CHAPTER 6: HIGH SCHOOL INTRODUCTION

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 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.

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.

NO SMOKING SIGNS As required by the Ohio Revised Code, post "No Smoking" signs at

every entrance door into the building. If a door is for exit only, there is no need for a sign. Post the signs on entrance glass or other appropriate surface. Signs shall contain a telephone number for

reporting violations. (866/559-6446)

DIAGRAM Diagrams of the space have been developed to show how some of the

features and loose furnishings may be organized. The space is not

required to be designed in the configuration shown.

PROGRAM ACTIVITIES Program activities indicate the type of activities that may occur in the

space. These activities will vary from school district to school district

depending on the educational program.

SPATIAL RELATIONSHIPS Relationships of a particular room to other spaces and activities have

been identified to assist the Design Professional in the design of the

facility.

ENVIRONMENTAL CONSIDERATIONS Environmental considerations are items that may affect

the educational program. They are the basis of some the requirements of Finishes, Features, Plumbing, HVAC, Electrical, and Technology. Storage rooms shall not be required to be exhausted if there is no objectionable transfer (odors or hazardous gas) to adjacent

spaces.

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.

OPERABLE WINDOWS

LIGHTING

Operable windows are optional in exterior window fenestration.

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.

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.

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.

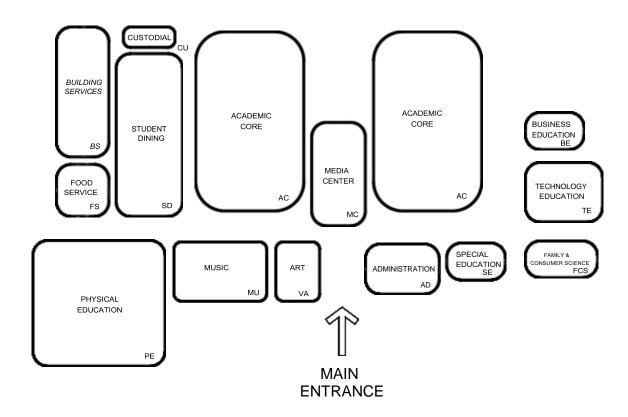
FEATURES

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.

TECHNOLOGY

The location of projectors, in spaces where required, shall be carefully coordinated between the Design Professionals in relation to the projection surface and ADA requirements. Note that classroom projectors are required to be ultra-short throw interactive projectors (refer to Section 274119). Classroom instructor AV interfaces and AV equipment are to be comprised of digital systems. Coordination is required between the Design Professionals to accommodate the digital solution that is selected by the District. Refer to Section 271543 and Figure 1, within that section, for a general overview of classroom equipment and interconnectivity requirements. The District's Digital Media Management System requires Design Professionals coordination for adequate dedicated rooftop space for current and potential future system antennas for incorporation of digital broadcast media sources as selected by the District (refer to Section 274125). Design Professionals should especially note that the classroom's dedicated 4 student data ports and associated work stations have been removed. A robust Wireless Local Area Network (WLAN). capable of supporting 1:1 and/or Bring Your Own Device (BYOD) throughout all educational areas is now required. Refer to Section 272133 for all of the new requirements for the District's WLAN.



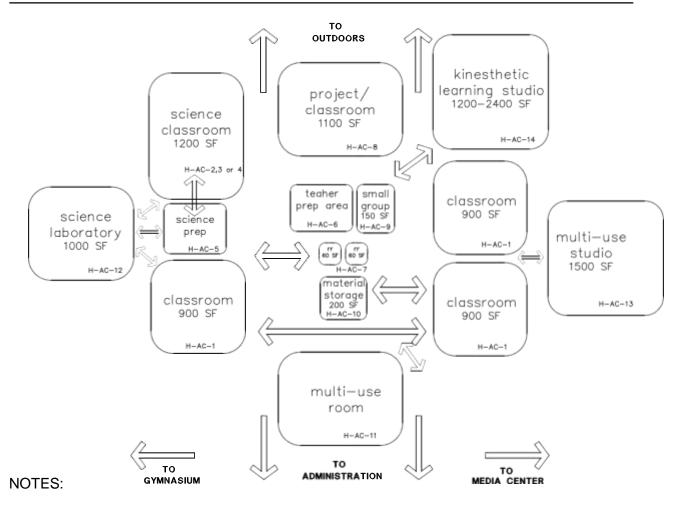
NOTES:

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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CHAPTER 6: HIGH SCHOOL

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

Following are the Academic Core space plates:

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

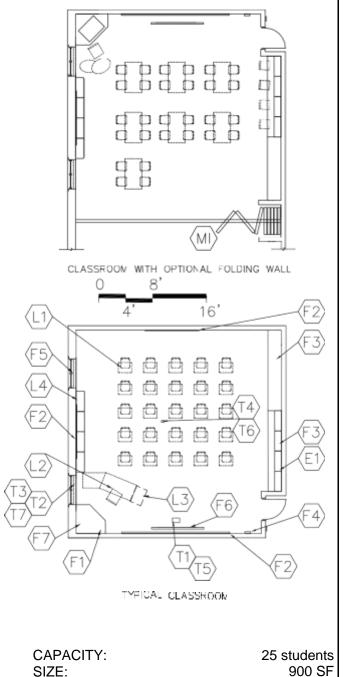
H-AC-12 Science Laboratory
H-AC-13 Multi-Use Studio

H-AC-14 Kinesthetic Learning Studio

ACADEMIC	CORE	SPACES
H-AC		

CHAPTER 6: HIGH SCHOOL

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

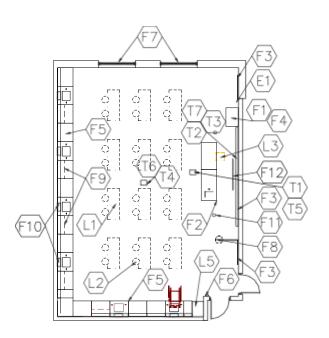
- 1. Loose furnishings shown represent one of many possible arrangements.
- 2 Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.

HIGH SCHOOL CLASSROOM H-AC-1

H-AC-1	<u> </u>			CHAPTER 6: HIGH	
LINIIOI	IEC1.	Spec.		TUDEC1.	Spec.
FINISH Floorin	<u></u>	Ref.#		TURES ¹ : d Items:	<u>Ref.#</u>
	rpet, carpet tile	096816	F1	Tall wardrobe with file drawers	123550
	tional: linoleum, ET,	096516	F2	20'-32' combination marker	101100
	sheet vinyl, or rubber	096500		board, tack board and tackable wa	
		096813	F3	18'-24' combination base and wall cabinets	123550
Base:			F4	Pencil sharpener support (optional)	
Re	silient base	096500	F5	Windows with integral blinds	085113
Coiling			F6 F7	Projection screen (optional)	115213
Ceiling	: spended, acoustical	095113	<i>[[]</i>	Technology support casework	123550
Ou.	sperided, debusiledi	000110	Fire	Suppression:	
Walls:				Fire suppression system	211000
Pai	nted concrete masonry units		Plun	nbing:	
	04200	0/099100		N/A	
1.000	THE IDNIE WAS CO.		HVA		D: 00
	<u>E FURNISHINGS</u> : tudent desks and chairs			Supply/return air system Independent temperature control	Div. 23 230923
	eacher desk or workstation/com	puter	Flec	trical:	200020
	support and chair	puto.		Fluorescent lighting:	265100
L3 Fi	ile cabinet			Illumination level: See Table 860	0-5
	of low bookcases (fixed or mob	ile)		Multilevel switching	262726
W	/astebasket			4 duplex receptacles	262726
				Double duplex receptacle adjacent each data and video port	262726
			Com	nmunications:	202120
			T1	1 <i>projector</i> video port	271543
			T2	1 voice port and phone 271513	3/273123
			T3	1 data port near teacher workstatio	
			T4	Wireless access point cable above	
				Clock	271513 275313
				Central sound system	275123
				Sound reinforcement system	275127
Miscell	aneous:		T5	Ultra-short throw interactive proj	
Р	encil sharpener <i>(optional)</i>				274119
N44 ^			<i>T</i> 6		AP) as
	perable partitions between class	srooms 02226		determined by Design – refer to	Note 4 272133
a	re optional	02220	<i>T7</i>	Classroom technology center view	
E1 D	uplex receptacle with dedicate	ed	''	271543, 274116, 274119,	
	circuit for wireless devices		Elec	tronic Safety and Security:	
				Life safety devices per code	283111

- 1. Finishes/Features: Refer to Chapter 9 for specification references.
- 2. Technology components may be placed in a separate small cabinet, or integrated in the other casework in the room.
- 3. Where appropriate, some casework may be mobile to add flexibility and could become part of the loose furnishings.
- 4. Baseline includes WAP cable per classroom. WAP device quantity/placement per 272133 requirements.

SCIENCE CLASSROOM- GENERAL/PHYSICS H-AC-2



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

 Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.

Recommended: Daylighting design with glazing area determined by design solution.

