

| | |
|-------------------------------------|---|
| 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 | <i>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)</i> |
| 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. 5% of floor area for natural light openings is a minimum and is considered to be the masonry or rough opening. |
| 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. |

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

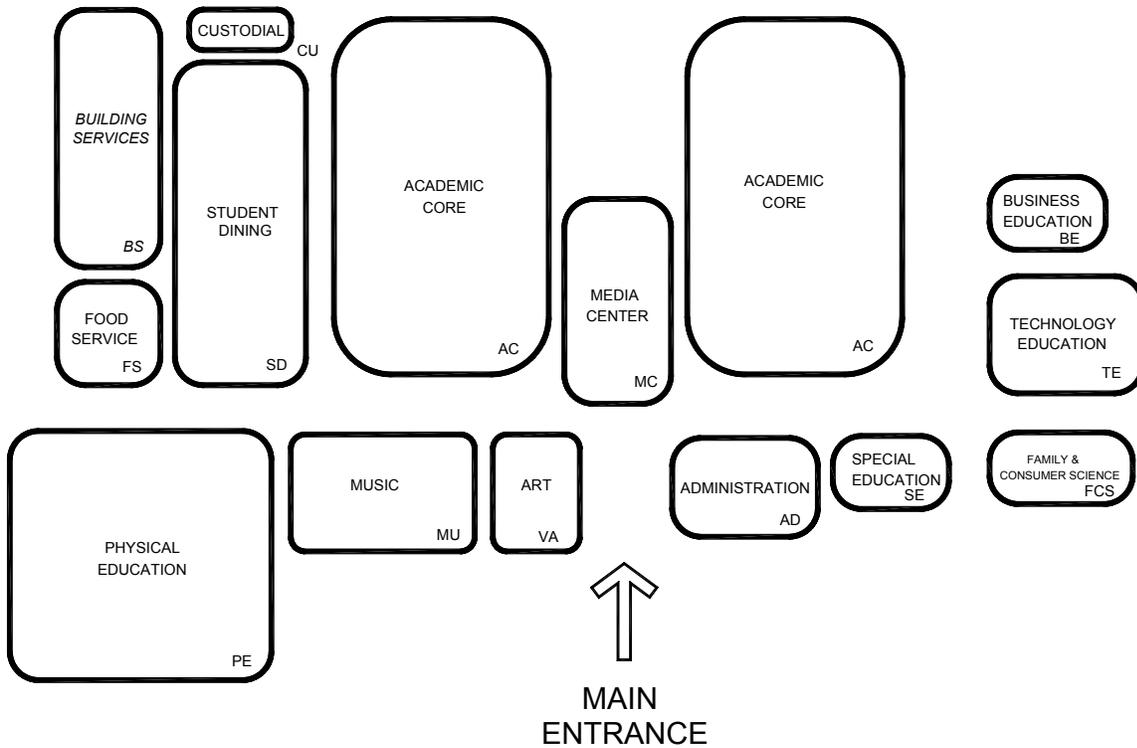
Square foot area given for the room is the necessary area. This area is given in net square feet – defined as the area within the walls of the room.

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.***

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.



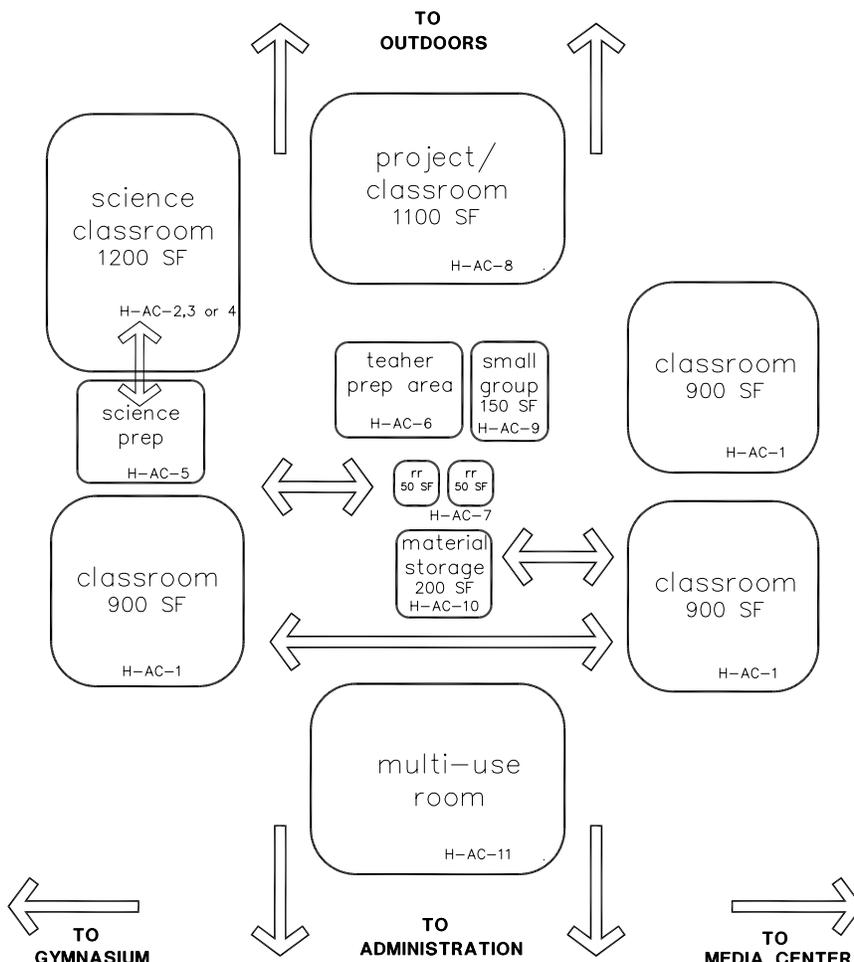
NOTES:

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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**ACADEMIC CORE SPACES
H-AC**

CHAPTER 6: HIGH SCHOOL



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.

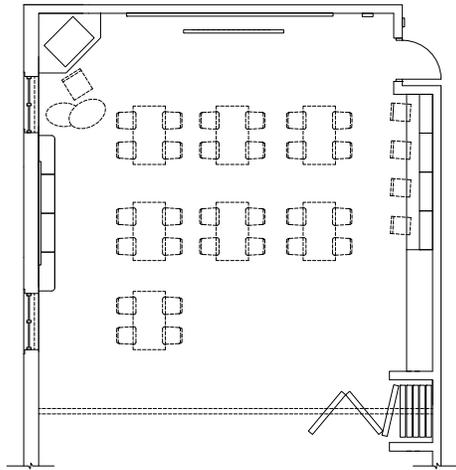
Following are the Academic Core space plates:

- 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

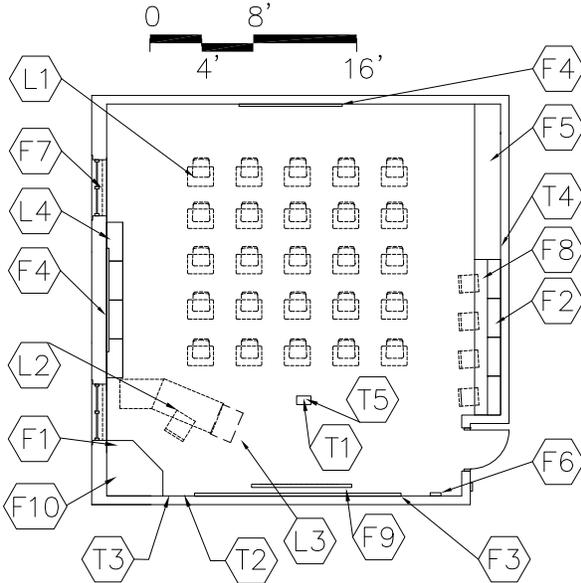
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HIGH SCHOOL CLASSROOM H-AC-1

CHAPTER 6: HIGH SCHOOL



CLASSROOM WITH OPTIONAL FOLDING WALL



TYPICAL CLASSROOM

CAPACITY:
SIZE:

25 students
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:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**

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.

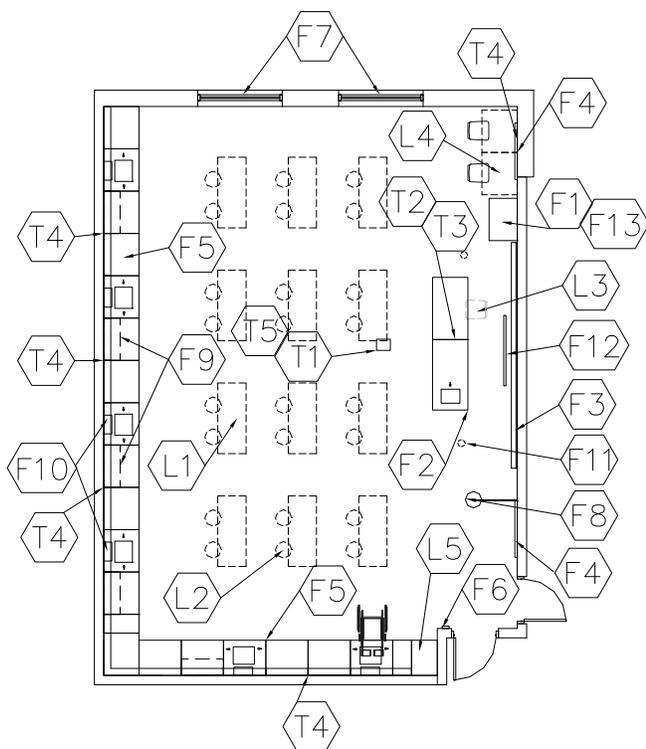
**HIGH SCHOOL CLASSROOM
H-AC-1**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|------------------|--|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Carpet | 096816 | F1 3' of tall wardrobe with file drawers | 123550 |
| Optional: Vinyl composition tile, linoleum, <i>ET</i> , sheet vinyl, or rubber | 096516 096500 | F2 Computer work surface (could be loose) | 123550 |
| | | F3 10'-16' of chalk/marker board | 101100 |
| | | F4 10'-16' of tack board | 101100 |
| <u>Base:</u> | | F5 8'-12' of base & wall cabinets | 123550 |
| Resilient base | 096500 | F6 Pencil sharpener support | 062000 |
| | | F7 Windows with integral blinds | 085113 |
| <u>Ceiling:</u> | | F8 About 10' of wall cabinets | 123550 |
| Suspended, acoustical | 095113 | F9 Projection screen (optional) | 115213 |
| | | F10 Technology support casework | 123550 |
| <u>Walls:</u> | | <u>Fire Suppression:</u> | |
| Painted concrete masonry units | 042000/099100 | Fire suppression system | 211000 |
| | | <u>Plumbing:</u> | |
| <u>LOOSE FURNISHINGS:</u> | | N/A | |
| L1 Student desks and chairs | | <u>HVAC:</u> | |
| L2 Teacher desk or workstation/computer support and chair | | Supply/return air system | Div. 23 |
| L3 File cabinet | | Independent temperature control | 230923 |
| L4 9' of low bookcases (fixed or mobile) | | <u>Electrical:</u> | |
| Wastebasket | | Fluorescent lighting: | 265100 |
| Pencil sharpener | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | T3 1 data port near teacher workstation | 271513 |
| | | T4 4 data ports (minimum) for student use | 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> | |
| | | M1 Operable partitions between classrooms are optional | 102226 |

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 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:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -
 wall minimum STC 50
 ceiling minimum CAC 35, NRC **0.70**
- 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

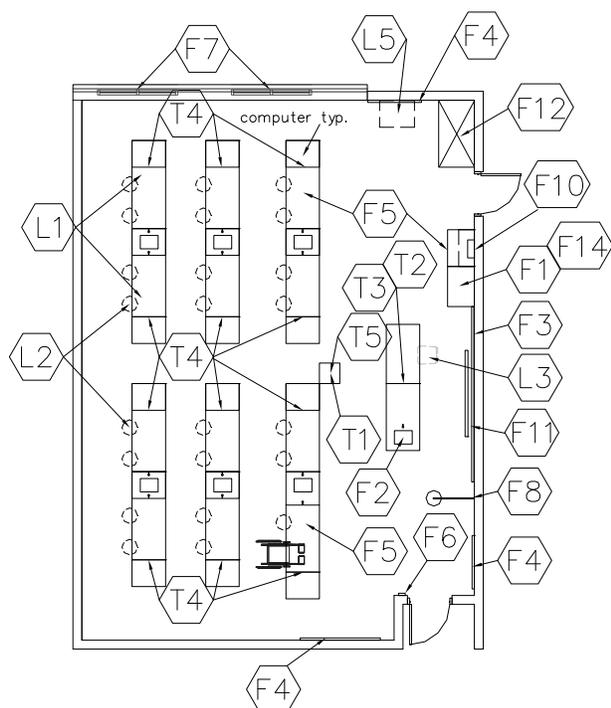
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|--------------------------|---|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Vinyl composition tile, linoleum, rubber, <i>ET</i> , sheet vinyl, | 096500 | F1 3' of tall wardrobe with file drawers | 123553 |
| polished concrete finishing, or colored concrete finishing | 033510 033519 | F2 Demonstration table/teacher desk | 123553 |
| | | F3 10'-16' of chalk/marker board | 101100 |
| | | F4 10'-16' of tack board | 101100 |
| | | F5 40'-60' of lab casework with sinks | 123553 |
| | | F6 Pencil sharpener support | 062000 |
| <u>Base:</u> | | F7 Windows with integral blinds | 085113 |
| Resilient base | 096500 | F8 Emergency shower/eyewash | 224000 |
| | | F9 18'-24' of wall cabinets | 123553 |
| <u>Ceiling:</u> | | F10 Towel dispensers (optional) | 102813 |
| Suspended, acoustical | 095113 | F11 2 eye hooks for demonstrations(optional) | 055000 |
| | | F12 Projection screen (optional) | 115213 |
| | | F13 Technology support casework | 123553 |
| <u>Walls:</u> | | <u>Fire Suppression:</u> | |
| Painted concrete masonry units | 042000/099100 | Fire suppression system | 211000 |
| | | <u>Plumbing:</u> | |
| | | Plumbing connections | 224000/221116/221119 |
| <u>LOOSE FURNISHINGS:</u> | | Emergency shower/eyewash connections | 224000 |
| L1 Student work tables | | Gas connections (optional) | 226313 |
| L2 Student stools/chairs | | Master shutoff for gas | 226313 |
| L3 Teacher chair or stool | | Compressed air connections(optional) | 221500 |
| L4 Computer workstation furniture | | <u>HVAC:</u> | |
| L5 File cabinet | | Supply/return air system | Div. 23 |
| Wastebasket | | Independent temperature control | 230923 |
| Pencil sharpener | | Manual exhaust | Div. 23 |
| | | <u>Electrical:</u> | |
| L4 could be fixed casework. | | Fluorescent lighting: | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | T3 1 data port at demonstration table | 271513 |
| | | T4 4 data ports (minimum) for student use | 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.
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



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:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

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

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

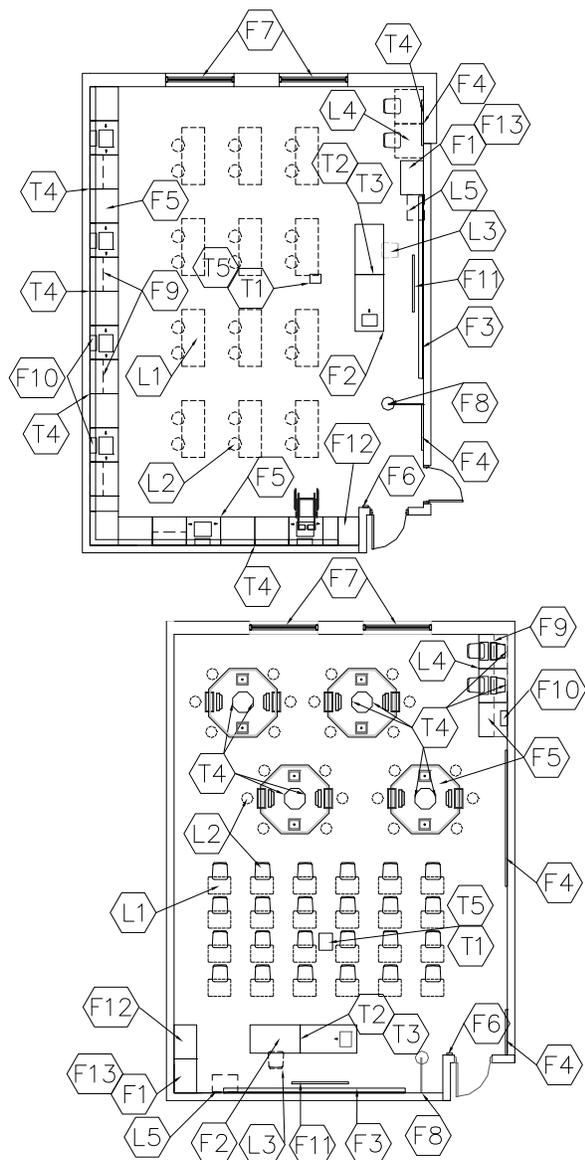
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|--|---|--|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Vinyl sheet flooring, linoleum, rubber, <i>ET</i> , vinyl composition tile, polished concrete finishing, or colored concrete finishing | 096500 096516 033510 033519 | F1 3' of tall wardrobe with file drawers F2 Demonstration table/teacher desk F3 10'-16' of chalk/marker board F4 10'-16' of tack board F5 40'-60' lab casework with sinks F6 Pencil sharpener support F7 Windows with integral blinds F8 Emergency shower/eyewash F9 18'-24' of wall cabinets (optional) F10 Towel dispensers (optional) F11 Projection screen (optional) F12 Fume hood F13 Tall cabinet for microscopes(optional) F14 Technology support casework | 123553 123553 101100 101100 123553 062000 085113 224000 123553 102813 115213 115313 123550 123550 |
| <u>Base:</u> | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | Plumbing connections 224000/221116/221119 Emergency shower/eyewash connections Master shut-off for gas Gas connections Compressed air connections (optional) Acid waste piping Neutralization tank | 224000 224000 226313 226313 221500 221316 221323 |
| <u>Walls:</u> | | <u>HVAC:</u> | |
| Painted concrete masonry units 042000/099100 | | Supply/return air system Independent temp control Manual exhaust Exhaust for fume hood | Div. 23 230923 Div. 23 Div. 23 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Electrical:</u> | |
| L1 Student work tables | | Fluorescent lighting: Illumination level: See Table 8600-4 Multilevel switching Duplex receptacles at perimeter workstations and teaching wall Double duplex receptacle adjacent to each data and video port Emergency lighting Means of egress lighting per code | 265100 262726 262726 262726 265100 265100 |
| L2 Student stools/chairs | | <u>Communications:</u> | |
| L3 Teacher chair or stool | | T1 1 video port T2 1 voice port and phone T3 1 data port at demonstration table T4 4 data ports (minimum) for student use Central sound system Clock Sound reinforcement system | 271533/271543 271513/273113 271513 271513 275123 275313 275127 |
| L4 Computer workstation furniture | | T5 Overhead projector | 274119 |
| L5 File cabinet | | <u>Electronic Safety and Security:</u> | |
| Wastebasket | | Life safety devices per code | 283111 |
| Pencil sharpener | | | |
| L4 Could be fixed casework | | | |

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:

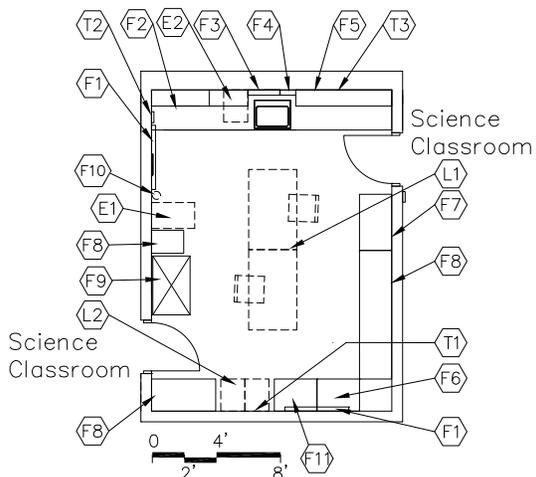
- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control - wall minimum STC 50 ceiling minimum CAC 35, NRC **0.70**
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

NOTES:

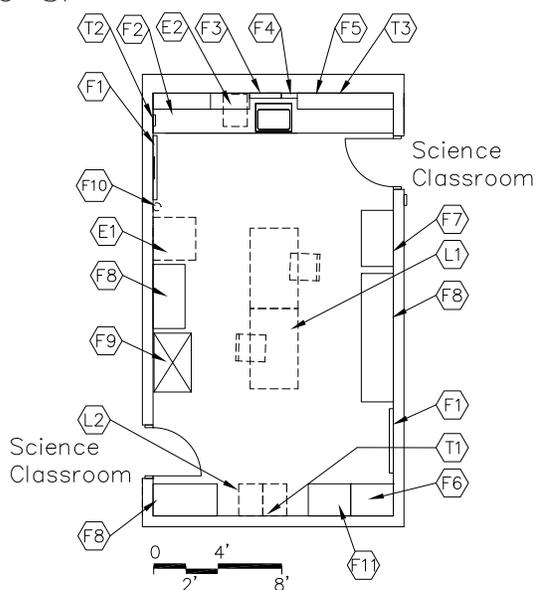
1. Loose furnishings shown represent two of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.
4. 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.

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:

- Uniform lighting
- 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> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|--|--|--|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Vinyl sheet flooring, linoleum, rubber, ET , or vinyl composition tile, polished concrete finishing, or colored concrete finishing | 096516 096500 033510 033519 | F1 4' of tack board F2 8'-15' of lab station with sink F3 Drying rack with pegs (optional) F4 Towel dispenser (optional) F5 8'-15' of wall cabinets F6 Storage cabinets for acids, Ventilated (optional) | 101100 123553 123553 102813 123553 123553 |
| <u>Base:</u> | | F7 Storage cabinets for flammables(optional) F8 8'-16' of tall storage cabinets F9 Fume hood (optional) F10 Emergency eyewash (if applicable) F11 Chemical storage cabinets with acid resistant lining | 123553 123553 123553 224000 123553 |
| Resilient base | 096500 | | |
| <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 | Plumbing connections | 224000/221116/221119 |
| <u>LOOSE FURNISHINGS:</u> | | Acid waste system | Div. 23 |
| L1 Work tables with chemical-resistant top | | Gas connections | 226313 |
| L2 2 file cabinets | | Compressed air connections(optional) | 221500 |
| Wastebasket | | Access to neutralization tank | 221323 |
| <u>EQUIPMENT</u> | | <u>HVAC:</u> | |
| E1 Refrigerator/freezer (optional) | | Supply/return air system | Div. 23 |
| E2 Dishwasher (optional) | | 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 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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> | |
| | | Fume hood through wall if adjacent to chemistry | |
| Note: Eliminate 24 hour exhaust if recommended by cabinet manufacturer. Make room 24 hour exhaust if no cabinet exhaust. | | | |

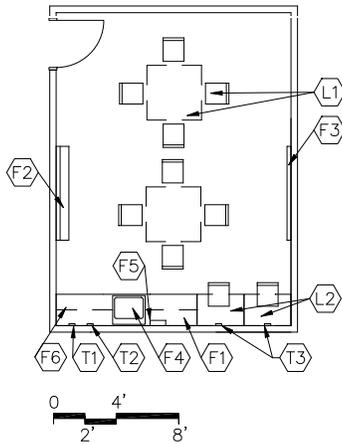
NOTES:

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

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

CHAPTER 6: HIGH SCHOOL

300 SF



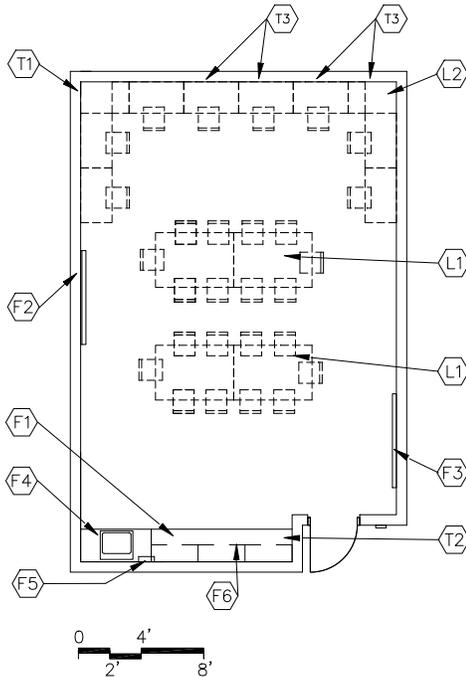
PROGRAM ACTIVITIES:

- 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:

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

CAPACITY: 8 - 28 teachers
SIZE: 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

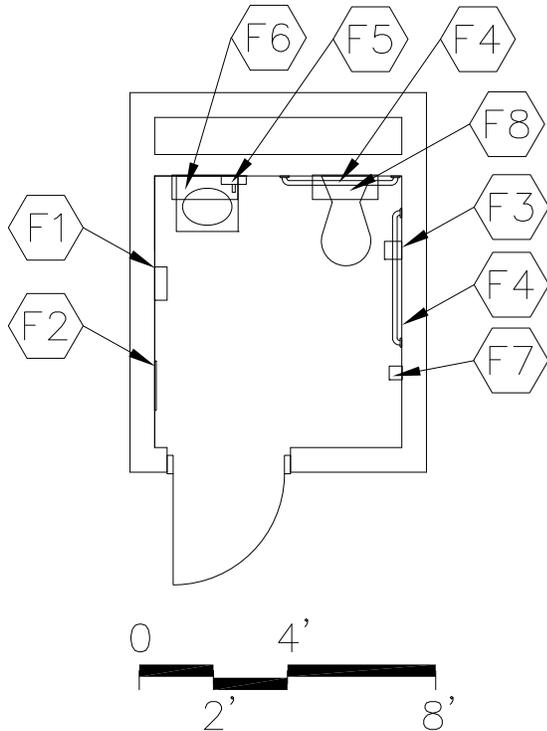
**TEACHER PREP AREA/WORKROOM
H-AC-6**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|----------------------------|--|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items²:</u> | |
| Carpet, VCT, ET , linoleum, vinyl sheet, or rubber | 096816 096500 096516 | F1 6' - 9' of base cabinets (could be bookcases) | 123550 |
| | | F2 6'-8' of chalk/marker board | 101100 |
| | | F3 4'-8' of tack board | 101100 |
| <u>Base:</u> | | F4 3' sink base cabinet | 123550 |
| Resilient base | 096500 | F5 Towel dispenser (optional) | 102813 |
| | | F6 6' – 9' of wall cabinets | 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. | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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.



CAPACITY:
SIZE:

1 person
50 SF

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:

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

NOTES:

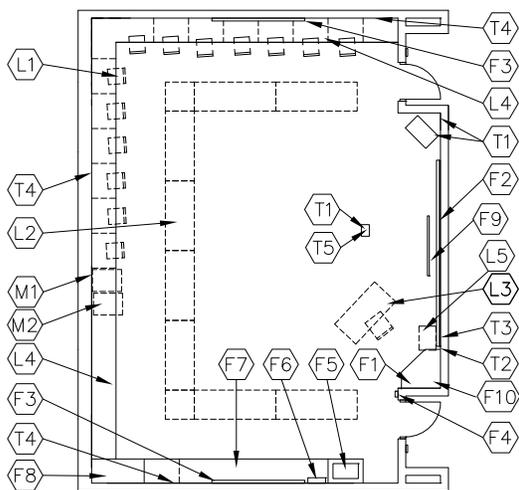
**INDIVIDUAL RESTROOM
H-AC-7**

CHAPTER 6: HIGH SCHOOL

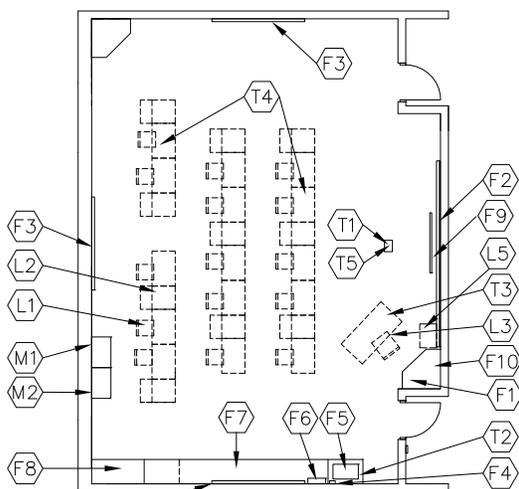
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|------------------|--|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Linoleum, rubber, ET , or sheet vinyl | 096516 096500 | F1 Towel dispenser | 102813 102813 |
| Optional: Ceramic mosaic tile, porcelain 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 |
| <u>Base:</u> | | <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 | | |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | Wall-mounted water closet | 224000 |
| | | Wall-mounted lavatory | 224000 |
| <u>Walls:</u> | | Plumbing connections | 224000/221116/221119 |
| Painted concrete masonry units | 042000/099100 | | |
| <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 8600-4 | |
| | | 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:

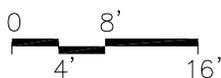
1. Finishes/Features: Refer to Chapter 9 for specification references.



PERIMETER WORKSTATION LAYOUT



FREE-STANDING WORKSTATIONS



CAPACITY:
SIZE:

25 students
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:

- Uniform lighting with 80% visual comfort probability level
- Environmental sound control - wall minimum STC 50 ceiling minimum CAC 35, NRC **0.70**
- Flexibility of space

NOTES:

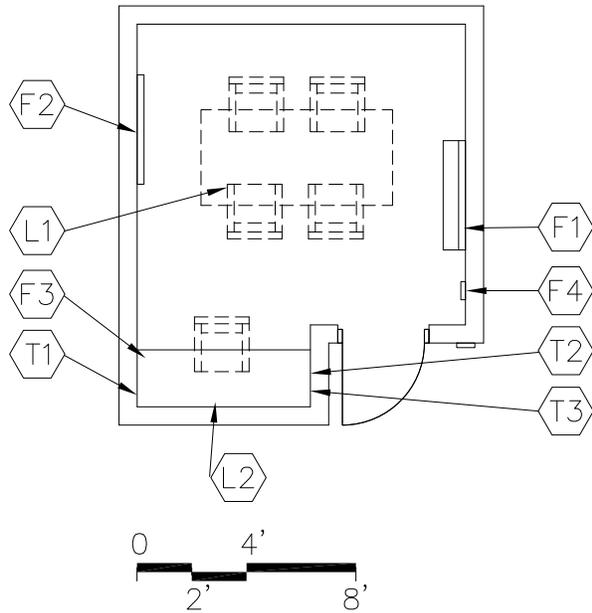
1. Loose furnishings shown represent two of many possible arrangements.
2. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.

**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 | 096816 | F1 3' of tall wardrobe with file drawers | 123550 |
| Optional: vinyl composition tile, ET , sheet vinyl, linoleum, or rubber | 096500 096516 | F2 8'-16' of chalk/marker board | 101100 |
| | | F3 8'-16' of tackboard | 101100 |
| | | F4 Pencil sharpener support | 062000 |
| | | F5 3' sink base cabinet (optional) | 123550 |
| <u>Base:</u> | | F6 Towel dispenser (optional) | 102813 |
| Resilient base | 096500 | F7 4'-12' of base cabinets | 123550 |
| | | F8 5'-8' of tall storage cabinets (optional) | 123550 |
| <u>Ceiling:</u> | | F9 Projection screen (optional) | 115213 |
| Suspended, acoustical | 095113 | F10 Technology support casework | 123550 |
| <u>Walls:</u> | | <u>Fire Suppression:</u> | |
| Painted concrete masonry units | 042000/099100 | Fire suppression system | 211000 |
| | | <u>Plumbing:</u> | |
| <u>LOOSE FURNISHINGS:</u> | | N/A | |
| L1 Student chairs | | <u>HVAC:</u> | |
| L2 Work tables | | Supply/return air system | Div. 23 |
| L3 Teacher desk or workstation/computer support and chair | | Independent temperature control | 230923 |
| L4 Computer workstation furniture | | <u>Electrical:</u> | |
| L5 File cabinet | | Fluorescent lighting: Parabolic lenses | 265100 |
| Wastebasket | | Illumination level: See Table 8600-4 | |
| Pencil sharpener | | Multilevel switching | 262726 |
| | | 4 duplex receptacles | 262726 |
| L4 could be fixed casework. | | 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 | 271513/273113 |
| | | 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>Miscellaneous:</u> | |
| | | 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.



CAPACITY:
SIZE:

4 - 5 students
150 SF

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Near academic core classrooms

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control -
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**

NOTES:

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

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

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|--|------------------|---|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Carpet | 096816 | F1 4'-6' of chalk/marker board | 101100 |
| Optional: vinyl composition tile, ET , sheet vinyl, linoleum, or rubber | 096500 096516 | F2 4' of tack board | 101100 |
| | | F3 4'-6' of work surface (optional) | 123550 |
| | | F4 Pencil sharpener support | 062000 |
| <u>Base:</u> | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | N/A | |
| <u>Walls:</u> | | <u>HVAC:</u> | |
| Painted concrete masonry units | 042000/099100 | Supply/return air system | Div. 23 |
| | | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Electrical:</u> | |
| L1 Work tables and chairs | | Fluorescent lighting: | 265100 |
| L2 Computer workstation furniture | | Illumination level: See Table 8600-4 | |
| Wastebasket | | 4 duplex receptacles | 262726 |
| Pencil sharpener | | 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> | |
| | | Interior window(optional) | 081113/088000 |

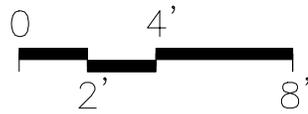
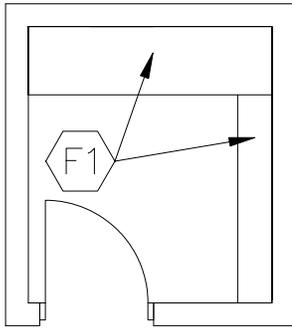
NOTES:

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

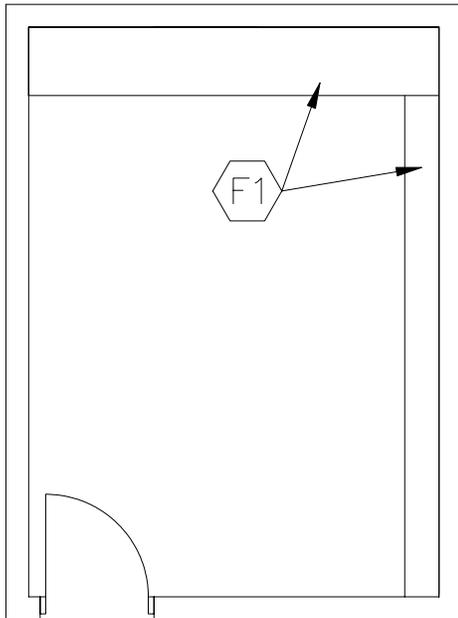
**INSTRUCTIONAL MATERIAL STORAGE
H-AC-10**

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:

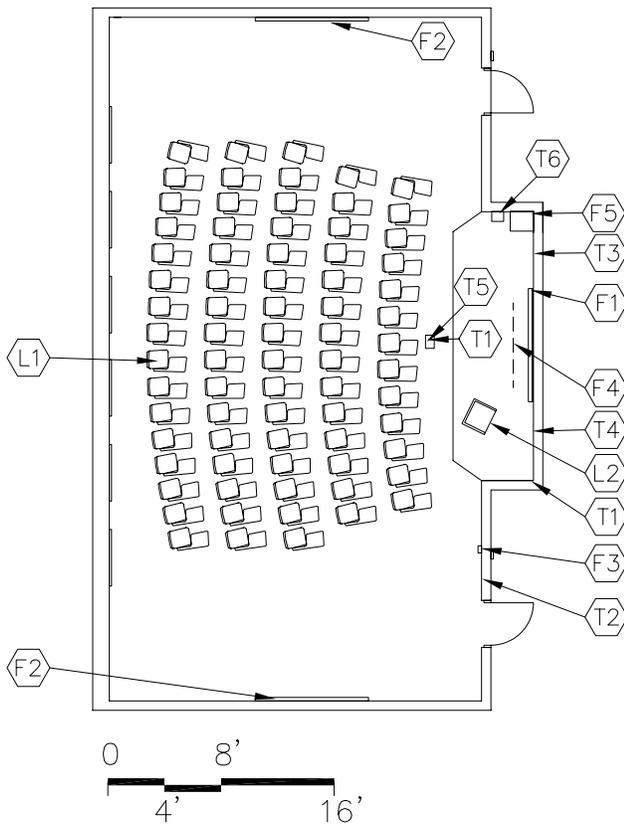
**INSTRUCTIONAL MATERIAL STORAGE
H-AC-10**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|------------------------------|----------------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Vinyl composition tile | 096500 | F1 30' of open shelving | |
| | | depths may vary (fixed or loose) | 123550 |
| Base: | | Option: mobile storage shelving | 105626 |
| Resilient base | 096500 | | |
| Ceiling: | | <u>Fire Suppression:</u> | |
| Suspended, acoustical | 095113 | Fire suppression system | 211000 |
| Walls: | | <u>Plumbing:</u> | |
| Painted concrete masonry | 042000/099100 | N/A | |
| <u>LOOSE FURNISHINGS:</u> | | <u>HVAC:</u> | |
| N/A | | To be determined by Design Professional | |
| | | Supplemental heat as required | Div. 23 |
| | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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:

- Uniform lighting
- Natural light opening equal to 5% of floor area, with an operable vent
- Environmental sound control -
wall minimum STC 50
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

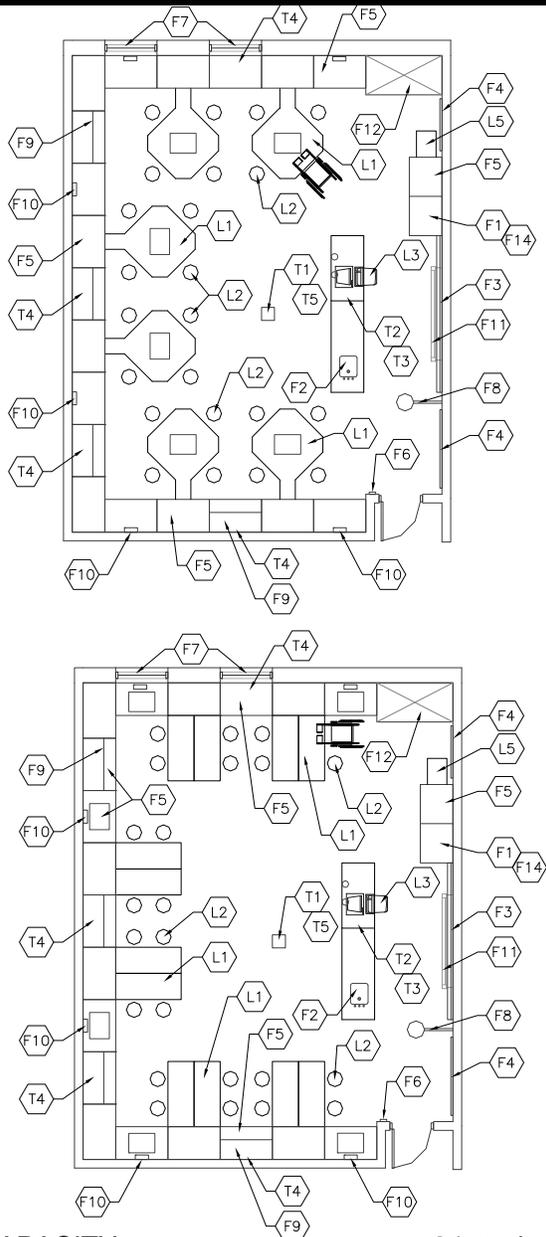
| | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|--------------------------------|-----------------------|--|----------------|
| <u>FINISHES</u> ¹ : | | <u>Fixed Items:</u> | |
| Flooring: | | F1 8'-12' of chalk/marker board | 101100 |
| Carpet | 096816 | F2 8'-16' of tack board | 101100 |
| Base: | | F3 Pencil sharpener support | 062000 |
| Resilient base | 096500 | F4 Projection screen (optional) | 115213 |
| Ceiling: | | F5 Technology support casework | 123550 |
| Suspended, acoustical | 095113 | <u>Fire Suppression:</u> | |
| Walls: | | Fire suppression system | 211000 |
| Painted concrete masonry units | 042000 /099100 | <u>Plumbing:</u> | |
| Acoustical wall treatment | 098000 | N/A | |
| <u>LOOSE FURNISHINGS:</u> | | <u>HVAC:</u> | |
| L1 Student desks and chairs | | Supply/return air system | Div. 23 |
| L2 Podium / console (optional) | | Independent temperature control | 230923 |
| Portable risers | | <u>Electrical:</u> | |
| Wastebasket | | Fluorescent lighting: | 265100 |
| Pencil sharpener | | Illumination level: See Table 8600-4 | |
| | | Multilevel switching | 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>Communications:</u> | |
| | | T1 2 video ports | 271533/271543 |
| | | T2 1 voice port and phone | 271513/273113 |
| | | 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 |
| | | <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. 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:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -
 wall minimum STC 50
 ceiling minimum CAC 35, NRC **0.70**
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

NOTES:

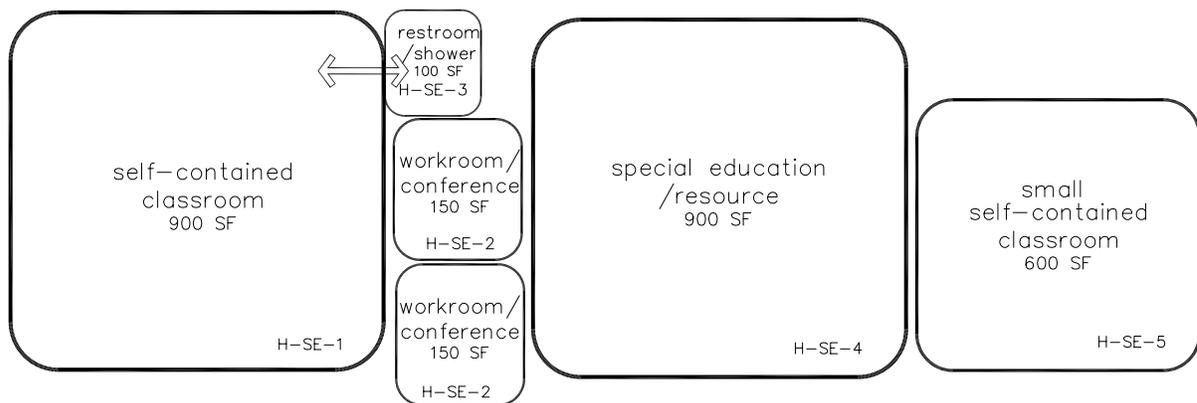
1. Loose furnishings shown represent one of many possible arrangements.
2. Science casework layout to be determined by the school district.
3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.
4. 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 , or vinyl composition tile, polished concrete finishing , or colored concrete finishing | 096500 096516 033510 033519 | F1 3' of tall wardrobe with file drawers F2 Demonstration table/teacher desk F3 10'-16' of chalk/marker board F4 4'- 6' of tack board F5 40'-60' lab casework with sinks F6 Pencil sharpener support F7 Windows with integral blinds F8 Emergency shower/eyewash F9 18'-24' of wall cabinets (optional) F10 Towel dispensers (optional) F11 Projection screen (optional) F12 Fume hood F13 Tall cabinet for microscopes(optional) F14 Technology support casework | 123553 123553 101100 101100 123553 062000 085113 224000 123553 102813 115213 115313 123550 123550 |
| <u>Base:</u> | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | Plumbing connections Emergency shower/eyewash connections Master shut-off for gas Gas connections Compressed air connections (optional) Acid waste piping Neutralization tank | 224000/221116/221119 224000 226313 226313 221500 221316 221323 |
| <u>Walls:</u> | | <u>HVAC:</u> | |
| Painted concrete masonry units | 042000/099100 | Supply/return air system Independent temp control Manual exhaust Exhaust for fume hood | Div. 23 230923 Div. 23 Div. 23 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Electrical:</u> | |
| L1 Student work tables | | Fluorescent lighting: Illumination level: See Table 8600-4 Multilevel switching Duplex receptacles at perimeter workstations and teaching wall Double duplex receptacle adjacent to each data and video port Emergency lighting Means of egress lighting per code | 265100 262726 262726 262726 265100 265100 |
| L2 Student stools/chairs | | <u>Communications:</u> | |
| L3 Teacher chair or stool | | T1 1 video port | 271533/271543 |
| L4 Computer workstation furniture | | T2 1 voice port and phone | 271513/273113 |
| L5 File cabinet | | T3 1 data port at demonstration table | 271513 |
| Wastebasket | | T4 4 data ports (minimum) for student use | 271513 |
| Pencil sharpener | | Central sound system | 275123 |
| | | Clock | 275313 |
| | | Sound reinforcement system | 275127 |
| L4 Could be fixed casework | | 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.
3. Master gas shutoff valve shall be clearly labeled, easily accessible, and immediately operable by staff.



