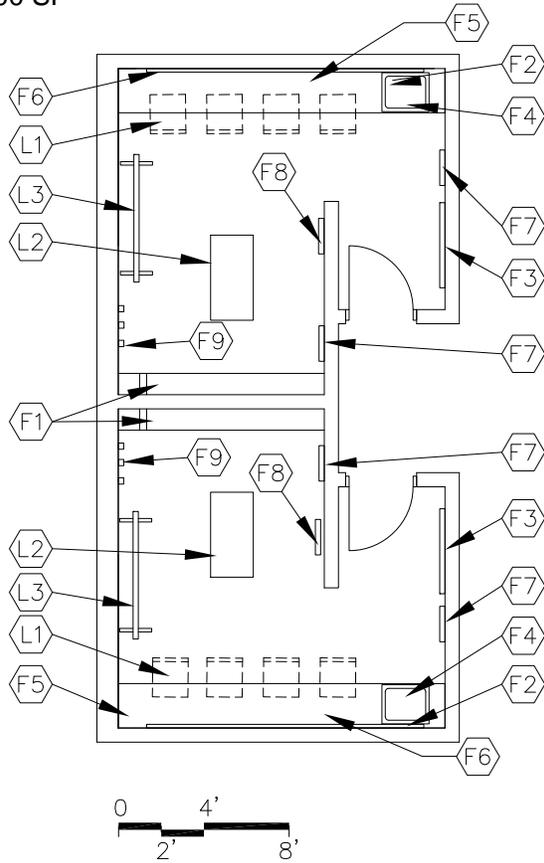
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room sizes.

**MAKEUP/DRESSING ROOMS
H-SD-4**

CHAPTER 6: HIGH SCHOOL

200 SF



PROGRAM ACTIVITIES:

- Dressing for stage productions
- Application of make-up for stage productions

SPATIAL RELATIONSHIPS:

- Near stage
- Near restrooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70

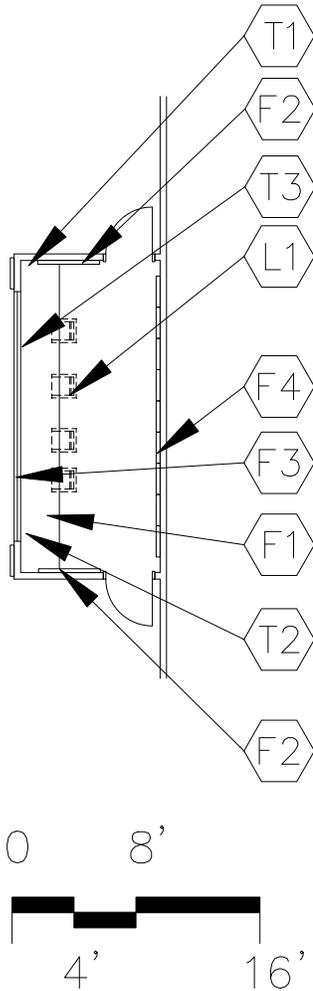
CAPACITY: 20 students
SIZE: 200 - 400 SF each male/female

NOTES:

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

**THEATRICAL CONTROL ROOM
H-SD-5**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Lighting and sound control for auditoria/student dining
- Slide, movie, and video projection
- Communications with stage

SPATIAL RELATIONSHIPS:

- Adjacent to auditoria/student dining
- Close proximity to stage

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control
- HVAC requirements based on high density of electronic equipment and people

CAPACITY: 5 persons
 SIZE: 200 SF
 ANCILLARY SPACES: Auditoria/Student Dining
 H-SD-1

NOTES:

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

**THEATRICAL CONTROL ROOM
H-SD-5**

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#	FEATURES: <u>Fixed Items:</u>	Spec. Ref.#
<u>FINISHES</u>¹:			
Flooring:			
Linoleum,	096516	F1 10'-20' of equipment/work surface	123550
ET, sheet vinyl, rubber,	096500	F2 4'-8' of tack board	101100
polished concrete finishing, or	033510	F3 Operable window (optional)	085113
colored concrete finishing	033519	F4 Acoustic wall treatment (optional)	098000
Base:			
Resilient base	096500	<u>Fire Suppression:</u>	
		Fire suppression system	211000
Ceiling:			
Suspended, acoustical	095113	<u>Plumbing:</u>	
		N/A	
Walls:			
Painted gypsum wallboard	042000/099100	<u>HVAC:</u>	
Acoustical wall treatment	098000	Supply/return air system	Div. 23
		Independent temperature control	230923
<u>LOOSE FURNISHINGS:</u>			
L1 Chairs		<u>Electrical:</u>	
Wastebasket		Fluorescent lighting: overhead	265100
		Illumination level: See Table 8600-6	
		Dimmable incandescent task	
		lighting on work surface	265100
		Single level switching	262726
		Student dining/auditeria lighting	
		wired through stage dimmer panel	
			265561
		4 duplex receptacles	262726
		Provisions for hard-wired equipment	
			260519/260533
		Empty communications conduit	
		with pull cable from stage for	
		future video projection control	Div. 26
		Stage dimming system	
		control panel	265561
		Telecommunications Grounding	
			270526/260526
<u>Communications:</u>			
T1		1 voice port and phone	271513/ 273123
T2		1 video port	271533/271543
T3		2 data ports	271513
		Student Dining/Auditeria sound system	
		control panel	275121
		Clock	275313
		Central sound system	275123
<u>Electronic Safety and Security:</u>			
		Life safety devices per code	283111
<u>Miscellaneous:</u>			
		N/A	

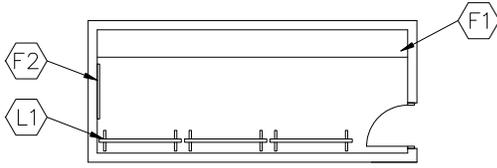
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**DRAMA STORAGE
H-SD-6**

CHAPTER 6: HIGH SCHOOL

200 SF



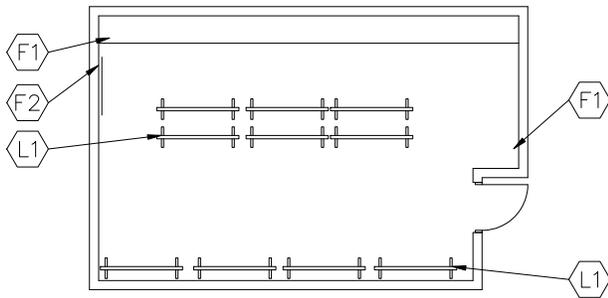
PROGRAM ACTIVITIES:

- Long- and short-term storage of drama department costumes
- Costume organization and inventory
- Costume distribution

SPATIAL RELATIONSHIPS:

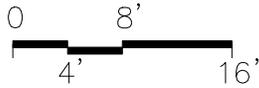
- Near scene shop/storage
- Near stage
- Near auditoria/student dining

600 SF



ENVIRONMENTAL CONSIDERATIONS:

N/A



CAPACITY: N/A
 SIZE: 200 – 1,000 SF

NOTES:

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

DRAMA STORAGE
H-SD-6

CHAPTER 6: HIGH SCHOOL

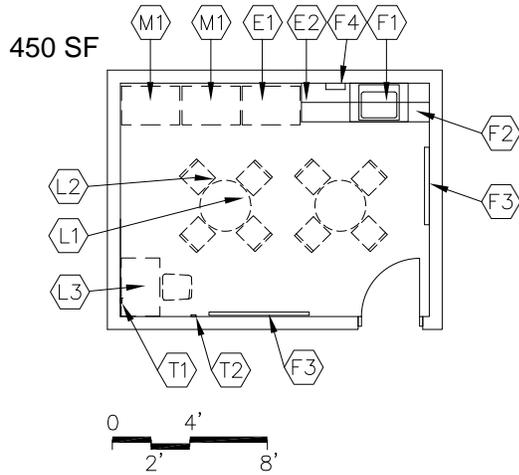
	Spec. Ref.#		Spec. Ref.#
<u>FINISHES</u> ¹ :		<u>FEATURES:</u>	
Flooring:		<u>Fixed Items:</u>	
Sealed concrete,	033000	F1 10'-22' of costume storage cabinets	123550
polished concrete finishing, or	033510	F2 4' of tack board (optional)	101100
colored concrete finishing	033519		
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	
Painted concrete masonry units		To be determined by Design Professional	
042000/099100		Supplementary heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Mobile clothes racks		Fluorescent lighting:	265100
		Illumination level: See Table 8600-6	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**STAFF DINING
H-SD-7**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

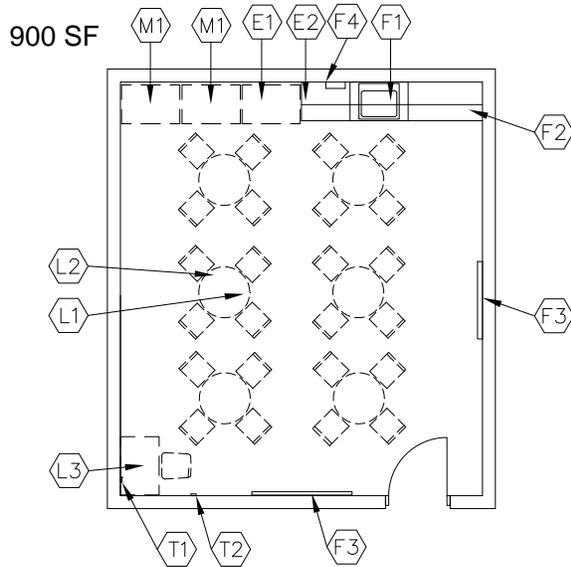
- Space for staff dining

SPATIAL RELATIONSHIPS:

- Near student dining
- Near food services

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
walls **only** minimum STC **45**
ceiling minimum CAC 35, NRC 0.70



CAPACITY: 8 – 24 staff
 SIZE: 450 – 1,200 SF
 ANCILLARY SPACES: Student Dining
 H-SD-1

NOTES:

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

**STAFF DINING
H-SD-7**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum, rubber, ET,	096500	F1 3' sink base cabinet with wall cabinet	123550
sheet vinyl, or porcelain tile	096516	F2 About 8' of base and wall cabinets	123550
resinous flooring	093000	F3 8'-10' combination chalk/marker	101100
	096723	board, tack board, tackable wall surface	
<u>Base:</u>		F4 Towel dispenser	102813
Resilient base	096500	<u>Fire Suppression:</u>	
Optional: porcelain tile base	093000	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	Sink	224000
<u>Walls:</u>		Plumbing connections	224000/221116/221119
Painted, concrete masonry units	042000/099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Supply/return air system	Div. 23
L1 Tables		Independent temperature control	230923
L2 Chairs		<u>Electrical:</u>	
L3 Computer workstation		Single level switching	262726
Waste receptacle		Fluorescent lighting	265100
<u>EQUIPMENT:</u>		Illumination level: See Table 8600-6	
E1 Refrigerator <i>with icemaker</i>		4 duplex receptacles	262726
E2 Microwave		Double duplex receptacle adjacent to	
		each video port	262726
		Receptacles for vending machines,	
		refrigerator, and microwave	262726
		<u>Communications:</u>	
		T1 1 video port	271533/271543
		T2 1 voice port and phone	271513/ 273123
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		The following items are to be funded by the school district:	
		M1 Vending machines	