- Environmental sound control wall only minimum STC 45 ceiling minimum CAC 35, NRC 0.70
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

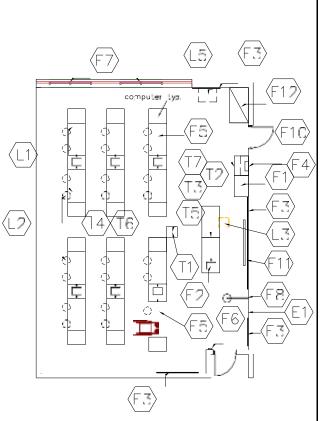
CAPACITY: 24 - 28 students
SIZE: 1,200 SF
ANCILLARY SPACES: Science Prep
H-AC-5

- 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

H-AC-2		CHAPTER 6: HIGH SCHOOL
FINISHES ¹ :	Spec. Ref.#	Spec. FEATURES ¹ : Ref.#
Flooring: Linoleum, rubber, ET, sheet vinyl, polished concrete finishing, or	096500 096516 033510	Fixed Items: F1 Tall wardrobe with file drawers 123553 F2 Demonstration table/teacher desk 123553 F3 20'-32' combination marker board, 101100 tack board and tackable wall surface
colored concrete finishing	033519	F4 Technology support casework 123553 F5 40'-60' of lab casework with sinks 123553 F6
Base:		Pencil sharpener support (optional) 062000 F7 Windows with integral blinds 085113
Resilient base	096500	F8 Emergency shower/eyewash 224000 F9 18'-24' of wall cabinets 123553
Ceiling: Suspended, acoustical	095113	F10 Towel dispensers (optional) 102813 F11 2 eye hooks for demonstrations(optional)055000 F12 Projection screen (optional) 115213
Walls: Paint		Fire Suppression: Fire suppression system 211000 Plumbing:
099100		Plumbing connections 224000/221116/221119
LOOSE FURNISHINGS: L1 Student work tables L2 Student stools/chairs L3 Teacher chair or stool		Emergency shower/eyewash connections 224000 Gas connections (optional) 226313 Master shutoff for gas 226313 Compressed air connections(optional) 221500
L4 Reserved L5 File cabinet Wastebasket		HVAC: Supply/return air system Div. 23 Independent temperature control 230923 Manual exhaust Div. 23 Electrical:
		Fluorescent lighting: 265100 Illumination level: See Table 8600-5 Multilevel switching 262726 Duplex receptacles at perimeter
Floring Cofety and Consults		workstations and teaching wall 262726 Double duplex receptacle adjacent to
Electronic Safety and Security: Life safety devices per code	283111	each data and video port 262726 Emergency lighting 265100 Means of egress lighting per code 265100 Communications:
Miscellaneous: Pencil sharpener (optional)		T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port at demonstration table 271513 T4 Wireless access point cable above ceiling
E1 Duplex receptacle with dedicated circuit for wireless devices		Clock 275313 Central sound system 275123 Sound reinforcement system 275127 T5 Ultra-short throw interactive projector 274119 T6 Wireless access point (WAP) as determined by design – refer to Note 4 272133 T7 Classroom technology center videoport 271543, 274116, 274119, 275127

- 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.
- 4. Baseline includes WAP cable per classroom. WAP device quantity/placement per 272133 requirements.



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

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

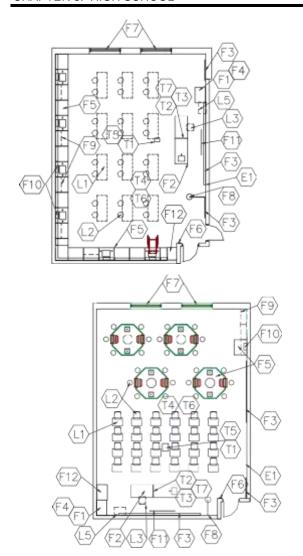
- 1. Loose furnishings shown represent one of many possible arrangements.
- 2 Science casework layout to be determined by the school district.
- 3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.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

SCIENCE CLASSROOM - CHEMISTRY H-AC-3

H-AC-3		CHAPTER 6: HIGH S	
	Spec.	EEATUDE 01:	Spec.
FINISHES ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Flooring:		Fixed Items: F1 Tall wardrobe with file drawers	100550
Vinyl sheet flooring, linoleum, 09	96500	F1 Tall wardrobe with file drawers F2 Demonstration table/teacher desk	123553 123553
rubber, ET, 09	96516	F3 20'-32' combination marker	101100
polished concrete finishing, or 03	33510	board, tack board and tackable wall	surface
· · · · · · · · · · · · · · · · · · ·	33519	F4 Technology support casework	123550
		F5 40'-60' lab casework with sinks	123553
Base:		F6 Pencil sharpener support (optional)	062000
	96500	F7 Windows with integral blinds	085113
Resilient base 03	90300	F8 Emergency shower/eyewash	224000
0.286		F9 18'-24' of wall cabinets (optional)	123553
Ceiling:		F10 Towel dispensers (optional)	102813
Suspended, acoustical 09	95113	F11 Projection screen (optional)	115213
		F12 Fume hood	115313
Walls:		F13 Tall cabinet for microscopes(optional) 12	23550
Paint 09	9100	<u>-</u>	
		Fire Suppression:	044000
LOOSE FURNISHINGS:		Fire suppression system	211000
L1 Student work tables		<u>Plumbing:</u> Plumbing connections 224000/221116	2/224440
L2 Student stools/chairs		Plumbing connections 224000/221116 Emergency shower/eyewash connection	
L3 Teacher chair or stool		Master shut-off for gas	226313
L4 Reserved		Gas connections	226313
L4 Neserveu		Cas connections	220010
L5 File cabinet		Compressed air connections (optional)	221500
Wastebasket		Acid waste piping	221316
		Neutralization tank	221323
L4 Could be fixed casework		HVAC:	D: 00
L4 Oddia be fixed casework		Supply/return air system	Div. 23
		Independent temp control Manual exhaust	230923 Div. 23
		Exhaust for fume hood	Div. 23
		Electrical:	DIV. 23
		Fluorescent lighting:	265100
Electronic Safety and Security:		Illumination level: See Table 8600-5	
•	444	Multilevel switching	262726
Life safety devices per code 283	111	Duplex receptacles at perimeter	
		workstations and teaching wall	262726
Miscellaneous:		Double duplex receptacle adjacent to	
Pencil sharpener (optional)		each data and video port	262726
		Emergency lighting Means of egress lighting per code	265100 265100
E1 Duplex receptacle with dedicated		Communications:	203100
circuit for wireless devices		T1 1 projector video port	271543
			3/273123
Communications (cont'd):			1513 T4
T6 Wireless access point (WAP)	as	Wireless access point above ceiling	271513
determined by Design – refer to Note 4		Central sound system	275123
, ,	72133	Clock	275313
T7 Classroom technology center video po		Sound reinforcement system	275127
271543, 274116, 274119, 27		T5 Ultra-short throw interactive projector	274119
2	J	1	

- 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.

		2014 - 923 WAP device quantity / placement per 272133	
4.	Baseline includes WAP cable per classroom.	WAP device quantity / placement per 272133	requirements.



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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

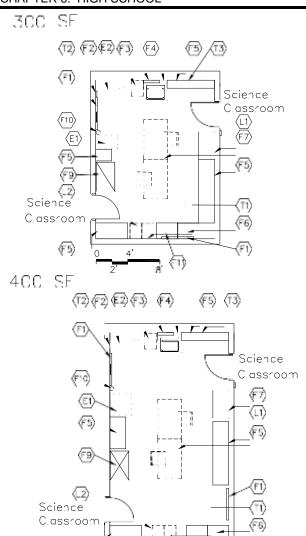
- Required: View glass minimum 5% without daylighting design; minimum 3% with daylighting design.
 - Recommended: Daylighting design with glazing area determined by design solution.
- Environmental sound control wall only minimum STC 45 ceiling minimum CAC 35, NRC 0.70
- Higher than normal ventilation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

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

SCIENCE CLASSROOM - BIOLOGY H-AC-4

H-AC-4		CHAPTER 6: HIGH SCH	HOOL
	Spec.	l	Spec.
FINISHES ¹ :	<u>Ref.#</u>		Ref.#
Flooring:		Fixed Items:	22552
Linoleum,	096500		23553 23553
rubber, ET, sheet vinyl,	096516		01100
	033510	tack board and tackable wall surface	
colored concrete finishing	033519		23550
_			23553 62000
Base:			85113
Resilient base	096500		24000
0 "		F9 18'-24' of wall cabinets (total) 1	23553
Ceiling:			02813
Suspended, acoustical	095113		15213
147.11		F12 Tall cabinets (optional)	23550
Walls:		Fire Suppression:	
Paint			11000
099100		Plumbing:	
1.0005 511511101111100		Plumbing connections 224000/221116/2	21119
LOOSE FURNISHINGS:		Emergency shower/eyewash connections 2	24000
L1 Student work tables			26313
L2 Student stools/chairs			26313
L3 Teacher chair or stool		Compressed air connections (optional) 2	21500
L4 Reserved		1 1 3	21316
L5 File cabinet Wastebasket		Neutralization tank (optional) 2 HVAC:	21323
vvasiebaskei			Div. 23
L4 could be fixed casework.			30923
L4 could be fixed casework.			Div. 23
		Electrical:	05400
		Fluorescent lighting: 20 Illumination level: See Table 8600-5	65100
			62726
		Duplex receptacles at perimeter workstations and teaching wall	02120
Electronic Safety and Security:			62726
Life safety devices per code	283111	Double duplex receptacle adjacent to	62726
Life safety devices per code	200111		65100
Miscellaneous:			65100
Pencil sharpener (optional)		Communications:	
r erren erranperren (epinerran)			71543
E1 Duplex receptacle with dedicated		T2 1 voice port and phone 271513/2 T3 1 data port at demonstration table 2	73123 71513
circuit for wireless device	ces	T4 Wireless access point cable above ceiling	11313
			71513
Communications (cont'd):		Central sound system 2	75123
T6 Wireless access point (WAP) as determ	ined by		75313
Design – refer to Note 4	272133		75127 74119
T7 Classroom technology center video port			14119
271543, 274116, 2741	19, 275127	7	

- 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.
- 4. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.



(F5) 0 4' (1)

SIZE: 300-400 SF ANCILLARY SPACES: Science Classrooms

H-AC-2, H-AC-3, H-AC-4

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

CAPACITY:

- 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.