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.

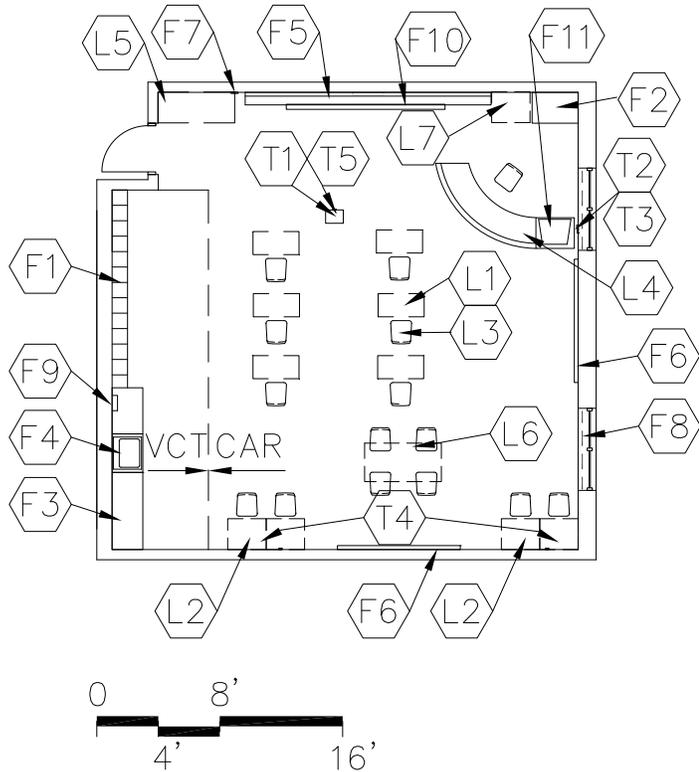
Following are the Special Education space plates:

- 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:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**
- 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.

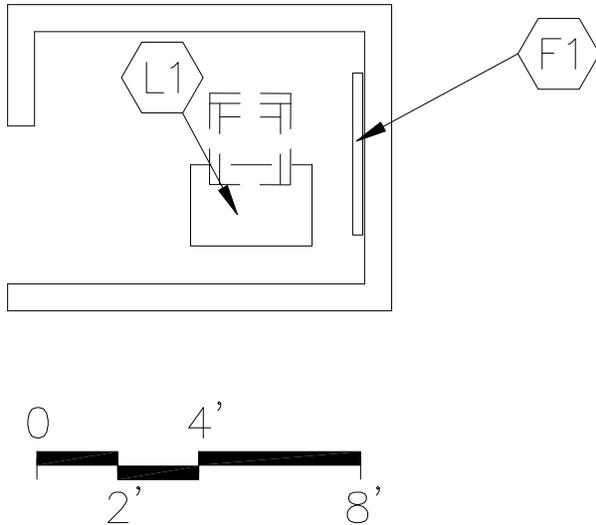
**SELF-CONTAINED CLASSROOM
H-SE-1**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|----------------|--|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Combination carpet | 096816 | F1 Open casework – coats and personal items | 123550 |
| with resilient options | 096500 | with wall cabinets above | 123550 |
| Optional: All vinyl composition tile, <i>ET</i> , sheet vinyl, linoleum, or rubber | 096516 | F2 3' of tall wardrobe w/file drawers | 123550 |
| | | F3 8'-10' of base & wall cabinets | 123550 |
| | | F4 3' sink base cabinet | 123550 |
| | | F5 12'-16' of chalk/marker board | 101100 |
| | | F6 12'-16' of tack board | 101100 |
| | | or tackable wall surface or combination | |
| <u>Base:</u> | | F7 Pencil sharpener support | 062000 |
| Resilient base | 096500 | F8 Windows with integral blinds | 085113 |
| | | F9 Towel dispenser (optional) | 102813 |
| <u>Ceiling:</u> | | F10 Projection screen (optional) | 115213 |
| Suspended, acoustical | 095113 | F11 Technology support casework | 123550 |
| | | F12 Mirror (optional) | 102813 |
| <u>Walls:</u> | | F13 Tall storage cabinet(optional) | 123550 |
| Painted concrete masonry units | 042000/099100 | | |
| | | <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 8600-4 | |
| | | 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 | 271513/273113 |
| | | T3 1 data port | |
| | | near teacher workstation | 271513 |
| | | T4 4 data ports (minimum) for student use | 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> | |
| | | N/A | |
| <u>LOOSE FURNISHINGS:</u> | | | |
| L1 Student desks/tables | | | |
| L2 Computer workstation furniture | | | |
| L3 Student chairs | | | |
| L4 Teacher workstations/computer support and chair | | | |
| L5 8'-10' of low bookcases (fixed or mobile) | | | |
| L6 Reading table | | | |
| L7 File cabinet | | | |
| Wastebasket | | | |
| Pencil sharpener | | | |
| <u>EQUIPMENT(optional)</u> | | | |
| E1 Washer and dryer | | | |
| E2 Small refrigerator | | | |
| E3 Range | | | |
| E4 Oven | | | |
| E5 Microwave | | | |

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

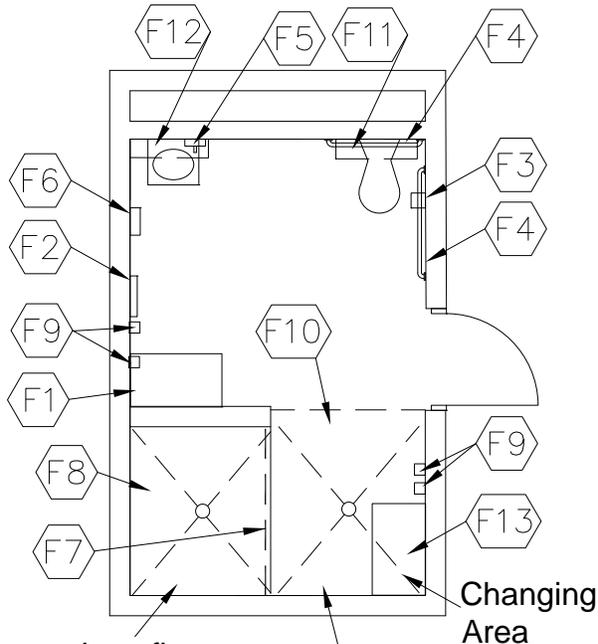
| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|--|----------------------------|--|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Carpet, VCT, ET , linoleum, or sheet vinyl | 096816 096500 096516 | F1 4' of tack board (optional) | 101100 |
| <u>Base:</u> | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | N/A | |
| <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 Student desk and chair | | Dimmable lighting | 262726 |
| Wastebasket | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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.

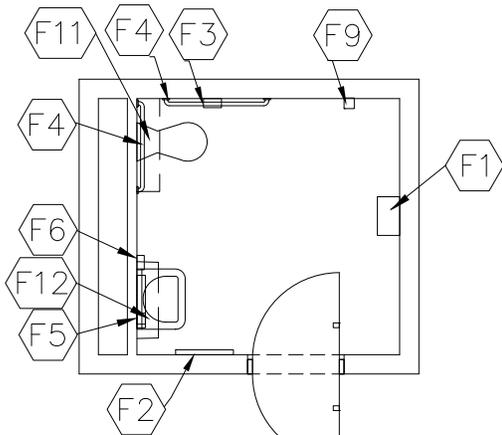
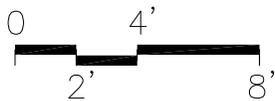
**RESTROOM/SHOWER
H-SE-3**

CHAPTER 6: HIGH SCHOOL



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

Drying Area;
5' x 5' sloped floor



CAPACITY:
SIZE: 1 - 2 persons
100 SF

PROGRAM ACTIVITIES:

- Changing area
- Toilet / shower needs

SPATIAL RELATIONSHIPS:

- Next to self-contained classroom

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- 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

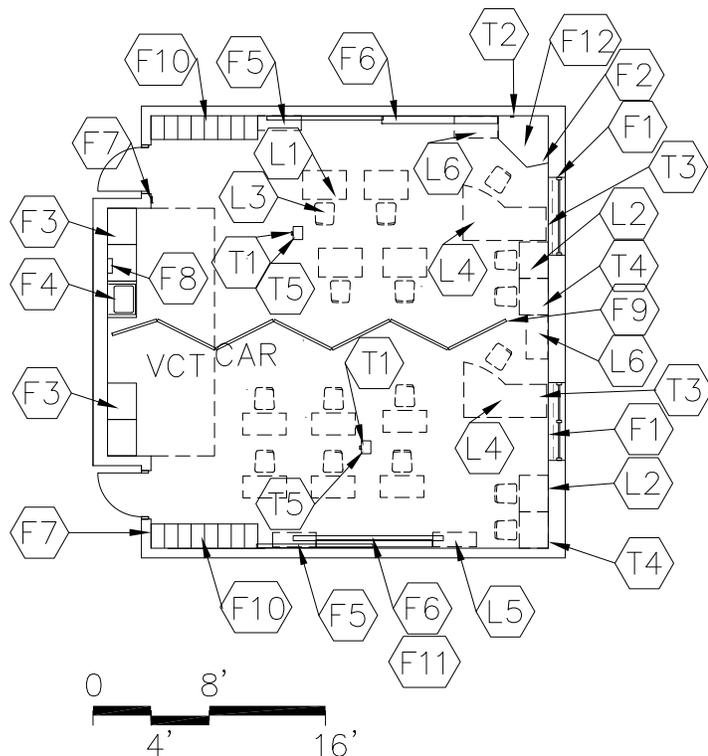
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|----------------|---|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Restroom: Linoleum, ET , vinyl | 096516 | F1 Base cabinets | 123550 |
| sheet flooring, or rubber sheet | 096500 | F2 24" x 60" mirror | 102813 |
| flooring, | 093000 | F3 Toilet tissue holder | 102813 |
| Shower: Ceramic mosaic tile, or | | F4 36" and 42" grab bar | 102813 |
| porcelain tile | | F5 Soap dispenser | 102813 |
| | | F6 Towel dispenser | 102813 |
| <u>Base:</u> | | F7 Shower curtain and rod | 102813 |
| Restroom: Resilient base, or | 096500 | F8 ADA shower accessories | 102813 |
| integral vinyl cove base | 093000 | F9 (2) towel hooks | 102813 |
| Shower: Ceramic mosaic tile base, | | F10 Cubicle curtain (optional) | 102813 |
| porcelain tile, or integral vinyl cove base | | F11 8" deep wall cabinet above toilet | 102813 |
| | | F12 Shelf (optional) | 102813 |
| <u>Ceiling:</u> | | F13 Changing station or fold-down adult changing station | 123550 |
| Restroom: Suspended, acoustical | 095113 | | |
| Shower: Painted portland | | <u>Fire Suppression:</u> | |
| cement plaster or | 092400/099100 | Fire suppression system | 211000 |
| interior finish system | 092513 | | |
| <u>Walls:</u> | | <u>Plumbing:</u> | |
| Epoxy painted concrete | | Wall-mounted water closet | 224000 |
| masonry units | 042000/099100 | Wall-mounted lavatory | 224000 |
| or ceramic wall tile in shower | 093000 | ADA shower controls and head | 224000 |
| and latex paint in restroom | 099100 | 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 8600-4 | |
| | | 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.**

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

CHAPTER 6: HIGH SCHOOL



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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control –
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**

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 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

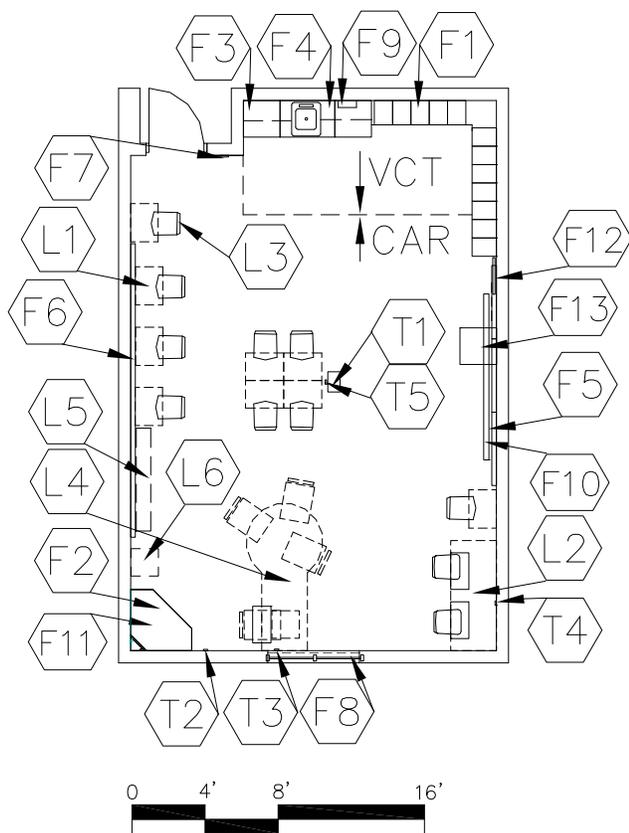
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|----------------|--|----------------------|
| Flooring: | | Fixed Items: | |
| Combination carpet | 096816 | F1 Windows with integral blinds | 085113 |
| with resilient options | 096500 | F2 3' of tall wardrobe with file drawers | 123550 |
| Option: All vinyl composition tile, ET , sheet vinyl, linoleum, or rubber | 096516 | F3 8'-12' of base cabinets | 123550 |
| | | F4 3' sink base cabinet | 123550 |
| | | F5 10'-16' of chalk/marker board | 101100 |
| | | F6 10'-16' of tack board | 101100 |
| | | or tackable wall surface or combination | |
| Base: | | F7 Pencil sharpener support | 062000 |
| Resilient base | 096500 | F8 Towel dispenser (optional) | 102813 |
| | | F9 Operable partition (optional) | 102226 |
| Ceiling: | | F10 Open casework coats and personal | |
| Suspended, acoustical | 095113 | storage w/wall cabinets above | 123550 |
| | | F11 Projection screen (optional) | 115213 |
| Walls: | | F12 Technology support casework | 123550 |
| Painted concrete masonry units | 042000/099100 | F13 Mirror (optional) | 102813 |
| | | F14 Mobile storage cabinet (optional) | 123550 |
| LOOSE FURNISHINGS: | | Fire Suppression: | |
| L1 Student desks/tables | | Fire suppression system | 211000 |
| L2 Computer workstation furniture | | Plumbing: | |
| L3 Student chairs | | Sink | 224000 |
| L4 Teacher desk /computer support and chair | | Plumbing connections | 224000/221116/221119 |
| L5 Mobile bookcases or storage unit | | HVAC: | |
| L6 File cabinet | | Supply/return air system | Div. 23 |
| Wastebasket | | Independent temperature control | 230923 |
| Pencil sharpener | | Electrical: | |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | Multilevel switching | 262726 |
| | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to | |
| | | each data and video port | 262726 |
| | | Communications: | |
| | | T1 1 video port | 271533/271543 |
| | | T2 1 voice port and phone | 271513/273113 |
| | | T3 1 data port | |
| | | near each teacher workstation | 271513 |
| | | T4 4 data ports (min.) for student use | 271513 |
| | | Clock | 275313 |
| | | Sound reinforcement system | 275127 |
| | | 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.

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

CHAPTER 6: HIGH SCHOOL



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:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**
- 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.

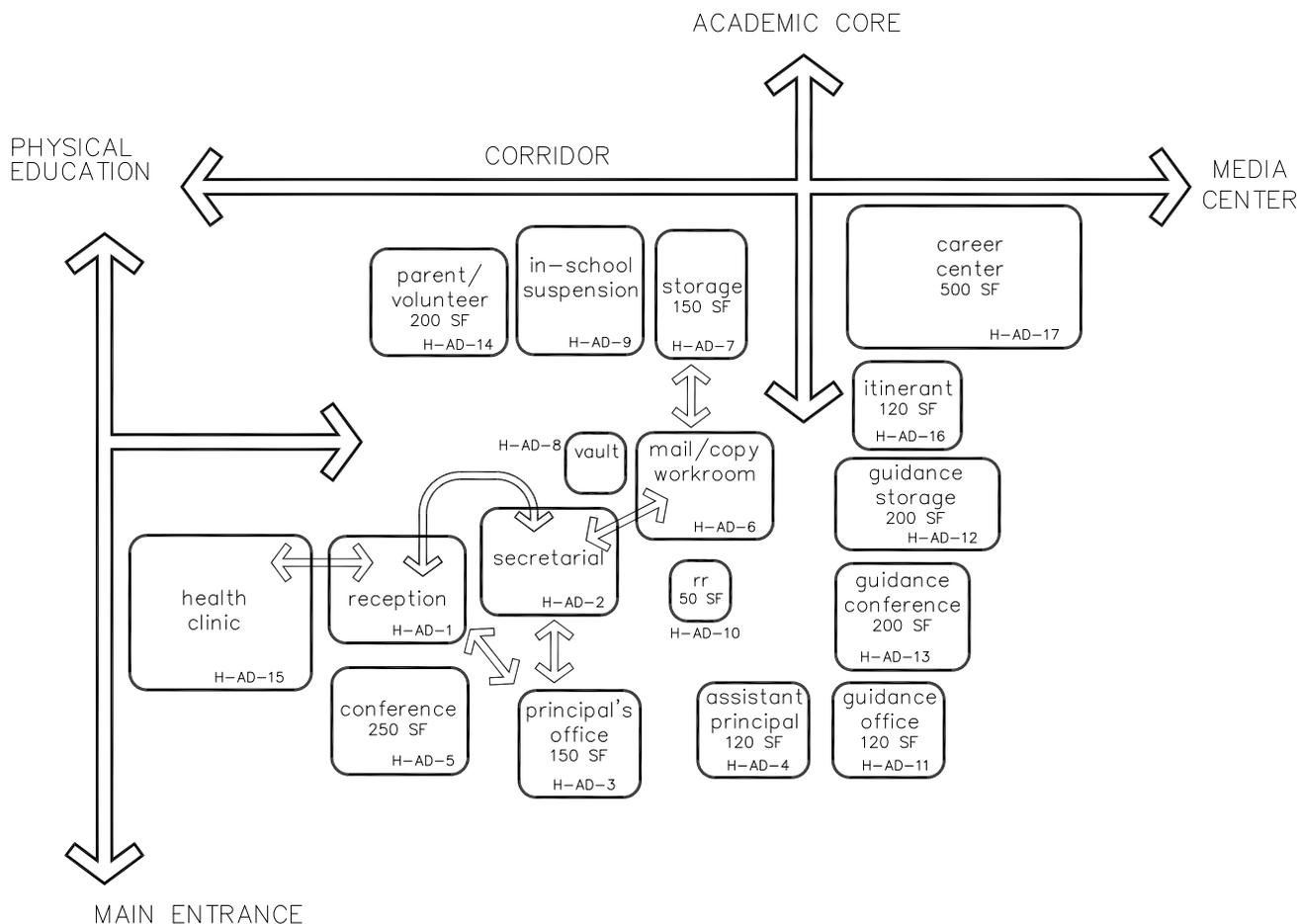
SMALL SELF-CONTAINED CLASSROOM**H-SE-5** (Special Education)

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|----------------|---|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Combination carpet | 096816 | F1 Open casework – coats and personal items with wall cabinets above | 123550 |
| with resilient options | 096516 | F2 3' of tall wardrobe w/file drawers | 123550 |
| Option: All vinyl composition tile | 096500 | F3 About 6' of base & wall cabinets (total) | 123550 |
| ET , sheet vinyl, linoleum, or rubber | | F4 3' sink base cabinet | 123550 |
| | | F5 10'-12' of chalk/marker board | 101100 |
| | | F6 10'-16' of tack board or tackable wall surface or combination | 101100 |
| <u>Base:</u> | | F7 Pencil sharpener support | 062000 |
| Resilient base | 096500 | F8 Windows with integral blinds | 085113 |
| | | F9 Towel dispenser (optional) | 102813 |
| <u>Ceiling:</u> | | F10 Projection screen(optional) | 115213 |
| Suspended, acoustical | 095113 | F11 Technology support casework | 123550 |
| | | F12 Mirror (optional) | 102813 |
| <u>Walls:</u> | | F13 Mobile storage cabinet (optional) | 123550 |
| Painted concrete masonry units | 042000/099100 | | |
| | | <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 | | | |
| L4 Teacher workstations/computer support and chair | | <u>HVAC:</u> | |
| L5 6' of low bookcases (fixed or mobile) | | Supply/return air system | Div. 23 |
| L6 File cabinet | | Independent temperature control | 230923 |
| Wastebasket | | <u>Electrical:</u> | |
| Pencil sharpener | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | T3 1 data port near teacher workstation | 271513 |
| | | T4 2 data ports (minimum) for student use | 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> | |
| | | N/A | |

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:

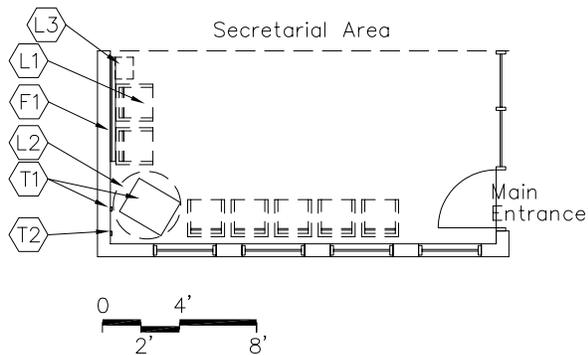
| | | | |
|--------|------------------------------|---------|--|
| H-AD-1 | Reception Area | H-AD-10 | Restroom |
| H-AD-2 | Secretarial Area | H-AD-11 | Guidance Counselor's office |
| H-AD-3 | Principal's Office | H-AD-12 | Guidance Records/Storage |
| H-AD-4 | Assistant Principal's Office | H-AD-13 | 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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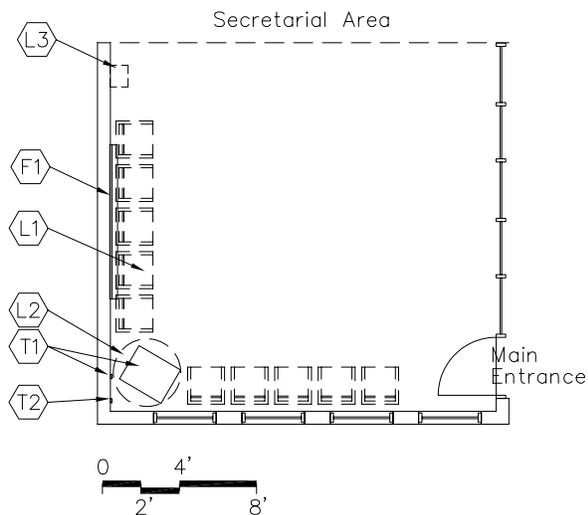
RECEPTION AREA
H-AD-1

CHAPTER 6: HIGH SCHOOL

200 SF



600 SF



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

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:

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

NOTES:

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

**RECEPTION AREA
H-AD-1**

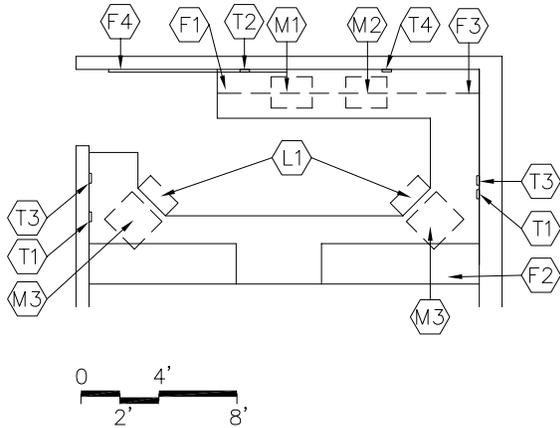
CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|-------------------------|---|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Carpet <i>or</i> Carpet Tile | 096816 096813 | F1 Tack board or tackable wall surface (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 gypsum wallboard over metal studs | 092116 /099100 | Supply/return air system | Div. 23 |
| <u>LOOSE FURNISHINGS:</u> | | Independent temperature control | 230923 |
| L1 Visitor chairs | | <u>Electrical:</u> | |
| L2 End table | | Single level switching | 262726 |
| L3 Racks for forms (optional) | | Fluorescent lighting | 265100 |
| Wastebasket | | Illumination level: See Table 8600-4 | |
| | | 2 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to video port | 262726 |
| | | Means of egress lighting per code | 265100 |
| | | <u>Communications:</u> | |
| | | T1 1 video port, monitor, and brackets | 271533/271543/274119 |
| | | T2 1 voice port and phone | 271513/273113 |
| | | Clock | 275313 |
| | | Central sound system | 275123 |
| | | <u>Electronic Safety and Security:</u> | |
| | | Life safety devices per code | 283111 |
| | | <u>Miscellaneous:</u> | |
| | | Interior windows | 081113/088000 |

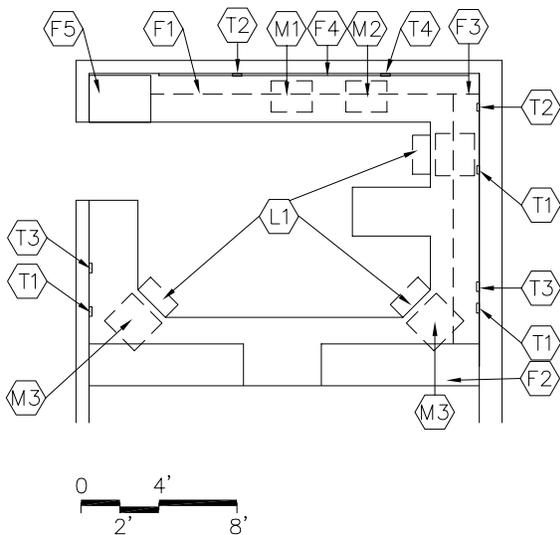
NOTES:

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

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:

- Uniform lighting
- 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.

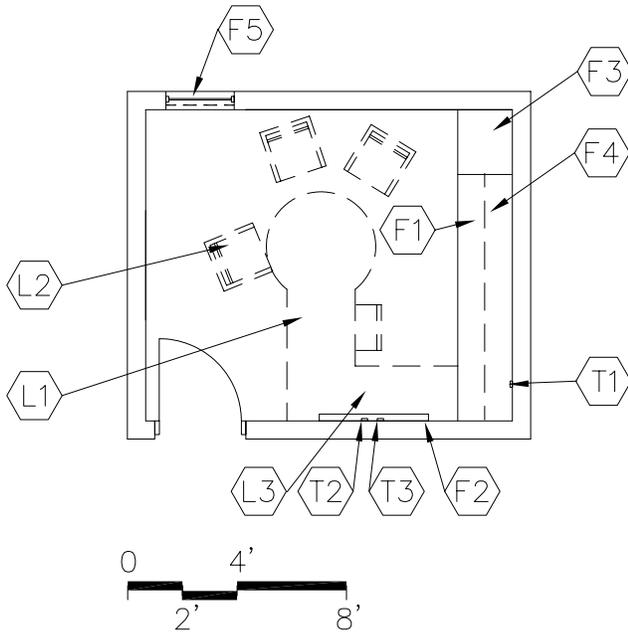
SECRETARIAL AREA**H-AD-2**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|---|-------------------------|--|----------------|
| Flooring: | | <u>Fixed Items</u> ² : | |
| Carpet <i>or</i> Carpet Tile | 096816 096813 | F1 24' - 60' of work surface with file drawers | 123550 |
| Base: | | 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 |
| Ceiling: | | F4 Tackable wall surface (optional) | 101100 |
| Suspended, acoustical | 095113 | F5 Tall cabinet for coats (optional) | 123550 |
| Walls: | | <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 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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:

- Uniform lighting
- 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.

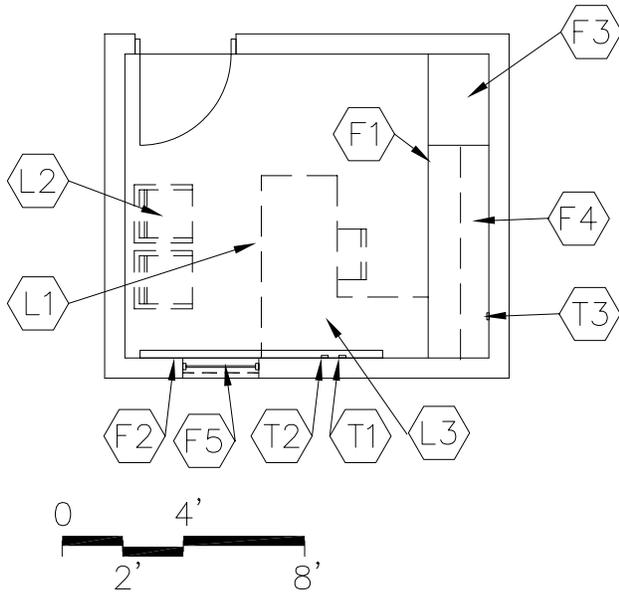
**PRINCIPAL'S OFFICE
H-AD-3**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|-------------------------|---|----------------|
| <u>Flooring:</u> | | | |
| Carpet <i>or</i> Carpet Tile | 096816 096813 | <u>Fixed Items:</u> F1 Work surface with file drawers | 123550 |
| | | F2 4' of tack board or tackable wall surface | 101100 |
| <u>Base:</u> | | | |
| Resilient base | 096500 | F3 2' of tall wardrobe (optional) | 123550 |
| | | F4 Wall cabinets above work surface | 123550 |
| <u>Ceiling:</u> | | | |
| Suspended, acoustical | 095113 | F5 Window with integral blind | 085116 |
| <u>Walls:</u> | | | |
| Painted gypsum wallboard over metal studs | 092116 / 099100 | <u>Fire Suppression:</u> Fire suppression system | 211000 |
| <u>LOOSE FURNISHINGS:</u> | | | |
| L1 Desk and chair | | <u>Plumbing:</u> N/A | |
| L2 Visitor chairs | | <u>HVAC:</u> 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 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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:

- Uniform lighting
- 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.

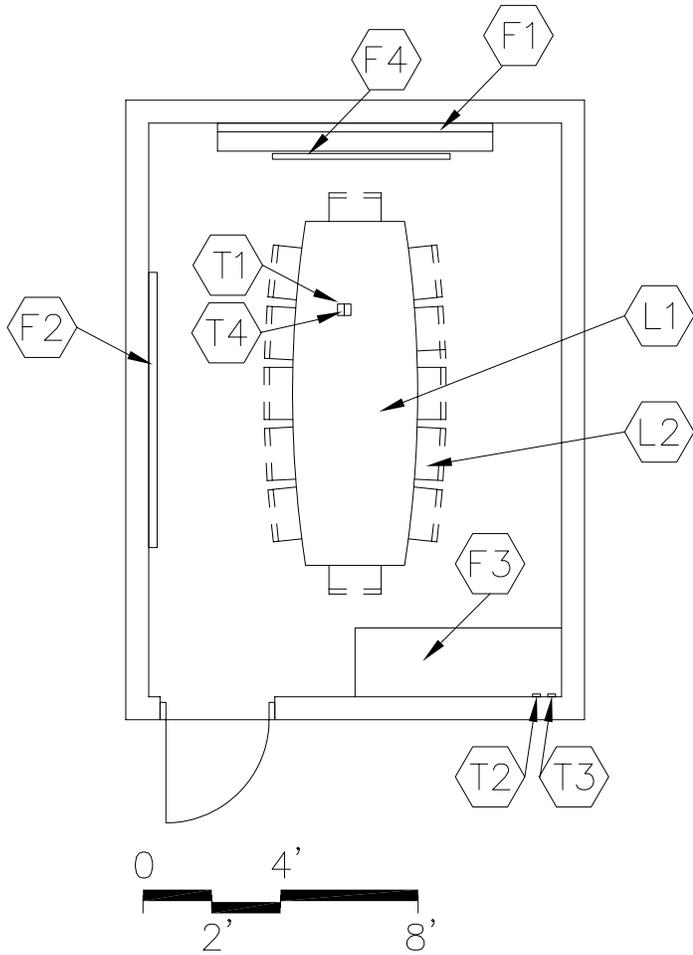
**ASSISTANT PRINCIPAL'S OFFICE
H-AD-4**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|-------------------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Carpet <i>or Carpet Tile</i> | 096816 096813 | F1 Work surface with file drawers | 123550 |
| Base: | | F2 4' of tack board or tackable wall surface | 101100 |
| Resilient base | 096500 | F3 2' of tall wardrobe | 123550 |
| Ceiling: | | F4 Wall cabinets above work surface | 123550 |
| Suspended, acoustical | 095113 | F5 Window with integral blind | 085116 |
| Walls: | | <u>Fire Suppression:</u> | |
| Painted gypsum wallboard over metal studs | 092116/099100 | Fire suppression system | 211000 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Plumbing:</u> | |
| L1 Desk and chair | | N/A | |
| L2 Visitor chairs | | <u>HVAC:</u> | |
| L3 Computer desk return | | 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 8600-4 | |
| | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to data and video port | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | 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.



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:

- Uniform lighting
- Environmental sound control -
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**

CAPACITY: 12 – 15 persons
 SIZE: 250 SF

NOTES:

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

**CONFERENCE ROOM
H-AD-5**

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 About 8' of chalk/marker board | 101100 |
| | | F2 About 8' of tack board or tackable wall surface | 101100 |
| Base: | | F3 4'-6' of base cabinets (optional) | 123550 |
| Resilient base | 096500 | F4 Projection screen (optional) | 115213 |
| 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 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 8600-4 | |
| | | 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 | 271533/273113 |
| | | 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 | |

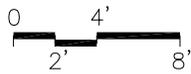
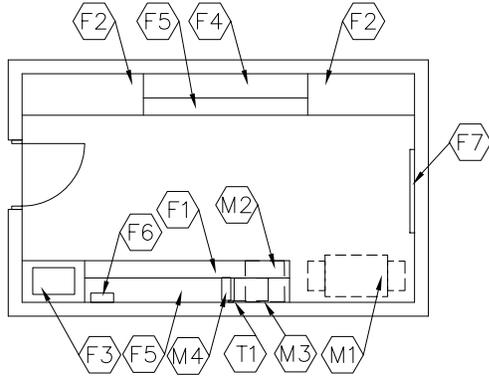
NOTES:

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.