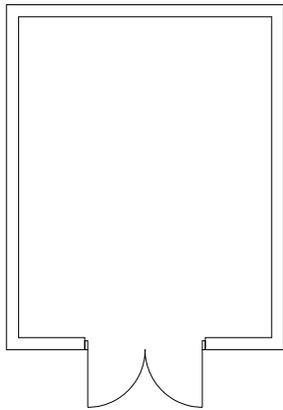
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

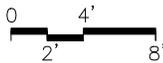
**TABLE STORAGE
H-SD-8**

CHAPTER 6: HIGH SCHOOL

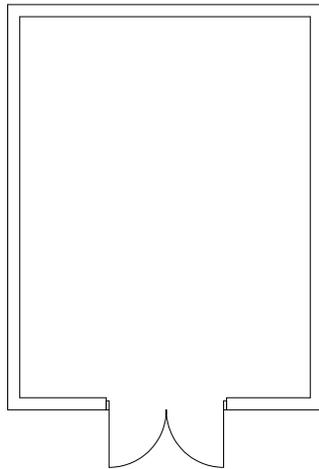
400 SF



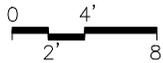
Student Dining



700 SF



Student Dining



CAPACITY:

SIZE:

ANCILLARY SPACES:

N/A

400 - 700 SF

Student Dining

H-SD-1

PROGRAM ACTIVITIES:

- Storage for tables and chairs

SPATIAL RELATIONSHIPS:

- Adjacent to student dining
- Near food services

ENVIRONMENTAL CONSIDERATIONS:

NOTES:

**TABLE STORAGE
H-SD-8**

CHAPTER 6: HIGH SCHOOL

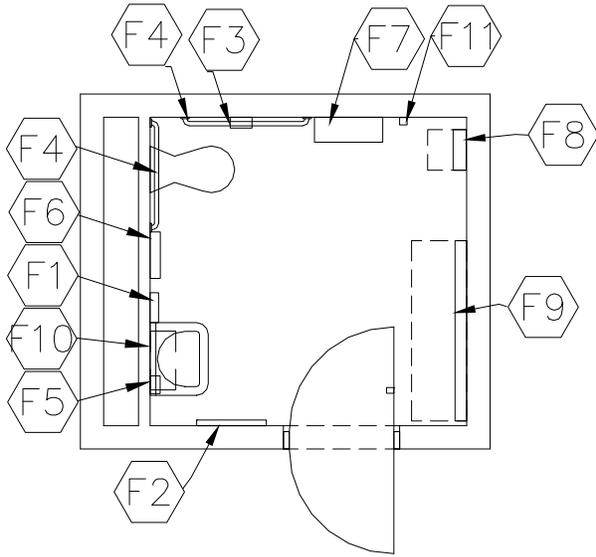
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Sealed concrete	093000	N/A	
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure		N/A	
Option: Rated gypsum wallboard	092116	<u>HVAC:</u>	
Walls:		Exhaust air system	Div. 23
Unpainted concrete masonry units	042000	Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**FAMILY RESTROOM
H-SD-9**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Personal, health, and handicap needs for all building occupants

SPATIAL RELATIONSHIPS:

- Located where best accessible to all building occupants and the public

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 48
ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes

CAPACITY: 2 people
SIZE: 80 SF

NOTES:

**FAMILY RESTROOM
H-SD-9**

CHAPTER 6: HIGH SCHOOL

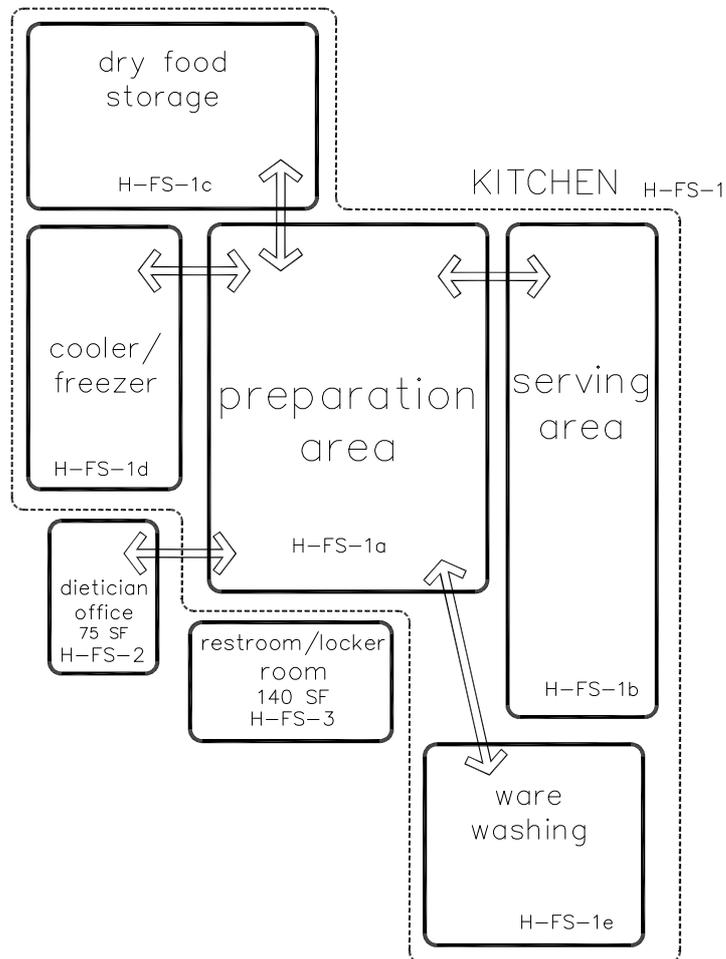
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Sheet vinyl,	096516	F1 Towel dispenser	102813
ceramic mosaic tile, or ET	096500	F2 24" x 60" mirror	102813
Optional: Ceramic mosaic tile,	093000	F3 Toilet tissue holder	102813
porcelain tile, or	096723	F4 36" and 42" grab bar	102813
resinous flooring		F5 Soap dispenser	102813
		F6 Sanitary napkin dispenser/disposal	102813
<u>Base:</u>		F7 Folding utility shelf	102813
Resilient base	096500	F8 Mounted child seat	102813
Optional: Ceramic mosaic tile,	093000	F9 Adult/child changing station	102813
porcelain tile, resinous flooring	096723	F10 16" x 24" mirror with shelf	102813
flooring, or integral vinyl cove base		F11 Coat hooks	102813
		<u>Fire Suppression:</u>	
<u>Ceiling:</u>		Fire suppression system	211000
Suspended, acoustical	095113		
		<u>Plumbing:</u>	
<u>Walls:</u>		Wall-mounted water closet	224000
Painted concrete masonry units	042000/099100	Wall-mounted lavatory	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Wastebasket		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

FOOD SERVICE SPACES H-FS

CHAPTER 6: HIGH SCHOOL



NOTES:

This is an example of how the food service spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various spaces of this area.

Following are the Food Service space plates:

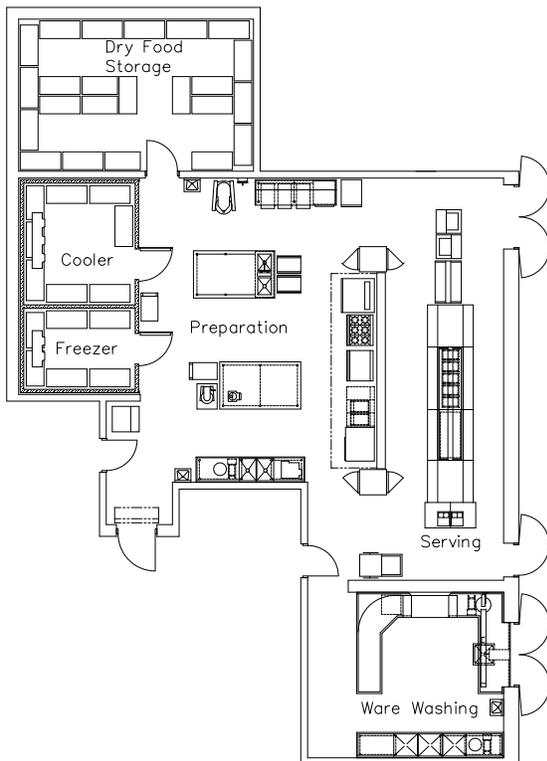
H-FS-0	Warming Kitchen
H-FS-1	Kitchen
H-FS-1a	Preparation Area
H-FS-1b	Serving Area
H-FS-1c	Dry Food Storage
H-FS-1d	Cooler/Freezer
H-FS-1e	Ware Washing
H-FS-2	Custodial Closet
H-FS-3	Dietician Office
H-FS-4	Restroom/Locker Room

KITCHEN H-FS-1

This space consists of various areas:

Preparation Area
Serving Area
Dry Food Storage
Cooler/Freezer
Ware Washing

A space plate follows for each of these areas.



CAPACITY: 3 – 10 persons
SIZE: Student capacity multiplied by 3.5 SF per student
ANCILLARY SPACES: Student Dining H-SD-1
Loading/Receiving Area H-BS-9

PROGRAM ACTIVITIES:

- Space for the planning, ordering, preparation, and serving of the meals, and for providing meals for the students and staff

SPATIAL RELATIONSHIPS:

- Adjacent to student dining
- Near staff dining
- Near table storage
- Adjacent to loading/receiving area

ENVIRONMENTAL CONSIDERATIONS:

- Compliance with State Board of Health requirements

MISCELLANEOUS:

- The sizing of the kitchen area assumes:
Type "A" meal service only at 80% of the student capacity and 3, 30-minute serving periods.

NOTES:

This kitchen layout is to be used only for a central kitchen operation.