1-3 Staff

4. A separate chemical storage room may be created from the science prep room square footage.

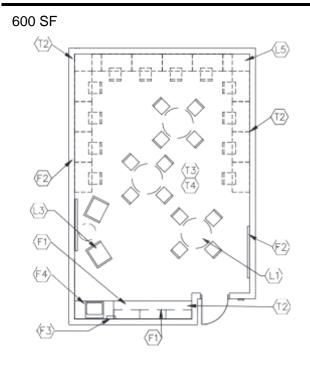
SCIENCE PREP H-AC-5

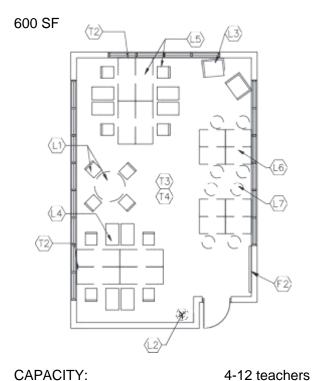
11-AC-3		CHAPTER 6. HIGH 3	
	Spec.		Spec.
FINISHES ¹ :	<u>Ref.#</u>	FEATURES ¹ :	Ref.#
Flooring:		Fixed Items:	
Vinyl sheet flooring, linoleum,	096516	F1 4' of tack board	101100
rubber, ET,	096500	F2 8'-15' of lab station with sink	123553
polished concrete finishing, or	033510	F3 Drying rack with pegs (optional)	123553
colored concrete finishing	033519	F4 Towel dispenser (optional)	102813
9		F5 16'-31' combination wall cabinets 12355	3
Base:		and tall cabinets	
Resilient base	096500	F6 Storage cabinets for acids,	400550
recomon baco	000000	Ventilated (optional)	123553
Ceiling:		F7 Storage cabinets for flammables(optional)	123553
Suspended, acoustical	095113	F8 Reserved F9 Fume hood (optional)	123553
ouspended, acoustical	033113	F10 Emergency eyewash (if applicable)	224000
Walls:			
		F11 Chemical storage cabinets with acid	123553
Painted concrete masonry units	0/000400	resistant lining	
042000	0/099100	Fire Compression:	
LOOCE ELIDNICUINGS.		Fire Suppression:	211000
LOOSE FURNISHINGS:		Fire suppression system Plumbing:	211000
L1 Work tables with chemical-resistar	nt top	Plumbing connections	
L2 2 file cabinets		224000/221116	/221110
Wastebasket		Acid waste system	Div. 23
		Gas connections	226313
<u>EQUIPMENT</u>		Compressed air connections(optional)	
E1 Refrigerator/freezer (optional)		Access to neutralization tank	221323
E2 Dishwasher (optional)		HVAC:	221020
		Supply/return air system	Div. 23
		Independent temperature control	230923
		Manual exhaust	Div. 23
		24 hour exhaust for acid storage	
Note: Eliminate 24 hour exhaust if recon	nmended	cabinet	Div. 23
by cabinet manufacturer. Make room	24 hour	Electrical:	
exhaust if no cabinet exhaust.		Single level switching	262726
		Fluorescent lighting:	265100
		Illumination level: See Table 8600	
		1 duplex receptacle under work tables	
		3 duplex receptacles	262726
		Receptacle for refrigerator/freezer	
		Double duplex receptacle at each data	
		video port	262726
		Communications: T1 1 projector video port	271543
			/273123
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		Electronic Safety and Security;	000444
		Life safety devices per code	283111
		Miscellaneous:	
		I	obomiote.
		Fume hood through wall if adjacent to	CHEITIISHY

NOTES:

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

CHAPTER 6: HIGH SCHOOL





- 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.
- Collaboration of grade level grouped or subject grouped instructors.
- Collaboration spaces should support the exchange of ideas, remain instantly flexible, and provide an area for both individual study and group collaboration.

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control wall minimum STC 45 ceiling minimum CAC 35, NRC 0.70
- Transparent walls or windows to adjacent rooms

Collaboration Note:

 Collaboration is the vehicle by which individuals communicate their vision, desires, opinions, thoughts, and insight to their fellow colleagues. It is the means to address all aspects of the educational process, themes of focus, professional and personal relationships, and to build the camaraderie and teamwork to meet the ever changing educational needs of students of all ages.

SIZE:

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

300 - 600 SF

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

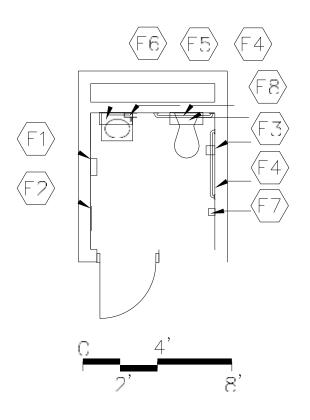
TEACHER PREP AREA/WORKROOM H-AC-6

FINISHES¹: Flooring: Carpet, carpet tile, ET, linoleum, vinyl sheet, or rubber	Spec. Ref.# 096816 096500 096516 096813	FEATURES¹: Ref.# Fixed Items²: F1 12'-18' combination base & wall 123550 cabinets (some could be bookcases) F2 50-75 sf combination marker 101100 board, tack board & tackable wall surface
Base: Resilient base	096500	F3 Towel dispenser (optional) 102813 F4 3' sink base cabinet 123550
Ceiling: Suspended, acoustical	095113	Fire Suppression: Fire suppression systems TEX 211000
Walls: Paint 099100		Plumbing: 224000 Sink 224000 Plumbing connections 224000/221116/221119
LOOSE FURNISHINGS: L1 Tables and chairs		HVAC:
L2 Coatrack L3 Soft Seating L4 Teacher computer trucks L5 Teacher workstation furniture an L6 42" high teacher cabinet with wo surface top L7 Stools Wastebasket		Supply/return air system Div. 23 Independent temperature control 230923 Electrical: Single-level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-5 3 duplex receptacles 262726 Double duplex receptacle adjacent to each data and video port 262726 Duplex receptacles for office equipment 262726 Receptacle for copier(if applicable) 262726
Electronic Safety and Security: Life safety devices per code Miscellaneous: Copier by school district E1 Reserved	283111	Communications: 71 Reserved 72 Voice ports and phones 271513/273123 73 Wireless access point cable above

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. Baseline includes WAP cable. WAP device quantity / placement per 272133 requirements.
- 4. When collaboration area is selected, teacher computer trucks are provided in lieu of teacher desks in classrooms.

CHAPTER 6: HIGH SCHOOL



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: SIZE:

1 person 60 SF

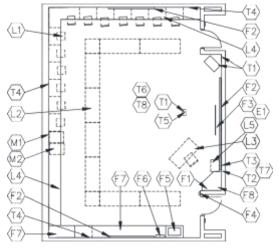
INDIVIDUAL RESTROOM H-AC-7

CHAP	ΓFR	6. H	IGH	SCF	IOOI

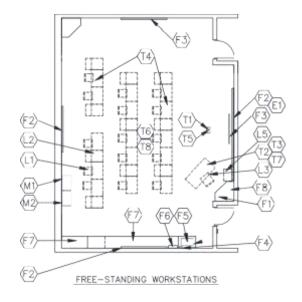
	Spec.		Spec.
FINISHES ¹ : Flooring:	<u>Ref.#</u>	<u>FEATURES1:</u> Fixed Items:	Ref.#
Linoleum, rubber, ET, or	096516	F1 Towel dispenser	102813
sheet vinyl	096500	F2 24" x 60" mirror	102813
Optional: Ceramic mosaic tile,	093000	F3 Toilet tissue holder	102813
porcelain tile, or	096723	F4 36" and 42" grab bar	102813
resinous flooring		F5 Soap dispenser	102813
_		F6 Shelf above sink (optional)	102813
Base:	000500	F7 Coat hook	102813
Resilient base	096500	F8 Cabinet above toilet (optional) 1028	13
Optional: Ceramic mosaic tile,		Fire Suppression:	
Porcelain tile, resinous flooring or integral vinyl cove base	, 096723	Fire Suppression: Fire suppression system	211000
of integral viriyi cove base		i ile suppression system	211000
Ceiling:		Plumbing:	
Suspended, acoustical	095113	Wall-mounted water closet	224000
•		Wall-mounted lavatory	224000
Walls:		Plumbing connections	
Painted concrete masonry units		224000/22111	6/221119
042000	0/099100		
LOOGE ELIPATION TALO		HVAC:	Div. 00
LOOSE FURNISHINGS:		Exhaust air system Supplemental heat as required	Div. 23 Div. 23
Wastebasket		Supplemental heat as required	DIV. 23
		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table	8600- 5
		1 duplex receptacle	262726
		Communications:	075400
		Central sound system	275123
		Electronic Safety and Security:	
		Life safety devices per code	283111
		= and dansity do noted per code	200
		Miscellaneous:	
		N/A	

NOTES:

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



PERIMETER WORKSTATION LAYOUT



CAPACITY: 25 students SIZE: 1,100 SF

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

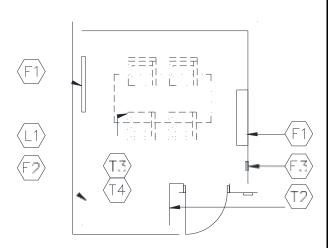
- Environmental sound control wall only minimum STC 45 ceiling minimum CAC 35, NRC 0.70
- · Flexibility of space

- 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

H-AC-8		СНАРТ	ER 6: HIGH SCHOOL
FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	FEATURES ¹ : Fixed Items:	Spec. <u>Ref.#</u>
Carpet, carpet tile Optional: ET, sheet vinyl, linoleum, or rubber	096816 096500 096516	F1 Tall wardrobe with file dr F2 16'-32' combination mark tack board & tackable w	ker board 101100 all surface
Base:	096813	F3 Projection screen (optionF4 Pencil sharpener supporF5 3' sink base cabinet (opt	rt (optional) 062000 tional) 123550
Resilient base Ceiling:	096500	F6 Towel dispenser (options F7 9'-20' combination base tall cabinets	
Suspended, acoustical	095113	F8 Technology support case	ework 123550
Walls: Paint LOOSE FURNISHINGS:	099100	Fire Suppression: Fire suppression system Plumbing: N/A	211000
L1 Student chairs L2 Work tables L3 Teacher desk or workstation/columnsupport and chair	mputer	HVAC: Supply/return air system Independent temperature Electrical:	
L4 Computer workstation furniture L5 File cabinet Wastebasket		Fluorescent lighting: computer aided lens Illumination level: S Multilevel switching	
L4 could be fixed casework.		4 duplex receptacles Double duplex receptacl	262726 le adjacent to
Electronic Safety and Security:		each data and video p Communications: T1 1 projector video port T2 1 voice port and phone	271543 271513/273123
Life safety devices per code Miscellaneous: Pencil sharpener (optional) The following items are to be funded.	283111	T3 1 data port near teacher T4 Classroom area network Clock Central sound system	k 271513 275313 275123
The following items are to be funded by the school district: M1 Classroom area network file server M2 Printer		T5 Ultra-short throw interact T6 Wireless access p determined by Design –	tive projector274119 point (WAP) as
E1 Duplex receptacle with dedicate circuit for wireless devices	ed	· · · · · · · · · · · · · · · · · · ·	enter video port 16, 274119, 275127
		T8 Wireless access point ca ceiling	able above 271513

- 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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.