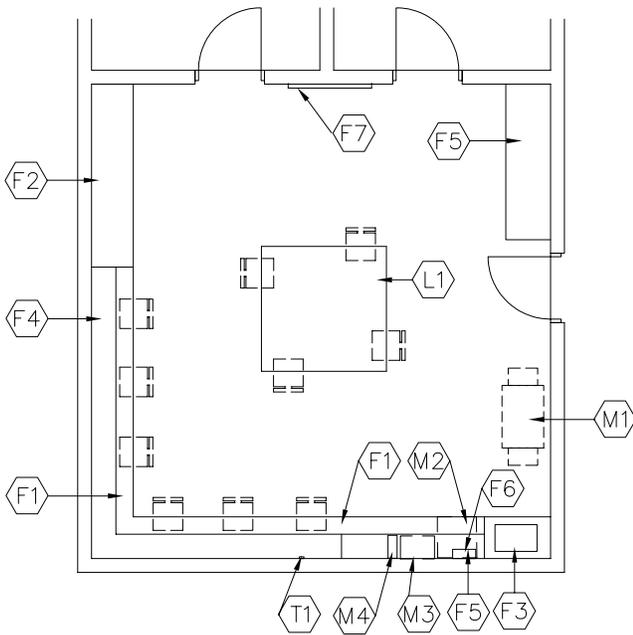
**MAIL/WORK/COPY ROOM
H-AD-6**

CHAPTER 6: HIGH SCHOOL

200 SF



500 SF



CAPACITY: N/A
 SIZE: 200 - 300 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:

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

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.# |
|---|----------------------|---|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Vinyl composition tile | 096500 | F1 About 10' of base & wall cabinets | 123550 |
| Base: | | F2 8'-12' of tall storage cabinets | 123550 |
| Resilient base | 096500 | or about 32' maximum of a combination storage cabinets | |
| Ceiling: | | F3 3' sink base cabinet | 123550 |
| Suspended, acoustical | 095113 | F4 Mail cubicles for all staff | 123200 |
| Walls: | | F5 10'-12' of wall cabinets | 123550 |
| Painted gypsum wallboard over metal studs | 092116/099100 | F6 Towel dispenser (optional) | 102813 |
| <u>LOOSE FURNISHINGS:</u> | | F7 4' tack board (optional) | 101100 |
| L1 Work table and chairs (applicable in 300 SF space only) | | <u>Fire Suppression:</u> | |
| Wastebasket | | Fire suppression system | 211000 |
| | | <u>Plumbing:</u> | |
| | | Sink | 224000 |
| | | Plumbing connections | 224000/221116/221119 |
| | | <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 8600-4 | |
| | | 3 - 5 duplex receptacles | 262726 |
| | | Receptacle for copier | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | 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 | |

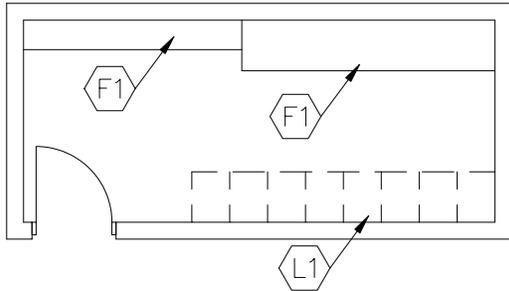
NOTES:

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

**ADMINISTRATIVE STORAGE
H-AD-7**

CHAPTER 6: HIGH SCHOOL

150 SF



CAPACITY: N/A
 SIZE: 150 - 400 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

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> | |
| Vinyl composition tile | 096500 | F1 10'-20' of open shelving | |
| | | depth may vary (fixed or loose) | 123550 |
| Base: | | Option: mobile storage shelving | 105626 |
| Resilient base | 096500 | | |
| 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>HVAC:</u> | |
| | | 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 8600-4 | |
| | | 1 duplex receptacle | 262726 |
| | | <u>Communications:</u> | |
| | | N/A | |
| | | <u>Electronic Safety and Security:</u> | |
| | | N/A | |
| | | <u>Miscellaneous:</u> | |
| | | N/A | |

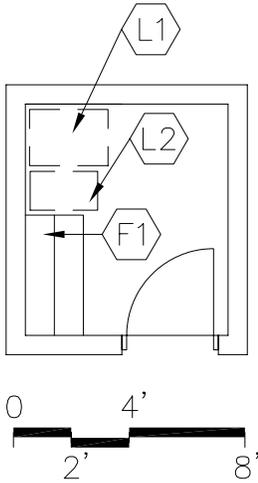
NOTES:

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

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

CHAPTER 6: HIGH SCHOOL

50 SF



PROGRAM ACTIVITIES:

- Storage of records and security files in a secure area

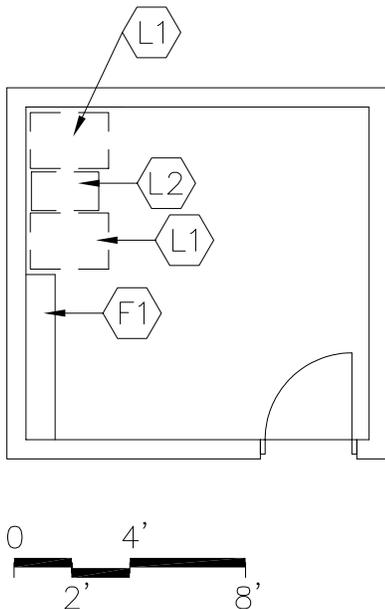
SPATIAL RELATIONSHIPS:

- Access to guidance area
- Access to secretarial personnel

ENVIRONMENTAL CONSIDERATIONS:

N/A

140 SF



**CAPACITY:
SIZE:**

N/A
50 - 210 SF

NOTES:

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

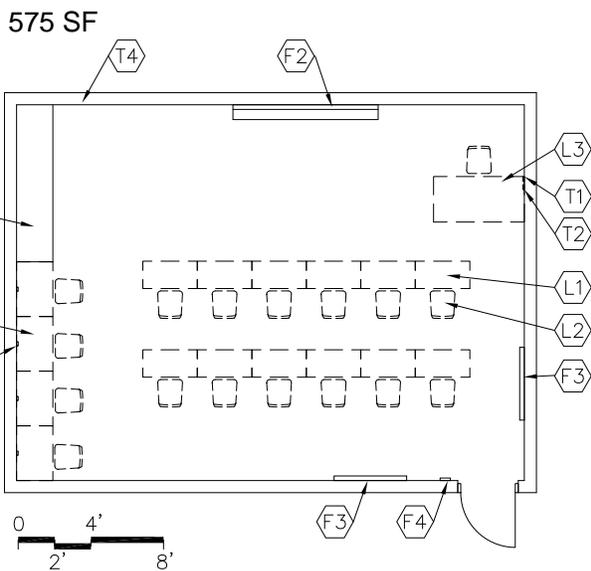
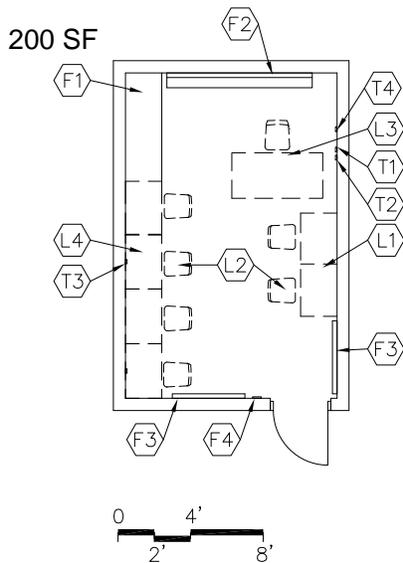
VAULT/RECORDS STORAGE
H-AD-8

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|-----------------------------------|-----------------------|--|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Vinyl composition tile | 096500 | F1 3'-6' of open shelving, (depth may vary)(fixed or loose) | 123550 |
| Base: | | Option: mobile storage shelving | 105626 |
| Resilient base | 096500 | <u>Fire Suppression:</u> | |
| Ceiling: | | Fire suppression system | 211000 |
| Rated 2-hour construction | --- | <u>Plumbing:</u> | |
| Walls: | | N/A | |
| Painted concrete masonry units or | 042000 /099100 | <u>HVAC:</u> | |
| painted gypsum wallboard | 092116 /099100 | To be determined by Design Professional | |
| Rated 2-hour construction | | <u>Electrical:</u> | |
| <u>LOOSE FURNISHINGS:</u> | | Single level switching | 262726 |
| L1 File cabinet | | Fluorescent lighting | 265100 |
| L2 Safe (loose or fixed) | | Illumination level: See Table 8600-4 | |
| | | 1 duplex receptacle | 262726 |
| | | <u>Communications:</u> | |
| | | N/A | |
| | | <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.



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

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:

- Uniform lighting
- Environmental sound control -
 wall minimum STC 50
 ceiling minimum CAC 35, NRC **0.70**

NOTES:

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

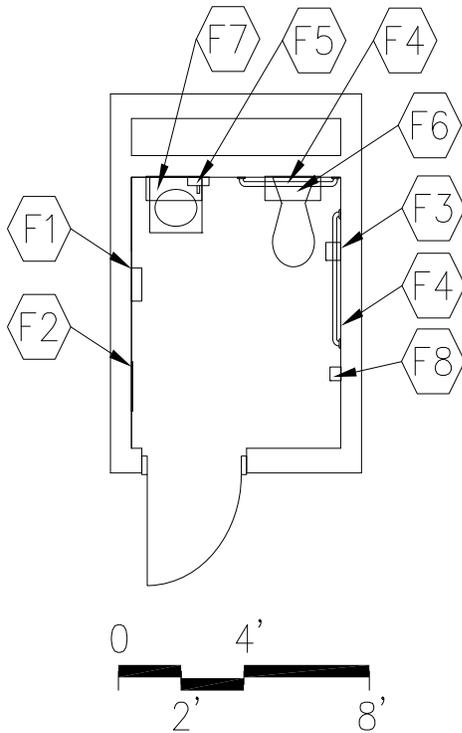
**IN-SCHOOL SUSPENSION
H-AD-9**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|----------------------------|--|----------------|
| <u>Fixed Items:</u> | | | |
| Flooring: | | F1 3'-4' of base cabinets (optional) | 123550 |
| Carpet, VCT, ET , linoleum, sheet vinyl, or rubber | 096816 096500 096516 | F2 6'-8' of chalk/marker board | 101100 |
| | | F3 4'-8' of tack board | 101100 |
| | | F4 Pencil sharpener support | 062000 |
| 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 | 042000/092113 | Supply/return air system | Div. 23 |
| | | Independent temperature control | 230923 |
| <u>LOOSE FURNISHINGS:</u> | | | |
| L1 Student carrels and/or desks | | <u>Electrical:</u> | |
| L2 Student chairs | | Single level switching | 262726 |
| L3 Teacher workstation and chair | | Fluorescent lighting | 265100 |
| L4 Computer workstation furniture | | Illumination level: See Table 8600-4 | |
| Wastebasket | | 4 duplex receptacles | 262726 |
| Pencil sharpener | | Double duplex receptacle adjacent to each data and video port | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | T2 1 data port near teacher workstation | 271513 |
| | | T3 2 data ports (minimum) for student use | 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> | |
| | | N/A | |

NOTES:

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

**RESTROOM
H-AD-10**
CHAPTER 6: HIGH SCHOOL

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Located in the administrative area

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY:
SIZE:

1 person
50 SF

NOTES:

**RESTROOM
H-AD-10**

CHAPTER 6: HIGH SCHOOL

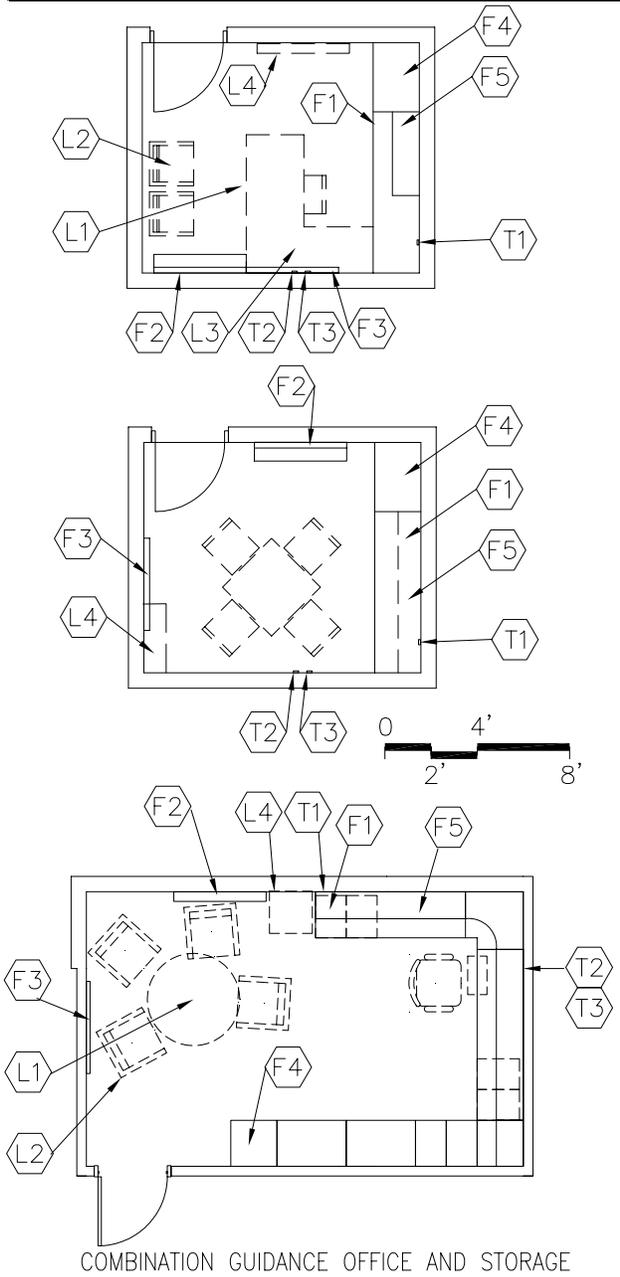
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|----------------|---|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| ET , linoleum, rubber, or sheet vinyl | 096516 | F1 Towel dispenser | 102813 |
| | 096500 | F2 24" x 60" mirror | 102813 |
| Optional: 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 8" deep wall cabinet above toilet for supplies (optional) | 102813 |
| <u>Base:</u> | | F7 Stainless steel shelf (optional) | 102813 |
| Resilient base | 096500 | F8 Coat hook | 102813 |
| Optional: ceramic mosaic tile, | 093000 | | |
| porcelain tile, resinous flooring, | 096723 | | |
| or integral vinyl cove base | | <u>Fire Suppression:</u> | |
| | | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | Wall-mounted water closet | 224000 |
| | | Wall-mounted lavatory | 224000 |
| <u>Walls:</u> | | Plumbing connections | 224000/221116/221119 |
| Painted concrete masonry units | 042000/099100 | <u>HVAC:</u> | |
| Optional: moisture & abuse-resistant | | Exhaust air system | Div. 23 |
| gypsum wall board | 092116/099100 | 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 8600-4 | |
| | | 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:

- Uniform lighting
- 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> | | | |
| Carpet <i>or</i> Carpet Tile | 096816 096813 | <u>Fixed Items:</u> | |
| | | F1 Work surface with file drawers | 123550 |
| | | F2 4' of chalk/marker board (optional) | 101100 |
| | | F3 4' of tack board | 101100 |
| | | or tackable wall surface | |
| <u>Base:</u> | | F4 Tall wardrobe | 123550 |
| Resilient base | 096500 | F5 Wall cabinets | 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> | | | |
| 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) Wastebasket | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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 | |

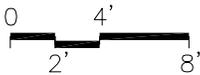
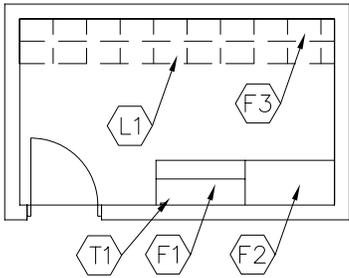
NOTES:

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.

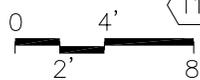
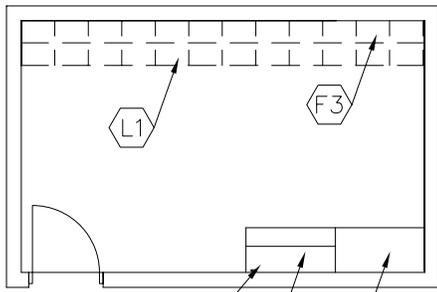
**GUIDANCE RECORDS/STORAGE
H-AD-12**

CHAPTER 6: HIGH SCHOOL

100 SF



200 SF



PROGRAM ACTIVITIES:

- Storage of supplies, files, and equipment in

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

N/A

CAPACITY:
SIZE:

N/A
100 - 300 SF

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> | | <u>Fixed Items:</u> | |
| Vinyl composition tile | 096500 | F1 3'-6' of base and wall cabinets | 123550 |
| <u>Base:</u> | | F2 3'-4' of tall storage cabinets | 123550 |
| Resilient base | 096500 | Option: mobile storage shelving | 105626 |
| <u>Ceiling:</u> | | F3 4'-10' shelving (optional) | 123550 |
| Rated 2-hour construction | --- | <u>Fire Suppression:</u> | |
| <u>Walls:</u> | | Fire suppression system | 211000 |
| 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> | |
| <u>LOOSE FURNISHINGS:</u> | | To be determined by Design Professional | |
| L1 File cabinets | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | |

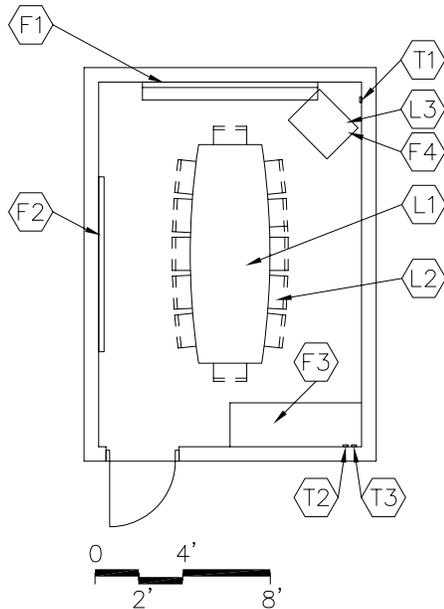
NOTES:

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

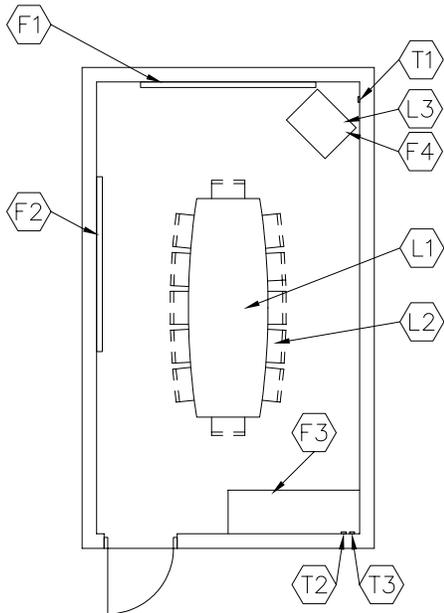
**GUIDANCE CONFERENCE ROOM
H-AD-13**

CHAPTER 6: HIGH SCHOOL

150 SF



250 SF



CAPACITY:
SIZE:

12 - 15 persons
150 - 250 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:

- Uniform lighting
- 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.

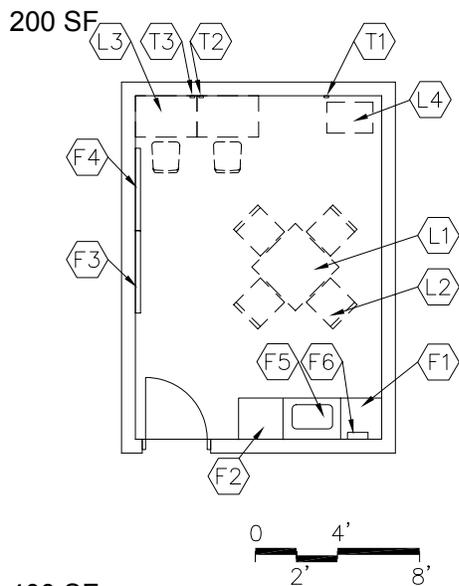
**GUIDANCE CONFERENCE ROOM
H-AD-13**

CHAPTER 6: HIGH SCHOOL

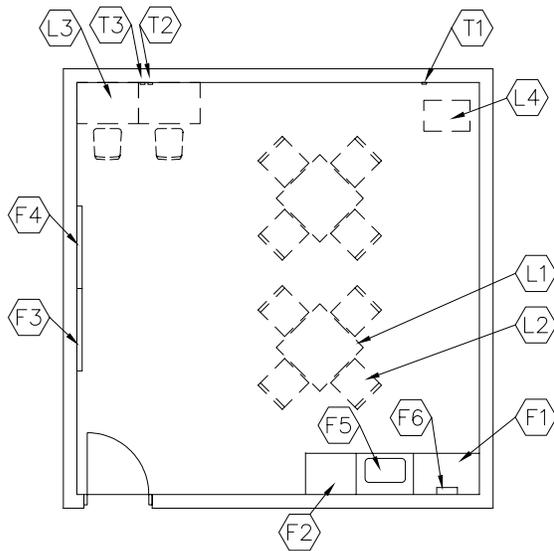
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|-------------------------|--|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Carpet <i>or</i> Carpet Tile | 096816 096813 | F1 6'-8' of chalk/marker board | 101100 |
| | | F2 4'-8' of tack board | 101100 |
| Base: | | F3 4'-6' of base cabinets | 123550 |
| Resilient base | 096500 | F4 Technology support casework (optional) | 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 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 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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> | |
| | | 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.



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:

- Uniform lighting
- 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.# |
|--|-------------------------|---|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Carpet <i>or</i> Carpet Tile | 096816 096813 | F1 About 3' of base cabinets | 123550 |
| | | F2 2' of tall wardrobe or coat cabinet (optional) | 123550 |
| Base: | | F3 4' of chalk/marker board (optional) | 101100 |
| Resilient base | 096500 | F4 4' of tack board or tackable wall surface | 101100 |
| Ceiling: | | F5 3' sink base cabinet | 123550 |
| Suspended, acoustical | 095113 | F6 Towel dispenser | 102813 |
| Walls: | | <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 |
| Pencil sharpener | | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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> | |
| | | N/A | |

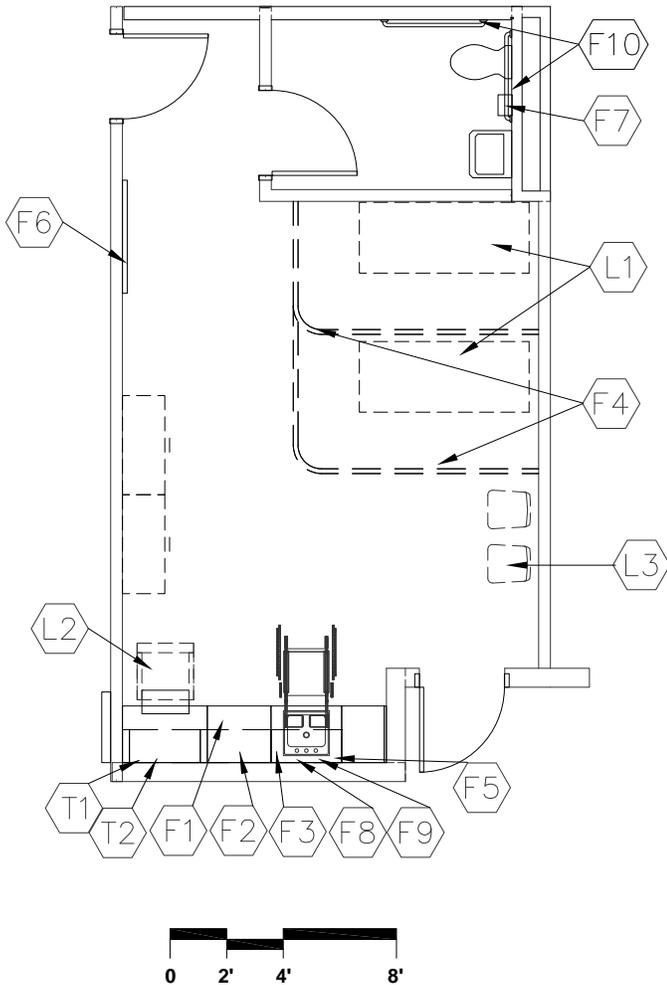
NOTES:

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

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

CHAPTER 6: HIGH SCHOOL

450 SF



CAPACITY: **2 - 3 patients**
 SIZE: **Clinic.....240 - 390 SF**
 Restroom.....60 SF
 ANCILLARY SPACES: **Secretarial Area**
 H-AD-2

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:

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

NOTES:

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

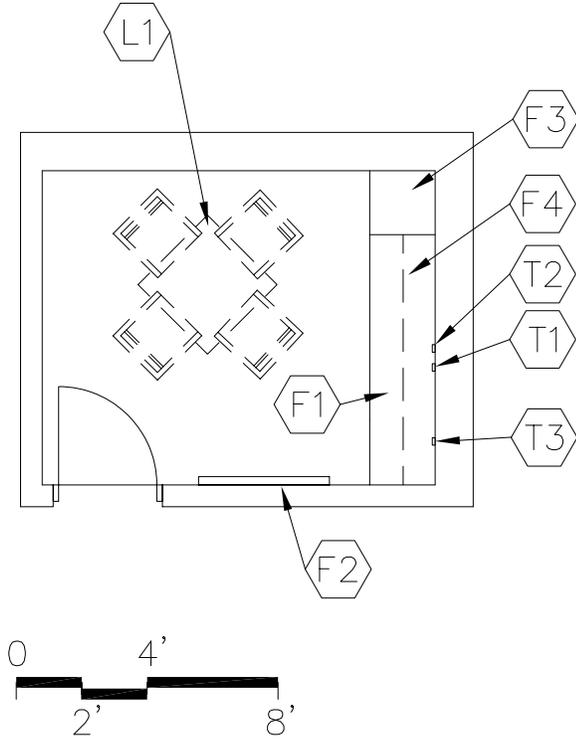
HEALTH CLINIC (includes restroom)**H-AD-15**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|---|----------------------------|--|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Vinyl composition tile, linoleum, rubber, ET , sheet vinyl, or resinous flooring | 096516 096500 096723 | F1 4'-9' of base cabinets | 123550 |
| | | F2 3' sink base cabinet | 123550 |
| | | F3 4'-9' of wall cabinets, lockable | 123550 |
| | | F4 Cubicle curtain and track | 102123 |
| | | F5 Towel dispenser | 102813 |
| Base: | | F6 4' of tack board | 101100 |
| Resilient base, resinous flooring, or integral vinyl cover base | 096500 096730 | F7 Sanitary napkin dispenser/disposal | 102813 |
| | | F8 Soap dispenser | 102813 |
| | | F9 24" x 60" mirror | 102813 |
| | | F10 36" and 42" grab bars | 102813 |
| Ceiling: | | <u>Fire Suppression:</u> | |
| Suspended, acoustical | 095113 | Fire suppression system | 211000 |
| Walls: | | <u>Plumbing:</u> | |
| Painted gypsum wallboard over metal studs | 092116/099100 | Sink - with goose neck | 224000 |
| | | Plumbing connections | 224000/221116/221119 |
| <u>LOOSE FURNISHINGS:</u> | | <u>HVAC:</u> | |
| L1 Cots | | Supply/return air system | Div. 23 |
| L2 Desk and chair | | Independent temperature control | 230923 |
| L3 Chairs | | Exhaust directly to exterior | |
| Wastebasket | | <u>Electrical:</u> | |
| <u>EQUIPMENT</u> | | Single level switching with dimmer | 262726 |
| E1 Refrigerator with ice making capabilities | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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 |
| | | <u>Miscellaneous:</u> | |
| | | N/A | |

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:

- Uniform lighting
- 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

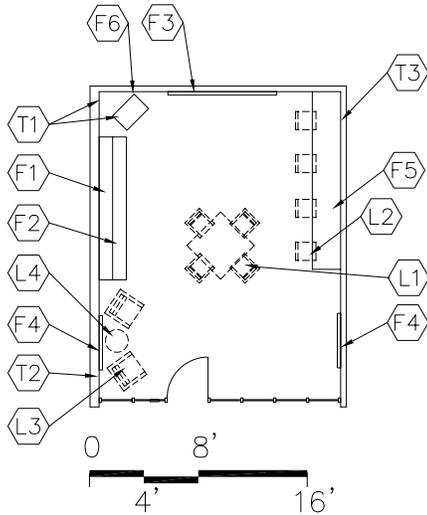
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|-------------------------|---|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Carpet <i>or</i> Carpet Tile | 096816 096813 | F1 Work surface with file drawers(optional) | 123550 |
| | | F2 4' of tack board or tackable wall surface | 101100 |
| <u>Base:</u> | | F3 2' of tall wardrobe (optional) | 123550 |
| Resilient base | 096500 | F4 Wall cabinets | 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 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 8600-4 | |
| | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to data and video port | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | 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:

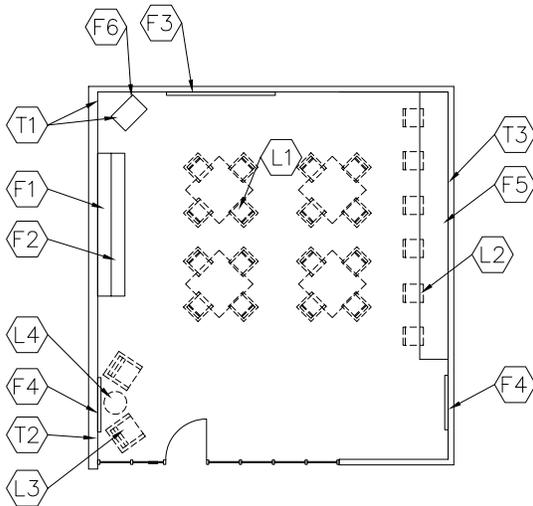
1. Finishes/Features: Refer to Chapter 9 for specification references. Optional: moveable cabinets
2. Fixed casework and loose furnishings can also be all fixed casework or all loose furnishings.

CHAPTER 6: HIGH SCHOOL

300 SF



700 SF



CAPACITY:
SIZE:

6 - 16 persons
300 - 700 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:

- Uniform lighting
- 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.

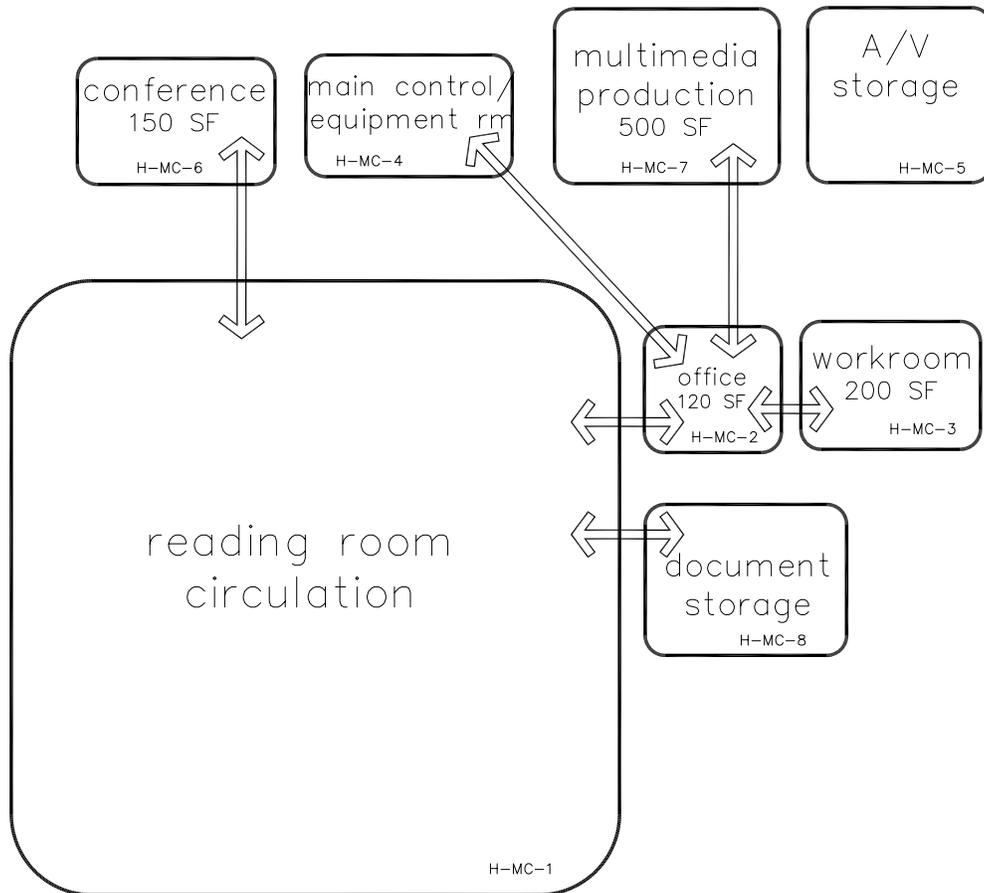
**CAREER CENTER
H-AD-17**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--------------------------------|-------------------------|---|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Carpet <i>or</i> Carpet Tile | 096816 096813 | F1 8'-16' display cabinets | 123550 |
| <u>Base:</u> | | F2 About 9' base cabinets | 123550 |
| Resilient | 096500 | F3 6'-8' of chalk/marker board (optional) | 101100 |
| <u>Ceiling:</u> | | F4 6'-8' of tack board or tackable wall surface | 101100 |
| Suspended, acoustical | 095113 | F5 Workstation | 123550 |
| <u>Walls:</u> | | F6 Technology support casework | 123550 |
| Painted concrete masonry units | 042000/099100 | <u>Fire Suppression:</u> | |
| | | 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 8600-4 | |
| | | 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.

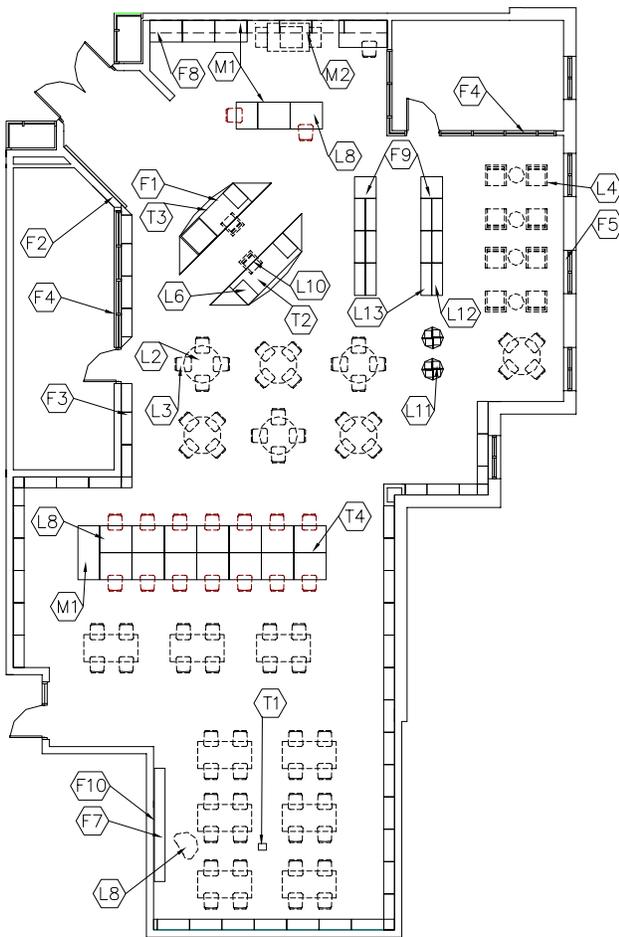
Following are the Media Center space plates:

- 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 A/V Storage
- H-MC-6 Conference Room
- H-MC-7 Multimedia Production Room
- H-MC-8 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:

- Uniform lighting
- Natural light opening with an operable vent
- Environmental sound control -
 wall minimum STC 50
 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.

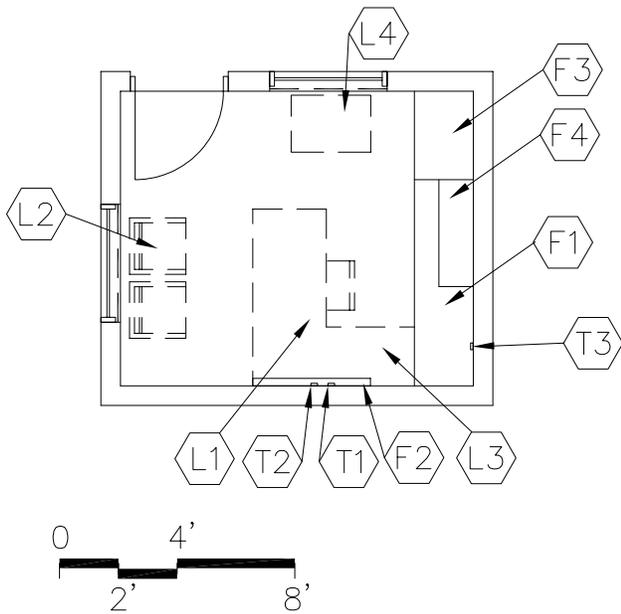
**READING ROOM/CIRCULATION
H-MC-1**

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 | F1 Circulation desk casework | 123550 |
| | 096813 | F2 6'-10' of tack board or tackable wall surface | 101100 |
| <u>Base:</u> | | F3 Library book shelving (<i>see notes</i>) | 115123 |
| Resilient base | 096500 | F4 Interior windows | 081113/088000 |
| | | F5 Windows with integral blinds or shades | 085113 |
| <u>Ceiling:</u> | | F6 Pencil sharpener support (optional) | 062000 |
| Suspended, acoustical | 095113 | F7 6'-10' of chalk/marker board | 101100 |
| | | F8 Technology support casework | 123550 |
| <u>Walls:</u> | | F9 Search station terminals | 123550 |
| Painted concrete masonry units | 042000/099100 | F10 Projection screen (optional) | 115213 |
| Acoustical wall treatment | 098000 | Roller window shades (optional) | 122413 |
| <u>LOOSE FURNISHINGS</u> ² : | | <u>Fire Suppression:</u> | |
| L1 Mobile book carts | | Fire suppression system | 211000 |
| L2 Student tables | | <u>Plumbing:</u> | |
| L3 Student chairs | | N/A | |
| L4 Casual seating chairs | | <u>HVAC:</u> | |
| L5 Study carrels (optional) | | Supply/return air system | Div. 23 |
| L6 (3) Desk height file cabinets | | Independent temperature control | 230923 |
| L7 Atlas stand (optional) | | <u>Electrical:</u> | |
| L8 Computer workstation furniture | | Fluorescent lighting: | 265100 |
| L9 Dictionary stand (optional) | | Illumination level: See Table 8600-4 | |
| L10 Circulation desk task chair | | Multilevel switching | 262726 |
| L11 Paperback book racks | | 10 duplex receptacles | 262726 |
| L12 Newspaper racks | | Double duplex receptacle adjacent to each data and video port | 262726 |
| L13 Magazine display | | Emergency lighting per code | 265100 |
| Wastebaskets | | Means of egress lighting per code | 265100 |
| Pencil sharpener (optional) | | <u>Communications:</u> | |
| | | T1 1 video port and video display device | 271533/271543/274119 |
| | | T2 1 voice port and phone at circulation desk | 271513/273113 |
| | | T3 2 data ports for media center automation system | 271513 |
| | | T4 4 data ports for student use | 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 owner: | |
| | | M1 2 printers: 1 at circulation desk and 1 in student work area | |
| | | M2 Copier | |

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.**



CAPACITY: 1 - 3 persons
 SIZE: 120 SF

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:

- Uniform lighting
- 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.

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

CHAPTER 6: HIGH SCHOOL

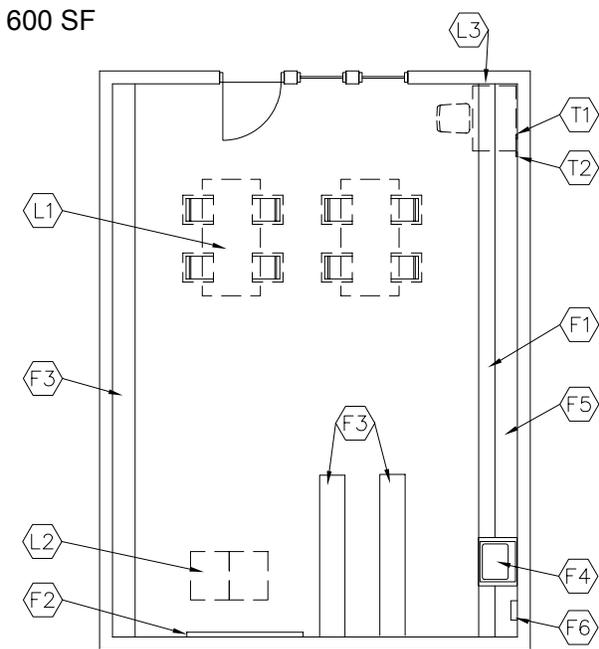
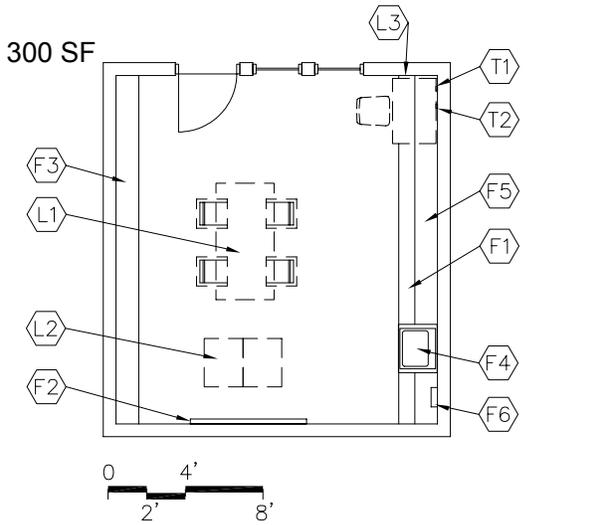
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--------------------------------|-------------------------|---|----------------|
| <u>Flooring:</u> | | | |
| Carpet <i>or Carpet Tile</i> | 096816 096813 | <u>Fixed Items:</u> F1 Work surface with file drawers | 123550 |
| | | F2 4' of tack board or tackable wall surface | 101100 |
| <u>Base:</u> | | | |
| Resilient base | 096500 | F3 2' of tall wardrobe | 123550 |
| | | F4 Wall cabinets | 123550 |
| <u>Ceiling:</u> | | | |
| Suspended, acoustical | 095113 | F5 Bookcases (optional) | 123550 |
| <u>Walls:</u> | | | |
| Painted concrete masonry units | 042000/099100 | <u>Fire Suppression:</u> Fire suppression system | 211000 |
| <u>LOOSE FURNISHINGS:</u> | | | |
| L1 Desk and chair | | <u>Plumbing:</u> N/A | |
| L2 Visitor chairs | | <u>HVAC:</u> Supply/return air system | Div. 23 |
| L3 Computer desk return | | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| L4 File cabinet | | <u>Electrical:</u> Single level switching | 262726 |
| Wastebasket | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to data and video port | 262726 |
| | | <u>Communications:</u> T1 1 voice port and phone | 271513/273113 |
| | | 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



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

PROGRAM ACTIVITIES:

- Space for receiving, processing, and repairing media material

SPATIAL RELATIONSHIPS:

- Near reading room/circulation
- Near media specialist office

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

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

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

CHAPTER 6: HIGH SCHOOL

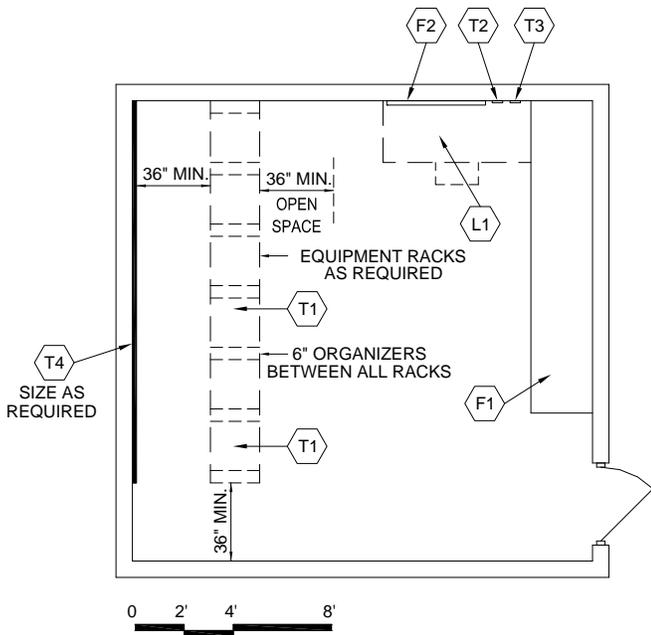
| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|--------------------------------|----------------------|---|----------------------|
| Flooring: | | <u>Fixed Items</u> ² : | |
| Vinyl composition tile | 096500 | F1 13'-25' of base cabinets or combination with tall cabinets | 123550 |
| Base: | | F2 4'-8' of tack board | 101100 |
| Resilient base | 096500 | F3 16'-60' of bookcases | 123550 |
| Ceiling: | | F4 3' sink base cabinet | 123550 |
| Suspended, acoustical | 095113 | F5 13'-28' of wall cabinets | 123550 |
| Walls: | | F6 Towel dispenser | 102813 |
| Painted concrete masonry units | 042000/099100 | <u>Fire Suppression:</u> | |
| <u>LOOSE FURNISHINGS:</u> | | Fire suppression system | 211000 |
| L1 Table and chairs | | <u>Plumbing:</u> | |
| L2 Book trucks | | Sink | 224000 |
| L3 Computer workstation | | Plumbing connections | 224000/221116/221119 |
| Wastebasket | | <u>HVAC:</u> | |
| | | Supply/return air system | Div. 23 |
| | | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 3 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to each data port | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | 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.