**WARMING KITCHEN
H-FS-0**

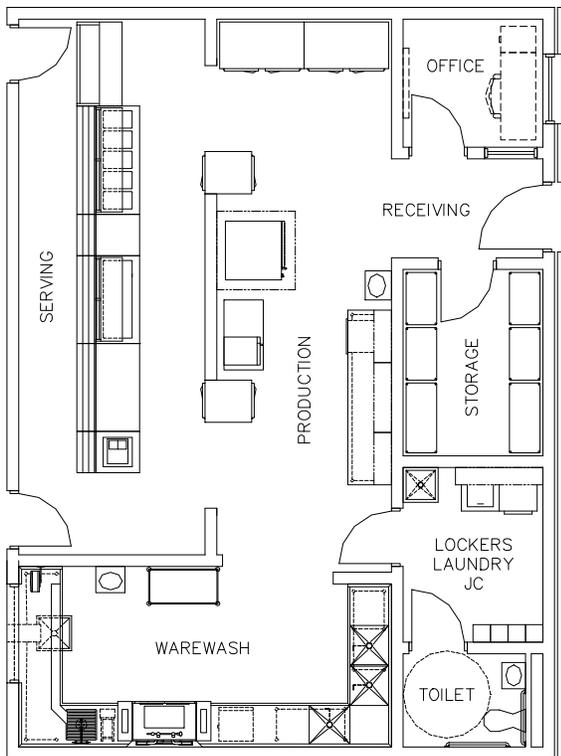
CHAPTER 6: HIGH SCHOOL

This space consists of various areas:

Production Area	25%
Serving Area	35%
Warewash	25%
Storage	10%
Receiving	5%

Additional areas to be added:

Office	75 SF
Toilet	50 SF
Lockers/Laundry/Janitorial Closet	125 SF



PROGRAM ACTIVITIES:

- Space for receiving, organizing, and serving of the meals prepared in the central kitchen.

SPATIAL RELATIONSHIPS:

- Adjacent to student dining
- Near staff dining
- Near table storage
- Adjacent to loading/receiving area

ENVIRONMENTAL CONSIDERATIONS:

- Compliance with State Board of Health requirements

MISCELLANEOUS:

- Kitchen area must be located adjacent to exterior loading dock area to receive transported food from central kitchen.

CAPACITY: 3 - 7 persons
SIZE: Student capacity multiplied by 2.0 SF per student
ANCILLARY SPACES: Student Dining H-SD-1
 Loading/Receiving Area H-BS-1

NOTES:

**WARMING KITCHEN
H-FS-0**

CHAPTER 6: HIGH SCHOOL

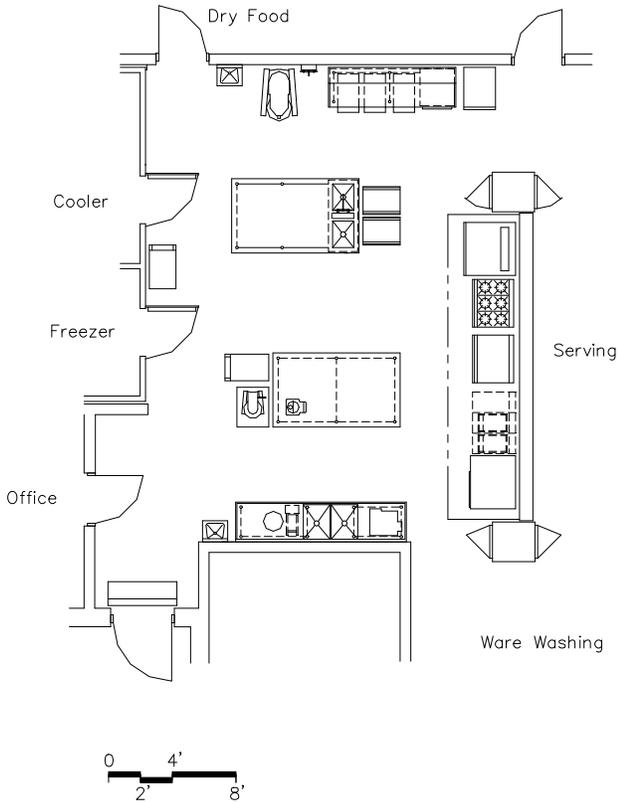
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Quarry tile or resinous flooring	093000 096723	Food service equipment	114000
<u>Base:</u>		<u>Fire Suppression:</u>	
Quarry tile base or integral base	093000	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Connections to food service eqpt.	224000
<u>Walls:</u>		Plumbing connections	224000/221116/221119
Epoxy-painted concrete masonry units	042000/099100	Hand washing lavatory	224000
Option: Ceramic wall tile or latex paint	093000 099100	Gas connections	226313
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
N/A		Supply/return air system	Div. 23
		Independent temperature control	230923
		Kitchen canopy exhaust system	233800
		<u>Electrical:</u>	
		Dual level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		10 duplex receptacles	262726
		Duplex receptacle at each cash register	262726
		Emergency lighting	265100
		Connections to food service eqpt.	262726
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		1 voice port and phone	271513/ 273123
		1 data port at cash register(s)	271513
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

**KITCHEN - Preparation Area
H-FS-1a**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Space and equipment for the preparation of food for students and staff

SPATIAL RELATIONSHIPS:

- Adjacent to the serving area
- Near the cooler/freezer
- Near the dry food storage

ENVIRONMENTAL CONSIDERATIONS:

- Proper ventilation of space to remove cooking odors
- Cleanable building surfaces

CAPACITY: 3 – 10 persons
SIZE: Based on 36% of the kitchen area
ANCILLARY SPACES: Part of the kitchen

NOTES:

1. This is an example of a preparation area. Food service equipment will vary from school district to school district.

**KITCHEN - Preparation Area
H-FS-1a**

CHAPTER 6: HIGH SCHOOL

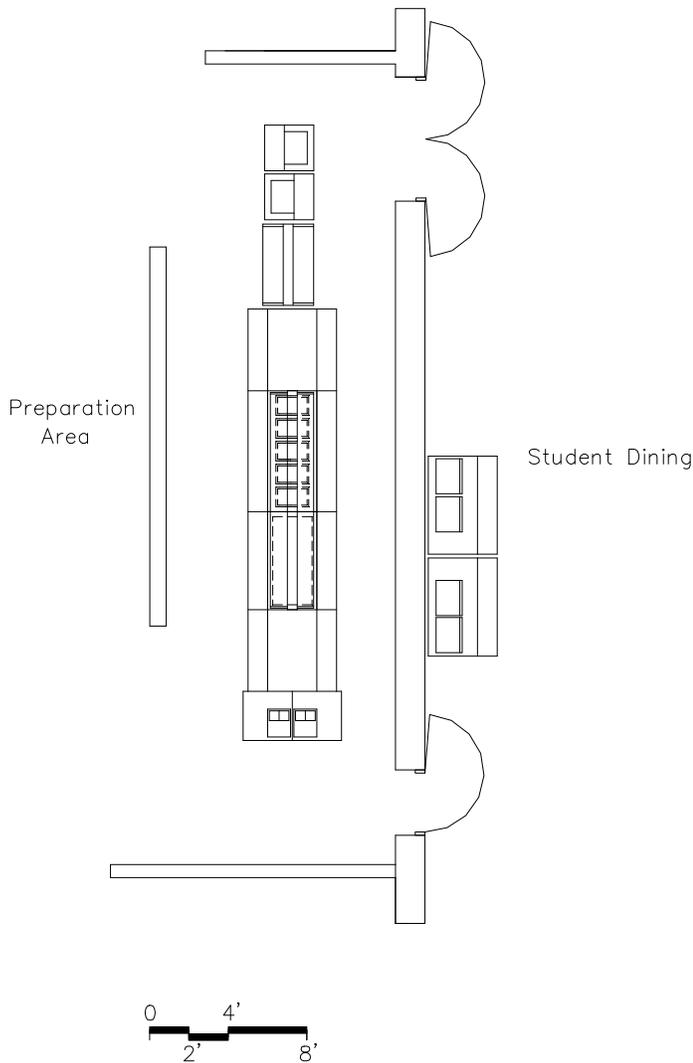
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Quarry tile or resinous flooring	093000 096723	Food service equipment	114000
Base:		<u>Fire Suppression:</u>	
Quarry tile base or integral base	093000	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Connections to food service equipment	224000
Walls:		Plumbing connections	224000/221116/221119
Epoxy-painted concrete masonry units	042000/099100	Hand washing lavatory	224000
Option: ceramic wall tile	093000	Gas connections	226313
or latex paint	099100	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Supply/return air system	Div. 23
N/A		Independent temperature control	230923
		Kitchen canopy exhaust system	233800
		<u>Electrical:</u>	
		Dual level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		4 duplex receptacles	262726
		Emergency lighting	265100
		Connections to food service equipment	262726
		Means of egress lighting per code	265100
		<u>Communications:</u>	
		1 voice port and phone	271513/ 273123
		Clock	275313
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

**KITCHEN - Serving Area
H-FS-1b**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Space for serving of food

SPATIAL RELATIONSHIPS:

- Adjacent to student dining
- Adjacent to preparation area

ENVIRONMENTAL CONSIDERATIONS:

- Cleanable building services

CAPACITY: N/A
SIZE: Based on 34% of the kitchen area
ANCILLARY SPACES: Part of the kitchen

NOTES:

1. This is an example of a serving area. Food service equipment will vary from school district to school district.

KITCHEN - Serving Area
H-FS-1b

CHAPTER 6: HIGH SCHOOL

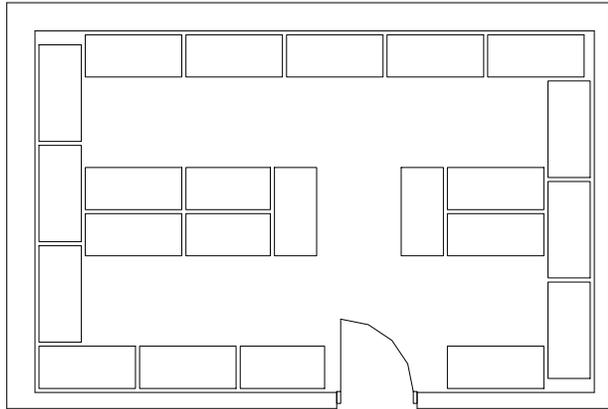
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		Fixed Equipment:	
Quarry tile	093000	Food service equipment	114000
Optional: porcelain tile or resinous flooring	096723	<u>Fire Suppression:</u>	
Base:		Fire suppression system	211000
Quarry tile base	093000	<u>Plumbing:</u>	
Optional: porcelain tile base, integral base		Connections to food service equipment	224000
Ceiling:		<u>HVAC:</u>	
Cleanable, suspended, acoustical	095113	Supply/return air system	Div. 23
Walls:		<u>Electrical:</u>	
Epoxy-painted concrete masonry units	042000/099100	Dual level switching	262726
Ceramic wall tile	093000	Fluorescent lighting	265100
or latex paint	099100	Illumination level: See Table 8600-6	
<u>LOOSE FURNISHINGS:</u>		4 duplex receptacles	262726
N/A		Connections to food service equipment	262726
		Emergency lighting	265100
		Means of egress lighting per code	265100
		Duplex receptacle at each cash register	262726
		<u>Communications:</u>	
		Data port(s) at cash register(s)	271513
		Clock	275313
		Central sound system	275123
		1 voice port and phone	271513/ 273123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

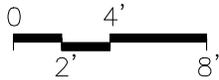
1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

**KITCHEN - Dry Food Storage
H-FS-1c**

CHAPTER 6: HIGH SCHOOL



Preparation Area



PROGRAM ACTIVITIES:

- Lockable space to store dry food products and government commodities for 15 to 30 days

SPATIAL RELATIONSHIPS:

- Near the food preparation area
- Access to the loading/receiving area

ENVIRONMENTAL CONSIDERATIONS:

- Continuous conditioning of air
- Cleanable building surfaces

CAPACITY: N/A
SIZE: Based on 11% of the kitchen area
ANCILLARY SPACES: Part of the kitchen

NOTES:

1. This is an example of a dry food storage area. Food service equipment will vary from school district to school district.