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

SPATIAL RELATIONSHIPS:

• Near academic core classrooms

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 4 - 5 students SIZE: 150 SF

NOTES:

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

SMALL GROUP ROOM H-AC-9

CHAPTER 6: HIGH SCHOOL

FINISHES ¹ :	Spec. <u>Ref.#</u>	Spec. FEATURES¹: Ref.#
Flooring: ET, sheet vinyl, linoleum, or rubber	096500 096516	Fixed Items: F1 8'-12' combination marker board, 101100 tack board & tackable wall surface
Base: Resilient base	096500	F2 4'-6' of work surface (optional) 123550 F3 Pencil sharpener support (optional) 062000
Ceiling: Suspended, acoustical	095113	<u>Fire Suppression:</u> Fire suppression system 211000
Walls: Painted concrete masonry uni	its	Plumbing: N/A
	2000/099100	HVAC: Supply/return air system Div. 23 Independent temperature control (coupled with similarly loaded adjacent spaces)
vvasiobaskot		Electrical: Fluorescent lighting: 265100 Illumination level: See Table 8600-5 4 duplex receptacles 262726 Double duplex receptacle adjacent to each data and video port 262726
		Communications: T1 Reserved T2 voice port with phone 271513/273123 T3 Wireless access point cable above ceiling 271513 T4 Wireless access point (WAP) as determined by design – refer to note 2 271533 Clock 275313 Central sound system 275123
		Electronic Safety and Security: Life safety devices per code 283111
		Miscellaneous: Interior window(optional) 081113/088000

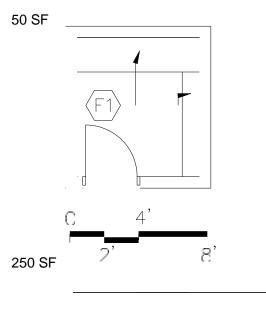
NOTES:

- 1. Finishes/Features: Refer to Chapter 9 for specification references.
- 2. Baseline includes WAP cable. WAP device quantity / placement per 272133 requirements.

Pencil sharpener (optional)

INSTRUCTIONAL MATERIAL STORAGE H-AC-10

CHAPTER 6: HIGH SCHOOL



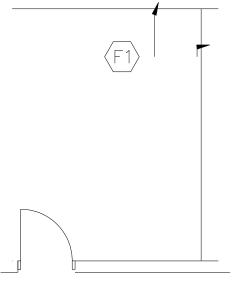
PROGRAM ACTIVITIES:

• Storage of supplies, textbooks, and equipment

SPATIAL RELATIONSHIPS:

• Near teacher prep area/workroom

ENVIRONMENTAL CONSIDERATIONS: N/A



CAPACITY: SIZE:

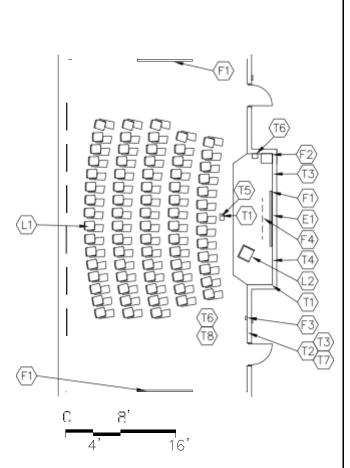
N/A 50 - 250 SF

INSTRUCTIONAL MATERIAL STORAGE H-AC-10

H-AC-10		CHAPTER 6: HIGH SCHOOL
FINISHES¹: Flooring:	Spec. <u>Ref.</u> #	Spec. FEATURES¹: Ref.# Fixed Items:
Rubber, <i>linoleum, ET, or</i> sheet vinyl	096500 096516	F1 30' of open shelving depths may vary (fixed or loose) 123550 Option: mobile storage shelving 105626
Base: Resilient base	096500	Fire Suppression: Fire suppression system 211000
Ceiling: Suspended, acoustical	095113	Plumbing: N/A
Walls: Painted concrete masonry	042000/099100	HVAC: To be determined by Design Professional Supplemental heat as required Div. 23
LOOSE FURNISHINGS: N/A		Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-5 1 duplex receptacle 262726
		Communications: N/A
		Electronic Safety and Security: N/A
		Miscellaneous: N/A

NOTES:

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



- Group instruction
- Presentations
- Testing
- · Community use

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

 Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.

Recommended: Daylighting design with glazing area determined by design solution.

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

CAPACITY: 100 students SIZE: 1,500 SF

NOTES:

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

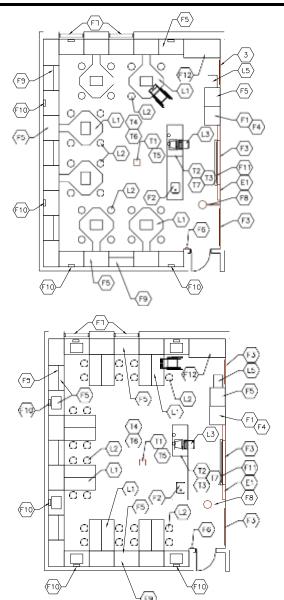
MULTI-USE ROOM H-AC-11

FINICHE C1.	Spec.	Spec. FEATURES ¹ : Ref.#
FINISHES ¹ :	Ref.#	Fixed Items:
Flooring: Carpet, carpet tile, linoleum,	096816	F1 16'-28' combination marker board 101100
rubber, ET, sheet vinyl	096813	tack board & tackable wall surface
	096516	F2 Technology support casework 123550
	096500	F3 Pencil sharpener support (optional) 062000 F4 Projection screen (optional) 115213
Base:		F4 F10jection screen (optional)
Resilient base	096500	Fire Suppression:
		Fire suppression system 211000
Ceiling:	005440	Plumbing:
Suspended, acoustical	095113	N/A
Walls:		HVAC:
Painted concrete masonry units		Supply/return air system Div. 23
	/099100	Independent temperature control 230923
	098000	Electrical:
		Fluorescent lighting: 265100 Illumination level: See Table 8600-5
LOOSE FURNISHINGS:		Multilevel switching 262726
L1 Student desks and chairs		6 duplex receptacles 262726
L2 Podium / console (optional)		Double duplex receptacle adjacent to
Portable risers Wastebasket		each data and video port 262726
Wasiebaskei		Emergency lighting per code 265100
		Means of egress lighting per code 265100
		Telecommunications Grounding 270526/260526
		Communications:
		T1 2 <i>projector</i> video ports 271543
		T2 1 voice port and phone 271513/273123
		T3 1 data port (minimum) 271513
		T4 1 port to input local computer to monitor
		271513
		Clock 275313
Electronic Safety and Security:		Central sound system 275123
	283111	T5 Ultra-short throw interactive projector
Miscellaneous:	200	274119
Pencil sharpener (optional)		T6 Student Dining/Cafeteria sound reinforcement system 275122
		T7 Wireless access point (WAP) as
E1 Duplex receptacle with dedicated	d	determined by Design – refer to Note 3
circuit for wireless devices		272133
		T7 Classroom technology center video port
		271543, 274116, 274119, 275127
		T8 Wireless access point cable above ceiling
		271513

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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133

CHAPTER 6: HIGH SCHOOL



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

SPATIAL RELATIONSHIPS:

- Adjacent to other science classrooms
- Near science prep room

ENVIRONMENTAL CONSIDERATIONS:

 Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.

Recommended: Daylighting design with glazing area determined by design solution.

- Environmental sound control wall only minimum STC 45 ceiling minimum CAC 35, NRC 0.70
- Higher than normal ventilation requirements
- Moisture- and stain-resistant finishes
- Chemical-resistant counter tops

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

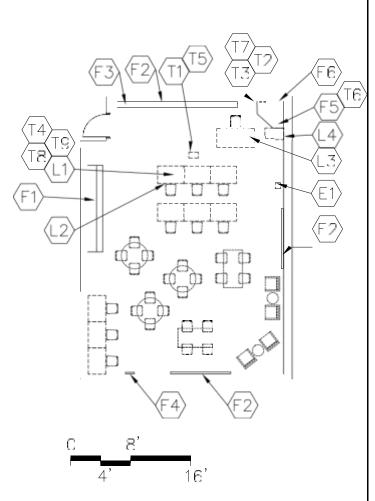
- 1. Loose furnishings shown represent one of many possible arrangements.
- 2 Science casework layout to be determined by the school district.
- 3. Depending upon the educational program of the district, a tall wardrobe may be placed in this classroom or could be placed in a teacher prep area/workroom.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

SCIENCE LABORATORY H-AC-12

H-AC-12		CHAPTER 6: HIGH SCHOOL
<u>FINISHES</u> 1:	Spec. <u>Ref.#</u>	Spec. FEATURES1: Ref.#
Flooring: Vinyl sheet flooring, linoleum, rubber, ET	096500 096516	Fixed Items: F1 Tall wardrobe with file drawers 123553 F2 Demonstration table/teacher desk 123553 F3 14'-22' combination chalk/marker 101100 board, tack board & tackable wall surface
Base: Resilient base	096500	F4 Technology support casework 123550 F5 40'-60' lab casework with sinks 123553 F6 Pencil sharpener support (optional) 062000 F7 Windows with integral blinds 085113 F8 Emergency shower/eyewash 224000
Ceiling: Suspended, acoustical	095113	F9 18'-24' of wall cabinets (optional) 123553 F10 Towel dispensers (optional) 102813 F11 Projection screen (optional) 115213
Walls: Paint	099100	F12 Fume hood 115313 F13 Tall cabinet for microscopes(optional) 123550
LOOSE FURNISHINGS: L1 Student work tables L2 Student stools/chairs L3 Teacher chair or stool L4 Reserved L5 File cabinet Wastebasket L4 Could be fixed casework Electronic Safety and Security: Life safety devices per code Miscellaneous: Pencil sharpener (optional) E1 Duplex receptacle with dedicated circuit for wireless devices Communications (cont'd): T5 Ultra-short throw interactive 274119 T6 Wireless access point (WAP) as determined by Design – refer to Note 4	272133	Fire Suppression: Fire suppression system Plumbing: Plumbing connections 224000/221116/22111 Emergency shower/eyewashconnections22400 Master shut-off for gas 226313 Gas connections 226313 Compressed air connections (optional) 221500 Acid waste piping 221316 Neutralization tank 221323 HVAC: Supply/return air system Div. 23 Independent temp control 230923 Manual exhaust Div. 23 Exhaust for fume hood Div. 23 Electrical: Fluorescent lighting: 265100 Illumination level: See Table 8600-5 Multilevel switching 262726 Double duplex receptacle adjacent to each data and video port 262726 Emergency lighting 265100 Means of egress lighting per code 265100 Communications: T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port at demonstration table 271513 T4
T7 Classroom technology center video p 271543, 274116, 274119		Wireless access point cable above ceiling 271513 Central sound system 275123 Clock 275313 Sound reinforcement system 275127

- 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.
- 4. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133

requirements.