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

CHAPTER 6: HIGH SCHOOL



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

CAPACITY: N/A
 SIZE: 300 - 400 SF

NOTES:

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

**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> | |
| Vinyl composition tile, <i>ET</i> , or sheet vinyl | 096500 | F1 8'-16' of open shelving, depth may vary (fixed or loose) | 123550 |
| Base: | | F2 4' of tack 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 8600-4 | |
| | | 3 duplex receptacles | 262726 |
| | | Duplex receptacle for electronic systems | 262726 |
| | | Telecommunications Grounding | 270526/260526 |
| | | <u>Communications:</u> | |
| | | T1 Technology Equipment | |
| | | Central sound system | 275123 |
| | | Telephone wiring | 271313/271513 |
| | | Integrated telephone system | 273113 |
| | | Video wiring | 271333/271533/271543 |
| | | Digital on demand delivery system | 274125 |
| | | Local area network wiring | 271513/271323 |
| | | Local area network electronics | 272100 |
| | | Grounding & Infrastructure Equipment | 270526/271100 |
| | | T2 1 voice port and phone | 271513/273113 |
| | | 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. | |

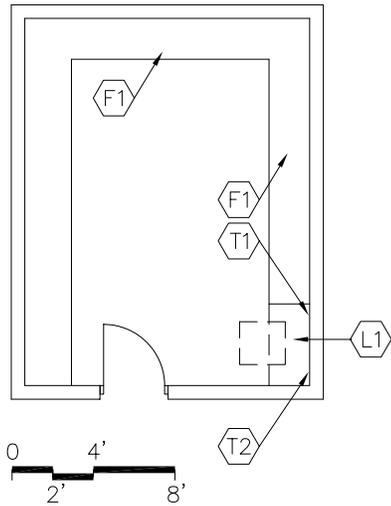
NOTES:

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

**A/V STORAGE
H-MC-5**

CHAPTER 6: HIGH SCHOOL

250 SF



PROGRAM ACTIVITIES:

- Storage of audio/video (A/V) equipment

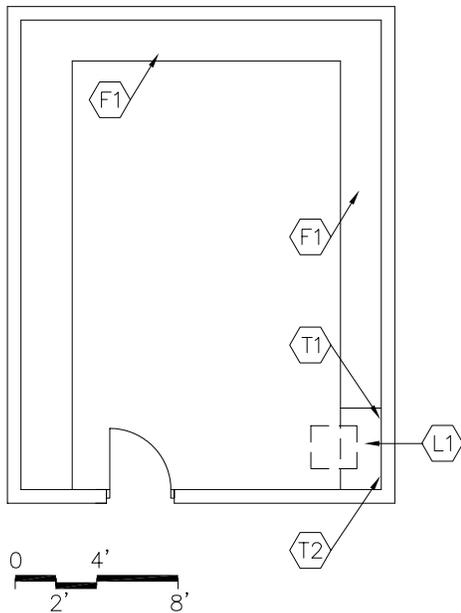
SPATIAL RELATIONSHIPS:

- Near media specialist office
- Near workroom/storage

ENVIRONMENTAL CONSIDERATIONS:

N/A

400 SF



CAPACITY:

N/A

SIZE:

250 - 550 SF

NOTES:

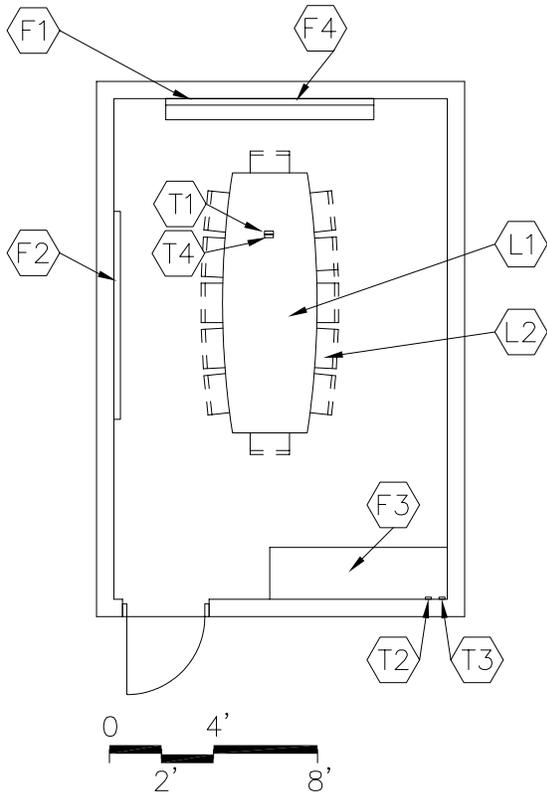
A/V STORAGE
H-MC-5

CHAPTER 6: HIGH SCHOOL

| | Spec. Ref.# | | Spec. Ref.# |
|--------------------------------|----------------------|---|----------------|
| <u>FINISHES¹:</u> | | <u>FEATURES¹:</u> | |
| Flooring: | | <u>Fixed Items³:</u> | |
| Vinyl composition tile | 096500 | F1 8' – 26' of open shelving, depths may vary (fixed or loose) | 123550 |
| Base: | | Option: mobile storage shelving | 105626 |
| 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> | | To be determined by Design Professional | |
| L1 Desk and chair | | <u>Electrical:</u> | |
| Wastebasket | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 4 duplex receptacles (minimum) | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | T2 1 data port near workstation | 271513 |
| | | 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.
2. Ranges shown indicate quantities for the smallest and largest possible room size.



PROGRAM ACTIVITIES:

- Used primarily by students for group projects

SPATIAL RELATIONSHIPS:

- Near reading room/circulation

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 8 - 12 persons
SIZE: 250 SF

NOTES:

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

**CONFERENCE ROOM
H-MC-6**

CHAPTER 6: HIGH SCHOOL

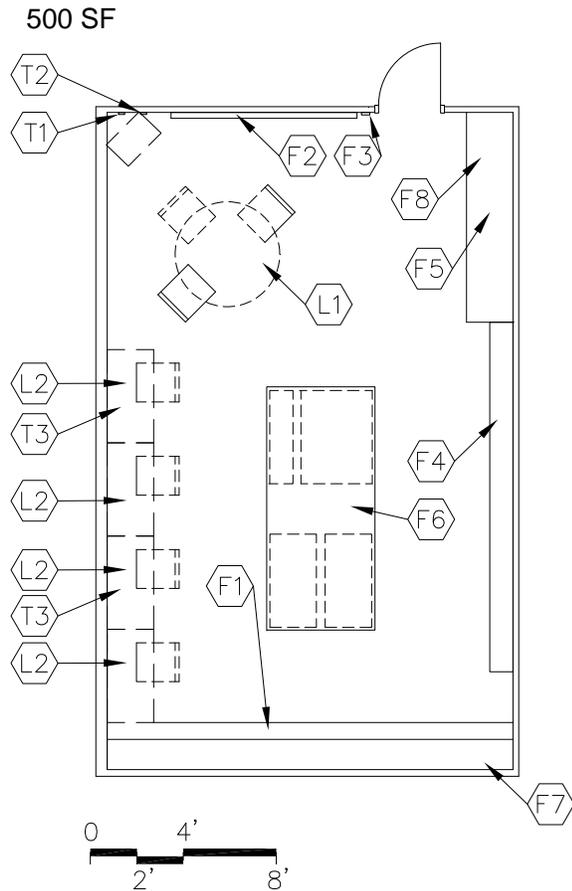
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--------------------------------|-------------------------|--|----------------|
| <u>Flooring:</u> | | <u>Fixed Items²:</u> | |
| Carpet <i>or</i> Carpet Tile | 096816 096813 | F1 8'-10' of chalk/marker board | 101100 |
| Base: | | F2 6'-8' of tack board | 101100 |
| Resilient base | 096500 | F3 4'-6' of base cabinets (optional) (fixed or mobile) | 123550 |
| Ceiling: | | F4 Projection screen (optional) | 115213 |
| 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> | |
| 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 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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-7

CHAPTER 6: HIGH SCHOOL



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:

- Uniform lighting
- Environmental sound control –
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**

CAPACITY: 5 - 7 persons
SIZE: 500 - 800 SF

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-7**

CHAPTER 6: HIGH SCHOOL

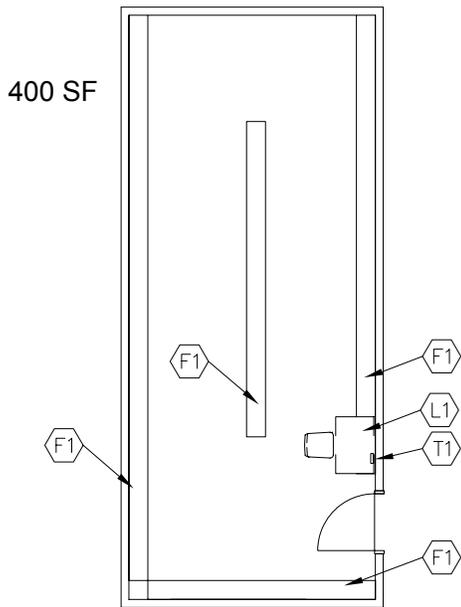
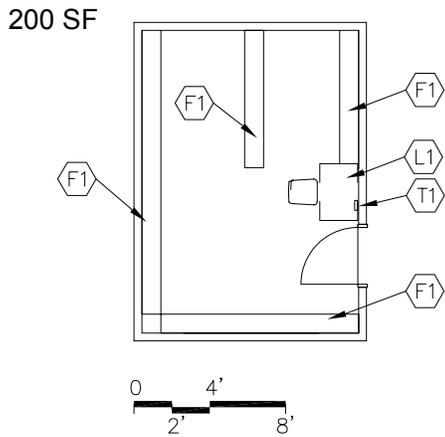
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|------------------|--|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items²:</u> | |
| Vinyl composition tile, linoleum, <i>ET</i> , sheet vinyl, or rubber | 096500 096516 | F1 6'-18' of base cabinets with different types of storage | 123550 |
| <u>Base:</u> | | F2 4'-8' of tack board | 101100 |
| Resilient base | 096500 | F3 Pencil sharpener support (optional) | 062000 |
| <u>Ceiling:</u> | | F4 4' - 16' of tall bookcases | 123550 |
| Suspended, acoustical | 095113 | F5 3' - 9' of tall cabinets | 123550 |
| <u>Walls:</u> | | F6 Work surface | 123550 |
| Painted concrete masonry units | 042000/099100 | F7 6'-18' of wall cabinets | 123550 |
| | | 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 | |
| Pencil sharpener (optional) | | <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 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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> | |
| | | 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-8**

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.

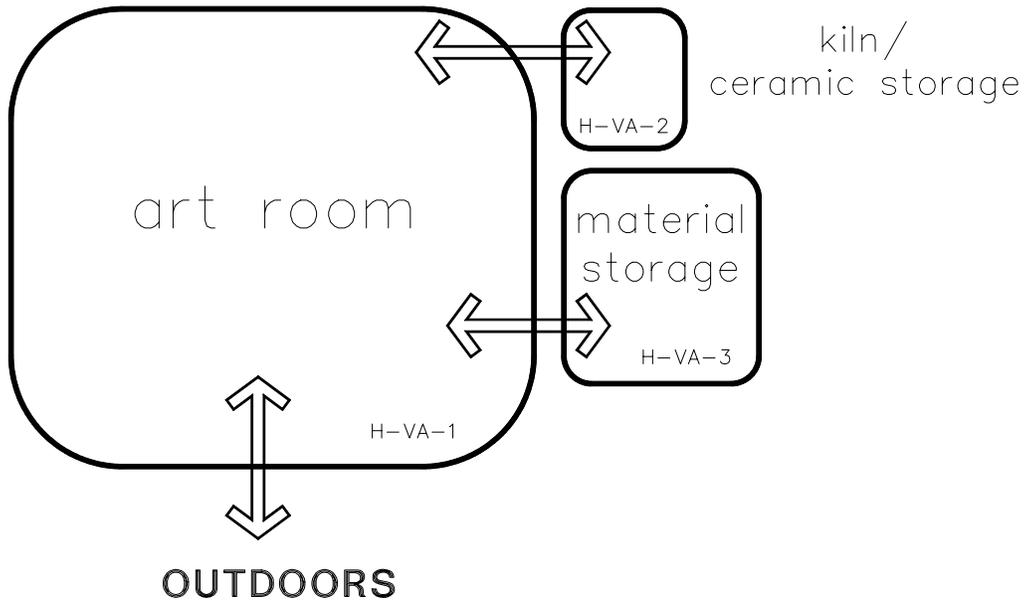
DOCUMENT STORAGE
H-MC-8

CHAPTER 6: HIGH SCHOOL

| | Spec. Ref.# | | Spec. Ref.# |
|--------------------------------|-----------------------|---|----------------|
| <u>FINISHES</u> ¹ : | | <u>FEATURES</u> : | |
| Flooring: | | <u>Fixed Items</u> ² : | |
| Vinyl composition tile | 096500 | F1 36' – 80' of open shelving (fixed or loose) | 123550 |
| Base: | | Option: mobile storage shelving | 105626 |
| Resilient base | 096500 | | |
| 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 Computer worksurface | | To be determined by Design Professional | |
| | | Supplemental heat as required | Div. 23 |
| | | <u>Electrical</u> : | |
| | | Fluorescent lighting: | 265100 |
| | | Illumination level: See Table 8600-10 | |
| | | Single level switching | 262726 |
| | | 2 duplex receptacles | 262726 |
| | | <u>Communications</u> : | |
| | | T1 1 data port (optional) | 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.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

**NOTE:**

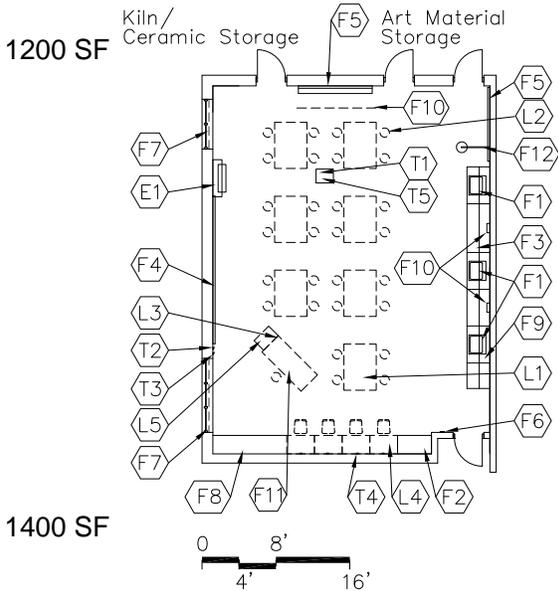
This is an example of how the visual arts spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various areas of the building.

Following are the Visual Art space plates:

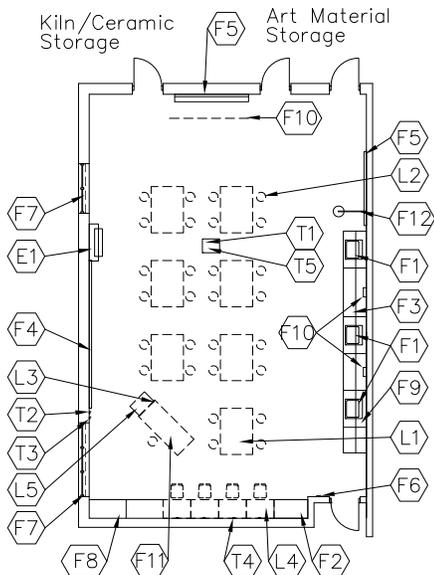
- H-VA-1 Art Room
- H-VA-2 Kiln/Ceramic Storage
- H-VA-3 Art Material Storage

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CHAPTER 6: HIGH SCHOOL



1200 SF



1400 SF

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:

- Uniform lighting
- Natural lighting opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control - wall minimum STC 50 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> | |
| Vinyl composition tile, linoleum, | 096516 | F1 3'-4' sink base cabinet with wall cabinets | 123550 |
| <i>ET</i> , sheet vinyl, rubber, | 096500 | above or wash fountains | 123550 |
| <i>polished concrete finishing,</i> | 033510 | F2 3' of tall wardrobe with file drawers | 123550 |
| <i>or colored concrete finishing</i> | 033519 | F3 10'-12' of base and wall cabinets | 123550 |
| | | F4 10'-20' of tack board | 101100 |
| | | F5 12'-16' of chalk/marker board | 101100 |
| | | F6 Pencil sharpener support | 062000 |
| <u>Base:</u> | | F7 Windows with integral blinds | 085113 |
| Resilient base | 096500 | F8 6'-10' of tall storage cabinets | 123550 |
| | | F9 Towel dispenser | 102813 |
| <u>Ceiling:</u> | | F10 Projection screen (optional) | 115213 |
| Suspended, acoustical | 085113 | F11 Technology support casework | 123550 |
| | | F12 Emergency eyewash | 224000 |
| <u>Walls:</u> | | <u>Fire Suppression:</u> | |
| Painted concrete masonry units | 042000/099100 | Fire suppression system | 211000 |
| | | <u>Plumbing:</u> | |
| <u>LOOSE FURNISHINGS:</u> | | Sinks with solids interceptor | 224000 |
| L1 Student work tables | | Plumbing connections 224000/221116/221119 | 224000 |
| L2 Student chairs or stools | | Emergency eyewash connections | 224000 |
| L3 Teacher desk and chair and teacher | | <u>HVAC:</u> | |
| computer support | | Supply/return air system | Div. 23 |
| L4 Computer workstation furniture | | Independent temperature control | 230923 |
| L5 Desk height file cabinet | | Manually controlled general exhaust | Div. 23 |
| Wastebasket | | <u>Electrical:</u> | |
| Pencil sharpener | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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>EQUIPMENT</u> | | <u>Communications:</u> | |
| E1 Drying rack | | T1 1 video port | 271533/271543 |
| | | T2 1 voice port and phone | 271513/273113 |
| | | T3 1 data port | |
| | | near teacher workstation | 271513 |
| | | T4 4 data ports (minimum) | |
| | | for student use | 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> | |
| | | Potter wheels by owner | |

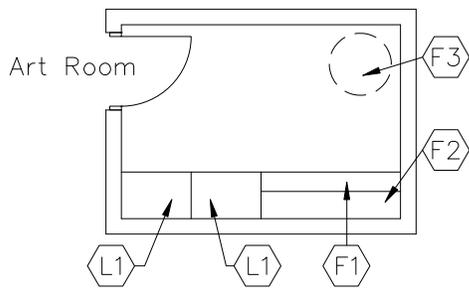
NOTES:

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.

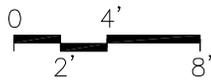
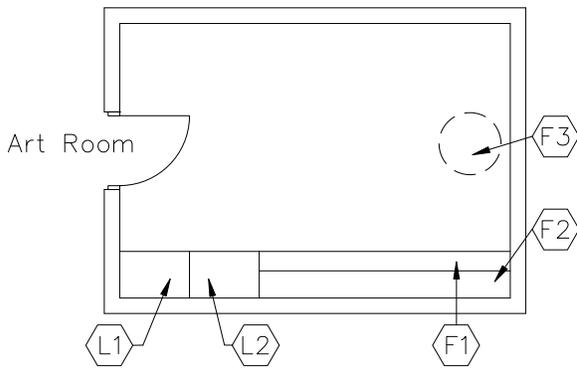
**KILN/CERAMIC STORAGE
H-VA-2**

CHAPTER 6: HIGH SCHOOL

100 SF



200 SF



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:

- Uniform lighting
- Ventilation controlled by a thermostat

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

NOTES:

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

CHAPTER 6: HIGH SCHOOL

| | Spec. Ref.# | | Spec. Ref.# |
|--|--------------------------|---|----------------|
| <u>FINISHES</u>¹: | | <u>FEATURES</u>¹: | |
| Flooring: | | <u>Fixed Items:</u> | |
| <i>Polished concrete finishing, or colored concrete finishing</i> | 033510 033519 | F1 4'-6' of base cabinets | 123550 |
| | | F2 4'-6' of wall cabinets | 123550 |
| | | F3 Kiln | 119200 |
| 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 | Temperature controlled exhaust | Div. 23 |
| | | Ventilation for kiln | Div. 23 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Electrical:</u> | |
| L1 Tall dry storage units | | Single level switching | 262726 |
| L2 Tall damp storage units | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| L1 and L2 could be fixed casework. | | 1 duplex receptacle | 262726 |
| | | Electrical connection for kiln | 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:

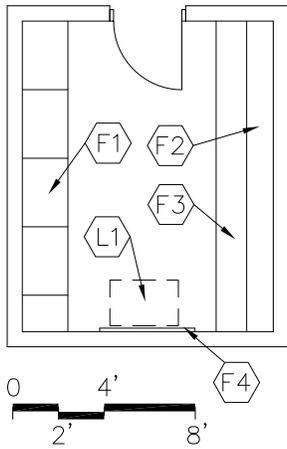
1. Finishes/Features: Refer to Chapter 9 for specification references.

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

CHAPTER 6: HIGH SCHOOL

200 SF

Art Room



PROGRAM ACTIVITIES:

- Storage of art supplies and materials

SPATIAL RELATIONSHIPS:

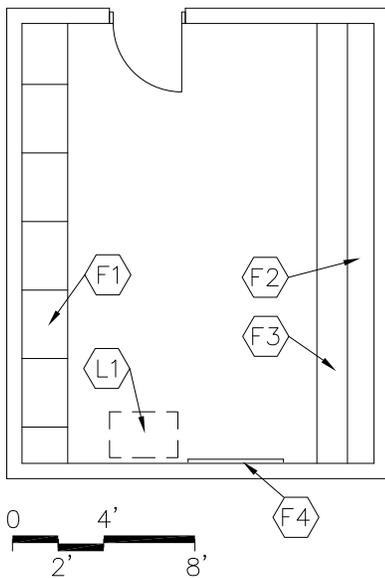
- Adjacent to art room

ENVIRONMENTAL CONSIDERATIONS:

- Stain-resistant floor covering

300 SF

Art Room



CAPACITY:

N/A

SIZE:

200 - 400 SF

ANCILLARY SPACES:

Art Room

H-VA-1

NOTES:

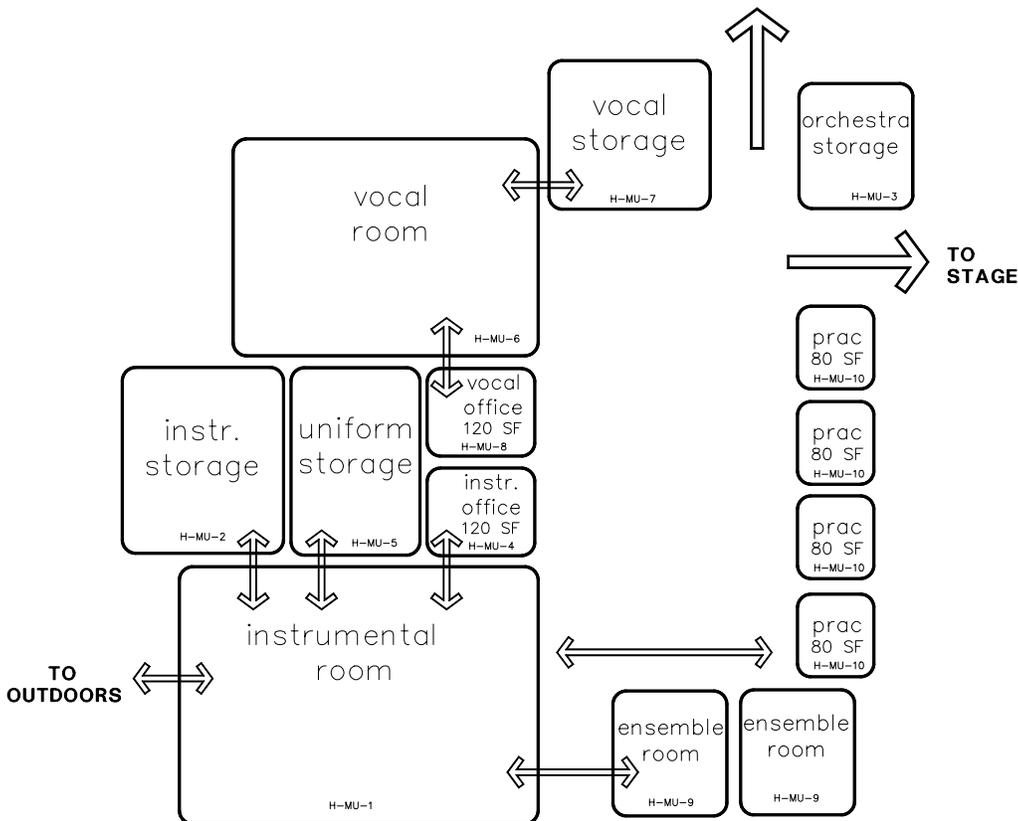
**ART MATERIAL STORAGE
H-VA-3**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|----------------|--|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Vinyl composition tile, ET , sheet | 096500 | F1 12'-20' tall storage cabinets | 123550 |
| vinyl, polished concrete | 033510 | F2 12'-20' base cabinets | 123550 |
| finishing, or colored concrete | 033519 | (depth for school's need) | |
| finishing | | F3 12'-20' wall cabinets | 123550 |
| | | F4 Tackboard (optional) | 101100 |
| <u>Base:</u> | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | N/A | |
| <u>Walls:</u> | | <u>HVAC:</u> | |
| Painted concrete masonry unit | 042000/099100 | Exhaust air system | Div. 23 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Electrical:</u> | |
| L1 Mobile materials cart | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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.



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:

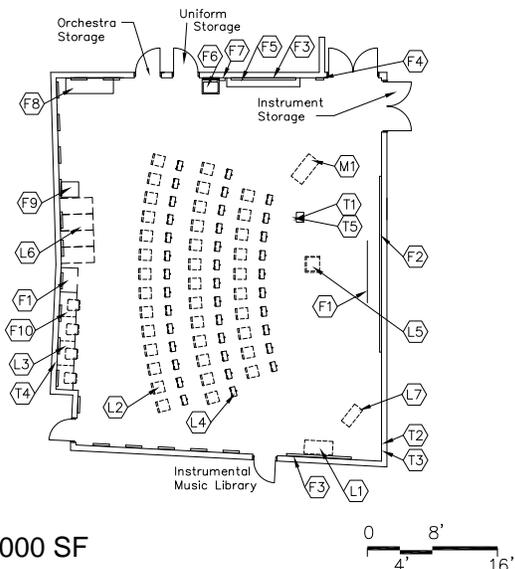
- H-MU-1 Instrumental Room
- H-MU-2 Instrument Storage
- H-MU-3 Orchestra Storage
- H-MU-4 Instrumental Music Library
- H-MU-5 Uniform Storage
- H-MU-6 Vocal Room
- H-MU-7 Vocal Storage
- H-MU-8 Vocal Music Library
- H-MU-9 Ensemble Room
- H-MU-10 Practice Room

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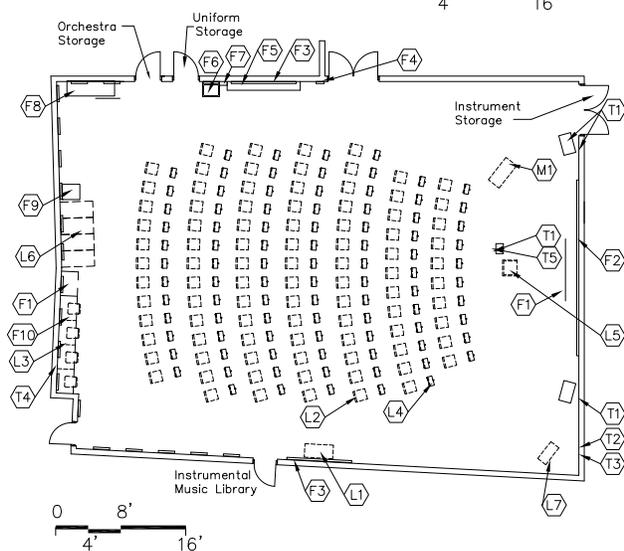
**INSTRUMENTAL ROOM
H-MU-1**

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:

- Uniform lighting
- 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, vinyl composition tile, | 096500 | F1 Projection screen (optional) | 115213 |
| linoleum, rubber, ET , | 096516 | F2 8'-16' of chalk/marker board | |
| or sheet vinyl | 096816 | with staff lines | 101100 |
| <u>Base:</u> | | F3 4'-16' of tack board | 101100 |
| Resilient | 096500 | F4 Pencil sharpener support | 062000 |
| <u>Ceiling:</u> | | F5 4'-9' of bookcases (see note 3) | 123550 |
| Suspended, acoustical | 095113 | F6 3' sink base cabinet | 123550 |
| <u>Walls:</u> | | F7 Towel dispenser | 102813 |
| Painted concrete masonry units | | F8 Wardrobe (optional in storage room) | |
| 042000/099100 | | F9 Stereo cabinet (optional) | |
| Acoustical wall treatment | | F10 Technology support casework | 123550 |
| (varies with geometry of room) | 098000 | | |
| absorptive 25%, reflective 25%, | | <u>Fire Suppression:</u> | |
| diffusive 50% | | Fire suppression system | 211000 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Plumbing:</u> | |
| L1 Mobile sheet music cabinet | | Sink, 10" deep | 224000 |
| L2 Music chairs and caddies | | <u>HVAC:</u> | |
| L3 Computer workstation furniture | | Supply/return air system | Div. 23 |
| L4 Music stands | | Independent temperature control | 230923 |
| L5 Conducting podium | | <u>Electrical:</u> | |
| L6 Mobile percussion instrument storage | | Fluorescent lighting: | 265100 |
| cabinet | | Illumination level: see table 8600-4 | |
| L7 Teacher workstation | | Multilevel switching | 262726 |
| Wastebasket | | 6 duplex receptacles | 262726 |
| Pencil sharpener | | 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 1 video port | 271533/271543 |
| | | T2 1 voice port and phone | 271513/273113 |
| | | T3 1 data port | 271513 |
| | | T4 4 data ports for student use | 271513 |
| | | Clock | 275313 |
| | | Central sound system | 275123 |
| | | High school music sound system | 275126 |
| | | T5 Overhead projector | 274119 |
| | | <u>Electronic Safety and Security:</u> | |
| | | Life safety devices per code | 283111 |
| | | <u>Miscellaneous:</u> | |
| | | Doors are to have acoustic trim accessories or | |
| | | sound doors. | |
| | | The following items are to be funded by the school | |
| | | district: | |
| | | M1 Piano | |

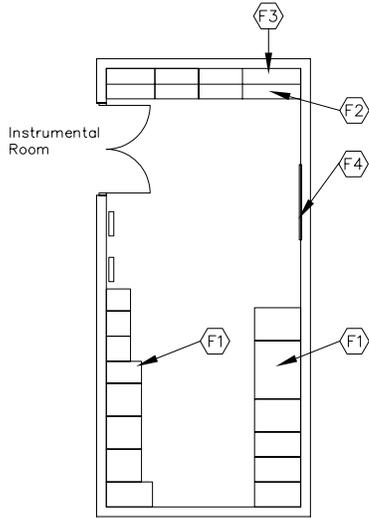
NOTES:

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



PROGRAM ACTIVITIES:

- Storage of band instruments

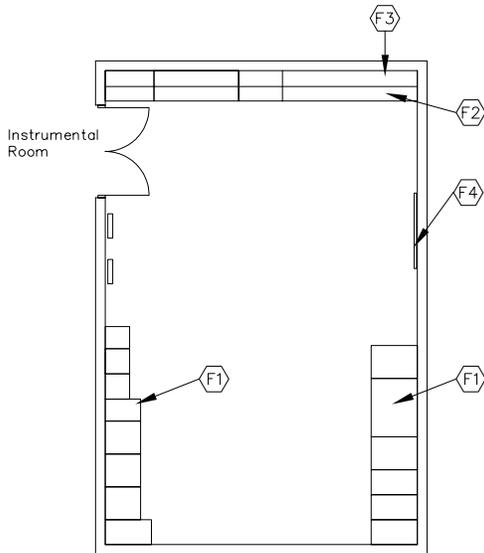
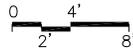
SPATIAL RELATIONSHIPS:

- 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

700 SF



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

NOTES:

INSTRUMENT STORAGE
H-MU-2

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES:</u> | Spec. Ref.# |
|--------------------------------|-----------------------|---|----------------------|
| Flooring: | | <u>Fixed Items²:</u> | |
| Vinyl composition tile | 096500 | 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 8600-4 | |
| | | 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 | |

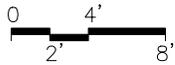
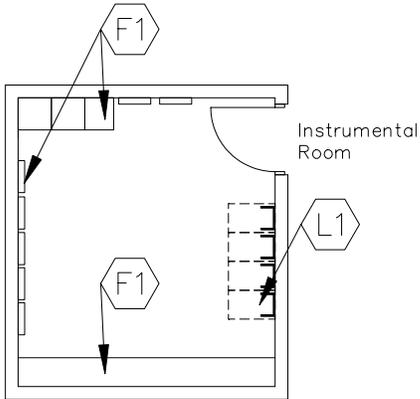
NOTES:

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

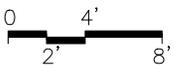
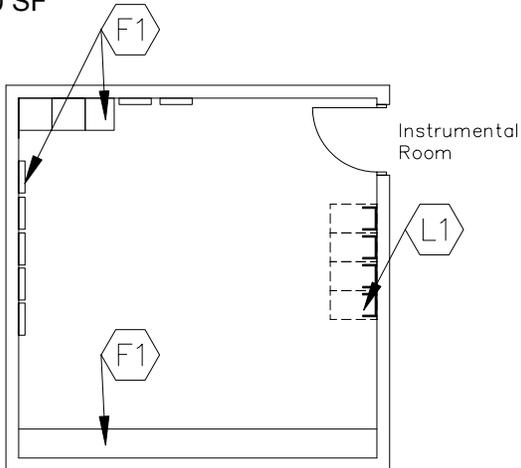
**ORCHESTRA STORAGE
H-MU-3**

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

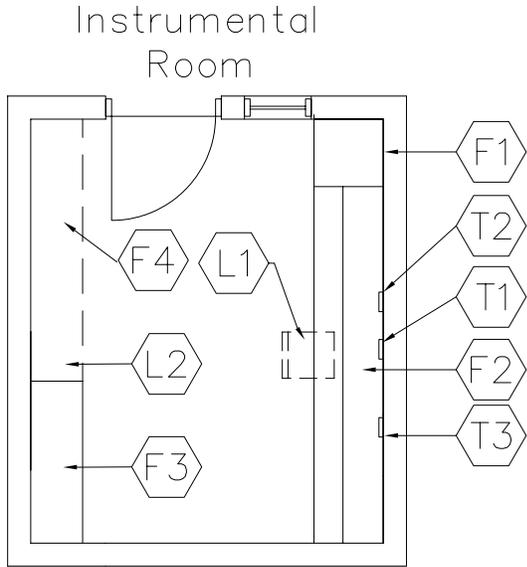
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES:</u> | Spec. Ref.# |
|--------------------------------|-----------------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Vinyl composition tile | 096500 | F1 Miscellaneous instrument storage Cabinets and racks | 123550 |
| Base: | | <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 Carts for large instruments | | Fluorescent lighting: | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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.

**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:

- Uniform lighting
- 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**

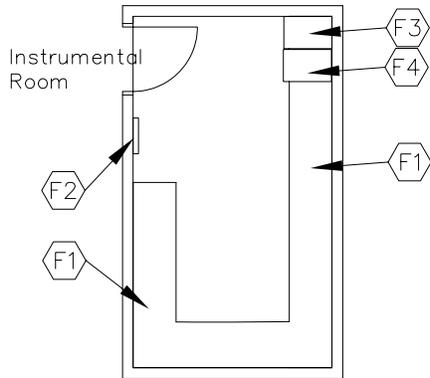
CHAPTER 6: HIGH SCHOOL

| | Spec. Ref.# | | Spec. Ref.# |
|--|----------------------|---|------------------|
| <u>FINISHES¹:</u> | | <u>FEATURES¹:</u> | |
| Flooring: | | <u>Fixed Items:</u> | |
| Carpet | 096816 | F1 2' tall wardrobe | 123550 |
| Base: | | F2 Work surface with file drawers | 123550 |
| Resilient base | 096500 | F3 2'-4' tall storage cabinet (optional) | 123550 |
| Ceiling: | | F4 Shelving or mobile music storage shelving | 123550 105626 |
| Suspended, acoustical | 095113 | F5 4' of tack board (optional) | 101100 |
| Walls: | | <u>Fire Suppression:</u> | |
| Painted gypsum wallboard over metal studs | 092116/099100 | Fire suppression system | 211000 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Plumbing:</u> | |
| L1 Chair | | N/A | |
| L2 Sheet music storage | | <u>HVAC:</u> | |
| Wastebasket | | Supply/return air system | Div. 23 |
| | | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to data and video port | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | 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.