KITCHEN - Dry Food Storage
H-FS-1c

CHAPTER 6: HIGH SCHOOL

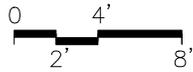
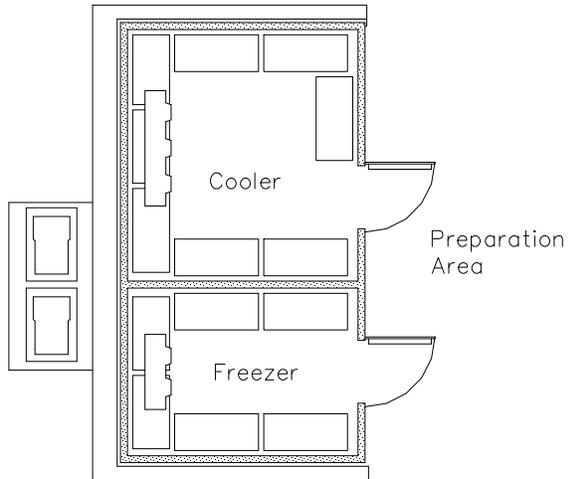
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Linoleum, ET, or sheet vinyl	096500	Food service equipment	114000
Option: Quarry tile or resinous flooring	093000 096516 096723	<u>Fire Suppression:</u>	
		Fire suppression system	211000
<u>Base:</u>		<u>Plumbing:</u>	
Resilient base	096500	N/A	
Option: Quarry tile	093000		
<u>Ceiling:</u>		<u>HVAC:</u>	
Cleanable, suspended, acoustical	095113	Exhaust air system	Div. 23
		Supply/return air system	Div. 23
<u>Walls:</u>		<u>Electrical:</u>	
Epoxy-painted concrete masonry units	042000/099100	Single level switching	262726
Option: Ceramic wall tile	093000	Fluorescent lighting	265100
or latex paint	099100	Illumination level: See Table 8600-6	
		1 duplex receptacle	262726
<u>LOOSE FURNISHINGS:</u>		<u>Communications:</u>	
N/A		N/A	
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

KITCHEN - Cooler/Freezer
H-FS-1d

CHAPTER 6: HIGH SCHOOL



CAPACITY: N/A
 SIZE: Based on 10% of the kitchen area
 ANCILLARY SPACES: Part of the Kitchen

PROGRAM ACTIVITIES:

- Space for refrigerated storage of perishable products

SPATIAL RELATIONSHIPS:

- Adjacent to food preparation area
- Access to the loading/receiving area

ENVIRONMENTAL CONSIDERATIONS:

- Ventilation for refrigeration machinery
- Cleanable building surfaces
- Floor to be flush with adjacent kitchen floor

NOTES:

1. This is an example of a cooler/freezer. Food service equipment will vary from school district to school district.

**KITCHEN - Cooler/Freezer
H-FS-1d**

CHAPTER 6: HIGH SCHOOL

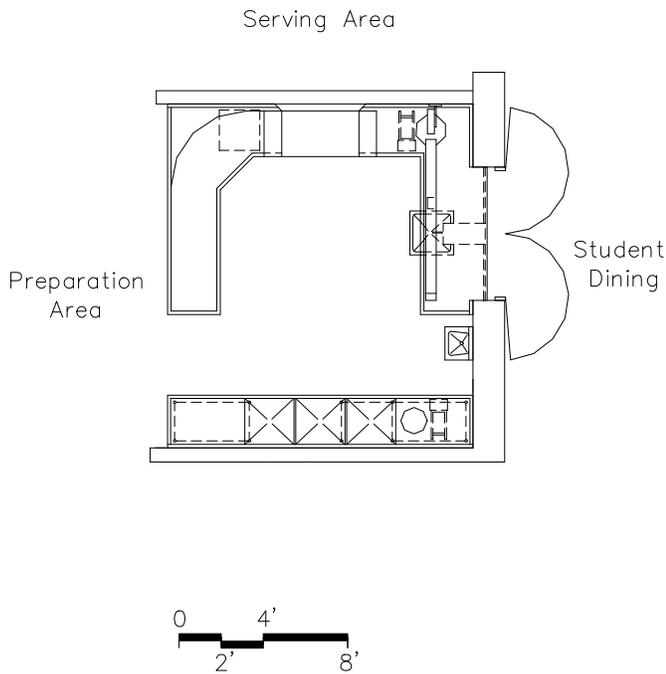
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Quarry tile or resinous flooring	093000	Food service equipment	114000
	096723		
Base:		<u>Fire Suppression:</u>	
Quarry tile base or integral base	093000	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Manufactured insulated panel	114000	N/A	
Walls:		<u>HVAC:</u>	
Manufactured insulated panel	114000	Exhaust air system for compressors Div. 23	
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Incandescent lighting	265100
		Illumination level: See Table 8600-6	
		Electrical connections to freezer/cooler refrigeration equipment	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

**KITCHEN - Ware Washing
H-FS-1e**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Adjacent to student dining

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: N/A
 SIZE: Based on 9% of the kitchen area
 ANCILLARY SPACES: Part of the kitchen

NOTES:

1. This is an example of a ware washing area. Food service equipment will vary from school district to school district.

**KITCHEN - Ware Washing
H-FS-1e**

CHAPTER 6: HIGH SCHOOL

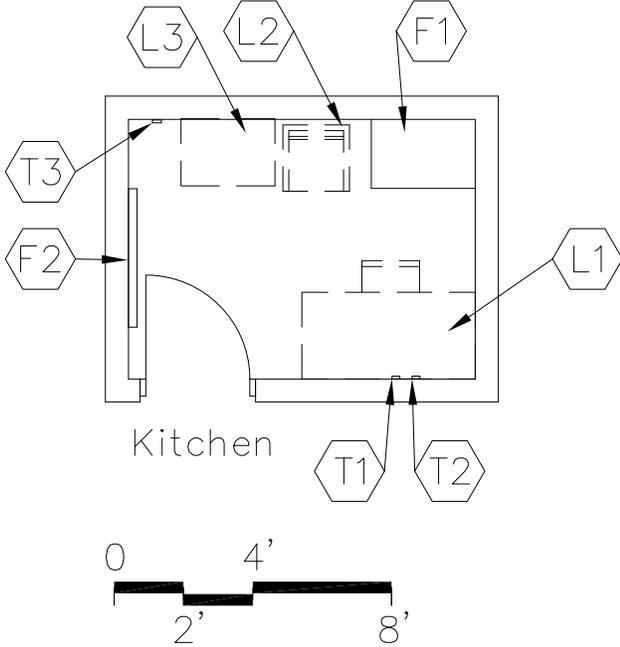
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Quarry tile or resinous flooring	093000 096723	Food service equipment	114000
Base:		<u>Fire Suppression:</u>	
Quarry tile base or integral base	093000	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Lavatory	224000
Walls:		Connections to food service equipment	224000
Epoxy-painted concrete masonry units	042000/099100	<u>HVAC:</u>	
Option: Ceramic wall tile	093000	Supply/return air system	Div. 23
or latex paint	099100	Independent temperature control	230923
		Exhaust hood system	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Dual level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		1 duplex receptacle	262726
		Connections to food service equipment	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

**DIETICIAN'S OFFICE
H-FS-2**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Space for the dietician to plan menus and meet with various vendors

SPATIAL RELATIONSHIPS:

- Adjacent to kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Optional – window with integral blind

CAPACITY: 1 - 2 persons
 SIZE: 75 SF
 ANCILLARY SPACES: Kitchen
 H-FS-1

NOTES:

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

**DIETICIAN'S OFFICE
H-FS-2**
CHAPTER 6: HIGH SCHOOL

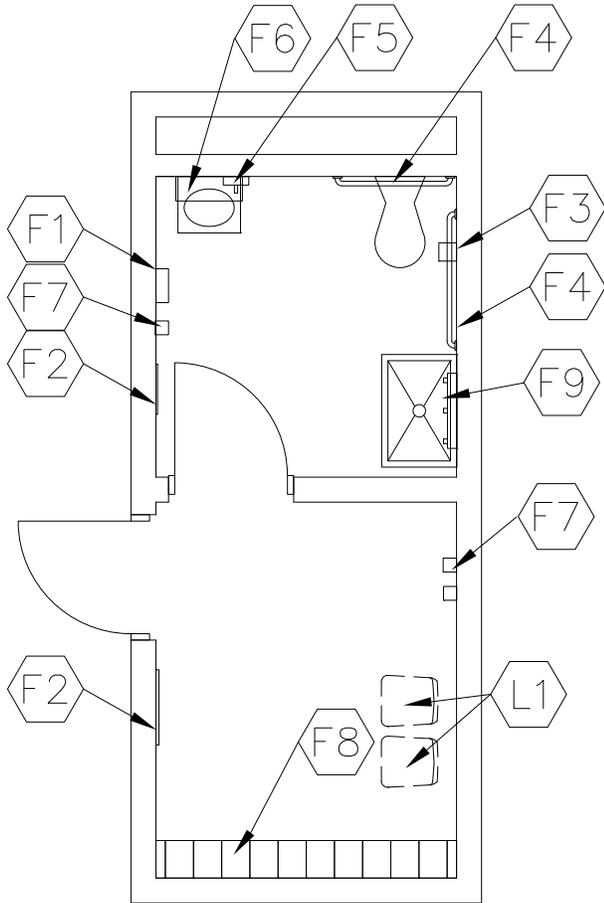
	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items:</u>	
Linoleum, <i>ET</i> , or sheet vinyl	096500	F1 Tall wardrobe (optional)	123550
	096516	F2 4' of tack board	101100
Option: Quarry tile <i>or resinous flooring</i>	093000 096723	<u>Fire Suppression:</u>	
		Fire suppression system	211000
Base:		<u>Plumbing:</u>	
Resilient base	096500	N/A	
Option: Quarry tile	093000		
Ceiling:		<u>HVAC:</u>	
Suspended, acoustical	095113	Supply/return air system	Div. 23
		Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
Walls:		<u>Electrical:</u>	
Painted concrete masonry units	042000/099100	Single level switching	262726
		Fluorescent lighting	265100
<u>LOOSE FURNISHINGS:</u>		Illumination level: See Table 8600-6	
L1 Desk and chair		4 duplex receptacles	262726
L2 Visitor chair		Double duplex receptacle adjacent to data and video port	262726
L3 File cabinet			
Wastebasket		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		T2 1 data port near workstation	271513
		T3 1 video port	271533/271543
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window (optional)	081113/088000

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Fixed equipment or loose furnishings can also be all fixed or all loose.