- · Group instruction and individual work
- Activities include instruction, production, and individual project work
- "Wet / Dry" activities

SPATIAL RELATIONSHIPS:

- Near kinesthetic studio
- Near academic core classrooms

ENVIRONMENTAL CONSIDERATIONS:

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

MISCELLANEOUS:

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

CAPACITY: SIZE: 25 students 1,500 SF

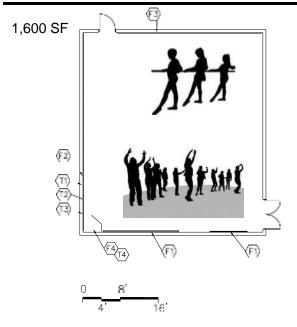
NOTES:

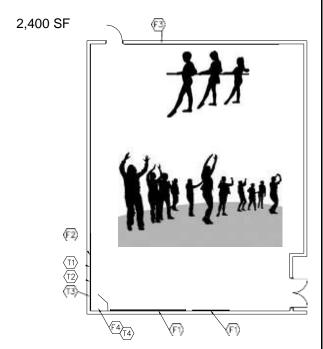
1. Loose furnishings shown represent one of many possible arrangements.

MULTI-USE STUDIO H-AC-13

H-AC-13		CHAPTER 6: HIGH SCHOOL
	Spec.	Spec.
FINISHES ¹ :	<u>Ref.#</u>	FEATURES ¹ : Ref.#
Flooring:		Fixed Items:
ET, sheet vinyl, linoleum, rubber	096500	F1 4'-16' of base & wall cabinets 123550
	096516	F2 18'-28' combination marker board,
Danas		tack board, or tackable wall surface 101100
Base:	000500	F3 Projection screen (optional) 115213
Resilient base	096500	F4 Pencil sharpener support (optional) 062000
Coiling		F5 Tall wardrobe with file drawers 123550 F6
Ceiling:	005440	Technology support casework 123550 <u>Fire</u>
Suspended, acoustical	095113	Suppression: Fire suppression system 211000
Walls:		Fire suppression system 211000 Plumbing:
Paint	099100	N/A
raiiit	099100	HVAC:
LOOSE FURNISHINGS:		Supply/return air system Div. 23
L1 Flexible furniture		Independent temperature control 230923
L2 Student chairs		Electrical:
L3 Teacher desk and chair		Fluorescent lighting 265100
L4 File cabinet		Illumination level: See Table 8600-5
Wastebasket		Multilevel switching 262726
		6 duplex receptacles 262726
		Double duplex receptacle adjacent to
		each data and video port 262726
		Communications:
		T1 1 projector video port 271543
		T2 1 voice port and phone 271513/273123 T3
		1 data port near teacher workstation271513 T4
		Classroom area network
		271513
		Clock 275313
		Central sound system 275123 Sound reinforcement system 275127
Electronic Safety and Security:		T5 Ultra-short throw interactive projector
Life safety devices per code	283111	274119
Elic salety devices per code	200111	T6 Combination i-Pod / CD Player unit and
Miscellaneous:		Mixer/Amp unit, located in the wardrobe,
Pencil sharpener (optional)		serving room overhead distributed speakers
· chairement (opachai)		T7 Classroom technology center video port
E1 Duplex receptacle with dedicated		271543, 274116, 274119, 275127
circuit for wireless devices		T8 Wireless access point cable above
		ceiling 271513
		T9 Wireless access point (WAP) as
		determined by Design – refer to Note 3
NOTES:		272133

- 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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.





- · Gross motor activities
- Dance
- Yoga
- Pilates
- Aerobics
- Gymnastics
- "Movement" activities

SPATIAL RELATIONSHIPS:

- Near multi-use studio
- Near academic core spaces

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

SIZE:

CAPACITY:

22-25 students

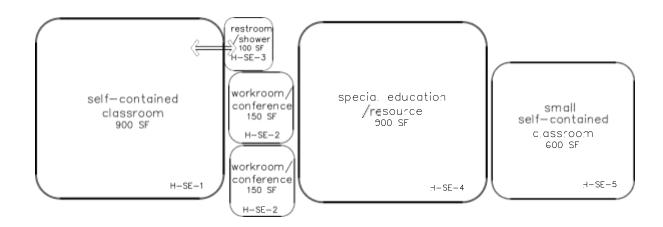
1,200 - 2,400 SF

KINESTHETIC LEARNING STUDIO H-AC-14

H-AC-14		CHAPTER 6: HIGH SCHOOL
<u>FINISHES</u> 1:	Spec. <u>Ref.#</u>	Spec. FEATURES: Ref.# Fixed Items:
Flooring: Wood dance floor	096400	F1 8'-24' combination marker board, 101100 tack board, or tackable wall surface
Base: Resilient base	096500	F2 Mirrors 102813 F3 Dance bars 116615 F4 Tall wardrobe with file drawers 123550
Ceiling: Painted exposed structure	099100	Fire Suppression: Fire suppression system 211000
Walls: <i>Paint</i> 099100		Plumbing: N/A
099100		HVAC: Supply/return air system Div. 23 Independent temperature control 230923
		Electrical: Fluorescent lighting 265100 Illumination level: See Table 8600-5
		Multilevel switching 262726 Dimmable lighting 262726 6 duplex receptacles 262726 Double duplex receptacle adjacent to each data and video port 262726 Means of egress lighting 265100 Emergency lighting per code 265100
		Communications: T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port 271513 Clock 275313 Central sound system horns 275123 T4 Combination i-Pod / CD Player unit and Mixer/Amp unit, located in the wardrobe, serving room overhead distributed speakers Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: N/A

NOTES:

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



NOTES:

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

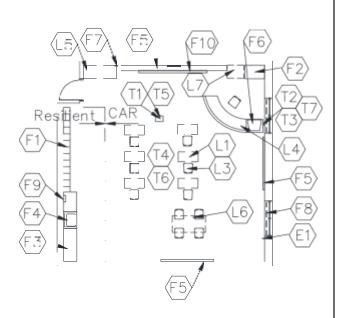
Following are the Special Education space plates:

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

SPECIAL	EDUCATION	SPACES
H-SE		

CHAPTER 6: HIGH SCHOOL

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

 Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.

Recommended: Daylighting design with glazing area determined by design solution. Environmental sound control - wall only minimum STC 45

ceiling minimum CAC 35, NRC 0.70

- Resilient and stain-resistant floor covering
- Special consideration for wheelchair access and physical accessibility needs (ADA)

CAPACITY: Based on disability.

See Chapter 1, Section 1110.

Size: See Chapter 1, Section 1110.

- 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

H-SE-1		CHAPTER 6: HIGH SCH	IOOL
FINISHES ¹ :	Spec. <u>Ref.#</u>		oec. ef.#
Flooring: Combination carpet, carpet tile, with resilient options Optional: All ET, sheet vinyl, linoleum, or rubber Base:	096816 096500 096516 096813	F1 Open casework – student coats and person items with wall cabinets above 123: F2 Tall wardrobe w/file drawers 123: F3 8'-10' of base & wall cabinets 123: F4 3' sinkbase cabinet 123: F5 24'-32' combination marker board 101: F6 tack board and tackable wall surface 123:	550 550 550 550 100
Resilient base	096500	Technology support casework F7 Pencil sharpener support(optional) 062	000
Ceiling: Suspended, acoustical	095113	F8 Windows with integral blinds 085 F9 Towel dispenser (optional) 102 F10 Projection screen (optional) 115 F11 Tall storage cabinet(optional) 123 F12 Mirror (optional) 102	813 213 550
Walls: Paint	099100	Fire Suppression: Fire suppression system 211	000
LOOSE FURNISHINGS: L1 Student desks/tables		Plumbing: Sink with drinking fountain 224 Plumbing connections	
 L2 Reserved L3 Student chairs L4 Teacher workstations/computer sup and chair L5 8'-10' of low bookcases (fixed or model) L6 Reading table L7 File cabinet Wastebasket 	•	- - - - - - - - -	7. 23 0923 1100 1726 1726
EQUIPMENT(optional) Washer and dryer Small refrigerator		Communications: T1 1 projectorvideo port 271 T2 1 voice port and phone 271513/273123 1 data port	543
Range		near teacher workstation 271: T4 Wireless access point cable above	513
Oven Microwave		ceiling 271 Clock 275 Sound reinforcement system 275	
Electronic Safety and Security: Life safety devices per code	283111	Central sound system 275 T5 Ultra-short throw interactive projector 274	
Miscellaneous: Pencil sharpener (optional)		T6 Wireless access point (WAP) as determined by Design – refer to Note 3	<u> 133</u>
E1 Duplex receptacle with dedicated		T7 Classroom technology center video port	

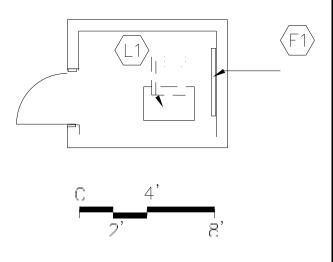
circuit for wireless devices

7 Classroom technology center video port 271543, 274116, 274119, 275127

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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.



- 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: SIZE:

1 - 2 persons 150 SF

- 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.