150 SF



PROGRAM ACTIVITIES:

- Storage of instrumental uniforms

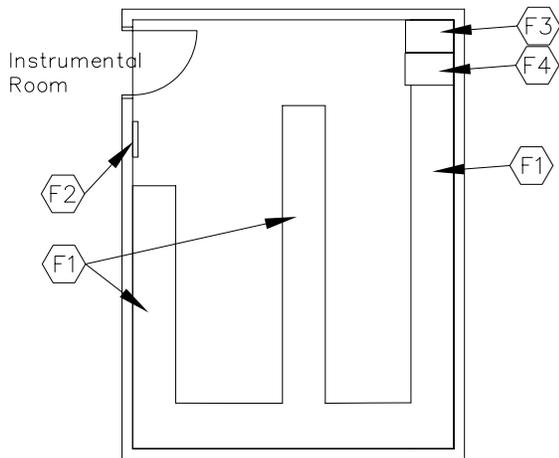
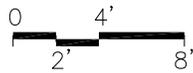
SPATIAL RELATIONSHIPS:

- Adjacent to instrumental room

ENVIRONMENTAL CONSIDERATIONS:

N/A

300 SF



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 : | |
| Vinyl composition tile | 096500 | 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 8600-4 | |
| | | 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 | |

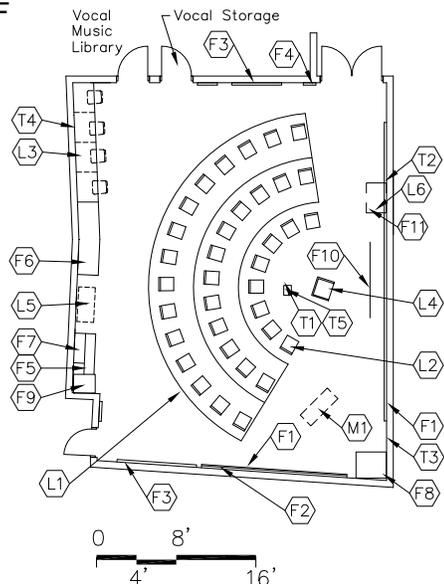
NOTES:

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

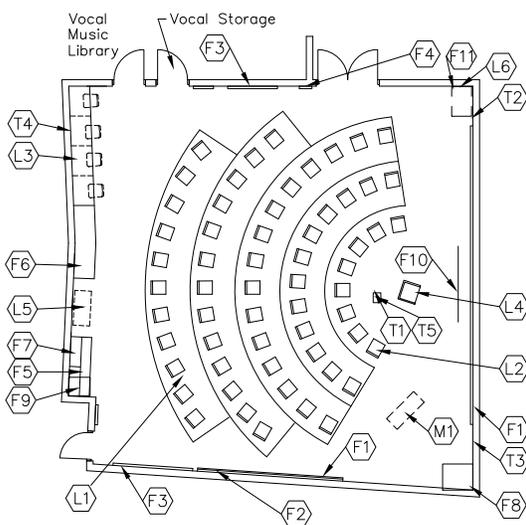
**VOCAL ROOM
H-MU-6**

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:

- Uniform lighting
- 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 | 096816 | F2 8'-16' of chalk/marker board with staff lines (optional) | 101100 |
| Optional: vinyl composition tile, linoleum, rubber, <i>ET</i> , or sheet vinyl | 096500 096516 | F3 8'-16' of tack board | 101100 |
| Base: | | F4 Pencil sharpener support | 062000 |
| Resilient | 096500 | F5 4'-6' of base cabinets (optional) | 123550 |
| Ceiling: | | F6 3'-6' of tall storage cabinet | 123550 |
| Suspended acoustical | 095113 | F7 4'-6' of wall cabinets (optional) | 123550 |
| Absorptive 25%, reflective 25%, diffusive 50% | | F8 Stereo cabinet (optional) | 123550 |
| Walls: | | F9 3' of 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: | |
| Pencil sharpener | | Fluorescent lighting: | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | Multilevel switching | 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 |
| | | Communications: | |
| | | T1 2 video ports | 271533/271543 |
| | | T2 1 voice port and phone | 271513/273113 |
| | | T3 1 data port | 271513 |
| | | T4 4 data ports for student use | 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 |
| | | Miscellaneous: | |
| | | Gasketing on doors or sound doors | |
| | | The following item is to be funded by the owner: | |
| | | M1 Piano & electronic keyboard(s) | |

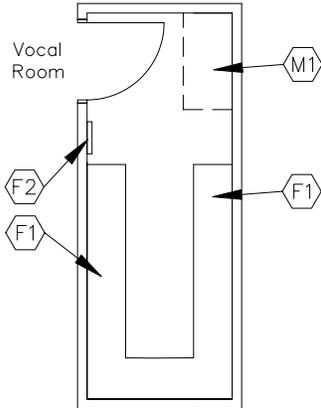
NOTES:

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

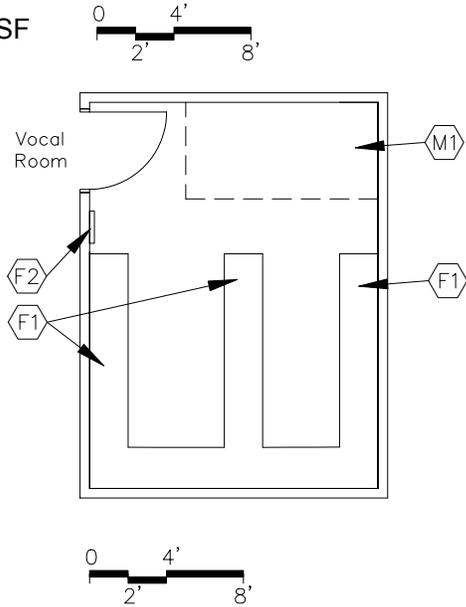
SPATIAL RELATIONSHIPS:

- 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

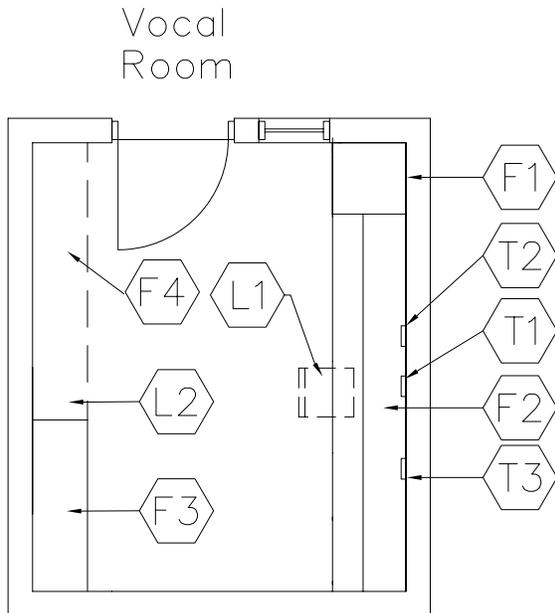
| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> : | Spec. Ref.# |
|--------------------------------|----------------------|--|----------------|
| Flooring: | | <u>Fixed Items</u> ² : | |
| Vinyl composition tile | 096500 | F1 20'-40' of high robe storage cabinets | 123550 |
| | | F2 20" x 60" mirror (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 8600-4 | |
| | | 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:

- Uniform lighting
- 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

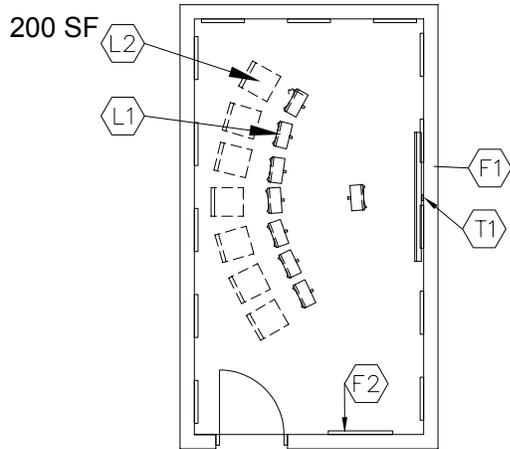
| | Spec. Ref.# | | Spec. Ref.# |
|--|----------------------|---|------------------|
| <u>FINISHES¹:</u> | | <u>FEATURES¹:</u> | |
| Flooring: | | <u>Fixed Items:</u> | |
| Carpet | 096816 | F1 2' tall wardrobe | 123550 |
| Base: | | F2 Work surface with file drawers | 123550 |
| Resilient base | 096500 | F3 2'-4' tall storage cabinet | 123550 |
| Ceiling: | | F4 Shelving or mobile storage shelving | 123550 105626 |
| Suspended, acoustical | 095113 | F5 4' of tack board (optional) | 101100 |
| Walls: | | <u>Fire Suppression:</u> | |
| Painted gypsum wallboard over metal studs | 092116/099100 | Fire suppression system | 211000 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Plumbing:</u> | |
| L1 Chair | | N/A | |
| L2 Sheet music storage | | <u>HVAC:</u> | |
| Wastebasket | | Supply/return air system | Div. 23 |
| | | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to data and video port | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | 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:

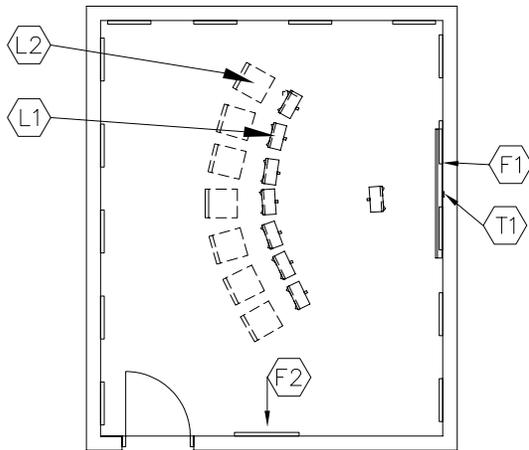
1. Finishes/Features: Refer to Chapter 9 for specification references.

**ENSEMBLE ROOM
H-MU-9**

CHAPTER 6: HIGH SCHOOL



300 SF



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:

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

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

NOTES:

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

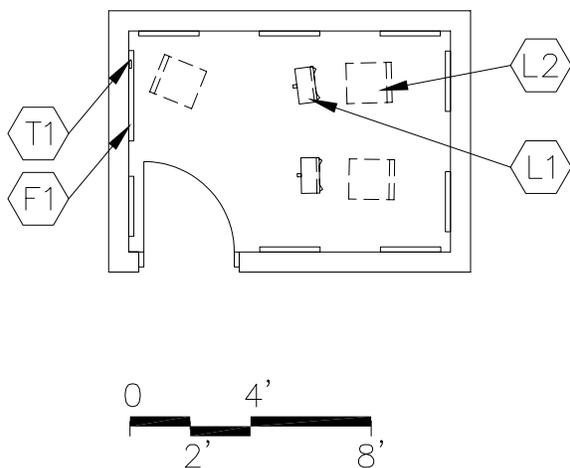
**ENSEMBLE ROOM
H-MU-9**

CHAPTER 6: HIGH SCHOOL

| | Spec. Ref.# | | Spec. Ref.# |
|---|----------------------|---|----------------|
| <u>FINISHES</u>¹: | | <u>FEATURES:</u> | |
| Flooring: | | <u>Fixed Items:</u> | |
| Carpet | 096816 | F1 4'-6' of marker board (optional) | 101100 |
| | | 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 8600-4 | |
| | | 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:

- Uniform lighting
- 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.

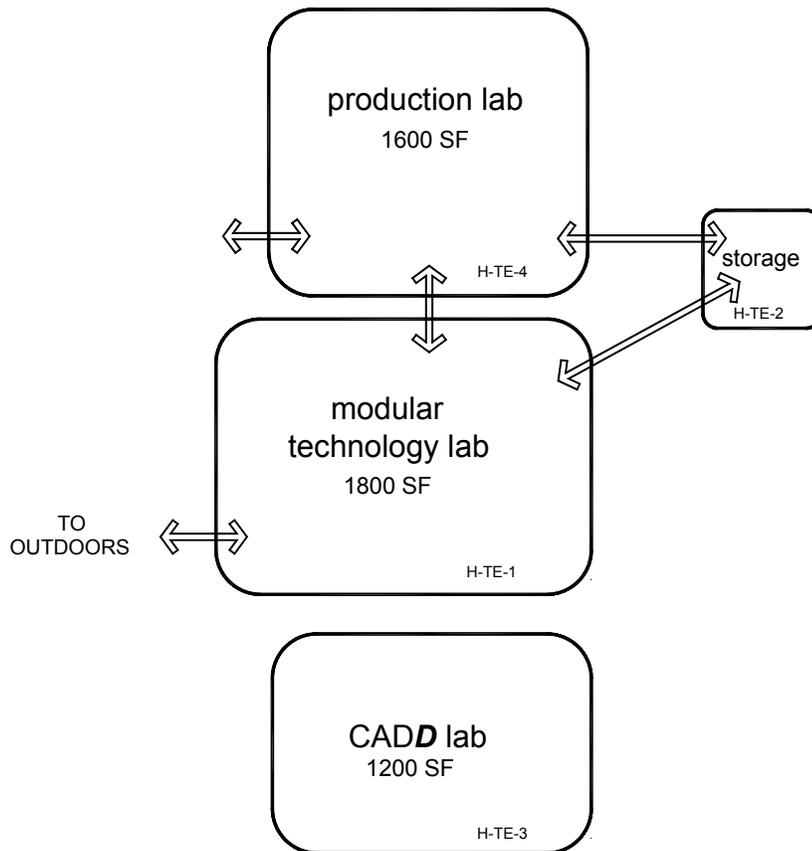
**PRACTICE ROOM
H-MU-10**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> | Spec. Ref.# |
|---|----------------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Carpet | 096816 | F1 3' wide x 5' high mirror mounted 12" above finish floor (optional) | 088300 |
| Base: | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| Ceiling: | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | N/A | |
| Absorptive 25%, reflective 25%, diffusive 50% | | <u>HVAC:</u> | |
| Walls: | | Supply/return air system | Div. 23 |
| Painted concrete masonry units | 042000/099100 | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| Acoustical wall treatment (varies with geometry of room) | 098000 | <u>Electrical:</u> | |
| <u>LOOSE FURNISHINGS:</u> | | Fluorescent lighting: | 265100 |
| L1 Music stands | | Illumination level: See Table 8600-4 | |
| L2 Music chairs | | Single level switching | 262726 |
| | | 2 duplex receptacles | 262726 |
| | | <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.

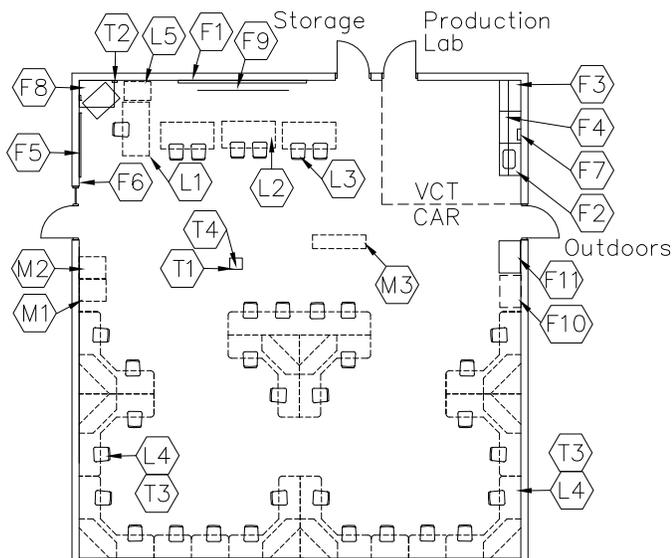
Following are the Technology Education space plates:

- 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:

- Uniform lighting with 80% visual comfort probability level
- Environmental sound control -
 wall minimum STC 50
 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: | | | |
| Vinyl composition tile, linoleum, rubber, ET , or sheet vinyl | 096500 | F1 8'-16' of chalk/marker board | 101100 |
| 4' width in front of cabinets | 096516 | F2 3' sink base cabinet | 123550 |
| Carpet | 096816 | F3 About 9' of wall cabinets | 123550 |
| | | F4 About 6' of base cabinet with heavy duty counter top | 123550 |
| | | F5 4'-10' of tack board | 101100 |
| | | F6 Pencil sharpener support | 062000 |
| Base: | | F7 Towel dispenser | 102813 |
| Resilient base | 096500 | F8 3' of tall wardrobe | 123550 |
| | | F9 Projection screen (optional) | 115213 |
| Ceiling: | | F10 Technology support casework | 123550 |
| Suspended, acoustical | 095113 | F11 Tall cabinet (optional) | 123550 |
| | | | |
| Walls: | | Fire Suppression: | |
| Painted concrete masonry units | 042000/099100 | Fire suppression system | 211000 |
| | | Plumbing: | |
| | | Sink, 12" deep | 224000 |
| | | Plumbing connections | 224000/221116/221119 |
| | | HVAC: | |
| LOOSE FURNISHINGS: | | Supply/return air system | Div. 23 |
| L1 Teacher desk/computer support and chair | | Independent temperature controls | 230923 |
| L2 Tables with heavy duty top | | Electrical: | |
| L3 Student stools/chairs | | Fluorescent lighting with parabolic lenses | 265100 |
| L4 Computer technology workstation | | Illumination level: See Table 8600-4 | |
| L5 File cabinet | | Multilevel switching | 262726 |
| Wastebasket | | 4 duplex receptacles | 262726 |
| Pencil sharpener | | 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 | 271513/273113 |
| | | 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: | | | |
| 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:

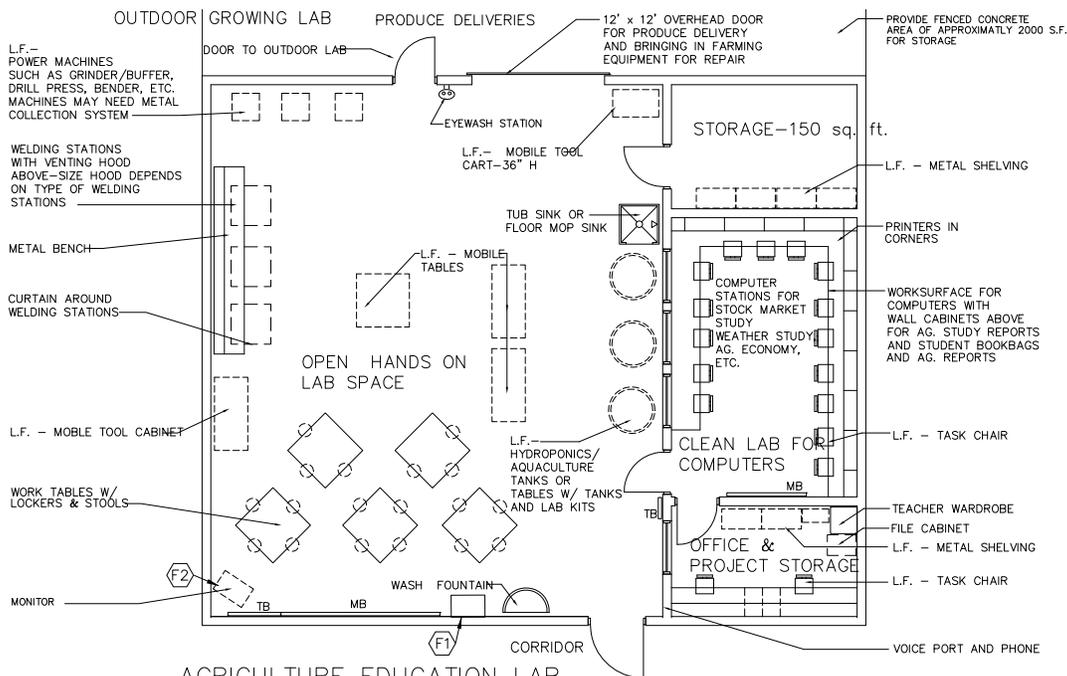
- Individual instruction in agriculture programs such as plant and animal science, soil management, natural resources and mechanical systems.
- Individual and group project work
- Equipment repair
- Small group meetings
- Lab activities related to curriculum

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting with 80% visual comfort probability level
- Environmental sound control- wall minimum STC 50 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

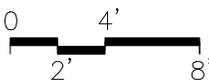
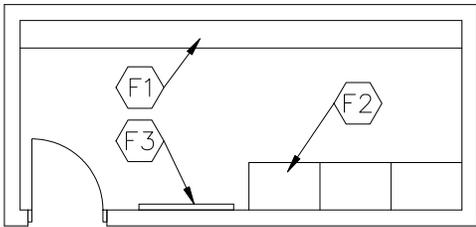
| <u>FINISHES¹:</u> | Spec. <u>Ref.#</u> | <u>FEATURES¹:</u> | Spec. <u>Ref.#</u> |
|---|-----------------------|---|-----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| <i>Polished concrete finishing, or</i> | 033510 | 8'-16' Chalk/marker board | 101100 |
| <i>colored concrete finishing</i> | 033519 | Pencil sharpener support | 062000 |
| VCT in office/storage | 096500 | 14' Wall and base cabinets | 123550 |
| | | Workbenches with locker bases | 123550 |
| | | 40' Work surface with heavy duty | |
| Base: | | countertop 36" high, with knee space | 123550 |
| Resilient base | 096500 | 8' Tack board | 101100 |
| | | 2 towel dispensers | 102813 |
| Ceiling: | | F1 3' tall storage cabinet | 123550 |
| Painted exposed structure | 099100 | F2 Technology support casework | 123550 |
| | | <u>Fire Suppression:</u> | |
| Walls: | | Fire suppression system | 211000 |
| Painted concrete masonry units | 042000/099100 | <u>Plumbing:</u> | |
| | | Wash fountain | 224000 |
| <u>LOOSE FURNISHINGS:</u> | | Plumbing connections 224000/221116/221119 | |
| Tables with heavy duty tops | | Tub sink or floor mop sink | 224000 |
| Waste receptacle | | Emergency eyewash station connection | 224000 |
| Task chairs | | Sanitary drainage products | 221316 |
| Metal shelving | | <u>HVAC:</u> | |
| Teacher wardrobe | | Supply/return air system | Div. 23 |
| File cabinet | | Independent temperature controls | 230923 |
| Pencil sharpener | | Localized welding station | |
| Mobile tool cabinet | | venting hood | 233515 |
| | | <u>Electrical:</u> | |
| | | High intensity discharge lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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 | |

NOTES:

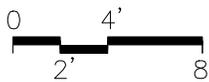
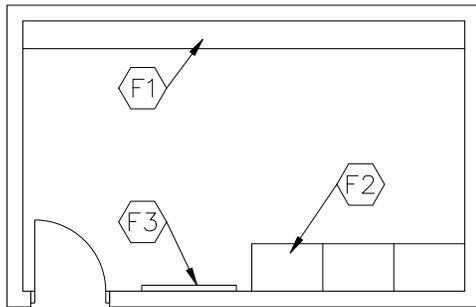
1. Finishes/Features: Refer to Chapter 9 for specification references.

CHAPTER 6: HIGH SCHOOL

150 SF



200 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

CAPACITY: N/A
 SIZE: 150 – 300 SF

NOTES:

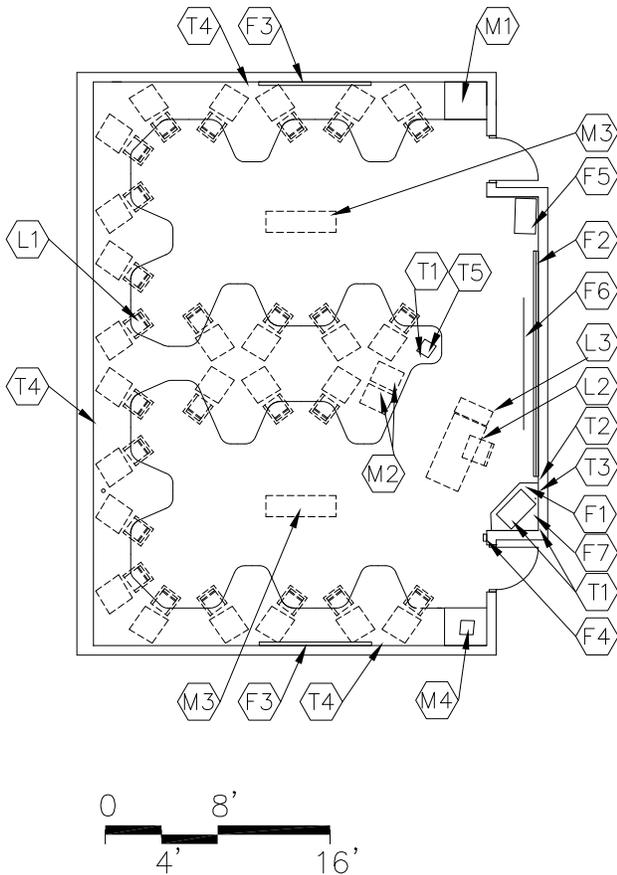
**STORAGE
H-TE-2**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|----------------|--|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Cure and seal 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 |
| | | F3 4' of pegboard (optional) | 102813 |
| 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> | |
| N/A | | To be determined by Design Professional | |
| | | <u>Electrical:</u> | |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 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:

- Uniform lighting with 80% visual comfort probability
- Environmental sound control - wall minimum STC 50 ceiling minimum CAC 35, NRC **0.70**
- Flexibility of space

CAPACITY: 25 students
SIZE: 1,200 SF

NOTES:

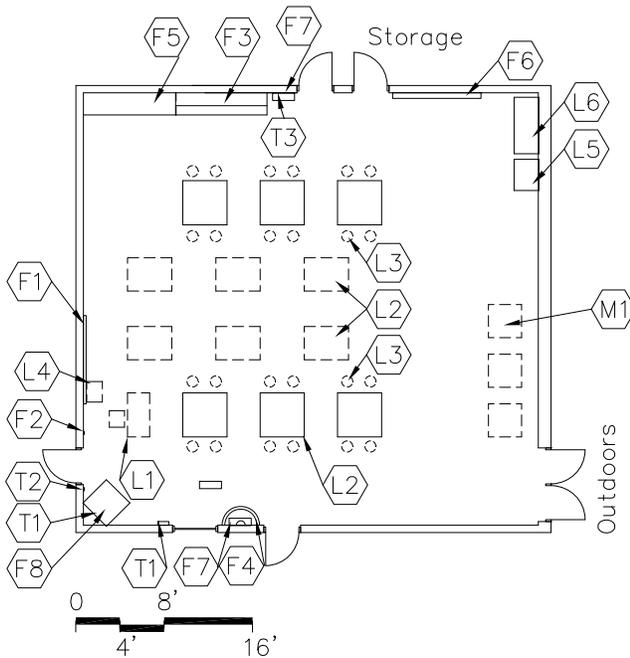
1. Loose furnishings shown represent one of many possible arrangements.

**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, VCT, ET , linoleum, or sheet vinyl | 096816 096500 096516 | F1 3' of tall wardrobe with file drawers | 123550 |
| Base: | | F2 8'-16' of chalk/marker board | 101100 |
| Resilient base | 096500 | F3 8'-16' of tack board | 101100 |
| Ceiling: | | F4 Pencil sharpener support | 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> | |
| Pencil sharpener | | Supply/return air system | Div. 23 |
| L1 could be fixed casework. | | Independent temperature control | 230923 |
| | | <u>Electrical:</u> | |
| | | Fluorescent lighting with parabolic lenses | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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) | |
| 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:

- Uniform lighting
- Environmental sound control -
 wall minimum STC 50
 ceiling minimum CAC 35, NRC **0.70**

NOTES:

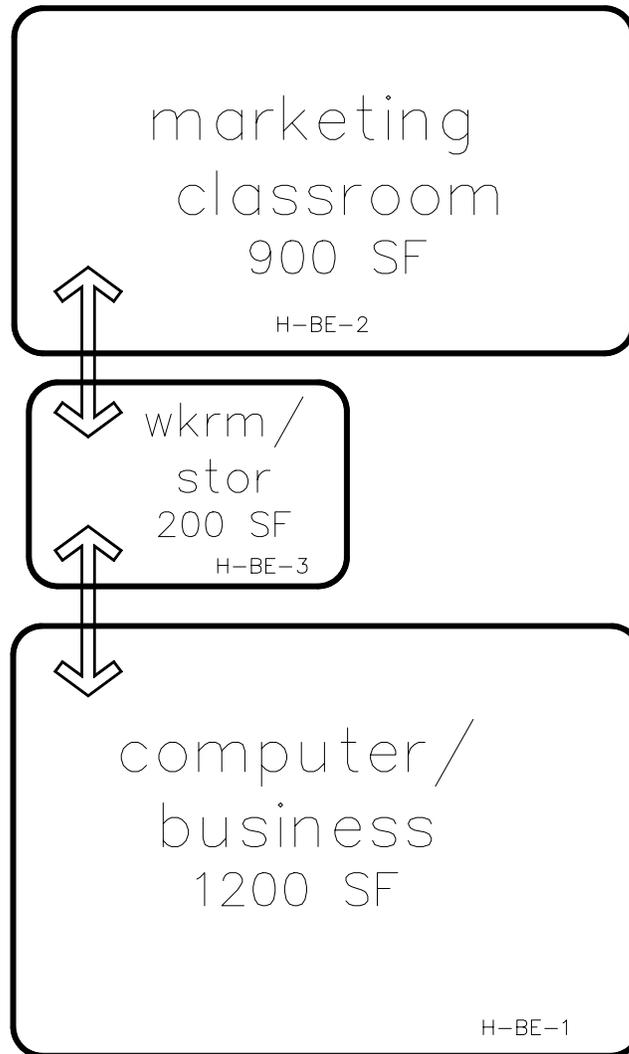
1. Loose furnishings represent one of many possible arrangements.
2. This is a multi-use space for vocational agriculture, wood shops, metal shops, or other industrial education laboratories.

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

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|----------------|---|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Polished concrete finishing, or | 033510 | F1 8'-16' of chalk/marker board | 101100 |
| colored concrete finishing | 033519 | F2 Pencil sharpener support | 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 countertop 36" high, with knee space | 123550 |
| Painted exposed structure | 099100 | F6 6'-8' of tack board | 101100 |
| Walls: | | F7 2 towel dispensers | 102813 |
| Painted concrete masonry units | 042000/099100 | 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 controls | 230923 |
| Pencil sharpener | | Localized dust collection as necessary | Div. 23 |
| | | <u>Electrical:</u> | |
| | | High intensity discharge lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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> | |
| | | 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.

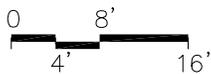
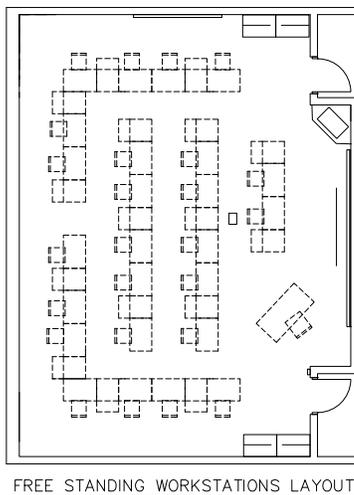
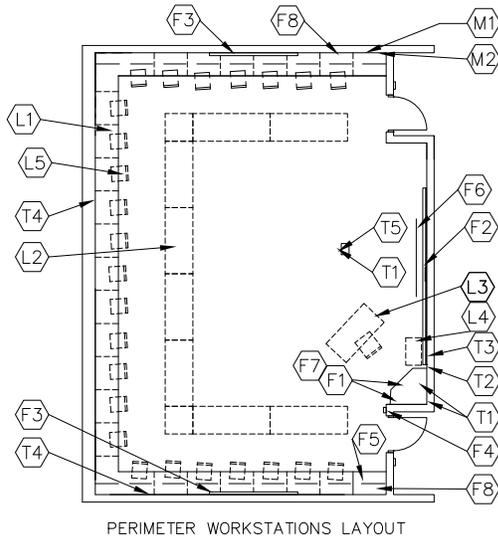
Following are the Business Education space plates:

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

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COMPUTER AND BUSINESS CLASSROOM H-BE-1

CHAPTER 6: HIGH SCHOOL



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:

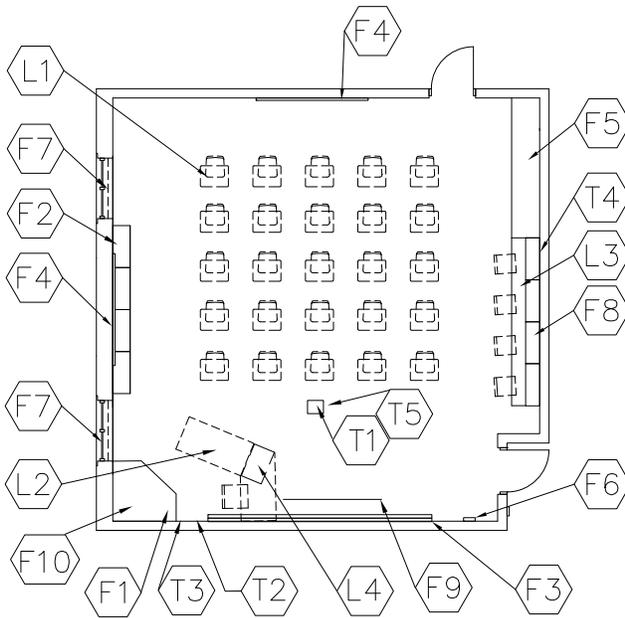
- Uniform lighting with 80% visual comfort probability level
- Environmental sound control -
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**

NOTES:

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

**MARKETING CLASSROOM
H-BE-2**

CHAPTER 6: HIGH SCHOOL



CAPACITY: 25 students
 SIZE: 900 SF

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:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control -
 wall minimum STC 50
 ceiling minimum CAC 35, NRC **0.70**

NOTES:

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

**MARKETING CLASSROOM
H-BE-2**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|--|------------------|--|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Carpet | 096816 | F1 3' of tall wardrobe with file drawers | 123550 |
| Optional: vinyl composition tile, linoleum, ET , sheet vinyl, or rubber | 096500 096516 | F2 6'-10' of bookcases | 123550 |
| | | F3 10'-16' of chalk/marker board | 101100 |
| | | F4 8'-16' of tack board | 101100 |
| | | F5 6'-10' of base cabinets | 123550 |
| | | F6 Pencil sharpener support | 062000 |
| <u>Base:</u> | | F7 Windows with integral blinds | 085113 |
| Resilient base | 096500 | F8 6'-10' of wall cabinets | 123550 |
| | | F9 Projection screen (optional) | 115213 |
| <u>Ceiling:</u> | | F10 Technology support casework | 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>HVAC:</u> | |
| <u>LOOSE FURNISHINGS:</u> | | Supply/return air system | Div. 23 |
| L1 Student desks and chairs | | Independent temperature control | 230923 |
| L2 Teacher desk/computer support and chair | | <u>Electrical:</u> | |
| L3 Computer workstation furniture | | Fluorescent lighting: | 265100 |
| L4 Desk height file cabinet | | Illumination level: See Table 8600-4 | |
| Wastebasket | | Multilevel switching | 262726 |
| Pencil sharpener | | 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 | 271513/273113 |
| | | T3 1 data port near teacher workstation | 271513 |
| | | T4 4 data ports (minimum) for student use | 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> | |
| | | N/A | |

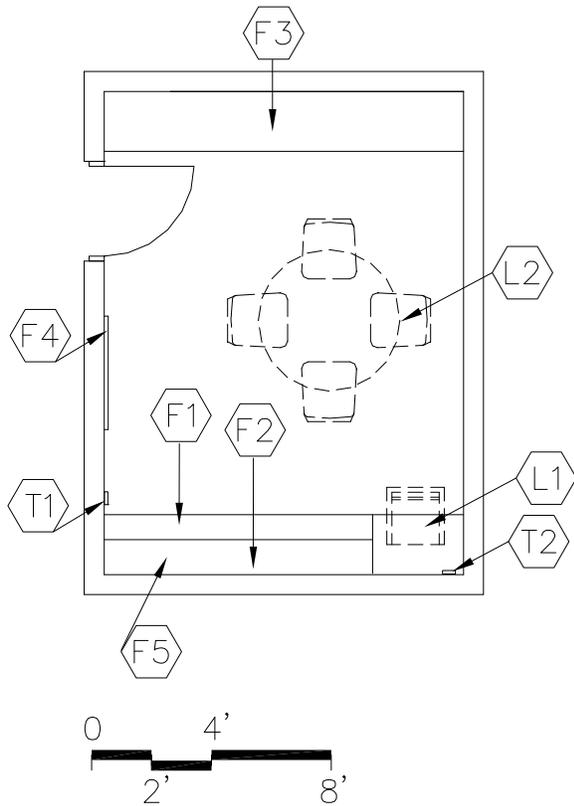
NOTES:

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:

- Uniform lighting
- 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

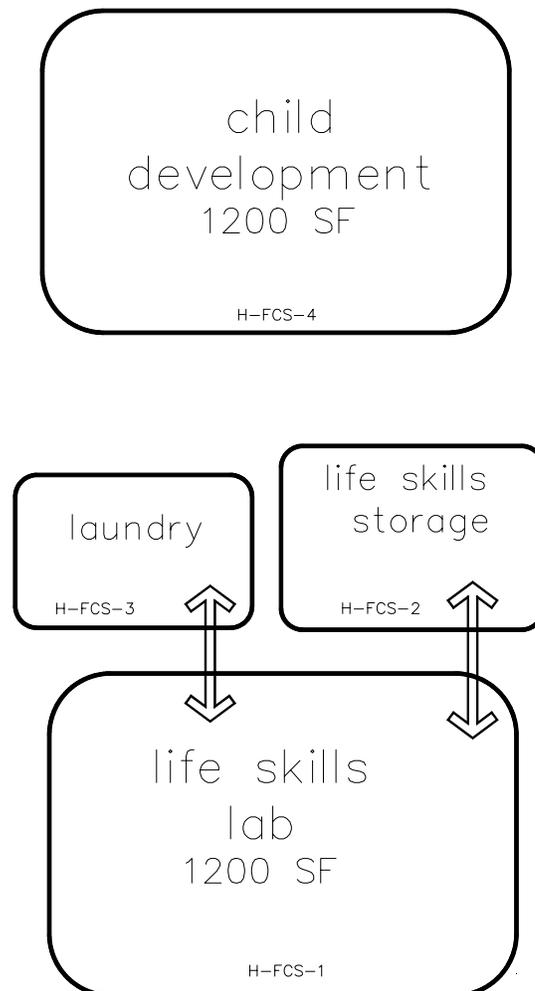
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---------------------------------------|----------------|--|----------------|
| <u>Flooring:</u> | | <u>Fixed Items²:</u> | |
| Carpet, VCT, ET , linoleum, or | 096816 | F1 6'-9' of base cabinets | 123550 |
| sheet vinyl | 096500 | F2 6'-9' of wall cabinets | 123550 |
| | 096516 | F3 12'-24' of tall storage | |
| | | cabinets or bookshelves | 123550 |
| <u>Base:</u> | | F4 4' of tack board or | 101100 |
| Resilient base | 096500 | tackable wall surface | |
| | | F5 Work surface (optional) | 123550 |
| <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> | |
| L1 Computer workstation furniture | | Supply/return air system | Div. 23 |
| L2 Tables and chairs | | Independent temperature | |
| Wastebasket | | control | 230923 |
| | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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



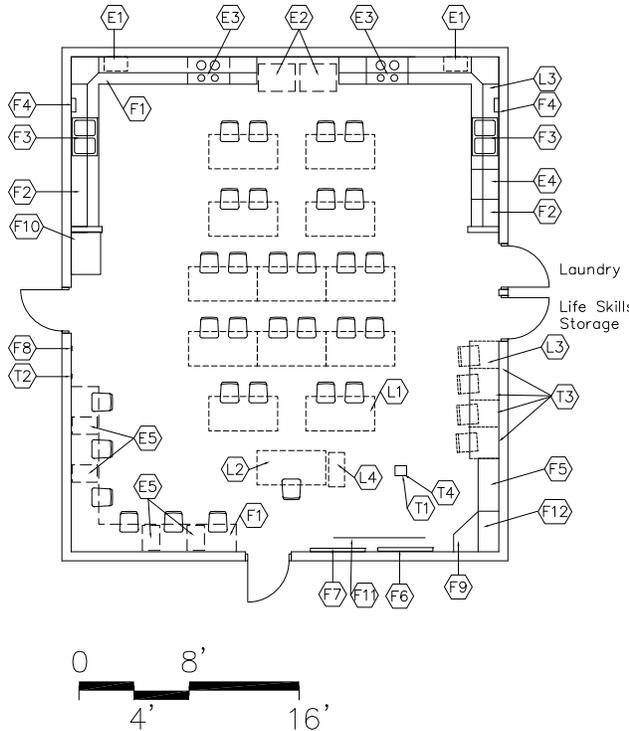
NOTE:

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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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:

- Uniform lighting
- Environmental sound control - wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**
- Resilient floor covering

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

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> | |
| Vinyl composition tile, linoleum, VET, sheet vinyl, or rubber | 096500 096516 | F1 Base cabinets | 123550 |
| | | F2 Wall cabinets | 123550 |
| | | F3 Double bowl sink base cabinet | 123550 |
| | | F4 2 towel dispensers | 102813 |
| Base: | | F5 4'-8' of bookcases (optional) | 123550 |
| Resilient base | 096500 | F6 8'-16' of chalk/marker board | 101100 |
| | | F7 8'-16' of tack board | 101100 |
| Ceiling: | | F8 Pencil sharpener support | 062000 |
| Suspended, acoustical | 095113 | F9 3' of tall wardrobe with file drawers | 123550 |
| | | F10 3'-9' of tall storage cabinets (could have trays) | 123550 |
| Walls: | | F11 Projection screen (optional) | 115213 |
| Painted concrete masonry units | 042000/099100 | F12 Technology support casework | 123550 |
| | | <u>Fire Suppression:</u> | |
| | | Fire suppression system | 211000 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Plumbing:</u> | |
| L1 Tables and chairs | | Double sinks | 224000 |
| L2 Teacher desk/computer support and chair | | Plumbing connections | 224000/221116/22119 |
| L3 Computer workstation furniture | | Garbage disposals (optional) | |
| L4 File cabinet | | <u>HVAC:</u> | |
| Wastebaskets | | Supply/return air system | Div. 23 |
| Pencil sharpener | | 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 8600-4 | |
| 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 | 271513/273113 |
| | | T3 4 data ports for student use | 271513 |
| | | Clock | 275313 |
| | | Central sound system | 275123 |
| | | Sound reinforcement system | 275127 |
| | | T4 Overhead projector | 274119 |
| Miscellaneous: | | <u>Electronic Safety and Security:</u> | |
| N/A | | Life safety devices per code | 283111 |

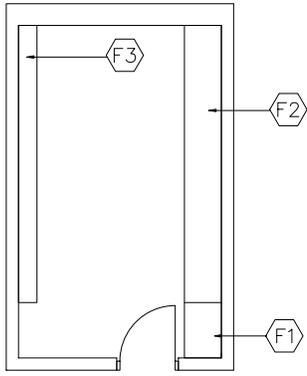
NOTES:

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.