**RESTROOM / LOCKER ROOM
H-FS-3**

CHAPTER 6: HIGH SCHOOL



CAPACITY: 2 persons
 SIZE: 140 SF
 ANCILLARY SPACES:

PROGRAM ACTIVITIES:

- Personal and health needs for food service staff

SPATIAL RELATIONSHIPS:

- Adjacent to kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall minimum STC 48
 ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes

NOTES:

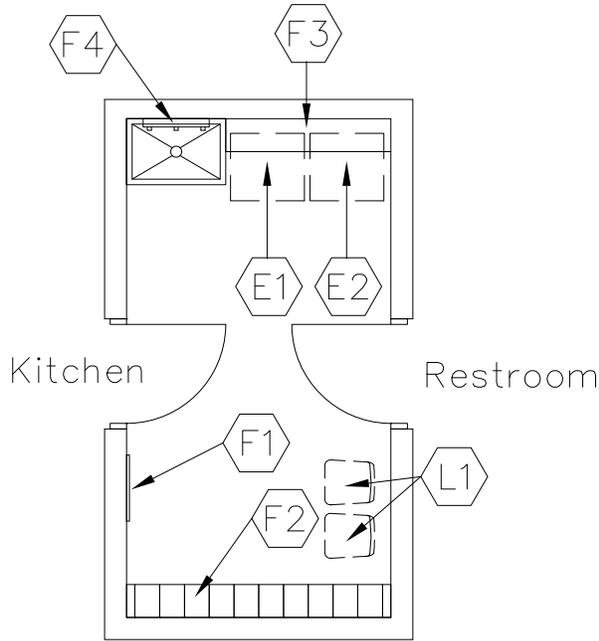
**RESTROOM / LOCKER ROOM
H-FS-3**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> ¹ :	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
ET, sheet vinyl,	096516	F1 Towel dispenser	102813
	096500	F2 2 , 24" x 60" mirrors	102813
Optional: quarry tile, resinous	093000	F3 Toilet tissue holder	102813
flooring	096723	F4 36" and 42" grab bar	102813
		F5 Soap dispenser	102813
<u>Base:</u>		F6 Mirror with shelf above sink(optional)	102813
Resilient base	096500	F7 Coat hooks	102813
Optional: quarry tile, or	093000	F8 Lockers 12" x 12" x 60"	105113
integral vinyl cove base,	096723	F9 Mop holder	102813
integral resinous			
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
<u>Walls:</u>		<u>Plumbing:</u>	
Painted concrete masonry units	042000/099100	Wall-mounted water closet	224000
		Wall-mounted lavatory	224000
		Floor service sink	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
L1 Chairs		Exhaust air system	Div. 23
Wastebasket		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		2 duplex receptacles	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



PROGRAM ACTIVITIES:

- Space for the food service staff to store their personal belongings and to change their clothing
- Space for the washing, drying, and storage of towels, aprons, etc.
- ***This space could replace H-FS-3***

SPATIAL RELATIONSHIPS:

- Adjacent to kitchen
- Adjacent to restroom

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 48
ceiling minimum CAC 35, NRC 0.70

CAPACITY: 2 persons
 SIZE: 125 SF
 ANCILLARY SPACES: Kitchen, H-FS-1
 Restroom, H-FS-3

NOTES:

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

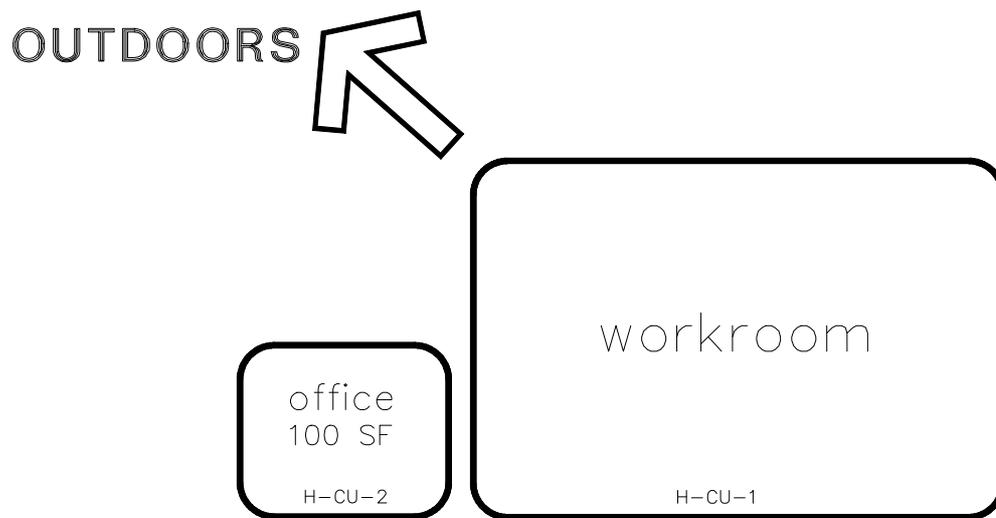
**LOCKER ROOM
H-FS-4**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Sheet vinyl, rubber, rubber tile, or resinous flooring	096500 096723	F1 24" x 60" mirror (optional)	102813
		F2 Lockers 12" x 12" x 60"	105113
		F3 6' of wall cabinets or shelf (optional)	123550
		F4 Mop holder	102813
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base, resinous flooring, or integral vinyl cove base	096500 096723	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical with high-impact, hold-down clips	095113	Plumbing connections	224000/221116/221119
Option: exposed, painted pre-cast units	099100	Floor service sink	224000
		Washer connection	224000
<u>Walls:</u>		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		Dryer vent system	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Chairs		Single level switching	262726
Wastebasket		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		1 duplex receptacle	262726
		Connections for washer and dryer	262726
<u>EQUIPMENT:</u>		<u>Communications:</u>	
E1 Washer		Central sound system	275123
E2 Dryer		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Provide storage cabinet for supplies if required by governing agency.	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



NOTES:

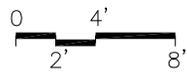
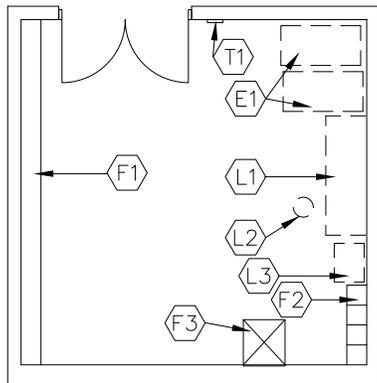
This is an example of how the custodial spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various spaces of this area.

Following are the Custodial space plates:

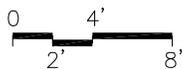
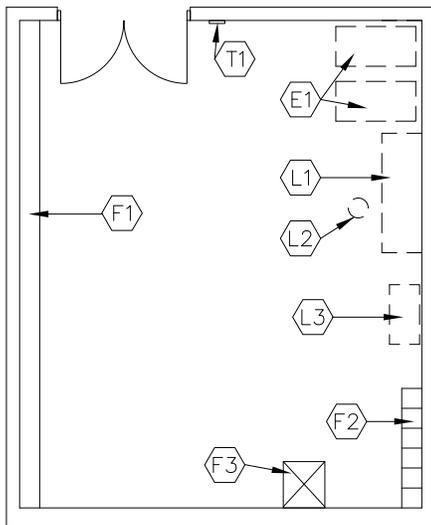
H-CU-1	Workroom
H-CU-2	Custodial Office

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200 SF



400 SF



CAPACITY:
SIZE:

N/A
200 - 800 SF

PROGRAM ACTIVITIES:

- Space for storage of custodial equipment needed to maintain the building
- Space for equipment repair

SPATIAL RELATIONSHIPS:

- Near central storage area
- Near custodial office

ENVIRONMENTAL CONSIDERATIONS:

N/A

NOTES:

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

**WORKROOM
H-CU-1**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. <u>Ref.#</u>	<u>FEATURES¹:</u>	Spec. <u>Ref.#</u>
<u>Flooring:</u>		<u>Fixed Items²:</u>	
Sealed concrete,	033000	F1 10' - 24' of open shelving,	
polished concrete finishing, or	033510	depths can vary (fixed or loose)	123550
colored concrete finishing	033519	F2 4 - 6 lockers	105113
		F3 Mop holder	102813
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
<u>Ceiling:</u>		<u>Plumbing:</u>	
Suspended, acoustical	095113	Floor service sink	224000
<u>Walls:</u>		<u>HVAC:</u>	
Painted concrete masonry units	042000/099100	Supply/return air system	Div. 23
		Independent temperature control	230923
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
L1 Workbench		Fluorescent lighting	265100
L2 Stool		Illumination level: See Table 8600-6	
L3 Tool cabinet		Single level switching	262726
Waste receptacles		4 duplex receptacles (minimum)	262726
		Electrical receptacles for custodial	
<u>EQUIPMENT:</u>		equipment	262726
E1 Recycling bins		<u>Communications:</u>	
		T1 1 voice port and phone	271513/ 273123
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

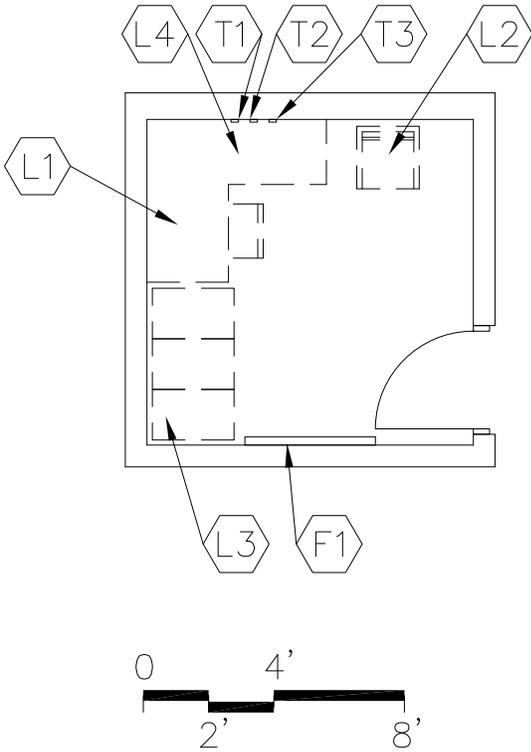
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**CUSTODIAL OFFICE
H-CU-2**