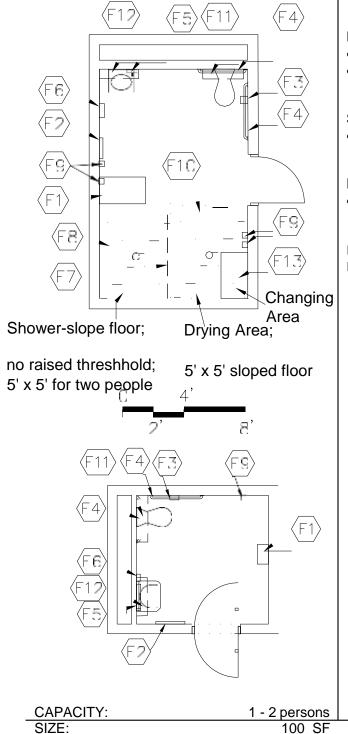
WORKROOM/CONFERENCE

H-SE-2 (Quiet Area) CHAPTER	6: HIGH SCHOOL
-----------------------------	----------------

TI-OL-Z (Quiet Alea)		CHAPTER 0. HIG	HOOHOOL
FINISHES ¹ :	Spec. <u>Ref.#</u>	FEATURES ¹ :	Spec. <u>Ref.#</u>
Flooring: Carpet, <i>carpet tile</i> , ET, linoleum, or sheet vinyl	096816 096500	Fixed Items: F1 4' of tack board (optional)	101100
·	096516 <i>0</i> 96813	Fire Suppression: Fire suppression system	211000
Base: Resilient base	096500	Plumbing: N/A	
Ceiling: Suspended, acoustical	095113	HVAC:	
Walls:		Supply/return air system Independent temperature contro	Div. 23 ol 230923
Painted concrete masonry units 04200	00/099100	Electrical: Dimmable lighting	262726
LOOSE FURNISHINGS: L1 Student desk and chair Wastebasket		Fluorescent lighting Illumination level: See Table 86 1 duplex receptacle	265100 600- 5 262726
		Communications: Clock (optional)	275313
		Electronic Safety and Security: Life safety devices per code	283111
		Miscellaneous: Interior window with blinds (option 08111)	nal) 3/088000

NOTES:

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



- Changing area
- Toilet / shower needs

SPATIAL RELATIONSHIPS:

Next to self-contained classroom

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

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

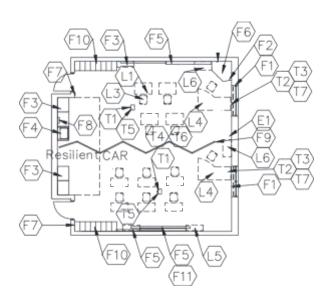
RESTROOM/SHOWER H-SE-3

11-0L-3		CHAFTER 0. HIGH	10011001
	Spec.		Spec.
FINISHES1:	Ref.#	FEATURES ¹ :	Ref.#
Flooring:	1101.11	Fixed Items:	1101.11
•			400550
Restroom: ET, vinyl sheet		F1 Base cabinets	123550
flooring, porcelain tile,	096500	F2 24" x 60" mirror	102813
or ceramic mosaic	093000	F3 Toilet tissue holder	102813
Shower: Ceramic mosaic tile, or		F4 36" and 42" grab bar	102813
porcelain tile		F5 Soap dispenser	102813
porceiani ine		F6 Towel dispenser	102813
Danas			
Base:		F7 Shower curtain and rod	102813
Restroom: Resilient base, or	096500	F8 ADA shower accessories	102813
ceramic mosaic, or porcelair	093000	F9 (2) towel hooks	102813
integral vinyl cove base		F10 Cubicle curtain (optional)	102813
Shower: Ceramic mosaic tile base,		F11 8" deep wall cabinet above toilet	
porcelain tile		F12 Shelf (optional)	102813
porceiant me			102013
0 ""		F13 Changing station or fold-down	100550
Ceiling:		adult changing station	123550
Restroom: Suspended, acoustical	095113		
Shower: Painted portland		Fire Suppression:	
	0/099100	Fire suppression system	211000
interior finish system	092513	· ·· · · · · · · · · · · · · · · · · ·	
interior infisit system	032313	Dlumbing	
147 11		Plumbing:	004000
Walls:		Wall-mounted water closet	224000
Epoxy painted concrete		Wall-mounted lavatory	224000
masonry units 04200	0/099100	ADA shower controls and head	224000
or ceramic wall tile in shower	093000	Plumbing connections	
and latex paint in restroom		224000/221116	/221119
and latex paint in restreeting	000100	22 1000/221110	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
LOOCE ELIDNICHINGS.		HVAC:	
LOOSE FURNISHINGS:			Div. 00
Wastebasket		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 860	
		1 duplex receptacle	262726
		Communications:	
		Central sound system	275123
		Electronic Safety and Security:	
			202444
		Life safety devices per code	283111
		Miscellaneous:	
		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.

CHAPTER 6: HIGH SCHOOL



- 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-onone instruction and small group instruction.
- Activities include, but are not limited to: group discussions, demonstrations, musicactivities, life skills, coping skills, speech, and visual and hearing support services.

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: Based on disability.

See Chapter 1, Section 1110.

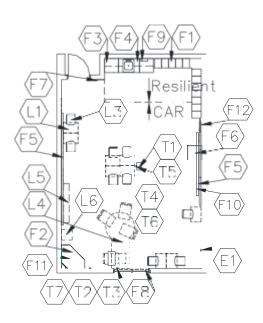
SIZE: 900 SF

- 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

H-SE-4		CHAPTER 6: HIGH	SCHOOL
	Spec.		Spec.
FINISHES1:	Ref.#	FEATURES1:	Ref.#
Flooring:		Fixed Items:	
Combination carpet, carpet tile,	096816	F1 Windows with integral blinds	085113
with resilient options	096500	F2 Tall wardrobe with file drawers	123550
Option: All ET, sheet vinyl,	096516	F3 8'-12' of base cabinets	123550
linoleum, or rubber	096813	F4 3' sink base cabinet	123550
infolediti, of rubber	030013	F5 20'-32' combination chalk/marker board	d,
Base:		tack board, tackable wall surface 10	1100 F6
Resilient base	096500	Technology support casework	123550
Resilient base	030300	F7 Pencil sharpener support (optional) 06	2000 F8
Coiling:		Towel dispenser (optional)	102813
Ceiling:	095113	F9 Operable partition (optional)	102226
Suspended, acoustical	095113	F10 Open casework coats and personal	
Weller		storage w/wall cabinets above	123550
Walls:	000400	F11 Projection screen (optional)	115213
Paint	099100	F12 Mobile storage cabinet (optional) 123	550 F13
		Mirror (optional)	102813
LOOSE FURNISHINGS:			
L1 Student desks/tables		Fire Suppression:	
L2 Reserved		Fire suppression system	211000
L3 Student chairs		Plumbing:	
L4 Teacher desk / computer support and chair		Sink	224000
L5 Mobile bookcases or storage unit		Plumbing connections	. /0.0 4 4 4 0
L6 File cabinet		224000/221116	5/221119
Wastebasket		HVAC:	D: 00
		Supply/return air system	Div. 23
		Independent temperature control	230923
Electronic Safety and Security:		Electrical:	005400
Life safety devices per code	283111	Fluorescent lighting	265100
Life safety devices per code	200111	Illumination level: See Table 8600	
Miccellenceure		Multilevel switching	262726
Miscellaneous:		4 duplex receptacles Double duplex receptacle adjacent to	262726
Pencil sharpener (optional)			262726
		each data and video port	262726
E1 Duplex receptacle with dedicated	d	Communications: T1 1 projector video port	271543
circuit for wireless devices		l ' .'	
			/237123
Communications (cont'd):		T3 1 data port near each teacher workstation 27	1512 T/
T6 Wireless access point (WAP) as			1313 14
determined by Design – refer to		Wireless access point cable above ceiling	271513
	272133	Clock	275313
T7 Classroom technology center vic		Sound reinforcement system	275127
271543, 274116, 27411	9, 275127	Central sound system	275127
		T5 Ultra-short throw interactive projector	210120
		13 Olia-Short unlow interactive projector	274119
			<u> </u>

- 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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.



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

SPATIAL RELATIONSHIPS:

Distributed throughout academic core areas.

ENVIRONMENTAL CONSIDERATIONS:

• Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.

Recommended: Daylighting design with glazing area determined by design solution.

- Environmental sound control wall only minimum STC 45 ceiling minimum CAC 35, NRC 0.70
- Resilient and stain-resistant floor covering
- Special consideration for wheelchair access and physical accessibility needs (ADA)