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

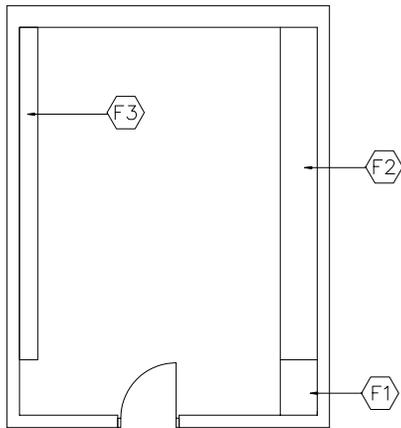
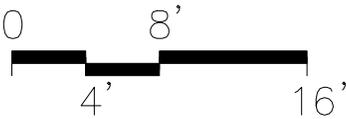
CHAPTER 6: HIGH SCHOOL

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:

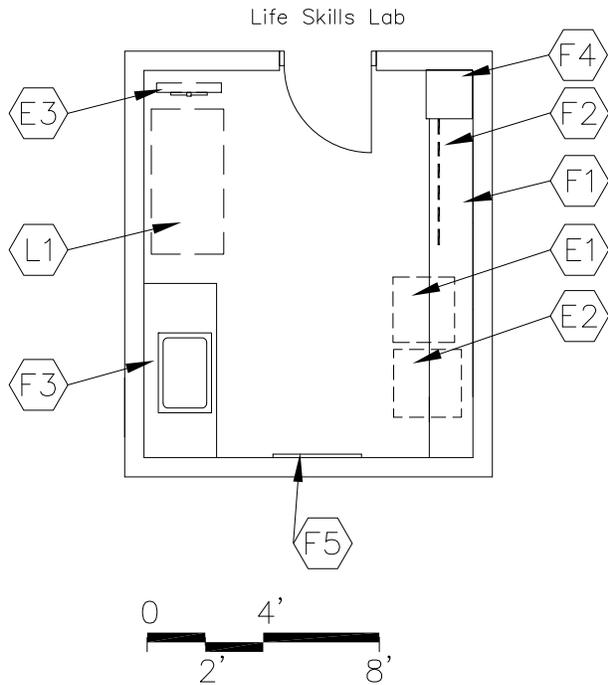
**LIFE SKILLS STORAGE
H-FCS-2**

CHAPTER 6: HIGH SCHOOL

| | Spec. Ref.# | | Spec. Ref.# |
|--------------------------------|----------------------|--|----------------|
| <u>FINISHES¹:</u> | | <u>FEATURES¹:</u> | |
| Flooring: | | <u>Fixed Items²:</u> | |
| Vinyl composition tile | 096500 | F1 3' of tall wardrobe (optional) | 123550 |
| Base: | | F2 10'–18' of tall cabinets or wall & base cabinets | 123550 |
| Resilient base | 096500 | F3 10'–18' of open cabinets | 123550 |
| Ceiling: | | Option: mobile storage shelving | 105626 |
| 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> | |
| Supply cart | | To be determined by Design Professional | |
| | | Supplemental heat as required | Div. 23 |
| | | <u>Electrical:</u> | |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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:

- Uniform lighting
- 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:

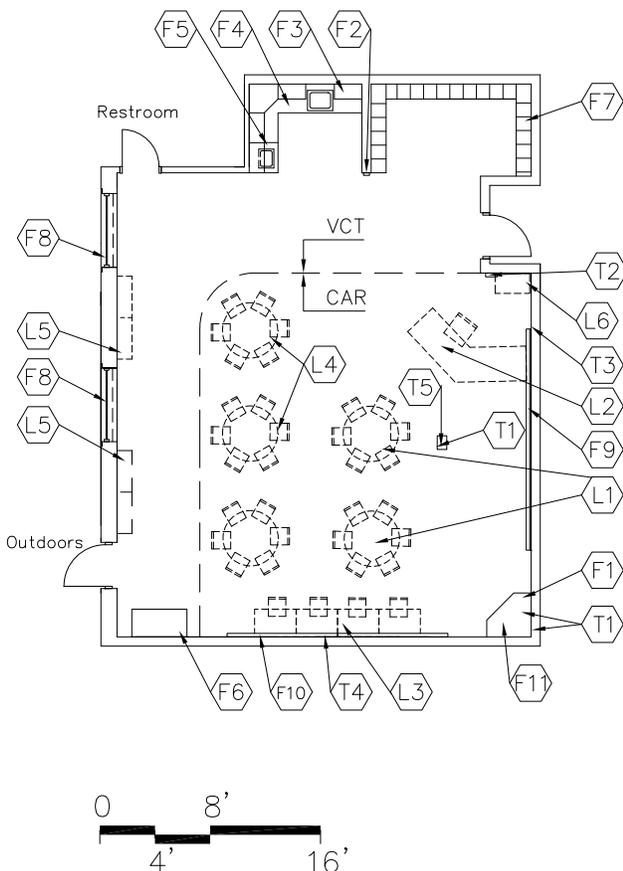
**LAUNDRY
H-FCS-3**

CHAPTER 6: HIGH SCHOOL

| | Spec. Ref.# | | Spec. Ref.# |
|---|----------------|---|----------------------|
| <u>FINISHES¹:</u> | | <u>FEATURES:</u> | |
| Flooring: | | <u>Fixed Items¹:</u> | |
| Vinyl composition tile, linoleum, ET , or sheet vinyl | 096516 | F1 14' of wall cabinets | 123550 |
| | 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 8600-4 | |
| 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.



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:

- Uniform lighting
- Natural light opening equal to minimum 5% of floor area, with an operable vent
- Environmental sound control - walls minimum STC 50 ceiling minimum CAC 35, NRC **0.70**
- Resilient- and stain-resistant floor covering

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

NOTES:

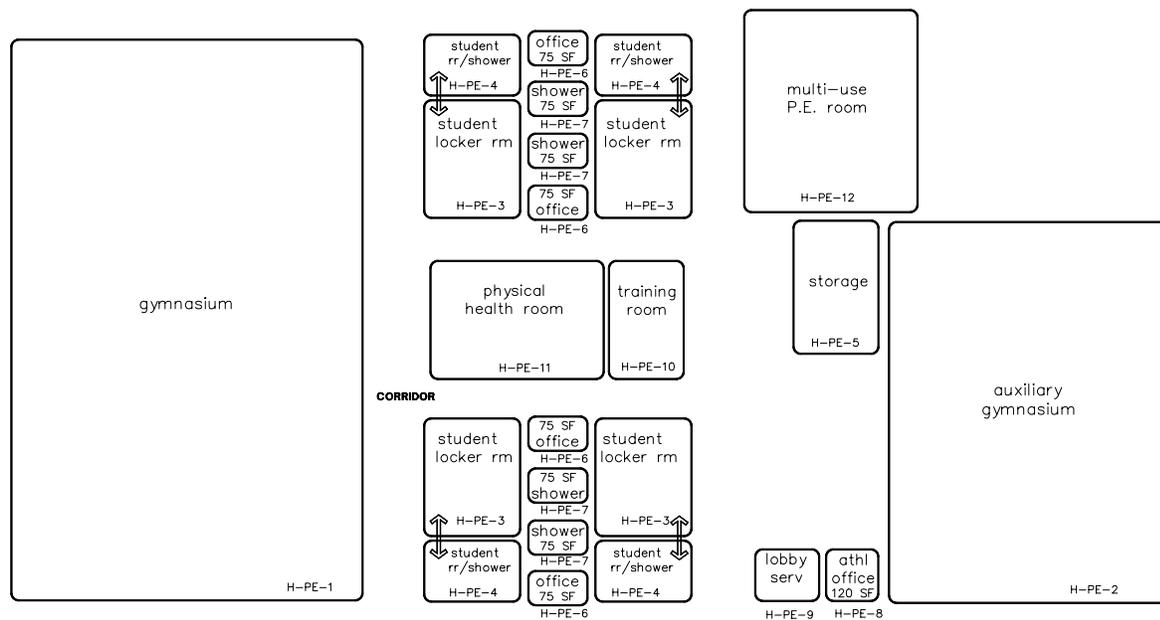
1. Loose furnishings shown represent one of many possible arrangements.

**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 vinyl composition tile, linoleum, <i>ET</i> , sheet vinyl, or rubber | 096816 096500 096516 | F1 3' of tall wardrobe with file drawers | 123550 |
| | | F2 Pencil sharpener support | 062000 |
| | | F3 12' of wall cabinets | 123550 |
| | | F4 3' of sink base cabinet, 36" high | 123550 |
| <u>Base:</u> | | F5 3' of sink base cabinet, (ADA compliant) | 123550 |
| Resilient base | 096500 | F6 4' of tall storage cabinet | 123550 |
| <u>Ceiling:</u> | | F7 Open casework - coats | 123550 |
| Suspended, acoustical | 095113 | F8 Windows with integral blinds | 085113 |
| <u>Walls:</u> | | F9 8'-16' of chalk/marker board | 101100 |
| Painted concrete masonry units | 042000/099100 | F10 8'-16' of tack board or tackable wall surface | 101100 |
| | | 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 |
| Pencil sharpener | | <u>Electrical:</u> | |
| | | Fluorescent lighting | 265100 |
| | | illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | T3 1 data port near teacher workstation | 271513 |
| | | T4 4 data ports (minimum) for student use | 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> | |
| | | N/A | |

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.



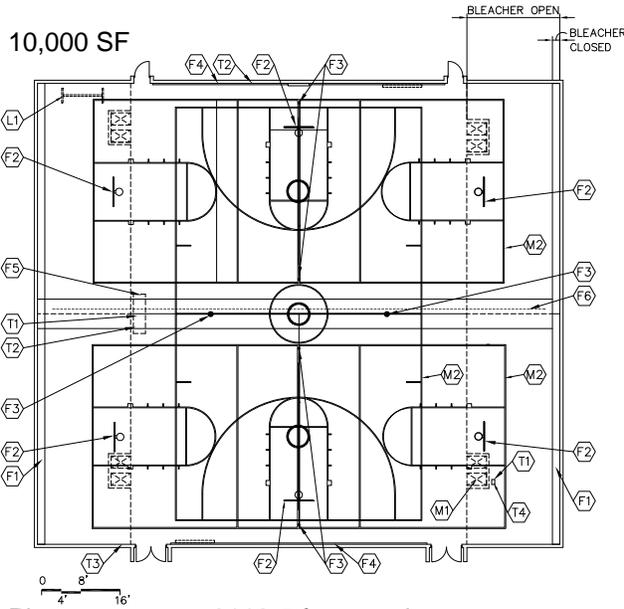
NOTES:

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.

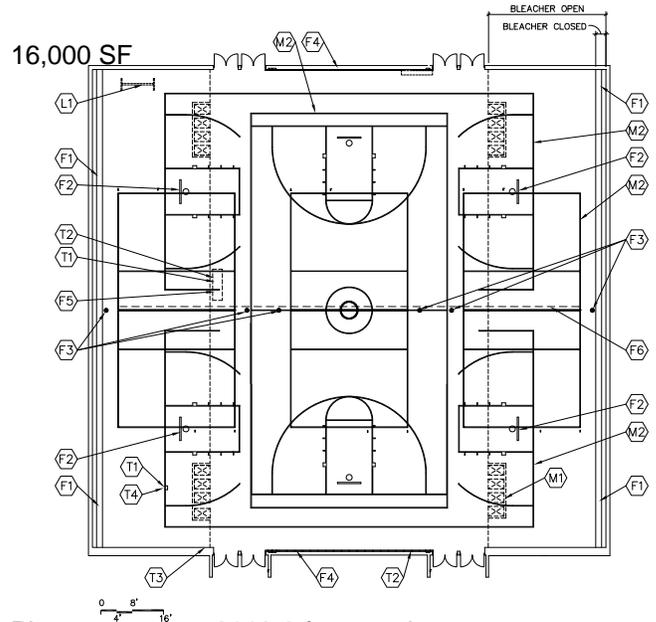
Following are the Physical Education space plates:

- 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

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Please see page 6110-5 for an enlargement of this drawing.



Please see page 6110-6 for an enlargement of this drawing.

CAPACITY: 60 – 75 Students
SIZE: 10,000 – 20,000 SF
ANCILLARY SPACES: Physical Education Storage
 H-PE-5

PROGRAM ACTIVITIES:

- Physical education classes and interscholastic athletic competition
- Student assemblies
- Community use

SPATIAL RELATIONSHIPS:

- Near locker rooms
- Adjacent to outdoors
- Near student dining

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- 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:

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

**GYMNASIUM
H-PE-1**

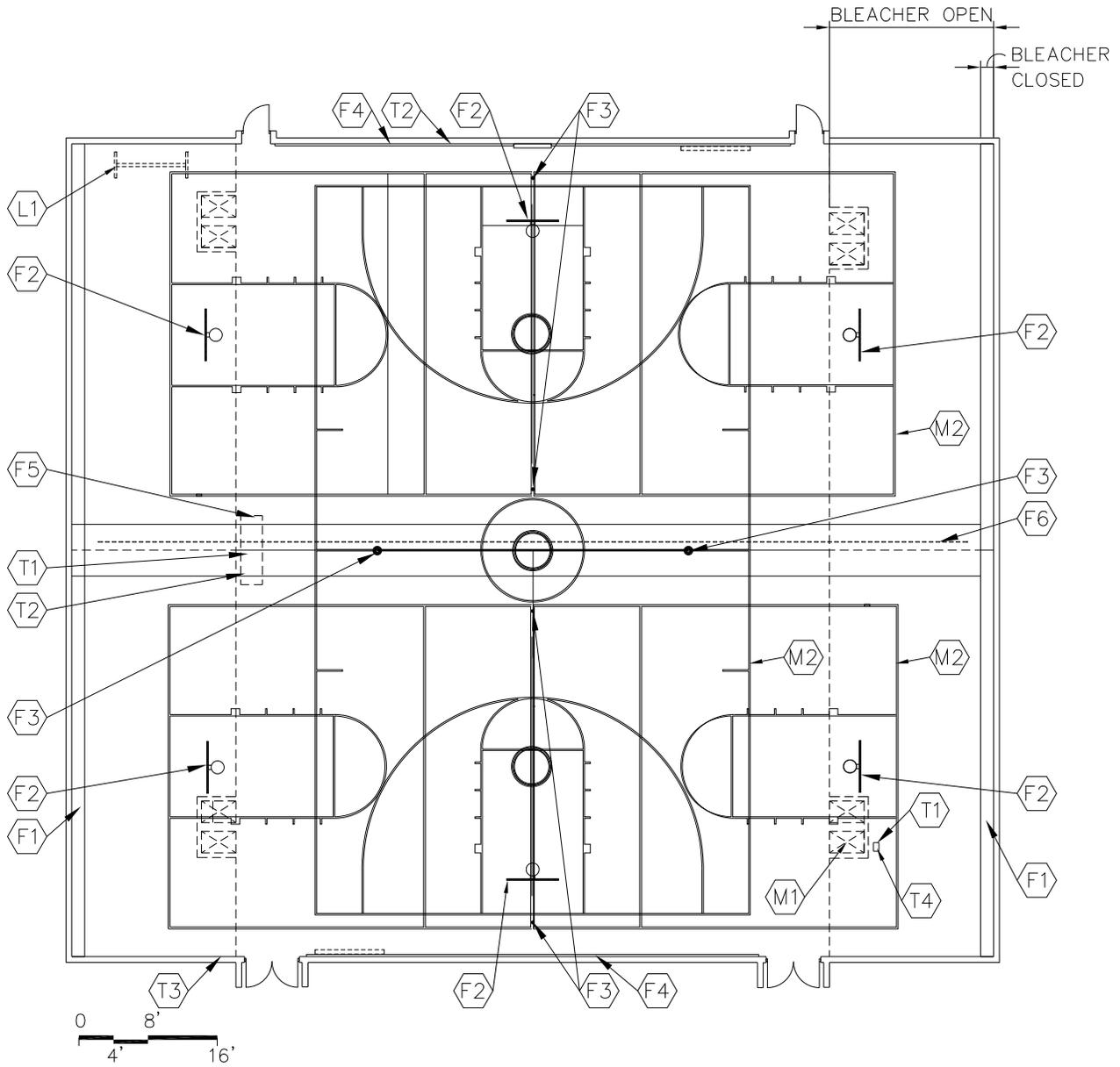
CHAPTER 6: HIGH SCHOOL

| | Spec. Ref.# | FEATURES: | Spec. Ref.# |
|---|----------------|--|----------------------|
| FINISHES¹: | | Fixed Items: | |
| Flooring: | | F1 Telescoping stands | 126600 |
| Wood | 096466 | 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 |
| Ceiling: | | F5 Scorer's table | 126600 |
| Painted exposed structure | 099100 | F6 Divider gym curtain | 116623 |
| Walls: | | Fire Suppression: | |
| Painted | 099100 | Fire suppression system | 211000 |
| Sound absorption concrete masonry units on 2 walls or | 042000 | Plumbing: | |
| abuse-resistant acoustical wall treatment | 098000 | Plumbing connections | 224000/221116/221119 |
| LOOSE FURNISHINGS: | | HVAC: | |
| L1 Portable chalkboard | | Supply/return air system | Div. 23 |
| | | Independent temperature control | 230923 |
| | | Electrical: | |
| | | High intensity discharge lighting or fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 |
| Miscellaneous: | | Communications: | |
| M1 Handicapped seating | | T1 2 video ports , 1 monitor w/cart | 271533/271543/274119 |
| M2 Court markings (minimum) 84 x 50 basketball court (2) cross-court basketball courts Regulation volleyball court | | T2 2 data ports | 271513 |
| Provide wire guards on light fixtures and wall-mounted electrical devices | | T3 1 voice port | 271513/273113 |
| | | Clocks with wire guards | 275313 |
| | | Central sound system | 275123 |
| | | Gymnasium sound system | 275124 |
| | | T4 Overhead projector | 274119 |
| | | Electronic Safety and Security: | |
| | | Life safety devices per code | 283111 |

NOTES:

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

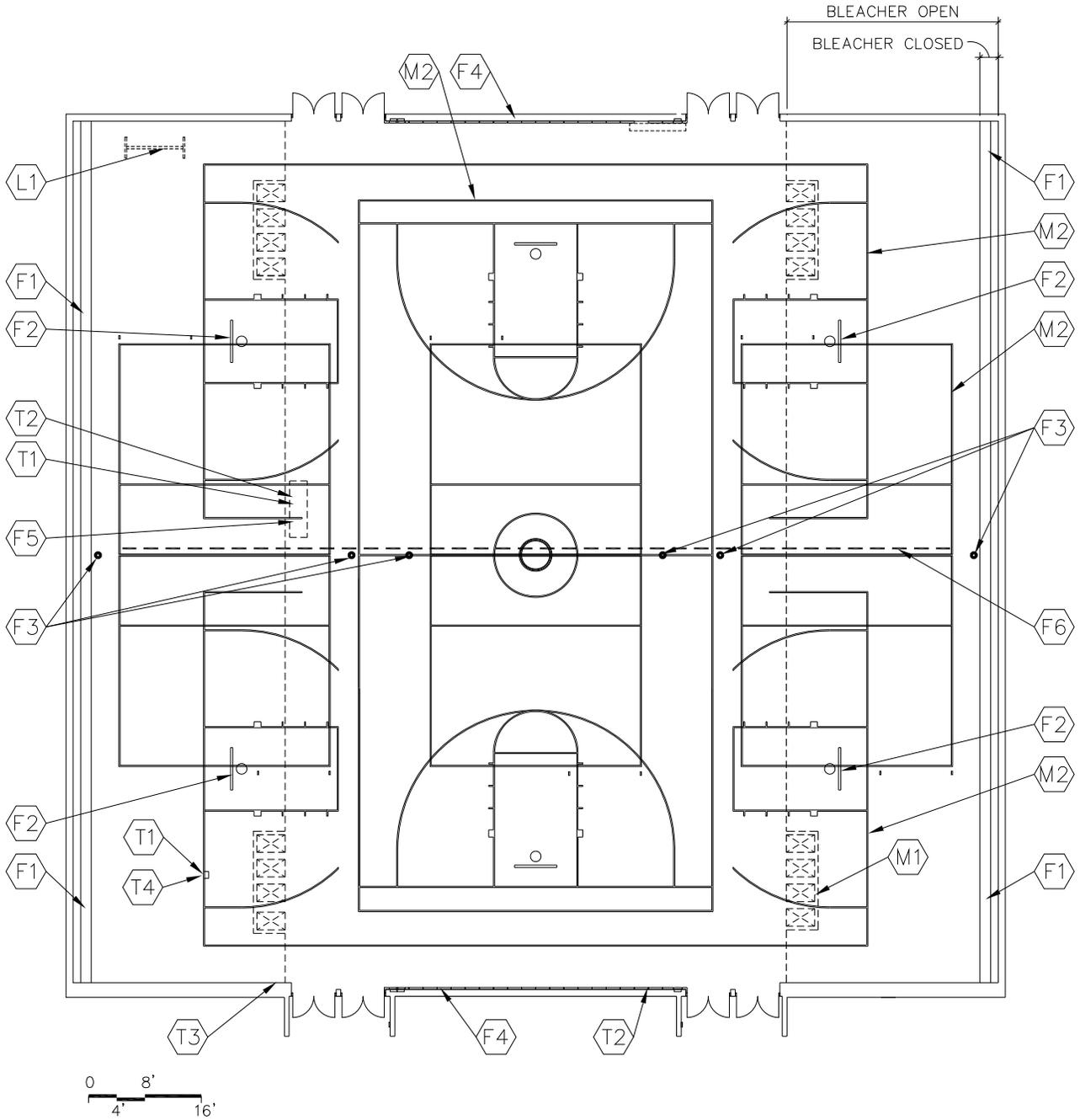
10,000 SF



**GYMNASIUM
H-PE-1**

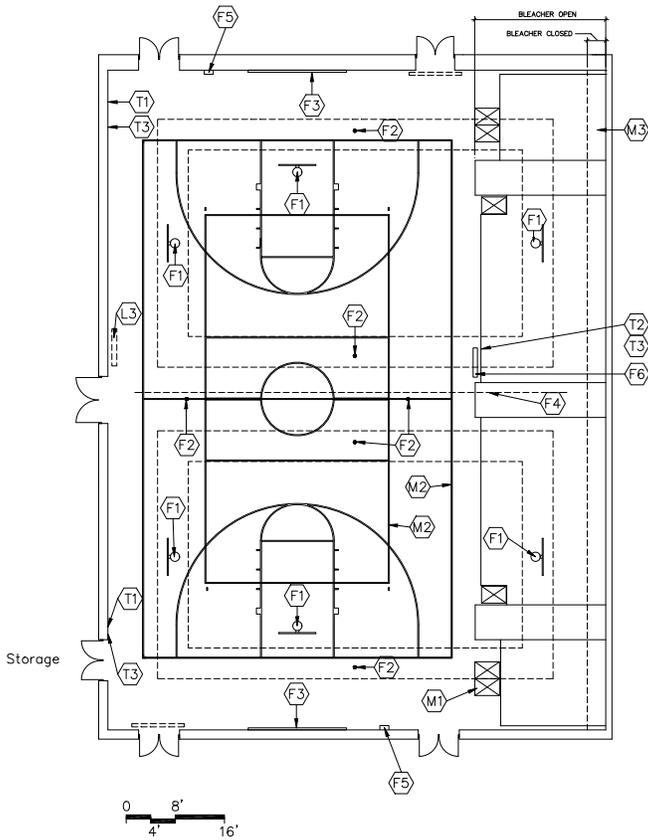
CHAPTER 6: HIGH SCHOOL

16,000 SF



**AUXILIARY GYMNASIUM
H-PE-2**

CHAPTER 6: HIGH SCHOOL



Please see page 6110-9 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:

- Uniform lighting
- 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.

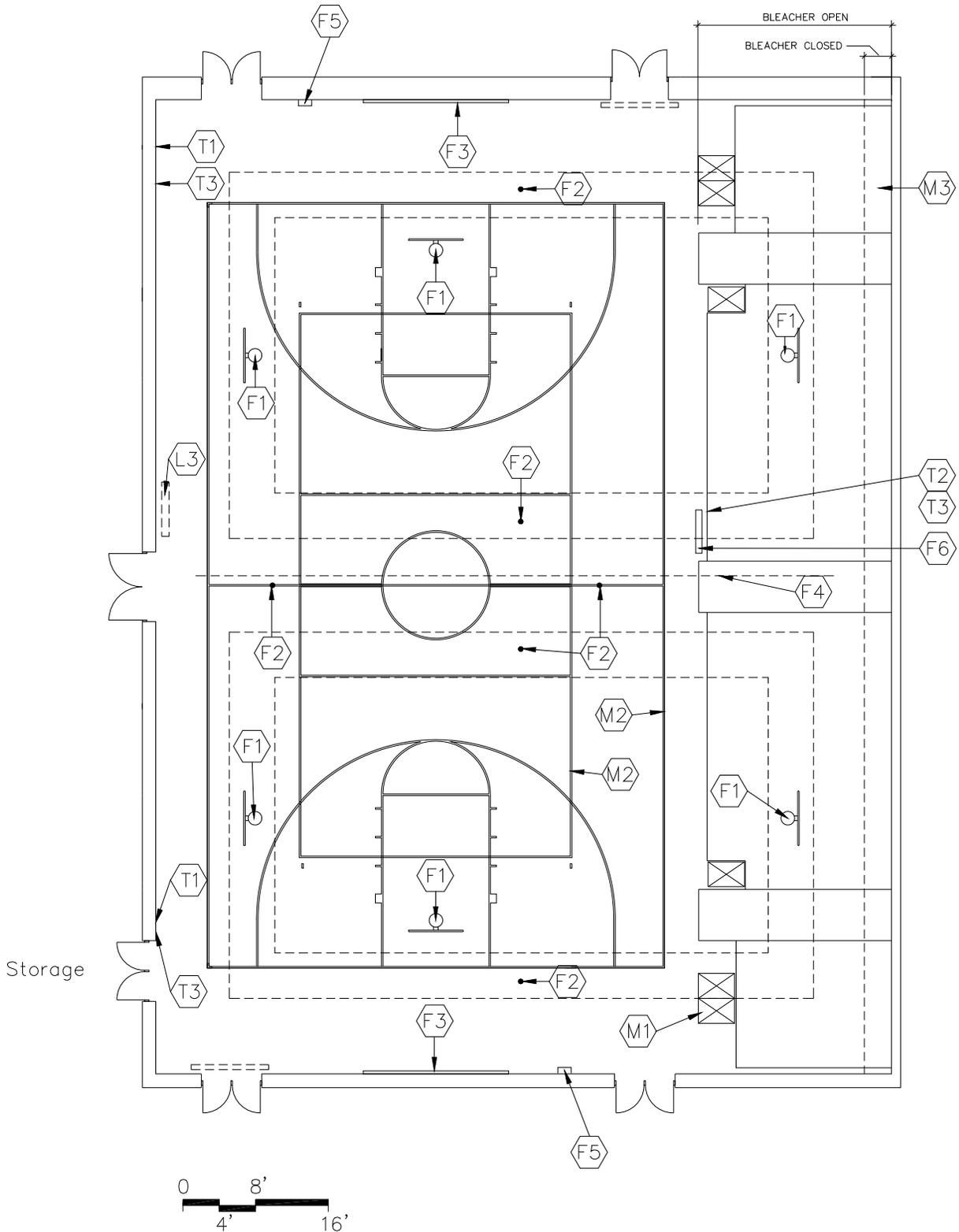
**AUXILIARY GYMNASIUM
H-PE-2**

CHAPTER 6: HIGH SCHOOL

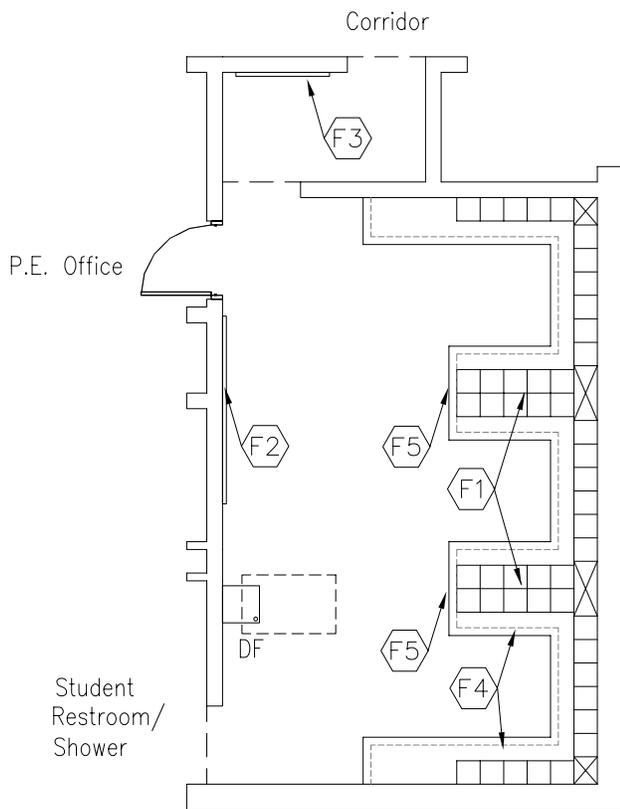
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|----------------|--|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Wood flooring | 096466 | F1 6 basketball backstops, glass | 116623 |
| | | F2 Volleyball sleeves and standards on a cart | 116623 |
| Base: | | F3 Safety wall wainscot | 116623 |
| Ventilated resilient base | 096466 | F4 Divider gym curtain | 116623 |
| | | F5 Chin-up bar (optional) | 116623 |
| Ceiling: | | F6 Scorer's table (could be part of bleachers) | 126600 |
| Painted exposed structure | 099100 | | |
| Walls: | | <u>Fire Suppression:</u> | |
| Painted | 099100 | Fire suppression system | 211000 |
| Sound absorbing concrete masonry units on 2 walls or | 042000 | <u>Plumbing:</u> | |
| abuse-resistant acoustical wall treatment | | Plumbing connections | 224000/221116/221119 |
| <u>LOOSE FURNISHINGS:</u> | | <u>HVAC:</u> | |
| L1 Portable chalkboard | | Supply/return air system | Div. 23 |
| | | Independent temperature control | 230923 |
| | | <u>Electrical:</u> | |
| | | Multi -level switching | 262726 |
| | | High intensity discharge lighting or fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 (control outlets in the face of bleachers) | 116643 |
| | | Telecommunications Grounding | 270526/260526 |
| Miscellaneous: | | <u>Communications:</u> | |
| M1 Handicapped seating | | T1 2 video ports, 1 monitor with cart | 271533/271543/274119 |
| M2 Court markings (minimum) | | T2 1 voice port | 271513/273113 |
| 74' x 50' main basketball court, | | T3 2 data port | 271513 |
| 2 cross courts to fit | | Clocks with wire guards | 275313 |
| Regulation volleyball courts | | Central sound system | 275123 |
| Provide wire guards on light fixtures and wall- mounted electrical devices. | | Gymnasium sound system | 275124 |
| The following item is to be funded by the school district: | | <u>Electronic Safety and Security:</u> | |
| M3 Telescoping stands | | Life safety devices per code | 283111 |

NOTES:

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



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**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:

- Uniform lighting
- 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

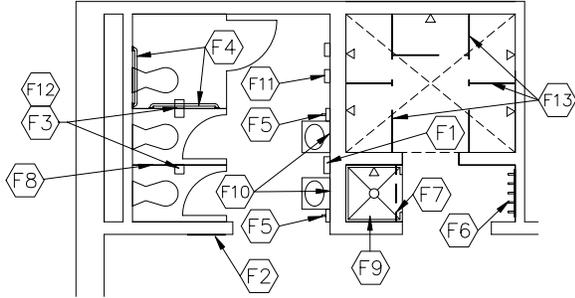
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|----------------------|---|----------------|
| Flooring: | | Fixed Items: | |
| Vinyl or rubber sheet flooring, | 096500 | F1 Athletic lockers | 105113 |
| rubber tile, or | 096723 | F2 4'-8' of chalk/marker board (optional) | 101100 |
| resinous flooring | | F3 4'-8' of tack board | 101100 |
| Base: | | F4 Locker benches | 062000 |
| Resilient base or | 096500 | F5 Mirrors | 102813 |
| resinous flooring | 096723 | Fire Suppression: | |
| Ceiling: | | Fire suppression system | 211000 |
| Suspended, acoustical with high-impact, | | Plumbing: | |
| hold-down clips | 095113 | Drinking <i>fountain</i> | 224000/224700 |
| Option: Exposed, painted pre-cast units | 099100 | HVAC: | |
| Walls: | | Supply air system | Div. 23 |
| Painted concrete masonry units | 042000/099100 | Exhaust air system | Div. 23 |
| | | Independent temperature control | 230923 |
| LOOSE FURNISHINGS: | | Electrical: | |
| Wastebaskets | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 2 duplex receptacles | 262726 |
| | | Emergency lighting per code | 265100 |
| | | Means of egress lighting per code | 265100 |
| | | Communications: | |
| | | Clock | 275313 |
| | | Central sound system | 275123 |
| | | Electronic Safety and Security: | |
| | | Life safety devices per code | 283111 |
| | | Miscellaneous: | |
| | | N/A | |

NOTES:

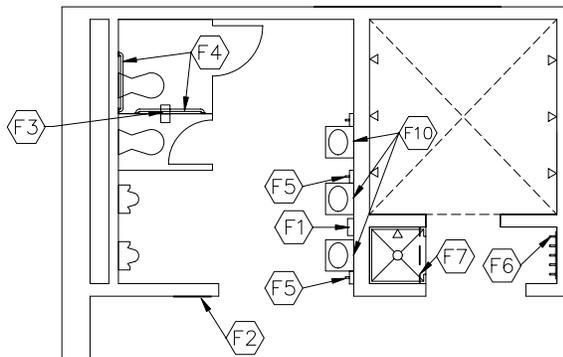
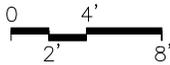
1. Finishes/Features: Refer to Chapter 9 for specification references.

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

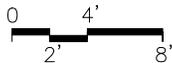
CHAPTER 6: HIGH SCHOOL



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:

- Uniform lighting
- 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

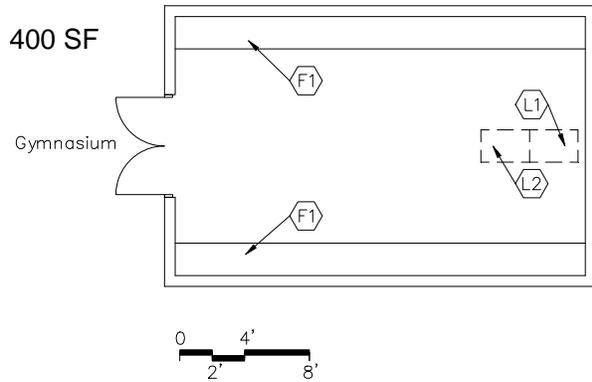
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|----------------------------|---|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Restroom: Vinyl, rubber sheet flooring, rubber tile, or resinous flooring | 096500 093000 096723 | F1 Towel dispensers | 102813 |
| 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 8600-4 | |
| | | 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:

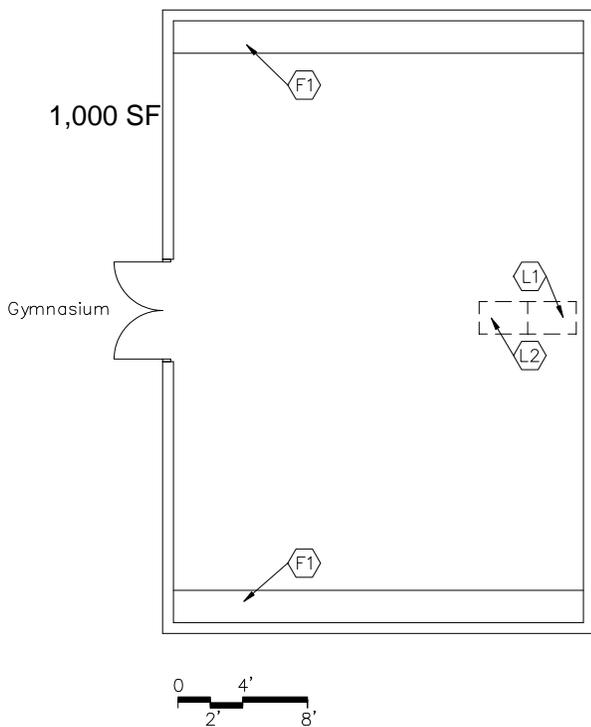
- Storage for physical education equipment

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:

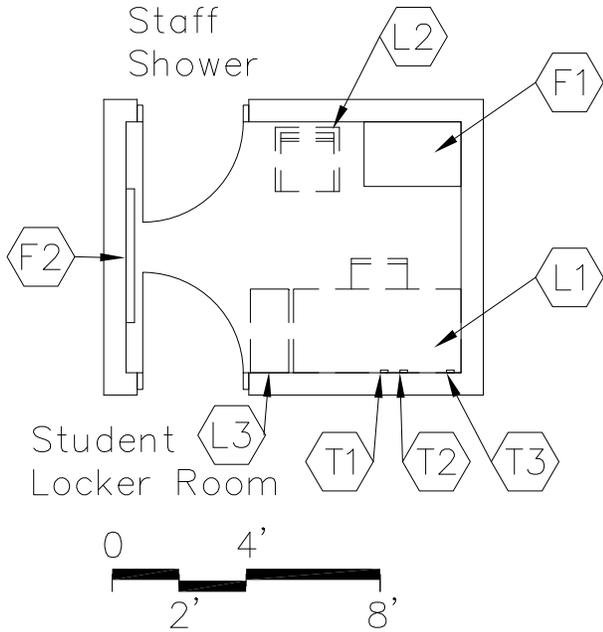
**PHYSICAL EDUCATION STORAGE
H-PE-5**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--------------------------------------|----------------|--|----------------|
| Flooring: | | <u>Fixed Items²:</u> | |
| <i>Cure and seal</i> 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 | <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> | |
| L1 Tumbling mats on carts | | Single level switching | 262726 |
| L2 Ball carts | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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:

- Uniform lighting
- 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

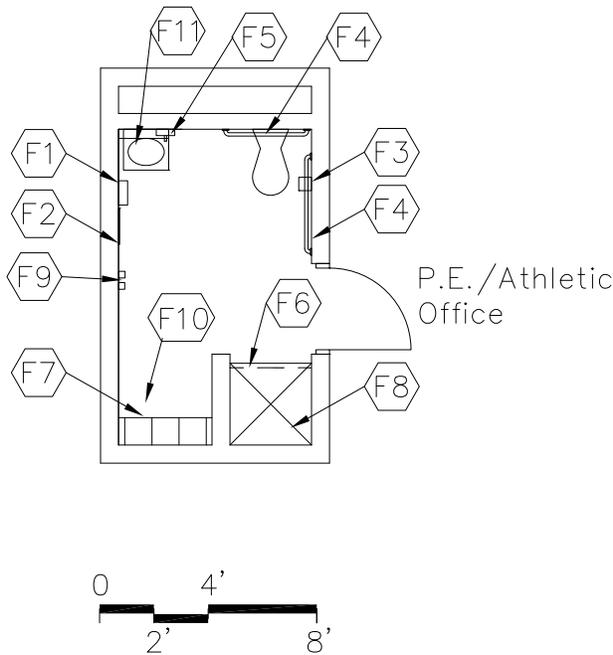
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|------------------|---|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Vinyl composition tile, linoleum, <i>ET</i> , sheet vinyl, or rubber | 096500 096516 | F1 2' of tall wardrobe | 123550 |
| | | F2 4' of tack board | 101100 |
| <u>Base:</u> | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | N/A | |
| <u>Walls:</u> | | <u>HVAC:</u> | |
| Painted concrete masonry units | 042000/099100 | Supply/return air system | Div. 23 |
| | | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| <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 8600-4 | |
| Wastebasket | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to each data port | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | 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:

- Uniform lighting
- 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:

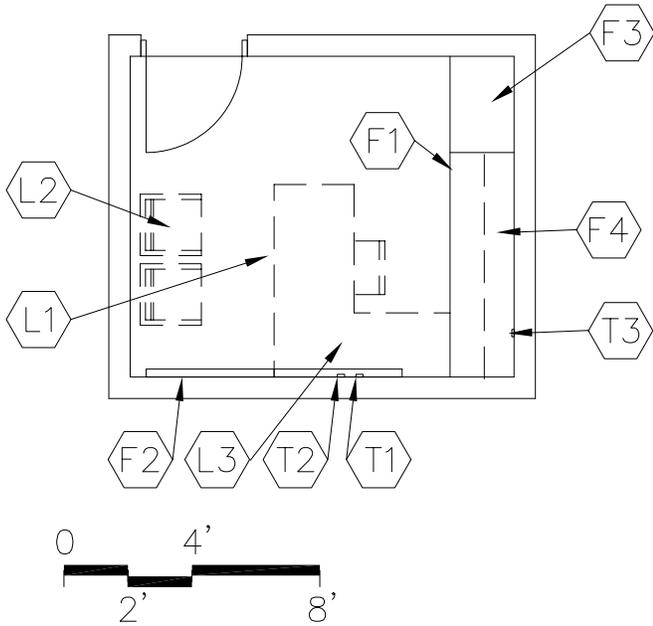
**STAFF SHOWER
H-PE-7**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|----------------|---|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Restroom: Vinyl composition tile, | 096500 | F1 Towel dispenser | 102813 |
| linoleum, ET , sheet vinyl, | 096516 | F2 24" x 60" mirror | 102813 |
| resinous flooring, or rubber | 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 |
| Base: | | F7 3 athletic lockers | 105113 |
| Restroom: Resilient base, | 096500 | F8 ADA Shower accessories | 102813 |
| resinous flooring, or | 093000 | F9 Towel hooks | 102813 |
| integral vinyl cove base | 096723 | F10 Built-in bench (optional) | 102813 |
| Shower: Ceramic mosaic tile base, | | F11 Mirror over sink with shelf (optional) | 102813 |
| porcelain tile base, resinous flooring, | | | |
| or integral vinyl cove base | | | |
| | | <u>Fire Suppression:</u> | |
| Ceiling: | | 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 |
| Walls: | | ADA shower controls and head | 224000 |
| Epoxy painted concrete masonry units | 042000/099100 | Plumbing connections | 224000/221116/221119 |
| or ceramic wall tile in shower | 093000 | <u>HVAC:</u> | |
| and latex paint in restroom | 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 8600-4 | |
| | | 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:

- Uniform lighting
- 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**

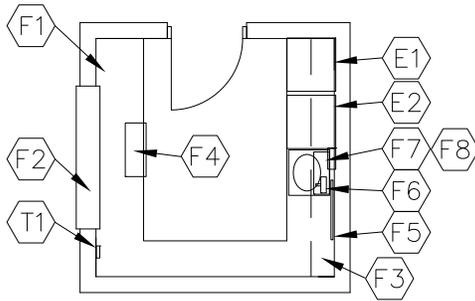
CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|----------------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Carpet | 096816 | F1 Work surface with file drawers | 123550 |
| | | F2 4' of tack board or tackable wall surface | 101100 |
| Base: | | F3 2' of tall wardrobe | 123550 |
| Resilient base | 096500 | F4 Wall cabinets above work surface | 123550 |
| 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 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 Wastebasket | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to data and video port | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | 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 | |

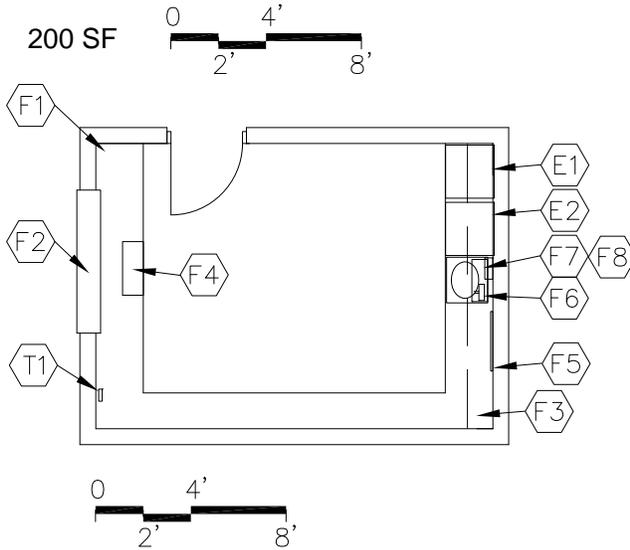
NOTES:

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.