CHAPTER 6: HIGH SCHOOL

100 SF



PROGRAM ACTIVITIES:

- Office for the custodian for scheduling, ordering, and inventory

SPATIAL RELATIONSHIPS:

- Near custodial workroom

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
wall minimum STC 45
ceiling minimum CAC 35, NRC 0.70
- Optional – window with integral blind

CAPACITY: N/A
SIZE: 100 - 400 SF

NOTES:

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

**CUSTODIAL OFFICE
H-CU-2**

CHAPTER 6: HIGH SCHOOL

	Spec. Ref.#		Spec. Ref.#
<u>FINISHES¹:</u>		<u>FEATURES¹:</u>	
Flooring:		<u>Fixed Items:</u>	
Linoleum,	096516	F1 4' of tack board (optional)	101100
ET, sheet vinyl, or	096500		
resinous flooring,	096723	<u>Fire Suppression:</u>	
polished concrete finishing, or	033510	Fire suppression system	211000
colored concrete finishing	033519		
		<u>Plumbing:</u>	
Base:		N/A	
Resilient base	096500		
		<u>HVAC:</u>	
Ceiling:		Supply/return air system	Div. 23
Suspended, acoustical	095113	Independent temperature control (coupled with similarly loaded adjacent spaces)	230923
Walls:			
Painted concrete masonry units	042000/099100	<u>Electrical:</u>	
		Single level switching	262726
<u>LOOSE FURNISHINGS:</u>		Fluorescent lighting	265100
L1 Desk and chair		Illumination level: See Table 8600-6	
L2 Visitor chair		4 duplex receptacles	262726
L3 File cabinets		Double duplex receptacle adjacent to data and modem port	262726
L4 Computer desk return			
Wastebasket		<u>Communications:</u>	
		T1 Modem port for temperature controls computer	271523
		T2 1 voice port and phone	271513/ 273123
		T3 1 data port near workstation	271513
		Central sound system	275123
		Clock	275313
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		Interior window (optional)	081113/088000

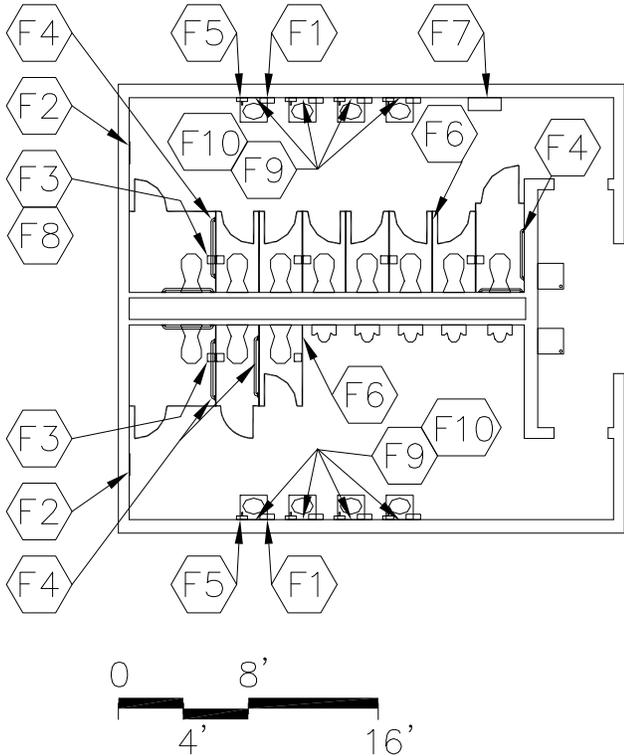
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

**LARGE GROUP RESTROOMS
H-BS-1**

CHAPTER 6: HIGH SCHOOL

Spaces to be determined by Design Professional based on the number of fixtures required.



CAPACITY: Based on size of program area
SIZE: Based on the sum of the program areas excluding building services, multiplied by 3.5%

PROGRAM ACTIVITIES

- Personal and health needs for the general public

SPATIAL RELATIONSHIPS:

- Near student dining area
- Near public use areas, such as media center and gymnasium
- Near academic core area
- Groups of restrooms should be located in several areas throughout the building

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control
 wall minimum STC 53
 ceiling minimum CAC 35, NRC 0.70

NOTES:

1. Where individual restrooms are provided in lieu of large group restrooms, refer to H-BS-10.

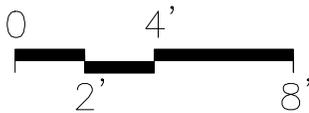
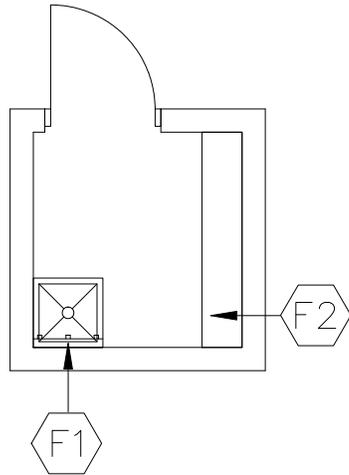
**LARGE GROUP RESTROOMS
H-BS-1**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
Ceramic mosaic tile	093000	F1 Towel dispensers	102813
Optional: porcelain tile, rubber, resinous flooring, or unbacked sheet vinyl with welded seams	093000 096723 096500	F2 24" x 60" mirror	102813
		F3 Toilet tissue holders	102813
		F4 36" and 42" grab bar	102813
		F5 Soap dispensers	102813
		F6 Toilet partitions	102113
<u>Base:</u>		F7 Sanitary product dispenser	102813
Ceramic mosaic tile base	093000	F8 Sanitary product receptacles	102813
Optional: structural glazed tile, porcelain tile base, resinous flooring, or integral vinyl base	096616 093000 096723 096500	F9 16" x 24" mirrors with shelf (optional)	102813
		F10 Shelves (optional)	123550
<u>Ceiling:</u>		<u>Fire Suppression:</u>	
Suspended, acoustical	095113	Fire suppression system	211000
Option: Abuse resistant gypsum wallboard	092116	<u>Plumbing:</u>	
		Wall-mounted water closets	224000
		Wall-mounted urinals	224000
		Wall-mounted lavatories or wash fountains	224000
<u>Walls:</u>		Wall hydrants	224000
Painted concrete masonry unit	042000/099100	Plumbing connections	224000/221116/221119
		Floor drains	Div. 22
<u>LOOSE FURNISHINGS:</u>		Drinking water cooler	224000
Waste Receptacles		<u>HVAC:</u>	
		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		Emergency lighting	265100
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Optional: electric hand dryers



PROGRAM ACTIVITIES:

- Space for storage of custodial supplies throughout the building

SPATIAL RELATIONSHIPS:

- Near large group restrooms

ENVIRONMENTAL CONSIDERATIONS:

CAPACITY:
SIZE:

N/A
50 SF

NOTES:

**CUSTODIAL CLOSET
H-BS-2**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Sealed concrete	033000	F1 Mop holder	102813
		F2 Fixed or loose shelving (optional)	123550
Base:		<u>Fire Suppression:</u>	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	Service sink or floor drain sink	224000
Walls:		Plumbing connections	224000/221116/221119
Painted concrete masonry units	042000/099100	<u>HVAC:</u>	
		Exhaust air system	Div. 23
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
Shelving (optional)		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

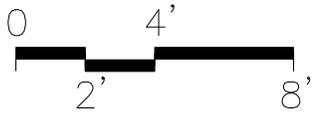
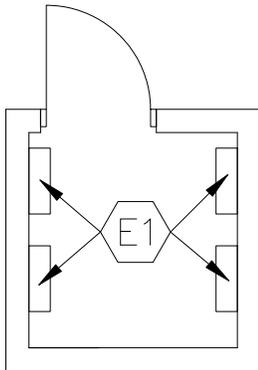
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**ELECTRICAL CLOSET
H-BS-3**

CHAPTER 6: HIGH SCHOOL

**Space to be determined by
Design Professional.**



CAPACITY:
SIZE:

N/A
50 SF

PROGRAM ACTIVITIES:

- Space for electrical wiring and panels

SPATIAL RELATIONSHIPS:

N/A

ENVIRONMENTAL CONSIDERATIONS:

N/A

NOTES:

**ELECTRICAL CLOSET
H-BS-3**

CHAPTER 6: HIGH SCHOOL

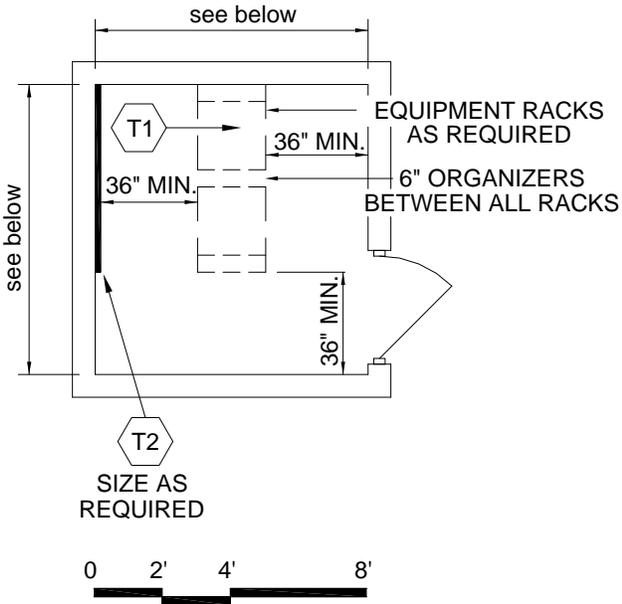
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Sealed concrete	033000	N/A	
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure	---	N/A	
Walls:		<u>HVAC:</u>	
Unpainted concrete masonry units	042000	To be determined by Design Professional	
<u>LOOSE FURNISHINGS:</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		1 duplex receptacle	262726
		E1 Electrical switchboard	262413/262416
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

**TELECOMMUNICATIONS ROOM
H-BS-4**

CHAPTER 6: HIGH SCHOOL



PROGRAM ACTIVITIES:

- Space for technology needs

SPATIAL RELATIONSHIPS:

N/A

ENVIRONMENTAL CONSIDERATIONS:

CAPACITY:

N/A

SIZE:

**TR Serving Zone > 188 ports:
minimum 10 ft. x 12 ft.**

**TR Serving Zone of 96-188 ports:
minimum 8 ft. x 10 ft.**

**TR Serving Zone of < 96 ports:
minimum 8 ft. x 8 ft.**

NOTES:

1. This is an example of a telecommunications room. The equipment and layout will vary from school district to school district.
2. **Verify and coordinate TR quantity, size and location with technology designer during programming phase.**
3. **Multiple TR's may be required.**

**TELECOMMUNICATIONS ROOM
H-BS-4**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Sealed concrete,	033000	N/A	
polished concrete finishing, or	033510		
colored concrete finishing	033519	<u>Fire Suppression:</u>	
		Fire suppression system	211000
Base:		<u>Plumbing:</u>	
No base		N/A	
Ceiling:		<u>HVAC:</u>	
Exposed structure	---	Cooling and Exhaust air system	Div. 23
Walls:		<u>Electrical:</u>	
Unpainted concrete masonry units	042000	Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		1 duplex receptacle	262726
		Receptacles for data equipment	262726
		Telecommunications Grounding	270526/260526
		Standby power	263213/263600
<u>LOOSE FURNISHINGS</u>		<u>Communications:</u>	
N/A		T1 Technology equipment	
		Central sound system	275123
		Telephone Wiring	271313/271513
		Integrated Telephone System	273123
		Video Wiring	271333/271533/271543
		Digital on Demand Delivery System	274125
		Local Area Network Wiring	271513/271323
		Local Area Network Electronics	272100/ 273123
		Grounding & Infrastructure Equipment	270526/271100
		T2 1/4" plywood back board	271313
		<u>Electronic Safety and Security:</u>	
		Security System	281300/281600/282300
		<u>Miscellaneous:</u>	
		N/A	

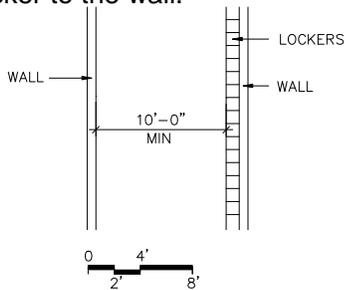
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.

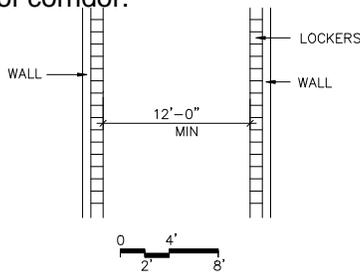
**CORRIDORS
H-BS-5**

CHAPTER 6: HIGH SCHOOL

- Corridors shall be a minimum of 8 feet wide if no lockers are located in the corridor.
- Corridors shall be a minimum of 10 feet wide if lockers are located on one side of the corridor. The corridor width is from the face of the locker to the wall.



- Corridors shall be a minimum of 12 feet wide if lockers are located on each side of the corridor. The corridor width is from the face of the locker to the face of locker on opposite side of corridor.



- Instructional and activity areas shall be accessible by corridors without passing through another instructional or activity area.
- The corridors are to meet the existing requirements of applicable codes
- Stairs, ramps, and elevators are included under the corridor category.
- It is recommended that stairs in multi-story buildings not be enclosed unless required by code.

CAPACITY: Based on size of program area
 SIZE: Based on the sum of the program areas excluding building services, multiplied by 20%

PROGRAM ACTIVITIES:

- Circulation space

SPATIAL RELATIONSHIPS:

N/A

ENVIRONMENTAL CONSIDERATIONS:

VESTIBULES

- Area of vestibules to be included within area allotted for corridors.
- Width of vestibules can be no less than minimum width of adjacent corridor.
- Minimum corridor length to be 8'-0" between doors.
- Vestibules are to be provided at major entrances/exits and may be eliminated at minor entrances/exits as determined by the Design Professional.
- Provide automatic door operator on one leaf of main entrance/exit door and related vestibule door.
- Provide a five-step or fifteen foot walk off mat extending from main outside entry doors into the building and as wide as the entry doors.
- Option – entrance floor grilles. See Chapter 9, Section 124816.
- **Lockers are not part of the construction factor, but are a part of the circulation/corridor factor.**

NOTES:

**CORRIDORS
H-BS-5**
CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring²:</u>		<u>Fixed Items:</u>	
Linoleum, ET, sheet vinyl,	096516	Corridor lockers	105113
Carpet, carpet tile , rubber,	096500	Fire extinguishers and cabinets	104400
polished concrete finishing,	096816	Recessed vinyl floor mats or	
or colored concrete finishing	096813	surface mats	124813
	033510	Tack board or tackable wall surface	101100
	033519		
<u>Base:</u>		<u>Fire Suppression:</u>	
Resilient base	096500	N/A	
Optional: structural glazed tile	042000	<u>Plumbing:</u>	
<u>Ceiling:</u>		Drinking water coolers	224000
Suspended, acoustical	095113	<u>HVAC:</u>	
Option in vestibules: Abuse resistant		Supply/return air system	Div. 23
gypsum wallboard	092116	Temperature control from	
<u>Walls:</u>		adjacent instructional spaces	230923
Painted concrete masonry units		<u>Electrical:</u>	
	042000/099100	Dual level switching	262726
<u>LOOSE FURNISHINGS:</u>		Fluorescent lighting	265100
Recycling bins and waste receptacles		illumination level: See Table 8600-6	
Fixed or loose benches		Duplex receptacles	262726
		Double duplex receptacle adjacent to	
		each video port	262726
		Means of egress lighting per code	265100
		Emergency lighting	265100
NOTE: At entries adjacent to dining/ commons area, match dining/commons flooring.		<u>Communications:</u>	
		Video ports	271533/271543
		Data ports	271523
		Pay phone terminals	271513/273113
		Central sound system	275123
		Clocks	275313
		Wireless access points	
			271523/272100/272133
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		Security System	281300/281600/282300
		<u>Miscellaneous:</u>	
		Display cases and Directory	

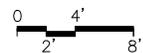
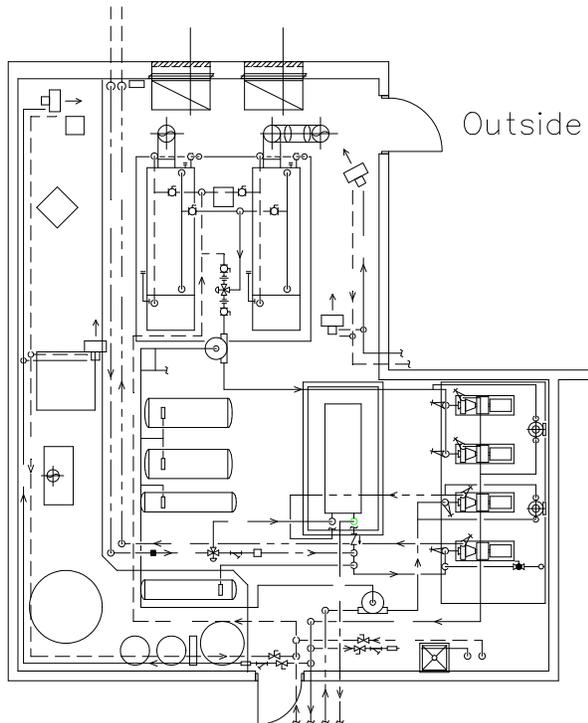
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Linoleum, VET, or sheet vinyl is to be used in vestibules, stairwells, and elsewhere as appropriate. Porcelain tile is optional in lobbies, with resilient or structural glazed tile base.

MECHANICAL/ELECTRICAL SPACE/DECKS
H-BS-6

CHAPTER 6: HIGH SCHOOL

**Space to be determined by
Design Professional.**



CAPACITY: Based on size of program area
SIZE: Based on the sum of the program areas
 excluding building services, multiplied by 6.9%

PROGRAM ACTIVITIES:

- Space for mechanical and electrical equipment

SPATIAL RELATIONSHIPS:

- Accessible for maintenance and repair
- Access to outside
- Isolate from main area of building
- Near loading/receiving area
- Near custodial area

ENVIRONMENTAL CONSIDERATIONS:

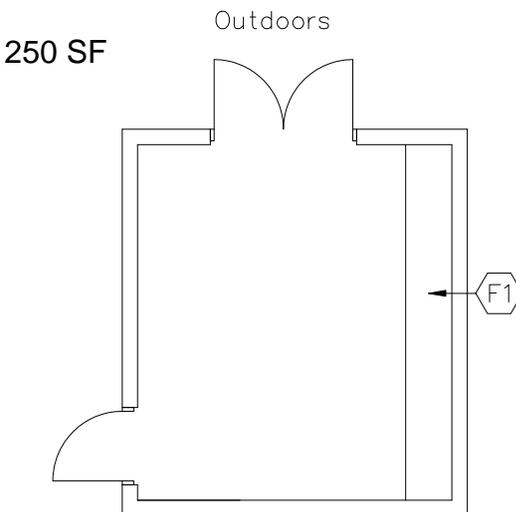
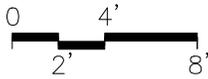
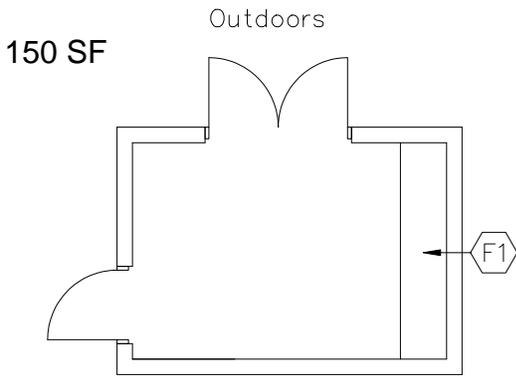
- Environmental sound control –
 wall minimum STC 60
 ceiling minimum CAC 35, NRC 0.70

NOTES:

1. This is an example of a mechanical room. The equipment and layout will vary depending upon the heating, ventilating, and air conditioning system used.
2. A penthouse is considered a mechanical room.