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

SIZE: 600 SF

- 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

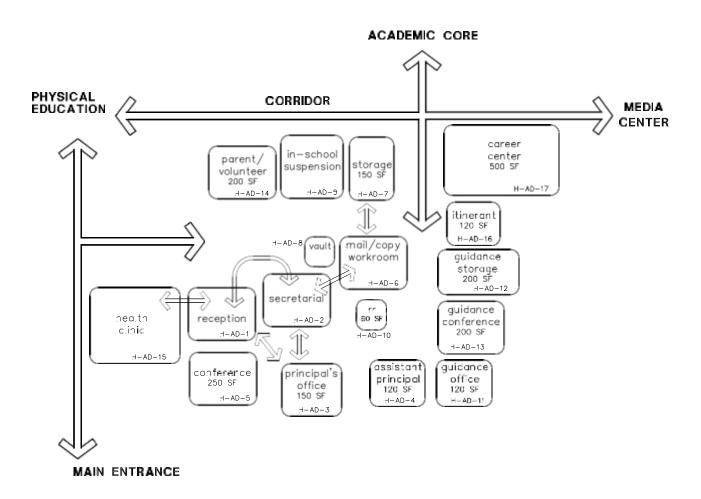
H-SE-5	(Special Education)
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CHAPTER 6: HIGH S	CHOOL
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(Special Education)		CHAFTER 6. HIGH SCHOOL
	Spec.	Spec.
<u>FINISHES</u> ¹ :	<u>Ref.#</u>	FEATURES ¹ : Ref.#
Flooring: Combination carpet, carpet tile,	096816	Fixed Items:
Combination carpet, carpet tile,	090010	F1 Open casework – coats and personal items
		with wall cabinets above 123550
with resilient options	096516	with wall cabinets above 123550 F2 Tall wardrobe w/file drawers 123550
Option: All ET, sheet vinyl,		F3 About 6' of base & wall cabinets (total)123550
096500		F4 3' sinkbase cabinet 123550 F5 20'-32' combination marker 101100
linoleum, or rubber	096813	board, tack board, tackable wall surface
		F6 Mobile storage cabinet (optional) 123550 F7
Base:		Pencil sharpener support (optional) 062000 F8
Resilient base	096500	Windows with integral blinds 085113
		F9 Towel dispenser (optional) 102813 F10 Projection screen(optional) 115213
Ceiling:		F11 Technology support casework 123550
Suspended, acoustical	095113	F12 Mirror (optional) 102813
Walls:		Fire Suppression:
Paint	099100	Fire suppression system 211000 Plumbing:
		Sink with drinking fountain 224000
LOOSE FURNISHINGS:		Plumbing connections
L1 Student desks/tables		224000/221116/221119
L2 Reserved		HVAC:
L3 Student chairs		Supply/return air system Div. 23 Independent temperature
L4 Teacher workstations/computer sup	port	control 230923
and chair	-	Electrical:
L5 6' of low bookcases (fixed or mobile	e)	Fluorescent lighting 265100
L6 File cabinet	-,	Illumination level: See Table 8600-5 Multilevel switching 262726
Wastebasket		4 duplex receptacles 262726
		Double duplex receptacle adjacent to
Electronic Safety and Security:		each data and video port 262726
Life safety devices per code	283111	Communications:
		T1 1 projectorvideo port 271543 T2 1 voice port and phone 271513/273123 T3
Miscellaneous:		1 data port
Pencil sharpener (optional)		near teacher workstation 271513
		T4 Wireless access point cable above ceiling
E1 Duplex receptacle with dedicated	d	271513 Clock 275313
circuit for wireless devices		Central sound system 27513
		Sound reinforcement system 275127
		T5 Ultra-short throw interactive projector
`		(optional) 274119
		T6 Wireless access point (WAP) as
		determined by Design – refer to Note 3
		272133
		T7 Classroom technology center video port
		271543, 274116, 274119, 275127

- 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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 Ohio School Design Manual

requirements.



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:

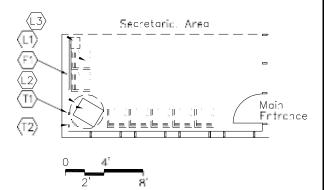
H-AD-1	Reception Area	H-AD-10	Restroom
H-AD-2	Secretarial Area	H-AD-11	Guidance Counselor's office
H-AD-3	Principal's Office	H-AD-12	Guidance Records/Storage
H-AD-4	Assistant Principal's Office	H-AD-13	Guidance Conference Room
H-AD-5	Conference Room	H-AD-14	Parent/Volunteer Room
H-AD-6	Mail/Work/Copy 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		

ADMINISTRATIVE SPACE	S
H-AD	

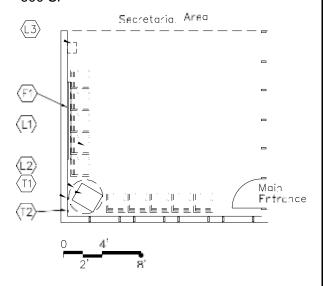
CHAPTER 6: HIGH SCHOOL

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200 SF



600 SF



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: SIZE:

6 - 8 or 8 - 10 visitors 200 - 1,000 SF

ANCILLARY SPACES:

Secretarial Area

H-AD-2

NOTES:

RECEPTION AREA H-AD-1

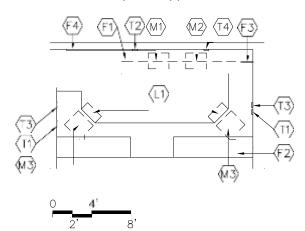
CHAPTER 6: HIGH SCHOOL

EINICHEC1:	Spec.	FEATURES1.	Spec.
FINISHES ¹ : Flooring:	Ref.#	FEATURES1: Fixed Items:	Ref.#
Carpet or Carpet Tile	096816	F1 Tack board or tackable wall	
	096813	surface (optional)	101100
Base:		Surface (optional)	101100
Resilient base	096500	Fire Suppression:	
O a lilia au		Fire suppression system	211000
Ceiling: Suspended, acoustical	095113	ine appression system	211000
Suspended, acoustical	093113	Plumbing:	
Walls:		N/A	
Painted gypsum wallboard			
over metal studs	092116/099100	<u>HVAC</u> :	
		Supply/return air system	Div. 23
<u>LOOSE FURNISHINGS</u> : L1 Visitor chairs		Independent temperature control	230923
L2 End table			
L3 Racks for forms (optional)		Electrical:	
Wastebasket		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 86	
		2 duplex receptacles	262726
		Double duplex receptacle adjacent	000700
		to video port	262726
		Means of egress lighting per code	265100
		Communications:	
		T1 1 <i>projector</i> video port, monitor, and	brackets
		27154	3/274119
		T2 1 voice port and phone 271513	3/273123
		Clock	275313
		Central sound system	275123
		Electronic Safety and Security:	
		Life safety devices per code	283111
		End dailety devides per code	200111
		Miscellaneous:	
		Interior windows 081113	000880/

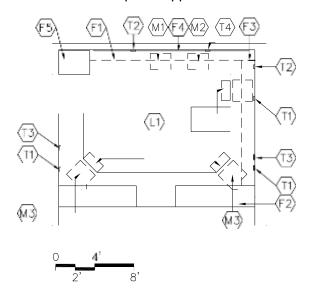
NOTES:

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

200 SF ADA Compliant Approach



600 SF ADA Compliant Approach



CAPACITY:

CAPACIT

SIZE:

ANCILLARY SPACES:

1 - 2 or 2 - 3 staff

200 – 1,000 SF Reception Area

H-AD-1

PROGRAM ACTIVITIES:

Conduct administrative support duties, and receive and direct visitors

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

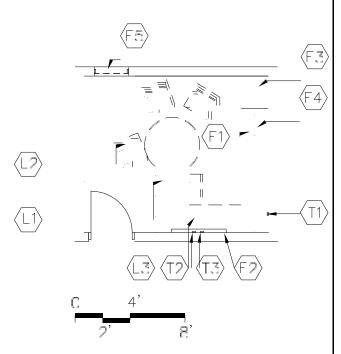
- Environmental sound control wall minimum STC 40 ceiling minimum CAC 35, NRC 0.70
- Audio and visual control of reception area

NOTES:

SECRETARIAL AREA H-AD-2

CHAPTER 6: HIGH SCHOOL Spec. Spec. FEATURES1: FINISHES¹: Ref.# Ref.# Fixed Items²: Flooring: F1 24' - 60' of work surface with Carpet or Carpet Tile 096816 096813 file drawers 123550 F2 42" high counter top 123550 Base: with portion of counter 34" high or lower Resilient base 096500 F3 16'-24' of wall cabinets for forms. Ceiling: supplies, books, and manuals 123550 F4 Tackable wall surface (optional) 101100 F5 Tall Suspended, acoustical 095113 cabinet for coats (optional) 123550 Walls: Fire Suppression: Painted gypsum wallboard Fire suppression system over metal studs 092116/099100 211000 Plumbing: LOOSE FURNISHINGS: N/A L1 Secretarial chairs Wastebasket HVAC: Supply/return air system Div. 23 Temperature control with reception area 230923 (coupled with similarly loaded adjacent spaces) Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-5 3 duplex receptacles 262726 Double duplex receptacle adjacent to each data port 262726 Emergency lighting 265100 Communications: T1 1 voice port and phone 271513/**273123** at each secretarial workstation 271513/273113 T2 1 fax port Miscellaneous: T3 1 data port 271513 The following items are to be funded by the at each secretarial workstation school district: T4 1 data port for printer 271513 M1 Fax machine Central sound system 275123 M2 Printer Clock 275313 M3 Computer/typewriter Electronic Safety and Security: Life safety devices per code 283111

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



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: SIZE:

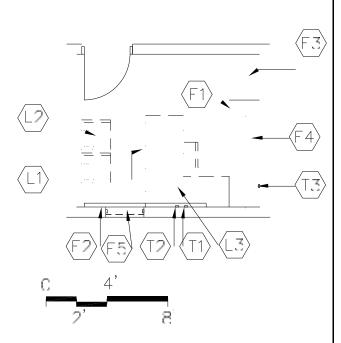
1 - 4 persons 150 SF

NOTES:

PRINCIPAL'S OFFICE H-AD-3

H-AD-3		CHAPTER 6: HIGH SCHO	OOL
FINISHES ¹ :	Spec. <u>Ref.#</u>	FEATURES ¹ : Re	ec. ef.#
Flooring: Carpet or Carpet Tile	096816 096813	Fixed Items: F1 Work surface with file drawers F2 4' of tack board 1011	
Base: Resilient base	096500	or tackable wall surface F3 Tall wardrobe (optional) 1235 F4 Wall cabinets above work surface 123550	
Ceiling: Suspended, acoustical	095113	Window with integral blind 0851	
Walls: Painted gypsum wallboard		Fire Suppression: Fire suppression system 2110	000
over metal studs 0921	16 / 099100	Plumbing: N/A	
LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chairs L3 Computer desk return Wastebasket		HVAC: Supply/return air system Independent temperature control (coupled with similarly loaded adjacent spaces) Div. 230923	
		Electrical: Single level switching 2627 Fluorescent lighting 2651 Illumination level: See Table 8600-5 4 duplex receptacles 2627 Double duplex receptacle adjacent to each data and video port 2627	00 726 ch
		Communications:T1 1 projector video port2715T2 1 voice port and phone271513/2731T3 1 data port near workstation2715Central sound system2751Clock2753	123 513 123
		Electronic Safety and Security: Life safety devices per code 2831	11
		Miscellaneous: N/A	

- 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.