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:

- Uniform lighting
- Adequate ventilation

NOTES:

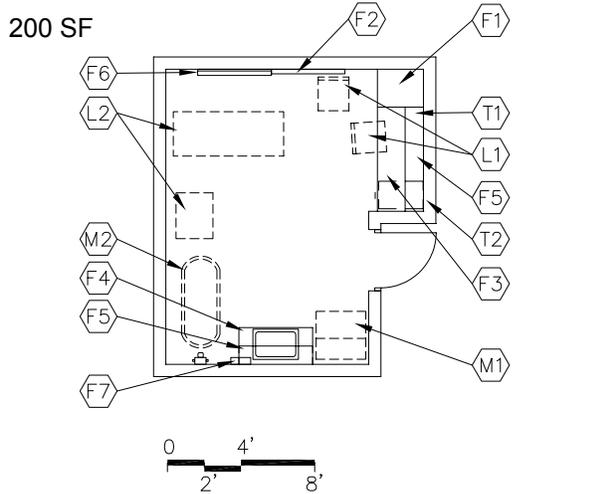
LOBBY SERVICES
H-PE-9

CHAPTER 6: HIGH SCHOOL

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

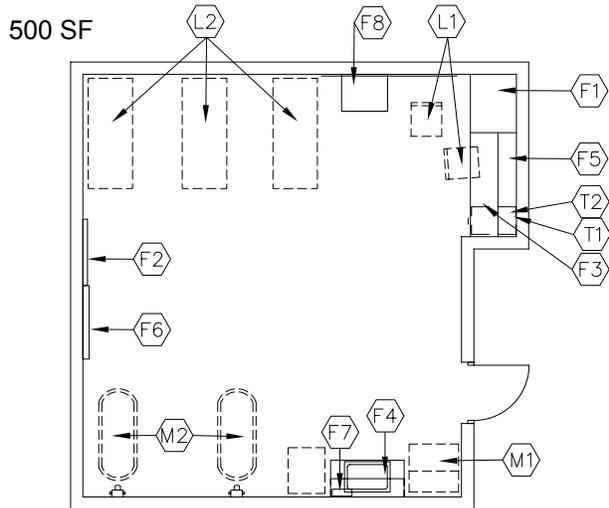


PROGRAM ACTIVITIES:

- 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:

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

CAPACITY: 3 – 7 persons
SIZE: 200 - 900 SF

NOTES:

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

**TRAINING ROOM
H-PE-10**

CHAPTER 6: HIGH SCHOOL

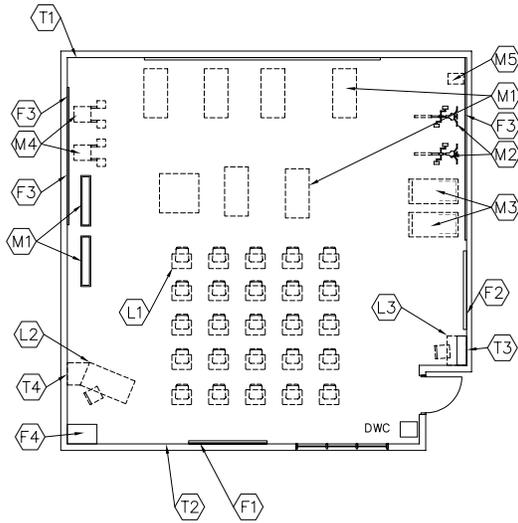
| <u>FINISHES¹:</u> | Spec. <u>Ref.#</u> | <u>FEATURES¹:</u> | Spec. <u>Ref.#</u> |
|-------------------------------------|-----------------------|--|-----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Sheet vinyl, rubber, or rubber tile | 096500 | F1 2' of tall wardrobe with files | 123550 |
| Base: | | F2 4' of tack board | 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 4' of chalk/marker board (optional) | 101100 |
| 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 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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:

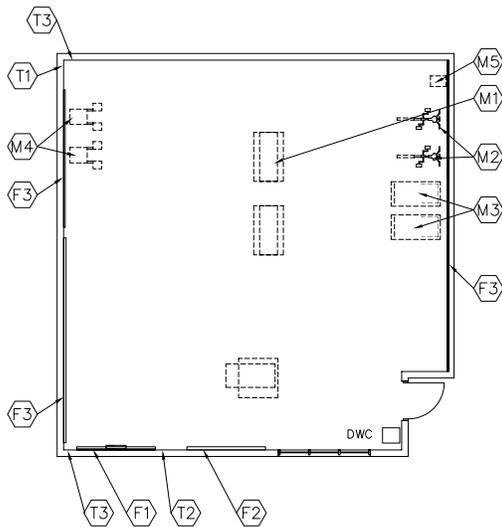
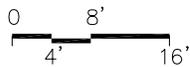
1. Finishes/Features: Refer to Chapter 9 for specification references.

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

CHAPTER 6: HIGH SCHOOL



2,000 SF



CAPACITY: 15 - 25 students
SIZE: 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:

- Uniform lighting
- Environmental sound control -
wall minimum STC 50
ceiling minimum CAC 35, NRC **0.70**

NOTES:

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

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

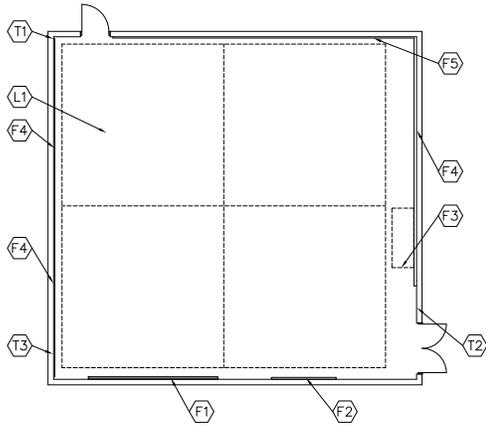
CHAPTER 6: HIGH SCHOOL

| <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 4'-8' of chalk/marker board | 101100 |
| | | F2 4'-8' of tack board | 101100 |
| <u>Base:</u> | | F3 5' high mirror mounted 12" above floor | 088300 |
| Resilient base | 096500 | F4 3' tall wardrobe (optional) | 123550 |
| <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 | Plumbing connections | 224000/221116/221119 |
| | | Drinking water cooler | 224000 |
| <u>LOOSE FURNISHINGS:</u> | | <u>HVAC:</u> | |
| L1 Student desks and chairs(if applicable) | | Supply/return air system | Div. 23 |
| L2 Teacher workstation and chair | | Independent temperature control | 230923 |
| L3 Computer workstation | | <u>Electrical:</u> | |
| File drawer | | Fluorescent lighting: | 265100 |
| Wastebasket | | Illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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 | |

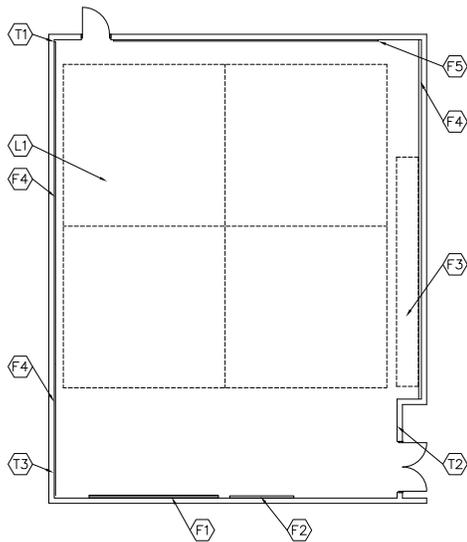
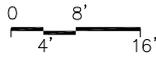
NOTES:

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.

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:

- Uniform lighting
- Environmental sound control - wall minimum **STC 50**
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

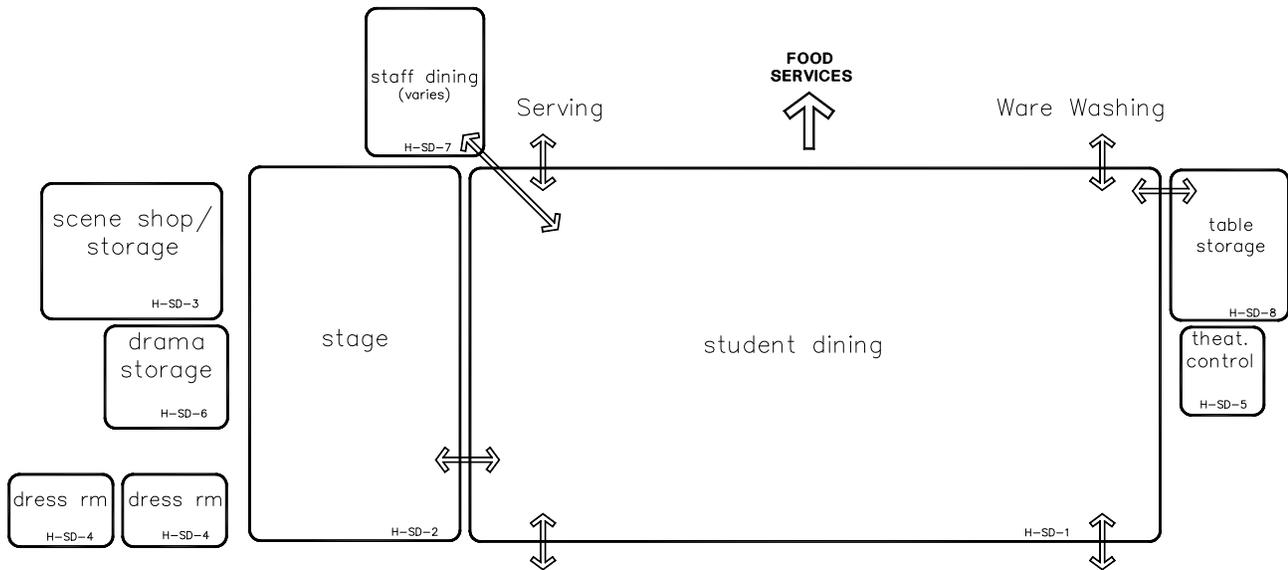
| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES:</u> | Spec. Ref.# |
|---|----------------------------|---|--------------------------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Vinyl composition tile, linoleum, ET , sheet vinyl, rubber, or fluid-applied athletic flooring | 096516 096500 096766 | F1 4'-16' of chalk/marker board F2 4'-8' of tack board F3 Mat hoist (optional) F4 Safety wall wainscot | 101100 101100 116623 116623 |
| Base: | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| Ceiling: | | <u>Plumbing:</u> | |
| Painted exposed structure | 099100 | 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 Wrestling mat | | High intensity discharge lighting: or fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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



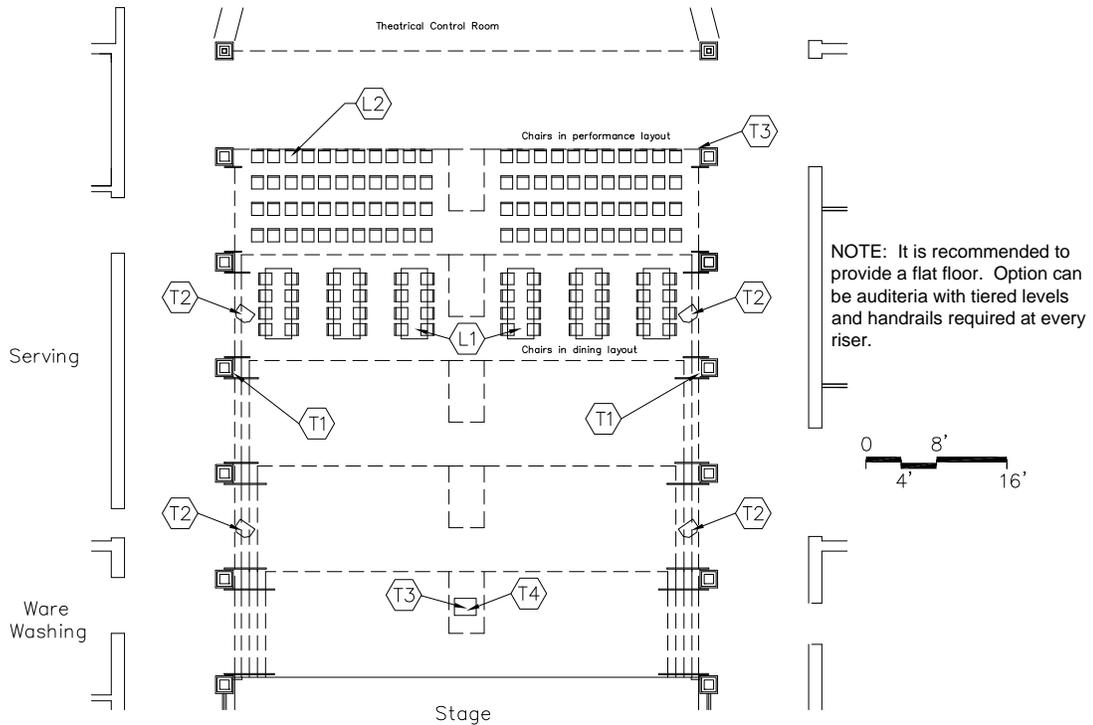
NOTES:

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:

- Uniform non-glare lighting
- 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.

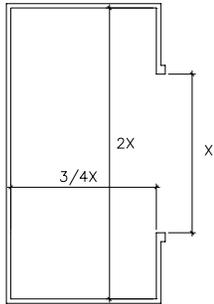
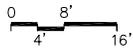
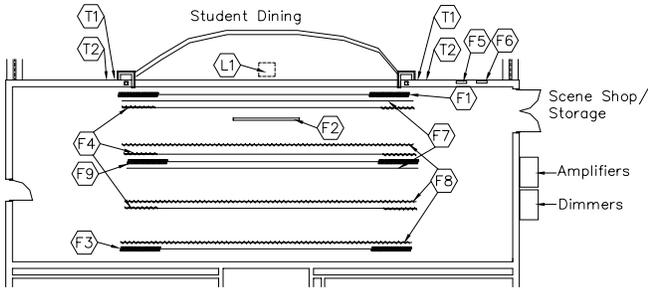
**STUDENT DINING
H-SD-1**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|----------------|---|----------------|
| Flooring: | | Fixed Items: | |
| Linoleum, rubber, ET , | 096500 | N/A | |
| sheet vinyl, porcelain tile, | 096516 | | |
| terrazzo tile, polished | 096616 | Fire Suppression: | |
| concrete finishing, or | 033510 | Fire suppression system | 211000 |
| colored concrete finishing | 033519 | | |
| Base: | | Plumbing: | |
| Resilient base | 096500 | N/A | |
| Option: Porcelain tile base | 093000 | HVAC: | |
| | | Supply/return air system | Div. 23 |
| | | Independent temperature control | 230923 |
| Ceiling³: | | Electrical: | |
| Suspended, acoustical | 095113 | High intensity discharge lighting | 265100 |
| Painted exposed structure | 099100 | or fluorescent lighting | |
| Reflector panels | 098000 | Dimmable quartz lighting | 265100 |
| | | Theatrical lighting | 265561 |
| Walls: | | Illumination level: see table 8600-4 | |
| Painted concrete masonry units | 042000/099100 | Multilevel switching with dimming | 262726 |
| Diffusing block on 2 walls | | 6 duplex receptacles | 262726 |
| (minimum) or | 042000 | Double duplex receptacle adjacent to | |
| Acoustic treatment | 098000 | each data and video port | 262726 |
| (varies with geometry of room) | | Emergency lighting per code | 265100 |
| | | Means of egress lighting per code | 265100 |
| | | Telecommunications Grounding | 270526/260526 |
| LOOSE FURNISHINGS: | | Communications: | |
| L1 Tables | | T1 2 voice ports | 271513/273113 |
| 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 |
| | | Electronic Safety and Security: | |
| | | Life safety devices per code | 283111 |
| | | Miscellaneous: | |
| | | 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

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

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

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, rubber, or wood | | F2 Projection screen | 116143 |
| | | F3 Rear curtain with track | 116143 |
| <u>Base:</u> | | F4 Leg curtains, tracks, and/or pivots | 116143 |
| Ventilated resilient base | 096400 | F5 Sound control console receptacle | 275121 |
| | | F6 Lighting control console receptacle | 265100 |
| <u>Ceiling:</u> | | F7 Light pipe | 116143 |
| Painted exposed structure | 099100 | F8 Border curtains | 116143 |
| | | F9 Mid-stage traveler | 116143 |
| <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 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 8600-10 | |
| | | 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 | |

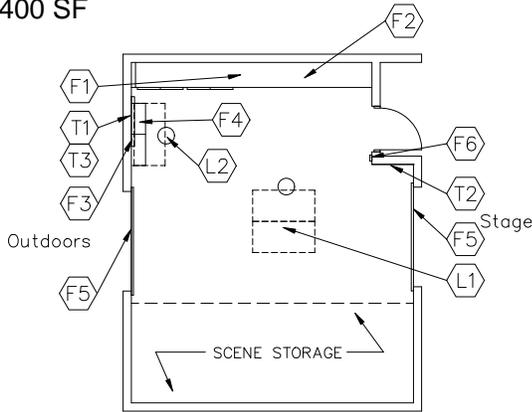
NOTES:

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.

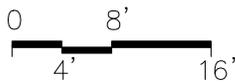
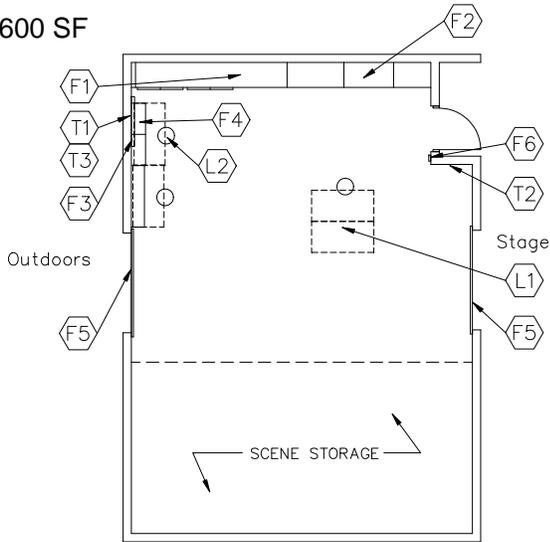
**SCENE SHOP AND STORAGE
H-SD-3**

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:

- Uniform lighting
- 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>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> : | Spec. Ref.# |
|--------------------------------|----------------|--|----------------|
| Flooring: | | <u>Fixed Items</u> ² : | |
| Cure and seal 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 | 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 |
| Pencil sharpener | | Independent temperature control | 230923 |
| | | Manual exhaust | Div. 23 |
| | | <u>Electrical:</u> | |
| | | Fluorescent lighting: | 265100 |
| | | Illumination level: see table 8600-4 | |
| | | 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 | |

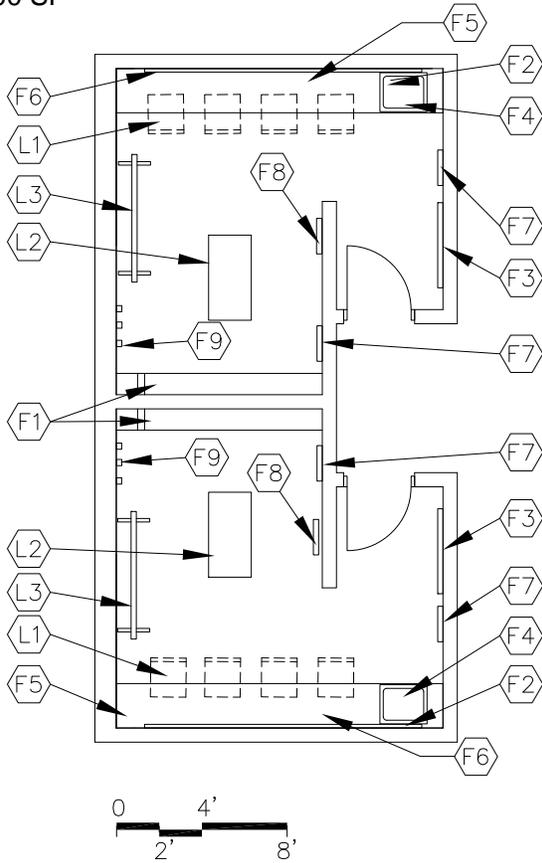
NOTES:

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:

- Uniform lighting
- Environmental sound control -
wall minimum **STC 50**
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.

MAKEUP/DRESSING ROOMS
H-SD-4

CHAPTER 6: HIGH SCHOOL

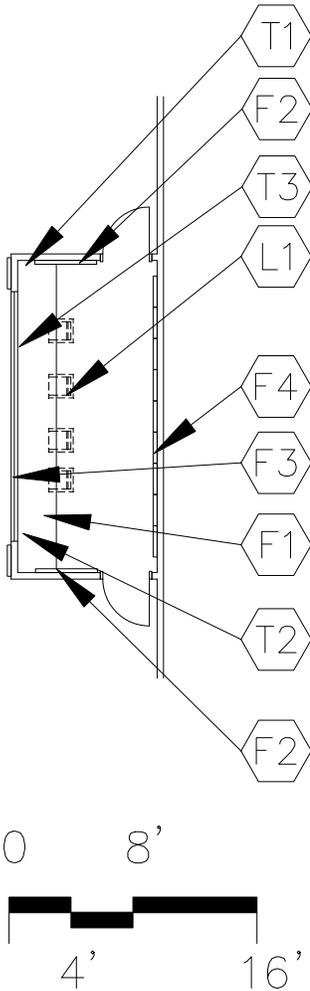
| | Spec. Ref.# | | Spec. Ref.# |
|---|--|---|----------------------|
| FINISHES¹: | | FEATURES: | |
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Vinyl composition tile, linoleum, <i>ET</i> , sheet vinyl, rubber, or Polished concrete finishing, or colored concrete finishing | 096516 096500 033510 033519 | F1 6'-16' of costume storage cabinets | 123550 |
| | | F2 Towel dispenser (optional) | 102813 |
| | | F3 4'-8' of tack board | 101100 |
| | | F4 3' sink base cabinet | 123550 |
| | | F5 8'-13' of work surface | 123550 |
| <u>Base:</u> | | F6 48" high makeup mirrors - full length of work surface | 088300 |
| Resilient base, or integral vinyl cove base | 096500 | F7 2 minimum 20" wide x 60" high dressing mirrors | 088300 |
| <u>Ceiling:</u> | | F8 Shallow wall cabinet for makeup (optional) | 123550 |
| Suspended, acoustical | 095113 | F9 Coat hooks | 102813 |
| <u>Walls:</u> | | <u>Fire Suppression:</u> | |
| Painted concrete masonry units | 042000/099100 | Fire suppression system | 211000 |
| LOOSE FURNISHINGS: | | <u>Plumbing:</u> | |
| L1 Chairs | | Sink | 224000 |
| L2 Bench | | Plumbing connections | 224000/221116/221119 |
| L3 Mobile costume rack Wastebasket | | <u>HVAC:</u> | |
| | | Supply/return air system | Div. 23 |
| | | Independent temperature control | 230923 |
| | | <u>Electrical:</u> | |
| | | Fluorescent lighting: overhead | 265100 |
| | | Incandescent lighting: over makeup mirrors | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | Single level switching | 262726 |
| | | 2 duplex receptacles | 262726 |
| | | Duplex receptacle at each makeup station under mirror | 262726 |
| | | Telecommunications Grounding | 270526/260526 |
| | | <u>Communications:</u> | |
| | | Clock | 275313 |
| | | Student Dining/Auditeria sound system | 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.

**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**

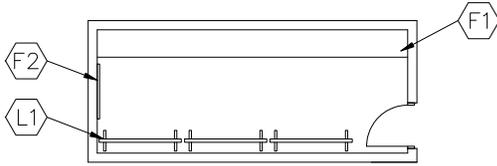
CHAPTER 6: HIGH SCHOOL

| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES:</u> | Spec. Ref.# |
|---|-------------------------|---|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Vinyl composition tile, 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, 033510 | | F3 Operable window (optional) | 085113 |
| or colored concrete finishing 033519 | | F4 Acoustic wall treatment (optional) | 098000 |
| <u>Base:</u> | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | N/A | |
| <u>Walls:</u> | | <u>HVAC:</u> | |
| Painted gypsum wallboard | | Supply/return air system | Div. 23 |
| Acoustical wall treatment | 042000/099100 098000 | Independent temperature control | 230923 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Electrical:</u> | |
| L1 Chairs | | Fluorescent lighting: overhead | 265100 |
| Wastebasket | | illumination level: See Table 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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.

200 SF



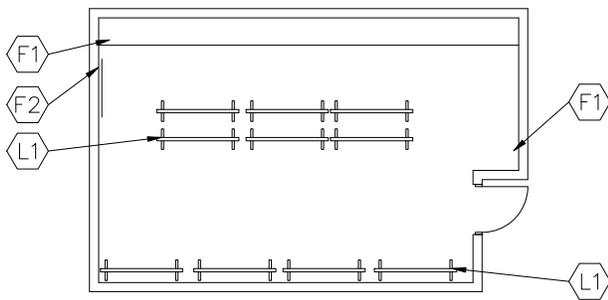
PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

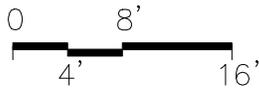
- Near scene shop/storage
- Near stage
- Near auditeria/student dining

600 SF



ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting



CAPACITY: N/A
 SIZE: 200 – 1,000 SF

NOTES:

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

DRAMA STORAGE
H-SD-6

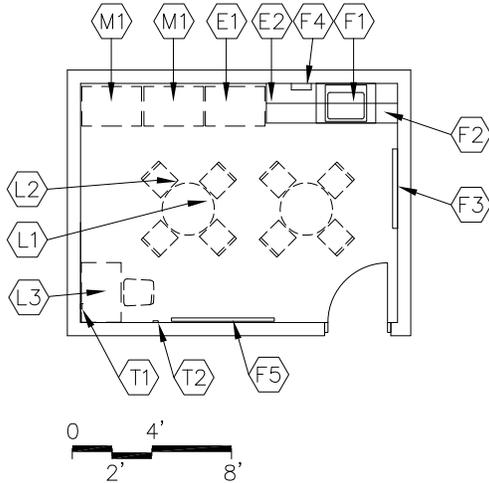
CHAPTER 6: HIGH SCHOOL

| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> : | Spec. Ref.# |
|---|----------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Vinyl composition tile, | 096500 | F1 10'-22' of costume storage cabinets | 123550 |
| <i>Polished concrete finishing, or</i> | 033510 | F2 4' of tack board (optional) | 101100 |
| <i>colored concrete finishing</i> | 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 | 042000/099100 | To be determined by Design Professional | |
| | | Supplementary heat as required | Div. 23 |
| <u>LOOSE FURNISHINGS:</u> | | <u>Electrical:</u> | |
| L1 Mobile clothes racks | | Fluorescent lighting: | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 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 | |

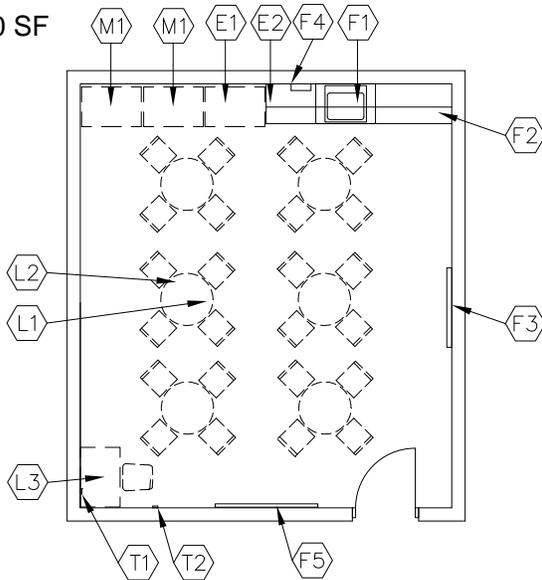
NOTES:

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

450 SF



900 SF



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

PROGRAM ACTIVITIES:

- Space for staff dining

SPATIAL RELATIONSHIPS:

- Near student dining
- Near food services

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control -
 walls minimum STC 50
 ceiling minimum CAC 35, NRC **0.70**

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, porcelain tile, | 096516 | F2 About 8' of base and wall cabinets | 123550 |
| or terrazzo tile | 093000 | F3 4' of tack board | 101100 |
| | 096616 | F4 Towel dispenser | 102813 |
| <u>Base:</u> | | F5 4'-6' of marker board (optional) | 101100 |
| 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 8600-4 | |
| E1 Refrigerator | | 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 | 271513/273113 |
| | | 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 | |

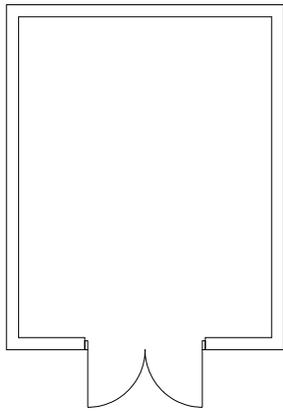
NOTES:

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

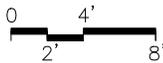
**TABLE STORAGE
H-SD-8**

CHAPTER 6: HIGH SCHOOL

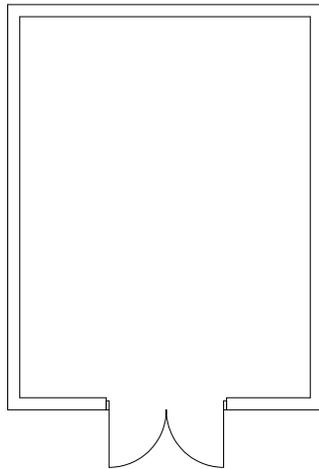
400 SF



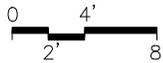
Student Dining



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:

- Uniform lighting

NOTES:

**TABLE STORAGE
H-SD-8**

CHAPTER 6: HIGH SCHOOL

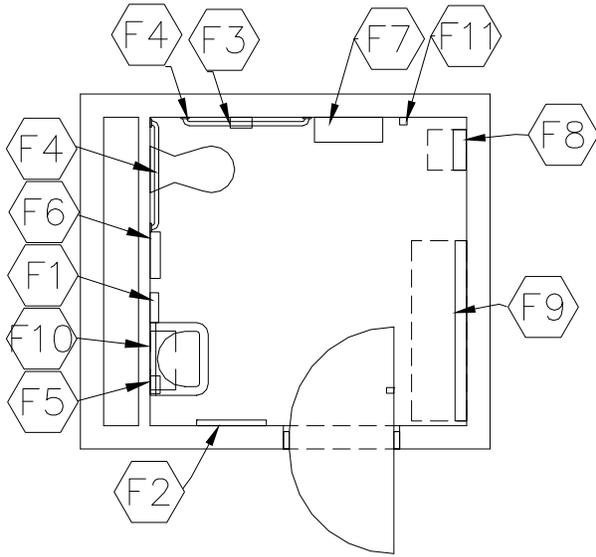
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|----------------------------------|----------------|--|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Cure and seal concrete | 093000 | N/A | |
| Base: | | <u>Fire Suppression:</u> | |
| No base | | Fire suppression system | 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 8600-4 | |
| | | 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:

- Uniform lighting
- 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:

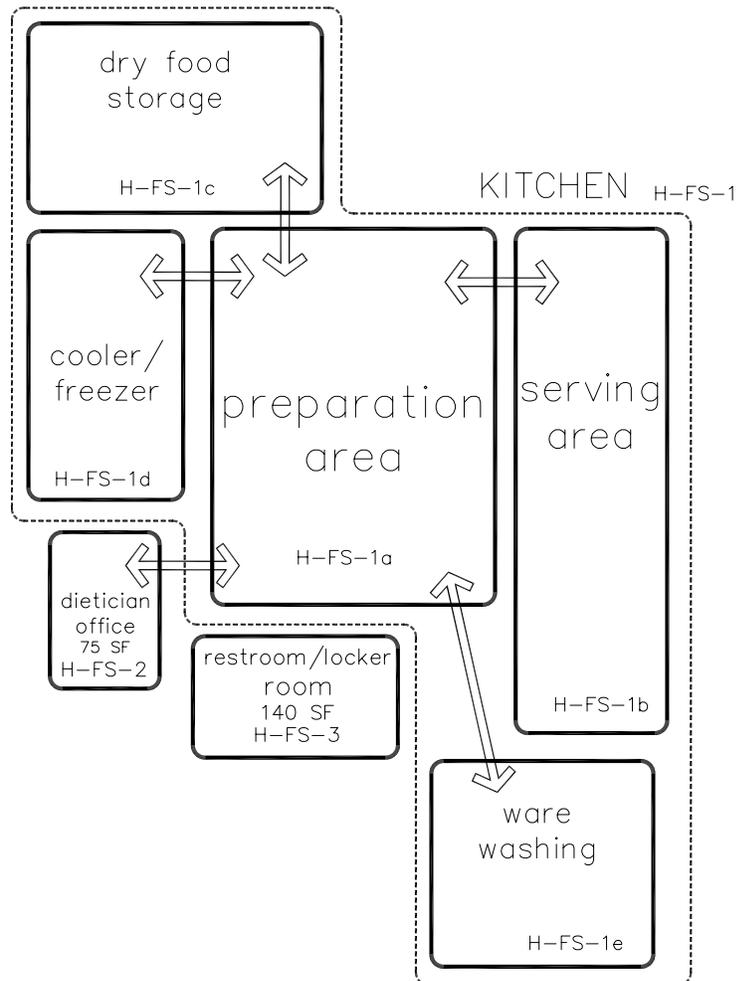
FAMILY RESTROOM
H-SD-9

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---------------------------------------|----------------|--|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Linoleum, rubber, ET , | 096516 | F1 Towel dispenser | 102813 |
| or sheet vinyl | 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>HVAC:</u> | |
| <u>LOOSE FURNISHINGS:</u> | | 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 8600-4 | |
| | | 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.



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 |

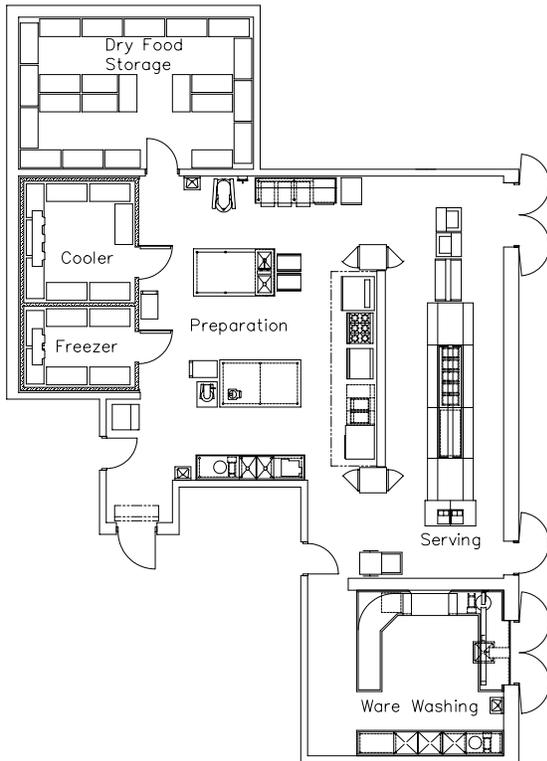
KITCHEN H-FS-1

CHAPTER 6: HIGH SCHOOL

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**

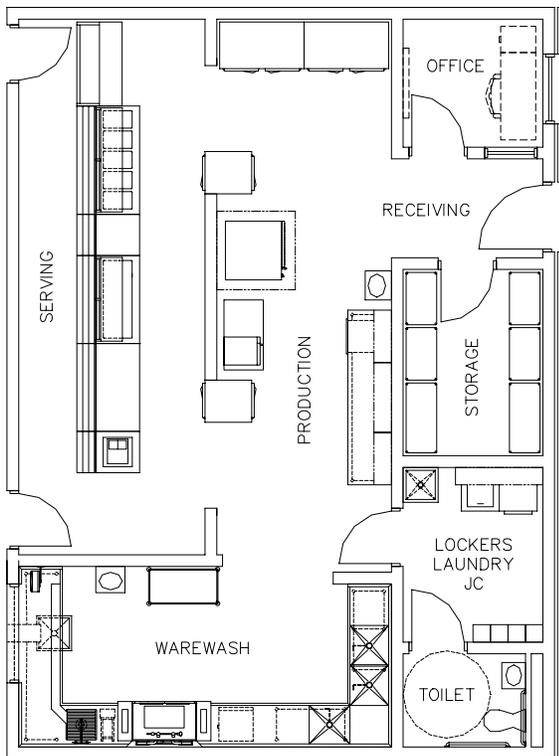
CHAPTER 6: HIGH SCHOOL

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

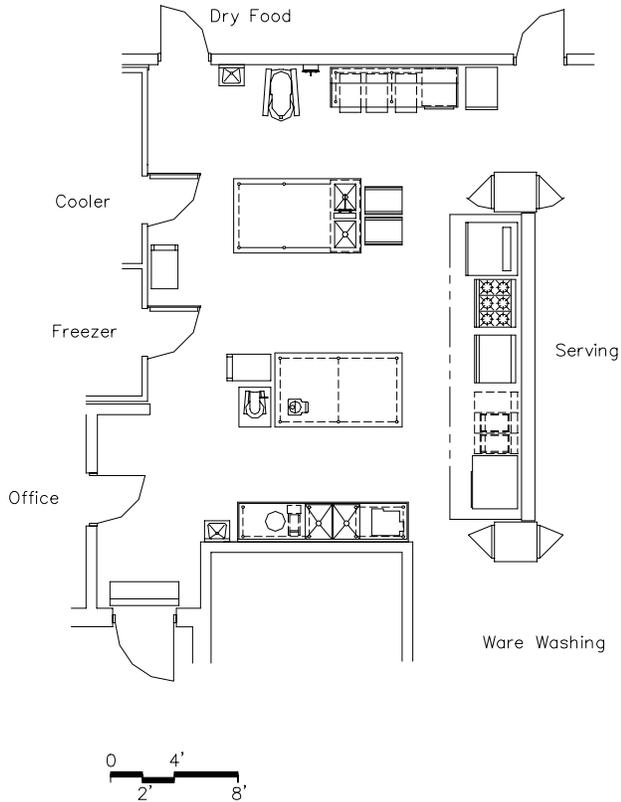
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--------------------------------------|-----------------------|--|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Quarry tile | 093000 | Food service equipment | 114000 |
| Base: | | <u>Fire Suppression:</u> | |
| Quarry tile base | 093000 | Fire suppression system | 211000 |
| Ceiling: | | <u>Plumbing:</u> | |
| Cleanable, suspended, acoustical | 095113 | Connections to food service eqpt. | 224000 |
| Walls: | | Plumbing connections | 224000/221116/221119 |
| Epoxy-painted concrete masonry units | 042000 /099100 | Hand washing lavatory | 224000 |
| Option: Ceramic wall tile or | 093000 | Gas connections | 226313 |
| 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 8600-4 | |
| | | 10 duplex receptacles | 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 | 271513/273113 |
| | | 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:

- Uniform lighting
- 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

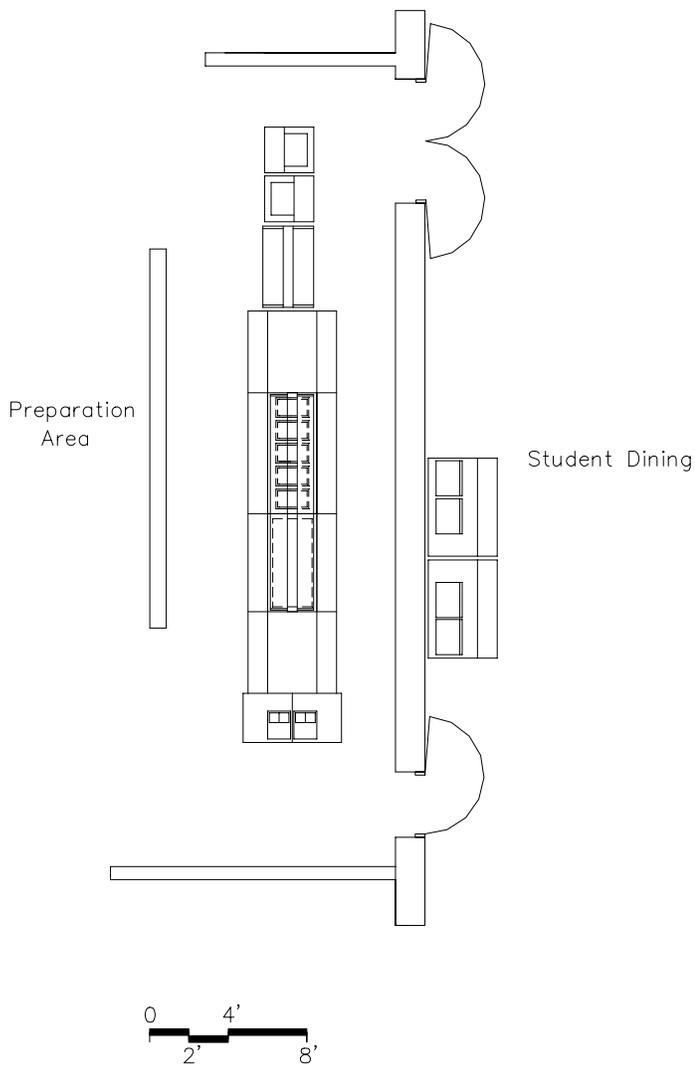
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--------------------------------------|-----------------------|--|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Quarry tile | 093000 | Food service equipment | 114000 |
| Base: | | <u>Fire Suppression:</u> | |
| Quarry tile 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 8600-4 | |
| | | 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 | 271513/273113 |
| | | 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:

- Uniform lighting
- 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

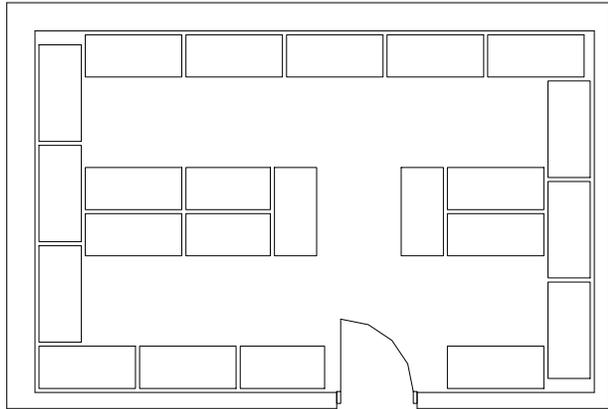
| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|--------------------------------------|-----------------------|---|----------------|
| Flooring: | | Fixed Equipment: | |
| Quarry tile | 093000 | Food service equipment | 114000 |
| Optional: porcelain tile | | | |
| Base: | | <u>Fire Suppression:</u> | |
| Quarry tile base | 093000 | Fire suppression system | 211000 |
| Optional: porcelain tile base | | | |
| Ceiling: | | <u>Plumbing:</u> | |
| Cleanable, suspended, acoustical | 095113 | Connections to food service equipment | 224000 |
| Walls: | | <u>HVAC:</u> | |
| Epoxy-painted concrete masonry units | 042000 /099100 | Supply/return air system | Div. 23 |
| Ceramic wall tile | 093000 | <u>Electrical:</u> | |
| or latex paint | 099100 | Dual level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| <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 | 271513/273113 |
| | | <u>Electronic Safety and Security:</u> | |
| | | Life safety devices per code | 283111 |
| | | <u>Miscellaneous:</u> | |
| | | N/A | |

NOTES:

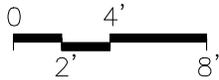
1. Finishes/Features: Refer to Chapter 9 for specification references and refer to Chapter 10 for a list of possible food service equipment.