**STORAGE AREA
H-BS-7**

CHAPTER 6: HIGH SCHOOL



CAPACITY: N/A
 SIZE: 150 - 500 SF

PROGRAM ACTIVITIES:

- Space for storage of outdoor custodial equipment

SPATIAL RELATIONSHIPS:

- Near custodial office
- Near custodial workroom
- Direct access to outdoors

ENVIRONMENTAL CONSIDERATIONS:

N/A

NOTES:

**STORAGE AREA
H-BS-7**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items²:</u>	
Sealed concrete	033000	F1 8'-20' of open shelving , depths may vary (fixed or loose)	123550
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure	---	N/A	
Walls:		<u>HVAC:</u>	
Unpainted concrete masonry units	042000	Exhaust air system	Div. 23
<u>LOOSE FURNISHINGS</u>		Supplemental heat as required	Div. 23
N/A		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		Duplex receptacles	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

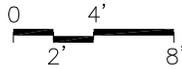
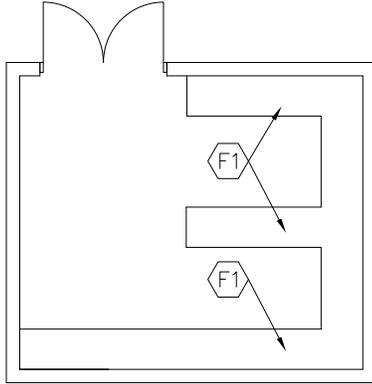
1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**CENTRAL STORAGE AREA
H-BS-8**

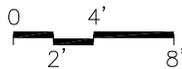
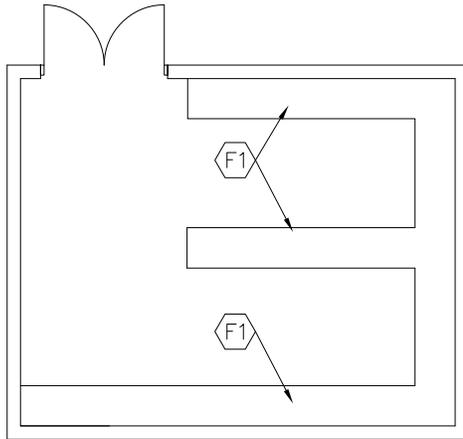
CHAPTER 6: HIGH SCHOOL

Space to be determined by Design Professional.

250 SF



400 SF



**CAPACITY:
SIZE:**

**N/A
250 - 800 SF**

PROGRAM ACTIVITIES:

- Storage for paper products, utensils, supplies, etc., to be used throughout the entire building

SPATIAL RELATIONSHIPS:

- Near loading/receiving area
- Direct access to building circulation

ENVIRONMENTAL CONSIDERATIONS:

NOTES:

**CENTRAL STORAGE AREA
H-BS-8**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES</u> ¹ :	Spec. Ref.#	<u>FEATURES</u> ¹ :	Spec. Ref.#
Flooring:		<u>Fixed Items</u> ² :	
Sealed concrete	033000	F1 26' - 32' of open shelving (total), depths may vary (fixed or loose)	123550
Base:		Option: mobile storage shelving	105626
No base		<u>Fire Suppression:</u>	
Ceiling:		Fire suppression system	211000
Exposed structure	---	<u>Plumbing:</u>	
Walls:		N/A	
Unpainted concrete masonry units	042000	<u>HVAC:</u>	
<u>LOOSE FURNISHINGS:</u>		Exhaust air system	Div. 23
N/A		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		Duplex receptacles	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

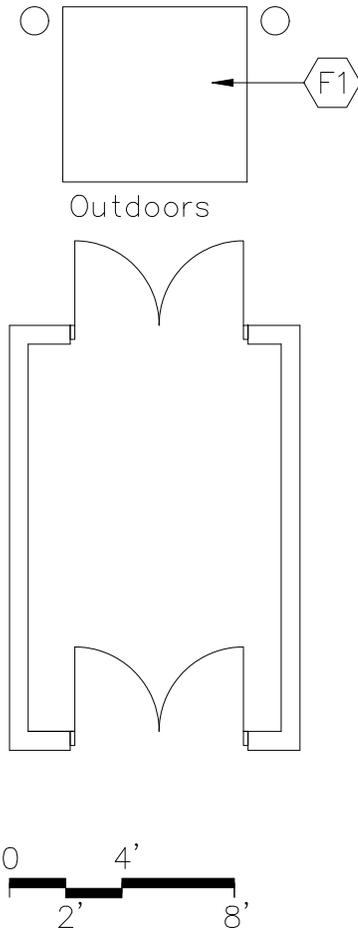
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**LOADING/RECEIVING AREA
H-BS-9**

CHAPTER 6: HIGH SCHOOL

Recycling space to be determined by Design Professional.



CAPACITY:
SIZE:

N/A
120 SF

PROGRAM ACTIVITIES:

- Delivery of materials and goods to be used throughout the building

SPATIAL RELATIONSHIPS:

- Near food service spaces
- Near central storage area
- Near mechanical room
- Adjacent to loading dock

ENVIRONMENTAL CONSIDERATIONS:
N/A

MISCELLANEOUS:

- Refer to Chapter 3, Section 3201, for site vehicular circulation requirements

NOTES:

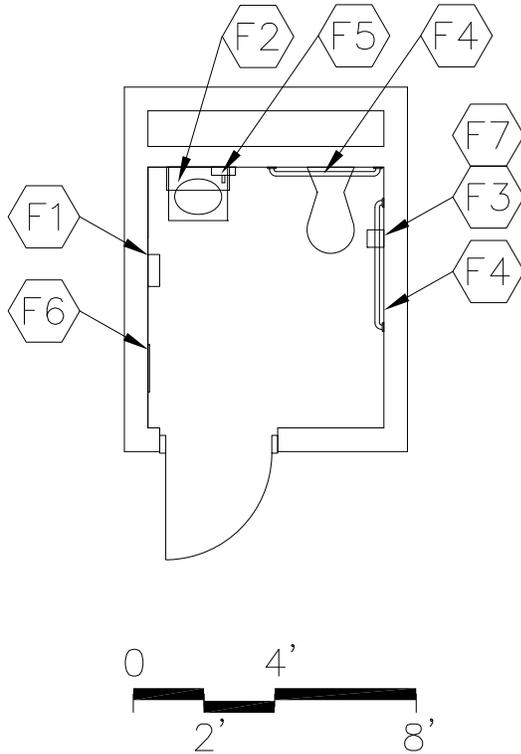
LOADING/RECEIVING AREA
H-BS-9

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Sealed concrete	033000	F1 Loading dock leveler and dock bumpers	111300
Base:		<u>Fire Suppression:</u>	
No base		Fire suppression system	211000
Ceiling:		<u>Plumbing:</u>	
Exposed structure		N/A	
Walls:		<u>HVAC:</u>	
Epoxy-painted concrete masonry units	042000 / 099100	Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		Duplex receptacles	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.



PROGRAM ACTIVITIES:

- Personal and health needs for the building occupants

SPATIAL RELATIONSHIPS:

- Near academic area

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control -
 wall minimum STC 48
 ceiling minimum CAC 35, NRC 0.70
- Moisture- and stain-resistant finishes

CAPACITY: 1 person
 SIZE: 60 SF
 ANCILLARY SPACES:

NOTES:

1. Separate restrooms must be provided for male and female students

**RESTROOM
H-BS-10**

CHAPTER 6: HIGH SCHOOL

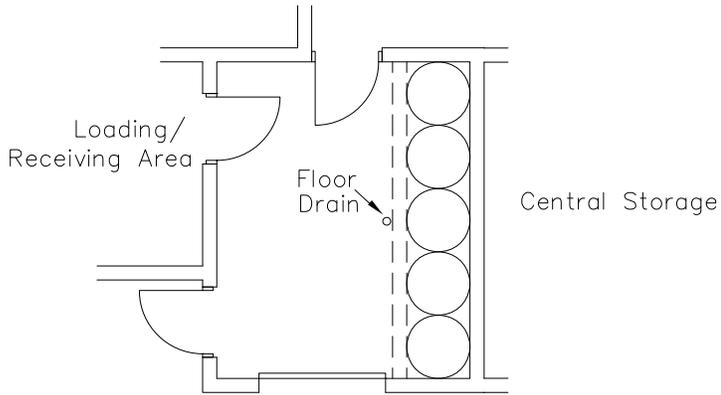
<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
<u>Flooring:</u>		<u>Fixed Items:</u>	
ET, or sheet vinyl	096500	F1 Towel dispenser	102813
Optional: quarry tile, or resinous flooring	093000 096723	F2 Mirror with shelf above sink(optional)	102813
		F3 Toilet tissue holder	102813
		F4 36" and 42" grab bar	102813
<u>Base:</u>		F5 Soap dispenser	102813
Resilient base	096500	F6 Sanitary product dispenser	102813
Optional: quarry tile, resinous flooring, or integral vinyl cove base	093000 096723	F7 Sanitary product receptacle	102813
		<u>Fire Suppression:</u>	
<u>Ceiling:</u>		Fire suppression system	211000
Suspended, acoustical	095113	<u>Plumbing:</u>	
<u>Walls:</u>		Wall-mounted water closet	224000
Painted concrete masonry units	042000/099100	Wall-mounted lavatory	224000
		Plumbing connections	224000/221116/221119
<u>LOOSE FURNISHINGS:</u>		<u>HVAC:</u>	
Wastebasket		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		<u>Electrical:</u>	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-5	
		1 duplex receptacle	262726
		<u>Communications:</u>	
		Central sound system	275123
		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

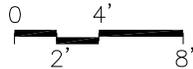
1. Finishes/Features: Refer to Chapter 9 for specification references.
2. F6 and F7 required for female restroom only.

**RECYCLING ROOM
H-BS-11**

CHAPTER 6: HIGH SCHOOL



Direct access to loading dock, if possible



CAPACITY: N/A
 SIZE: 80 - 160 SF

PROGRAM ACTIVITIES:

- Provide recyclable collection for paper, cardboard, glass, plastics and metals.

SPATIAL RELATIONSHIPS:

- Near food service spaces
- Near central storage area
- Near mechanical room
- Adjacent to loading dock

ENVIRONMENTAL CONSIDERATIONS:

N/A

MISCELLANEOUS:

- Refer to Chapter 3, Section 3201, for site vehicular circulation requirements

NOTES:

1. Contact local collection agency to see if co-mingling of materials is permitted. Design team should meet the LEED intent when designing the recycling area.

**RECYCLING ROOM
H-BS-11**

CHAPTER 6: HIGH SCHOOL

<u>FINISHES¹:</u>	Spec. Ref.#	<u>FEATURES¹:</u>	Spec. Ref.#
Flooring:		<u>Fixed Items:</u>	
Sealed concrete	033000	<u>Fire Suppression:</u>	
Base:		Fire suppression system	211000
No base		<u>Plumbing:</u>	
Ceiling:		Floor drain	
Exposed structure		<u>HVAC:</u>	
Walls:		Exhaust air system	Div. 23
Epoxy-painted concrete masonry units	042000 / 099100	Supplemental heat as required	Div. 23
<u>LOOSE FURNISHINGS</u>		<u>Electrical:</u>	
N/A		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	
		Duplex receptacles	262726
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.