**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:

- Uniform lighting
- 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.

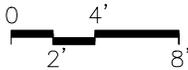
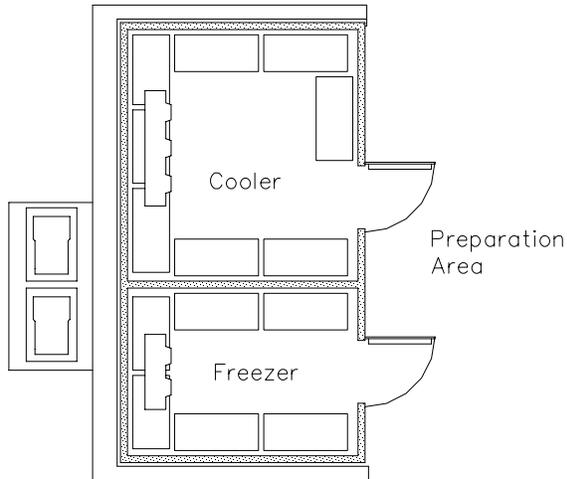
KITCHEN - Dry Food Storage
H-FS-1c

CHAPTER 6: HIGH SCHOOL

| | Spec. Ref.# | | Spec. Ref.# |
|--------------------------------------|----------------|---|----------------|
| <u>FINISHES</u>¹: | | <u>FEATURES</u>¹: | |
| Flooring: | | <u>Fixed Items:</u> | |
| Linoleum, <i>ET</i> , or sheet vinyl | 096500 | Food service equipment | 114000 |
| Option: Quarry tile | 093000 | | |
| | 096516 | <u>Fire Suppression:</u> | |
| Base: | | Fire suppression system | 211000 |
| Resilient base | 096500 | | |
| Option: Quarry tile | 093000 | <u>Plumbing:</u> | |
| | | N/A | |
| Ceiling: | | <u>HVAC:</u> | |
| Cleanable, suspended, acoustical | 095113 | Exhaust air system | Div. 23 |
| | | Supply/return air system | Div. 23 |
| Walls: | | <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 8600-4 | |
| | | 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.



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:

- Uniform lighting
- 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

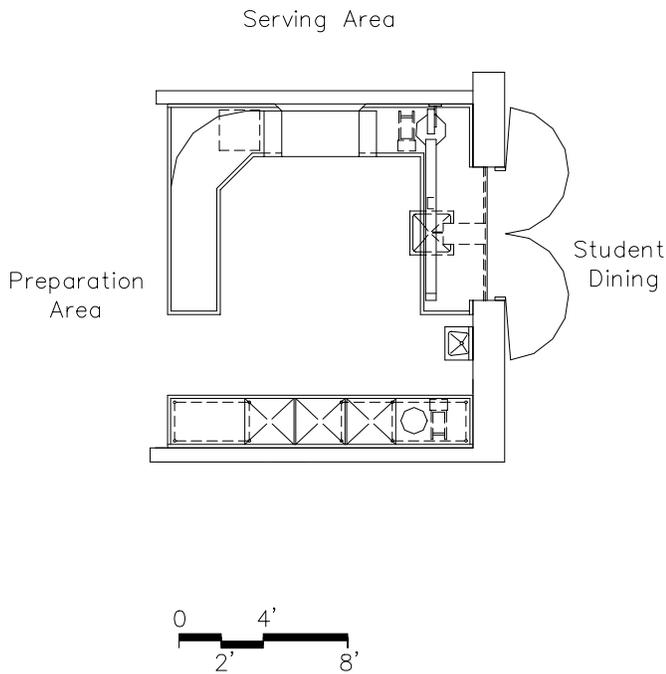
| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|--------------------------------|----------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Quarry tile | 093000 | Food service equipment | 114000 |
| Base: | | <u>Fire Suppression:</u> | |
| Quarry tile 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 8600-4 | |
| | | 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:

- Uniform lighting
- 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.

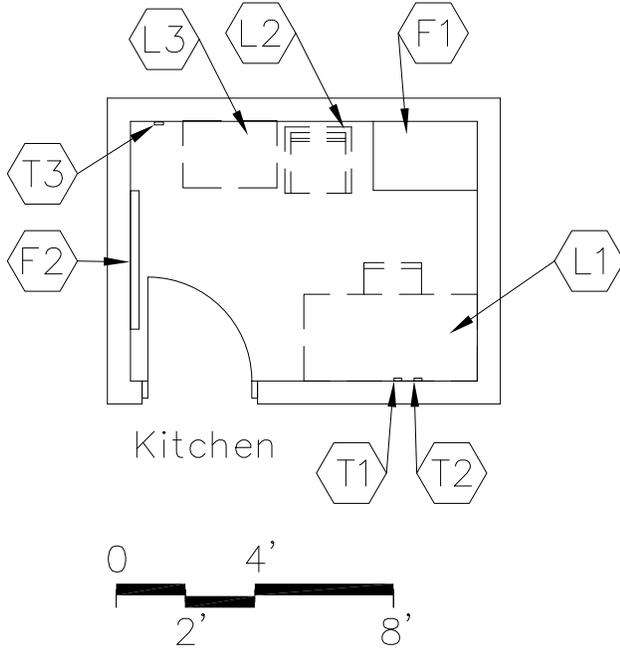
**KITCHEN - Ware Washing
H-FS-1e**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--------------------------------------|----------------------|--|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Quarry tile | 093000 | Food service equipment | 114000 |
| Base: | | <u>Fire Suppression:</u> | |
| Quarry tile 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 8600-4 | |
| | | 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.



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Adjacent to kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- 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

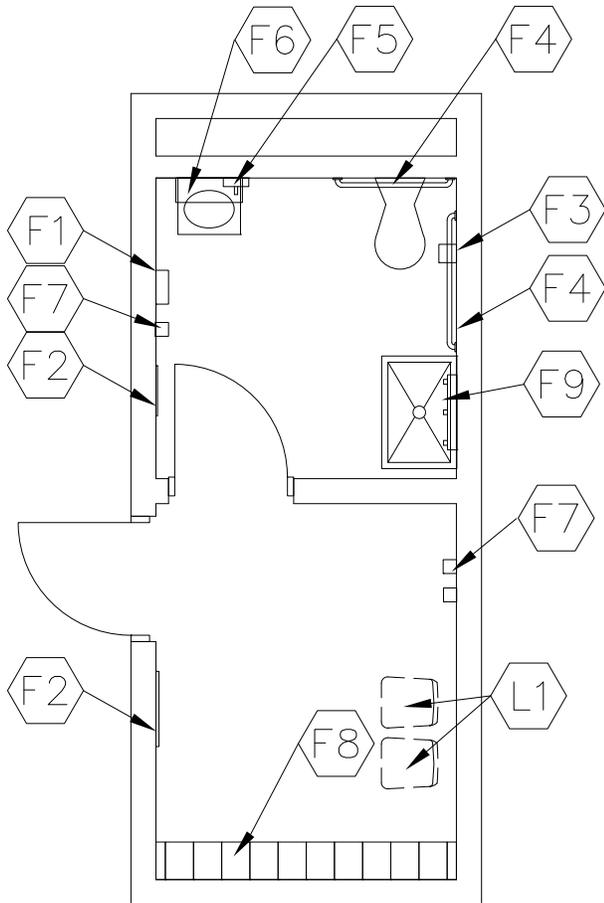
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|----------------|---|----------------|
| Flooring: | | | |
| Linoleum, <i>ET</i> , or sheet vinyl | 096500 | Fixed Items: | |
| | 096516 | F1 2' of tall wardrobe (optional) | 123550 |
| Option: Quarry tile | 093000 | F2 4' of tack board | 101100 |
| Base: | | | |
| Resilient base | 096500 | Fire Suppression: | |
| Option: Quarry tile | 093000 | Fire suppression system | 211000 |
| Ceiling: | | | |
| Suspended, acoustical | 095113 | Plumbing: | |
| N/A | | | |
| Walls: | | | |
| Painted concrete masonry units | 042000/099100 | HVAC: | |
| | | Supply/return air system | Div. 23 |
| | | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| LOOSE FURNISHINGS: | | | |
| L1 Desk and chair | | Electrical: | |
| L2 Visitor chair | | Single level switching | 262726 |
| L3 File cabinet | | Fluorescent lighting | 265100 |
| Wastebasket | | Illumination level: See Table 8600-4 | |
| | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to data and video port | 262726 |
| Communications: | | | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | T2 1 data port near workstation | 271513 |
| | | T3 1 video port | 271533/271543 |
| | | Central sound system | 275123 |
| | | Clock | 275313 |
| Electronic Safety and Security: | | | |
| | | Life safety devices per code | 283111 |
| Miscellaneous: | | | |
| | | 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:

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

NOTES:

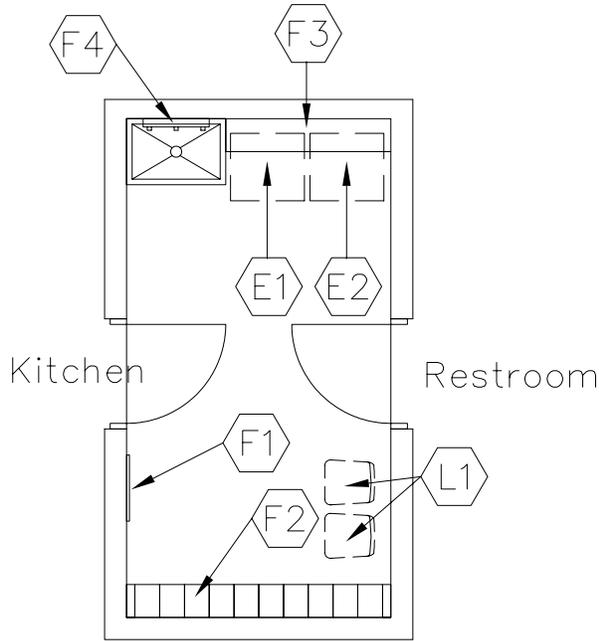
**RESTROOM / LOCKER ROOM
H-FS-3**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES</u> ¹ : | Spec. Ref.# | <u>FEATURES</u> ¹ : | Spec. Ref.# |
|------------------------------------|----------------|---|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Linoleum, <i>ET</i> , sheet vinyl, | 096516 | F1 Towel dispenser | 102813 |
| rubber, rubber tile, | 096500 | F2 2 , 24" x 60" mirrors | 102813 |
| Optional: quarry tile | 093000 | F3 Toilet tissue holder | 102813 |
| | | 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 | | F9 Mop holder | 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 |
| | | 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 8600-4 | |
| | | 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.

SPATIAL RELATIONSHIPS:

- Adjacent to kitchen
- Adjacent to restroom

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- 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.

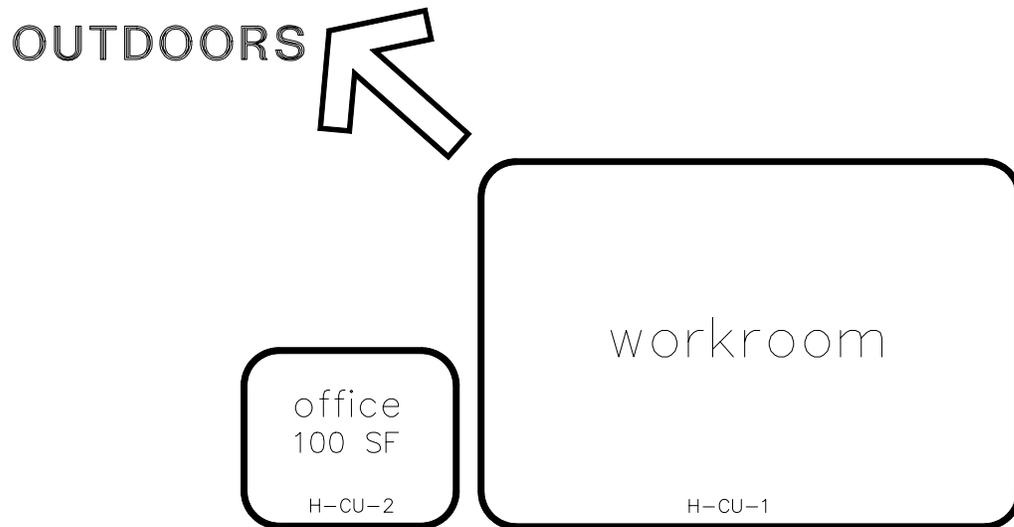
**LOCKER ROOM
H-FS-4**

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 8600-4 | |
| | | 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:

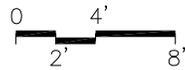
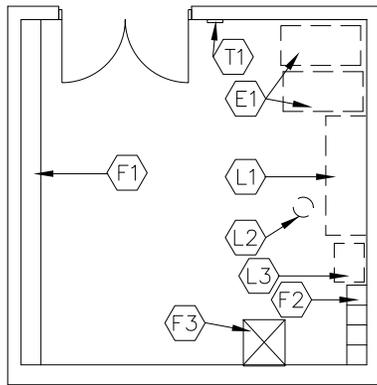
This is an example of how the custodial spaces in a high school could be arranged. This is meant only to demonstrate the relationships between various spaces of this area.

Following are the Custodial space plates:

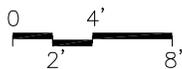
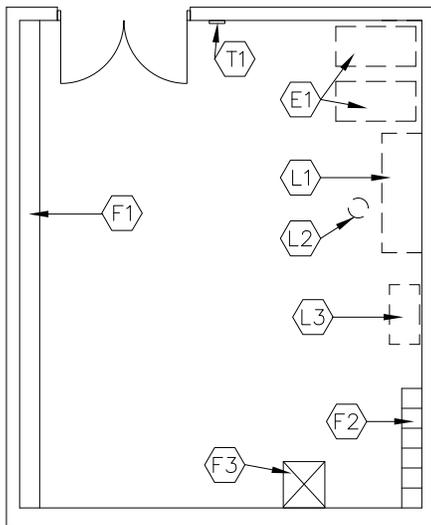
| | |
|--------|------------------|
| H-CU-1 | Workroom |
| H-CU-2 | Custodial Office |

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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:

- Uniform lighting

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> | |
| <i>Polished concrete finishing, or colored concrete finishing</i> | 033510 033519 | F1 10' - 24' of open shelving, depths can vary (fixed or loose) | 123550 105113 |
| <u>Base:</u> | | F2 4 - 6 lockers | 102813 |
| Resilient base | 096500 | F3 Mop holder | 102813 |
| <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 | Floor service sink | 224000 |
| <u>LOOSE FURNISHINGS:</u> | | <u>HVAC:</u> | |
| L1 Workbench | | Supply/return air system | Div. 23 |
| L2 Stool | | Independent temperature control | 230923 |
| L3 Tool cabinet | | <u>Electrical:</u> | |
| Waste receptacles | | Fluorescent lighting | 265100 |
| <u>EQUIPMENT:</u> | | Illumination level: See Table 8600-4 | |
| E1 Recycling bins | | Single level switching | 262726 |
| | | 4 duplex receptacles (minimum) | 262726 |
| | | Electrical receptacles for custodial equipment | 262726 |
| | | <u>Communications:</u> | |
| | | T1 1 voice port and phone | 271513/273113 |
| | | Central sound system | 275123 |
| | | Clock | 275313 |
| | | <u>Electronic Safety and Security:</u> | |
| | | Life safety devices per code | 283111 |
| | | <u>Miscellaneous:</u> | |
| | | N/A | |

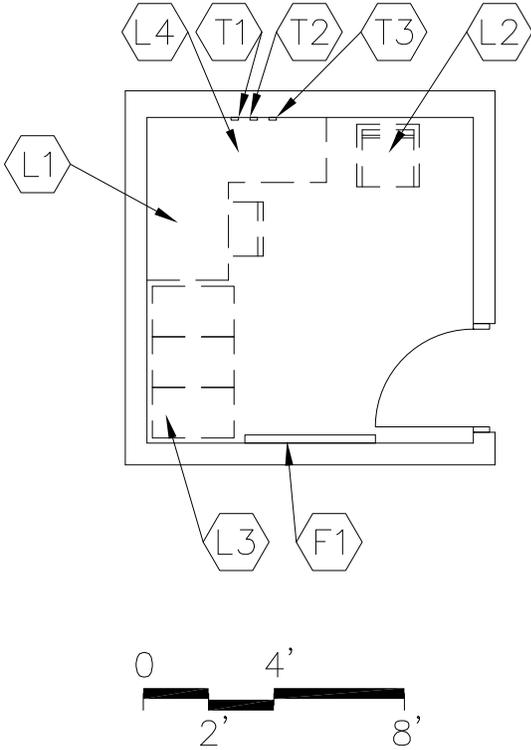
NOTES:

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:

- Uniform lighting
- 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

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--|--|---|----------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Vinyl composition tile, linoleum, <i>ET</i> , sheet vinyl, <i>polished concrete finishing, or</i> <i>colored concrete finishing</i> | 096500 096516 033510 033519 | F1 4' of tack board (optional) | 101100 |
| <u>Base:</u> | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Suspended, acoustical | 095113 | N/A | |
| <u>Walls:</u> | | <u>HVAC:</u> | |
| Painted concrete masonry units | 042000/099100 | Supply/return air system | Div. 23 |
| <u>LOOSE FURNISHINGS:</u> | | Independent temperature control (coupled with similarly loaded adjacent spaces) | 230923 |
| L1 Desk and chair | | <u>Electrical:</u> | |
| L2 Visitor chair | | Single level switching | 262726 |
| L3 File cabinets | | Fluorescent lighting | 265100 |
| L4 Computer desk return | | Illumination level: See Table 8600-4 | |
| Wastebasket | | 4 duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to data and modem port | 262726 |
| | | <u>Communications:</u> | |
| | | T1 Modem port for temperature controls computer | 271523 |
| | | T2 1 voice port and phone | 271513/273113 |
| | | 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 |

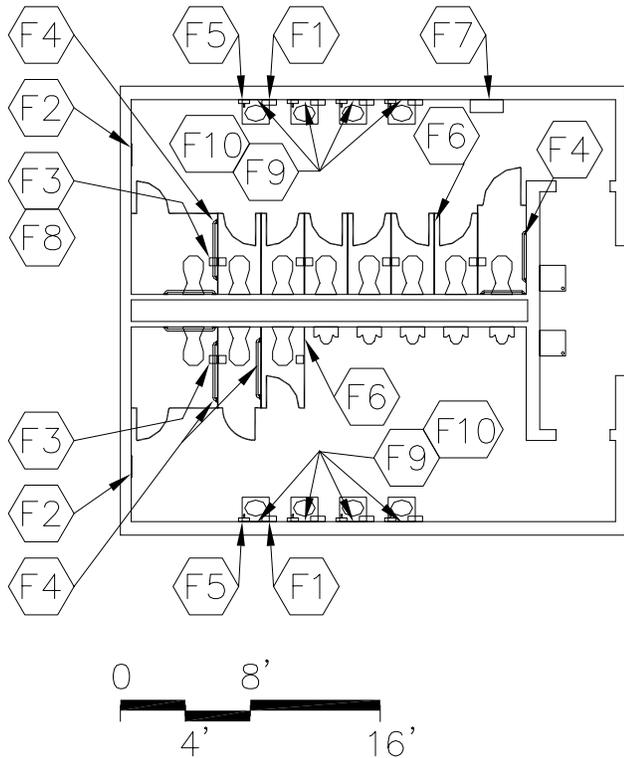
NOTES:

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
- Groups of restrooms should be located in several areas throughout the building

SPATIAL RELATIONSHIPS:

- Near student dining area
- Near public use areas, such as media center and gymnasium
- Near academic core area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- 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.

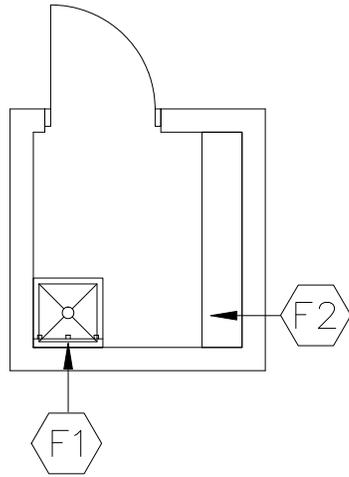
**LARGE GROUP RESTROOMS
H-BS-1**

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, | 093000 | F2 24" x 60" mirror | 102813 |
| terrazzo tile, rubber, or | 096616 | F3 Toilet tissue holders | 102813 |
| resinous flooring | 096723 | F4 36" and 42" grab bar | 102813 |
| | | F5 Soap dispensers | 102813 |
| <u>Base:</u> | | F6 Toilet partitions | 102113 |
| Ceramic mosaic tile base | 093000 | F7 Sanitary product dispenser | 102813 |
| Optional: structural glazed tile, | 096616 | F8 Sanitary product receptacles | 102813 |
| porcelain tile base, or | 093000 | F9 16" x 24" mirrors with shelf (optional) | 102813 |
| resinous flooring | 096723 | 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> | |
| <u>Walls:</u> | | Wall-mounted water closets | 224000 |
| Painted concrete masonry unit | | Wall-mounted urinals | 224000 |
| | 042000/099100 | Wall-mounted lavatories | 224000 |
| | | or wash fountains | |
| | | Wall hydrants | 224000 |
| | | Plumbing connections | 224000/221116/221119 |
| | | Floor drains | Div. 22 |
| | | Drinking water cooler | 224000 |
| <u>LOOSE FURNISHINGS:</u> | | <u>HVAC:</u> | |
| Waste Receptacles | | 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 8600-4 | |
| | | 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:

- Uniform lighting

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.# |
|-----------------------------------|----------------|--|----------------------|
| <u>Flooring:</u> | | <u>Fixed Items:</u> | |
| Cure and seal concrete | 033000 | F1 Mop holder | 102813 |
| Vinyl composition tile (optional) | 096500 | F2 Fixed or loose shelving (optional) | 123550 |
| <u>Base:</u> | | <u>Fire Suppression:</u> | |
| Resilient base | 096500 | Fire suppression system | 211000 |
| <u>Ceiling:</u> | | <u>Plumbing:</u> | |
| Cleanable, suspended, acoustical | 095113 | Service sink or floor drain sink | 224000 |
| <u>Walls:</u> | | Plumbing connections | 224000/221116/221119 |
| Painted concrete masonry units | 042000/099100 | <u>HVAC:</u> | |
| <u>LOOSE FURNISHINGS:</u> | | Exhaust air system | Div. 23 |
| Shelving (optional) | | <u>Electrical:</u> | |
| | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 1 duplex receptacle | 262726 |
| | | <u>Communications:</u> | |
| | | N/A | |
| | | <u>Electronic Safety and Security:</u> | |
| | | N/A | |
| | | <u>Miscellaneous:</u> | |
| | | N/A | |

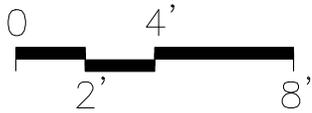
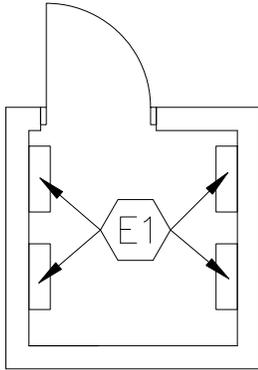
NOTES:

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:

- Uniform lighting

NOTES:

**ELECTRICAL CLOSET
H-BS-3**

CHAPTER 6: HIGH SCHOOL

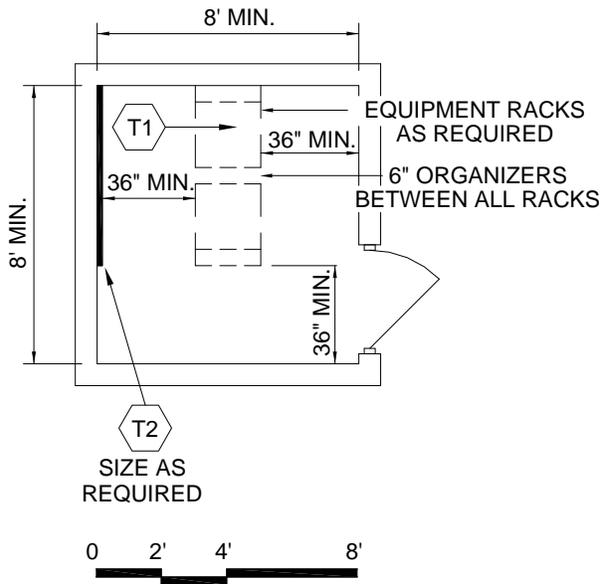
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|--------------------------------------|----------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| <i>Cure and seal</i> concrete | 033000 | N/A | |
| Base: | | <u>Fire Suppression:</u> | |
| No base | | Fire suppression 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 8600-10 | |
| | | 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:

- Uniform lighting

| | |
|---------------------------|--------------------------------|
| CAPACITY: | N/A |
| SIZE: | 64 SF |
| 0-75,000 SF = | (?) 8 ft. x 8 ft. min. |
| 75,00-150,000 SF = | (1) 8 ft. x 10 ft., and |
| | (?) 8 ft. x 8 ft. |
| 150,000 SF plus = | (2) 8 ft. x 10 ft., and |
| | (?) 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.

**TELECOMMUNICATIONS ROOM
H-BS-4**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|---|------------------|--|----------------------|
| Flooring: | | <u>Fixed Items:</u> | |
| <i>Polished concrete finishing, or colored concrete finishing</i> | 033510 033519 | 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 | Exhaust air system | Div. 23 |
| <u>LOOSE FURNISHINGS</u> | | <u>Electrical:</u> | |
| N/A | | Single level switching | 262726 |
| | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | 1 duplex receptacle | 262726 |
| | | Receptacles for data equipment | 262726 |
| | | Telecommunications Grounding | 270526/260526 |
| | | <u>Communications:</u> | |
| | | T1 Technology equipment | |
| | | Central sound system | 275123 |
| | | Telephone Wiring | 271313/271513 |
| | | Integrated Telephone System | 273113 |
| | | Video Wiring | 271333/271533/271543 |
| | | Digital on Demand Delivery System | 274125 |
| | | Local Area Network Wiring | 271513/271323 |
| | | Local Area Network Electronics | 272100 |
| | | 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 | |

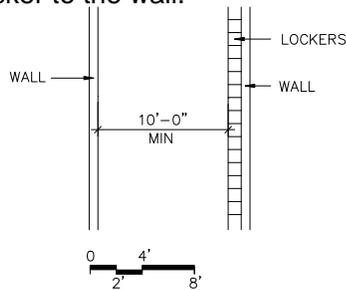
NOTES:

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

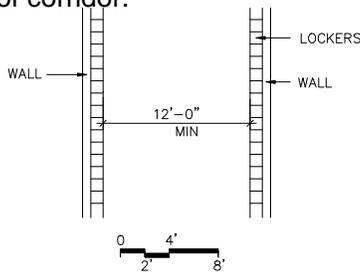
CORRIDORS H-BS-5

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:

- Uniform lighting

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.**

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> | |
| Vinyl composition tile, linoleum, ET , sheet vinyl, carpet, or rubber | 096516 096500 096816 | Corridor lockers | 105113 104400 |
| Base: | | Recessed vinyl floor mats or surface mats | 124813 |
| Resilient base | 096500 | Tack board or tackable wall surface | 101100 |
| Optional: structural glazed tile | 042000 | <u>Fire Suppression:</u> | |
| Ceiling: | | N/A | |
| Suspended, acoustical | 095113 | <u>Plumbing:</u> | |
| Option in vestibules: Abuse resistant gypsum wallboard | 092116 | Drinking water coolers | 224000 |
| Walls: | | <u>HVAC:</u> | |
| Painted concrete masonry units | 042000/099100 | Supply/return air system | Div. 23 |
| <u>LOOSE FURNISHINGS:</u> | | Temperature control from adjacent instructional spaces | 230923 |
| Recycling bins and waste receptacles | | <u>Electrical:</u> | |
| Fixed or loose benches | | Dual level switching | 262726 |
| NOTE: At entries adjacent to dining/ commons area, match dining/commons flooring. | | Fluorescent lighting | 265100 |
| | | Illumination level: See Table 8600-4 | |
| | | Duplex receptacles | 262726 |
| | | Double duplex receptacle adjacent to each video port | 262726 |
| | | Means of egress lighting per code | 265100 |
| | | Emergency lighting | 265100 |
| | | <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 | |

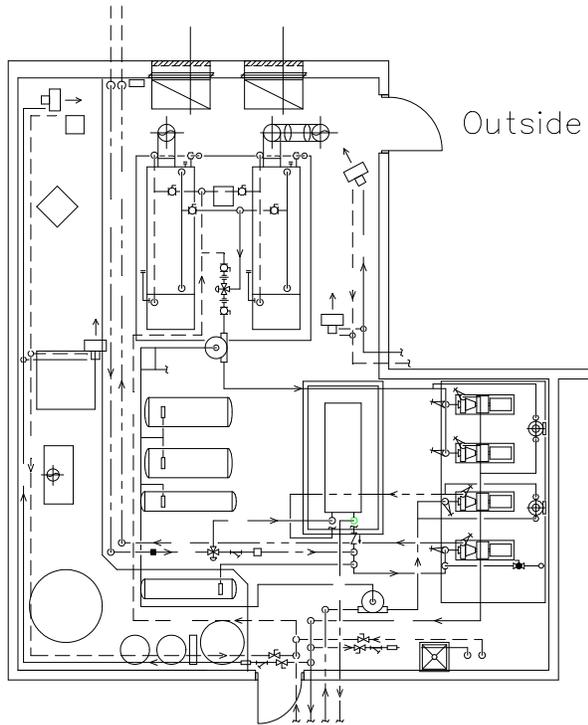
NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Vinyl composition tile, linoleum, VET, or sheet vinyl is to be used in vestibules, stairwells, and elsewhere as appropriate. Porcelain tile or terrazzo 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:

- Uniform lighting
- 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.

**MECHANICAL/ELECTRICAL SPACE/DECKS
H-BS-6**

CHAPTER 6: HIGH SCHOOL

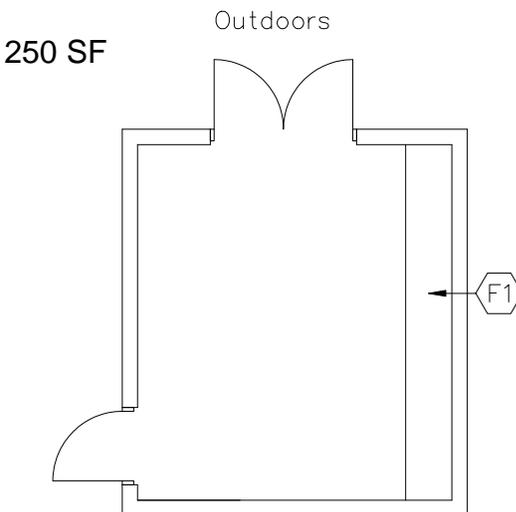
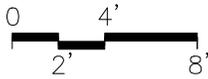
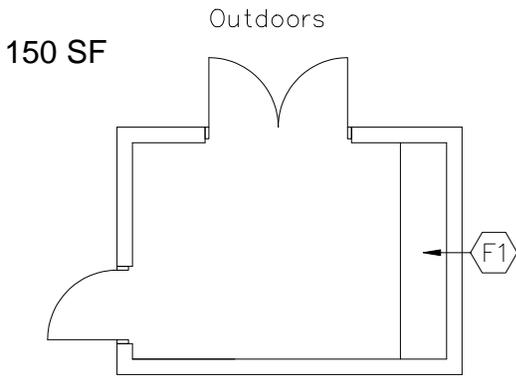
| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|----------------------------------|----------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Cure and seal concrete | 033000 | To be determined by Design Professional | |
| Base: | | <u>Fire Suppression:</u> | |
| No base | | To be determined by Design Professional | |
| Ceiling: | | <u>Plumbing:</u> | |
| Exposed structure | --- | To be determined by Design Professional | |
| Walls: (note 2) | | <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 8600-4 | |
| | | Others as determined by Design Professional | |
| | | <u>Communications:</u> | |
| | | Central sound system | 275123 |
| | | Voice port and phone | 271513/273113 |
| | | <u>Electronic Safety and Security:</u> | |
| | | To be determined by Design Professional | |
| | | <u>Miscellaneous:</u> | |
| | | N/A | |

NOTES:

1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Option for penthouse to use metal panel on concrete masonry or metal panel on metal framing wall systems.

**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> | |
| Cure and seal 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 8600-4 | |
| | | 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:

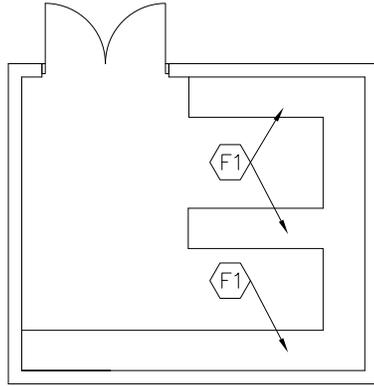
1. Finishes/Features: Refer to Chapter 9 for specification references.
2. Ranges shown indicate quantities for the smallest and largest possible room size.

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

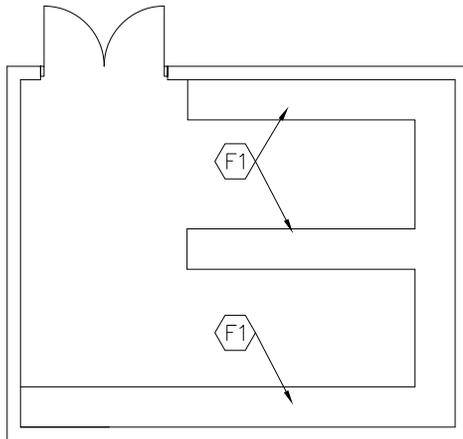
CHAPTER 6: HIGH SCHOOL

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

250 SF



400 SF



CAPACITY: N/A
SIZE: 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:

- Uniform lighting

NOTES:

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

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|----------------------------------|----------------|--|----------------|
| Flooring: | | <u>Fixed Items²:</u> | |
| Cure and seal 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 8600-4 | |
| | | 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 | |

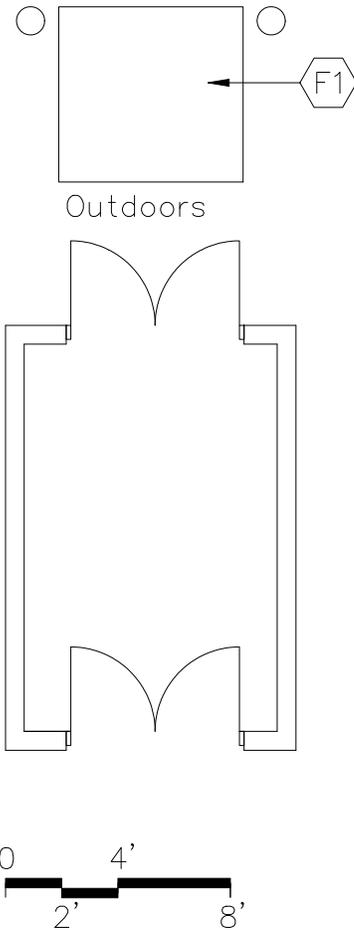
NOTES:

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

**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:

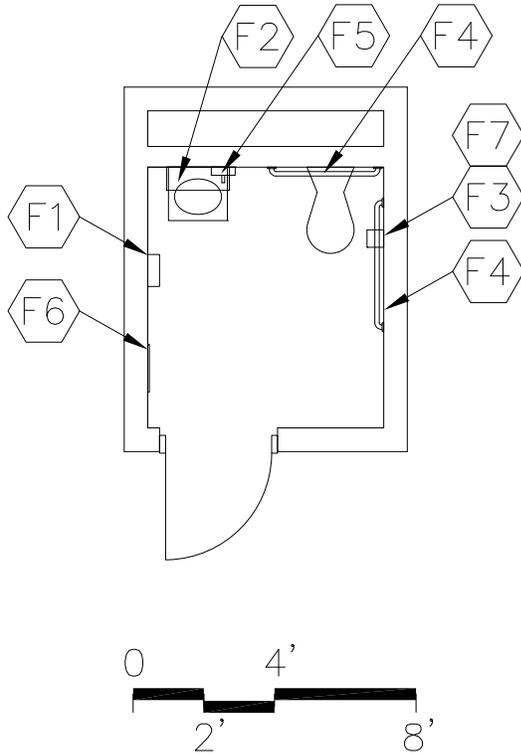
**LOADING/RECEIVING AREA
H-BS-9**

CHAPTER 6: HIGH SCHOOL

| <u>FINISHES¹:</u> | Spec. Ref.# | <u>FEATURES¹:</u> | Spec. Ref.# |
|----------------------------------|----------------|---|----------------|
| Flooring: | | <u>Fixed Items:</u> | |
| Cure and seal 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> | |
| Unpainted concrete masonry units | 042000 | 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 8600-4 | |
| | | 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.



CAPACITY: 1 person
 SIZE: 50 SF
 ANCILLARY SPACES:

PROGRAM ACTIVITIES:

- Personal and health needs for the building occupants

SPATIAL RELATIONSHIPS:

- Near academic area

ENVIRONMENTAL CONSIDERATIONS:

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

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> | |
| Linoleum, <i>ET</i> , sheet vinyl, or rubber | 096516 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 |
| | | F5 Soap dispenser | 102813 |
| <u>Base:</u> | | F6 Sanitary product dispenser | 102813 |
| Resilient base | 096500 | F7 Sanitary product receptacle | 102813 |
| Optional: quarry tile, resinous flooring, or integral vinyl cove base | 093000 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 |
| | | 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 8600-10 | |
| | | 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.