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

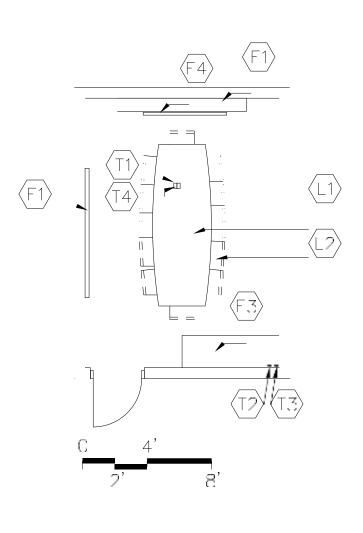
CAPACITY: SIZE: 1 - 3 persons 120 SF

NOTES:

ASSISTANT PRINCIPAL'S OFFICE

H-AD-4		CHAPTER 6: HIGH	SCHOOL
FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	FEATURES ¹ : Fixed Items:	Spec. Ref.#
Carpet or Carpet Tile	096816 096813	F1 Work surface with file drawers F2 4' of tack board	123550 101100
Base:		or tackable wall surface	
Resilient base	096500	F3 Tall wardrobe F4 Wall cabinets above work surface 12	
Ceiling: Suspended, acoustical	095113	Window with integral blind	085116
Walls:		Fire Suppression: Fire suppression system	211000
Painted gypsum wallboard over metal studs	092116/099100	Plumbing: N/A	
LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chairs L3 Computer desk return Wastebasket		HVAC: Supply/return air system Independent temperature control (coupled with similarly loaded adjacent spaces)	Div. 23 230923
		Electrical: Single level switching Fluorescent lighting Illumination level: See Table 860 4 duplex receptacles Double duplex receptacle adjacent to data and video port	262726 265100 00-5 262726
		Communications: T1 1 voice port and phone 271513/273 1 data port near workstation T3 1 <i>projector</i> video port Central sound system Clock	3123 T2 271513 271543 275123 275313
		Electronic Safety and Security: Life safety devices per code Miscellaneous:	283111
		N/A	

- 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.



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: SIZE:

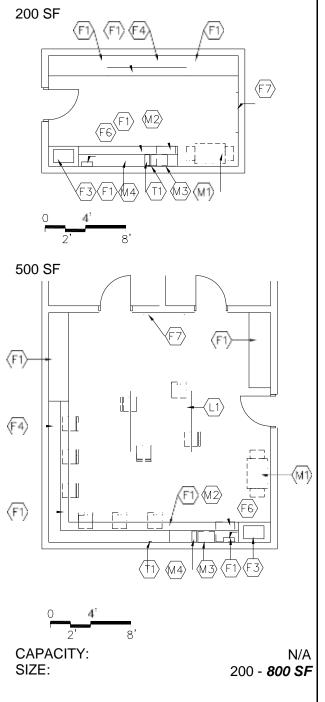
12 – 15 persons 250 SF

NOTES:

CONFERENCE ROOM H-AD-5

H-AD-5		CHAPTER 6: HIGH	SCHOOL
_	Spec.		Spec.
FINISHES ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Flooring:	006946	Fixed Items:	101100
Carpet or Carpet Tile	096816 096813	F1 16'-20' combination marker board, tack board, tackable wall surface	101100
Base:	090013	F2 Reserved	
Resilient base	096500	F3 4'-6' of base cabinets (optional)	123550
		F4 Projection screen (optional)	115213
Ceiling:			
Suspended, acoustical	095113	Fire Suppression:	0.4.4.0.0
NAZ - II -		Fire suppression system	211000
Walls:		Dlumbing	
Painted gypsum wallboard over metal studs	092116/099100	Plumbing: N/A	
over metal stads	032110/033100	14//	
LOOSE FURNISHINGS:		HVAC:	
L1 Conference table		Supply/return air system	Div. 23
L2 Chairs		Independent temperature control	230923
Wastebasket		_, ,,	
		Electrical:	262726
		Multilevel switching Fluorescent lighting	262726 265100
		Illumination level: See Table 86	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent	
		to each data and video port	262726
		Communications:	
		T1 1 <i>projector</i> video port and video dis device 271543	spiay 3/274119
			3/273123
		T3 1 data port	271513
		T4 <i>Ultra-short throw interactive</i> proje	
			274119
		Clock	275313
		Central sound system	275123
		Electronic Safety and Security:	
		Life safety devices per code	283111
		2 ca. c., ac coo po. couc	
		Miscellaneous:	
		N/A	

- 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.



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

SPATIAL RELATIONSHIPS:

Near secretarial area

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

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

MAIL/WORK/COPY ROOM H-AD-6

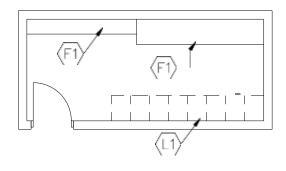
	Spec.		Spec.
FINICHEO1.		FEATUREO1.	•
FINISHES ¹ :	<u>Ref.#</u>	FEATURES ¹ :	<u>Ref.#</u>
Flooring:		Fixed Items:	
Carpet, carpet tile, linoleum, ET,	096500	F1 20'-24' combination wall and	123550
	096813	base cabinets	.2000
rubber, or sheet vinyl			
	096816	F2 8'-12' of tall storage cabinets	123550
	096516	or about 32' maximum of a comb	oination
		storage cabinets	
Б.			400550
Base:		F3 3' sink base cabinet	123550
Resilient base	096500	F4 Mail cubicles for all staff	123200
		F5 Reserved	
O a lilia au			400040
Ceiling:		F6 Towel dispenser (optional)	102813
Suspended, acoustical	095113	F7 4' tack board or	101100
•		marker board (optional)	
Malla.		marker beard (optional)	
Walls:			
Painted gypsum wallboard		Fire Suppression:	
over metal studs 09211	16/099100	Fire suppression system	211000
ovor motar otago ooz r	10,000100		211000
		Plumbing:	
<u>LOOSE FURNISHINGS</u> :		Sink	224000
L1 Work table and chairs		Plumbing connections	
	اد با مد	224000/221110	2/221110
(applicable in 300 SF space of	iniy)		0/221119
Wastebasket		<u>HVAC</u> :	
		Supply/return air system	Div. 23
		1	230923
		Independent temperature control	230923
		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 86	
		3 - 5 duplex receptacles	262726
		Receptacle for copier	262726
			202720
		Communications:	
		T1 1 voice port and phone 27151:	3/273123
		Clock	275313
		Central sound system	275123
			210120
		Electronic Safety and Security:	
		Life safety devices per code	283111
		Miscellaneous:	
			, the
		The following items are to be funded by	y trie
		school district:	
		M1 Copier	
		·	
		M2 Undercounter refrigerator	
		M3 Microwave	
		M4 Coffee maker	
		I WIT CONCENNANCI	

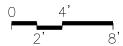
NOTES:

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

CHAPTER 6: HIGH SCHOOL

150 SF





PROGRAM ACTIVITIES:

Supplies, books, records, forms, and equipment storage

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS: N/A

CAPACITY: N/A SIZE: 150 - 400 SF

NOTES:

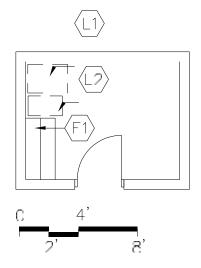
ADMINISTRATIVE STORAGE

H-AD-7		CHAPTER 6: HIGH	SCHOOL
FINISHES¹: Flooring:	Spec. <u>Ref.#</u>	FEATURES¹: Fixed Items:	Spec. <u>Ref.#</u>
Rubber, carpet, carpet tile, linoleum, ET or sheet vinyl	096500 096813 096816 096516	F1 10'-20' of open shelving depth may vary (fixed or loose) Option: mobile storage shelving	123550 105626
Base: Resilient base	096500	Fire Suppression: Fire suppression system	211000
Ceiling: Suspended, acoustical	095113	Plumbing: N/A	
Walls: Painted gypsum wallboard over metal studs 092	2116/099100	HVAC: To be determined by Design Profess Supplemental heat as required	sional Div. 23
LOOSE FURNISHINGS: L1 File cabinets		Electrical: Single level switching Fluorescent lighting Illumination level: See Table 860 1 duplex receptacle	262726 265100 00- 5 262726
		Communications: N/A	
		Electronic Safety and Security: N/A	
		Miscellaneous: N/A	

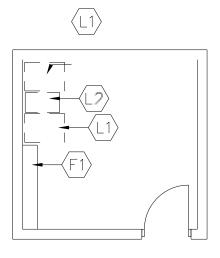
NOTES:

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

85 SF



140 SF



CAPACITY: SIZE:

N/A **85 - 200 SF**

PROGRAM ACTIVITIES:

 Storage of records and security files in a secure area

SPATIAL RELATIONSHIPS:

- Access to guidance area
- Access to secretarial personnel

ENVIRONMENTAL CONSIDERATIONS: N/A

NOTES:

VAULT/RECORDS STORAGE H-AD-8

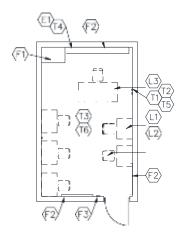
CHAPTER 6: HIGH SCHOOL Spec.

	Spec.		Spec.
FINISHES ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Flooring:		Fixed Items:	
Rubber, <i>carpet, carpet tile</i> ,	096500	F1 3'-6' of open shelving,	
linoleum, ET or sheet vinyl	096813	(depth may vary)(fixed or loose)	123550
-	096816	Option: mobile storage shelving	105626
	096516		
Base:		Fire Suppression:	
Resilient base	096500	Fire suppression system	211000
Ceiling:		<u>Plumbing</u> :	
Rated 2-hour construction		N/A	
Walls:		HVAC:	
Painted concrete masonry units o		To be determined by Design Profe	ssionai
	00/099100	Floatrical	
painted gypsum wallboard 09211	6/099100	Electrical: Single level switching	262726
Rated 2-hour construction		Fluorescent lighting	262726 265100
		Illumination level: See Table 86	
LOOSE ELIDNISHINGS:		1 duplex receptacle	262726
LOOSE FURNISHINGS: L1 File cabinet		T duplex receptable	202120
L2 Safe (loose or fixed)		Communications:	
L2 Sale (1005e of fixed)		N/A	
		147.	
		Electronic Safety and Security:	
		N/A	
		Miscellaneous:	
		Wall, ceiling, and door construction t	o have a
		2-hour fire rating	

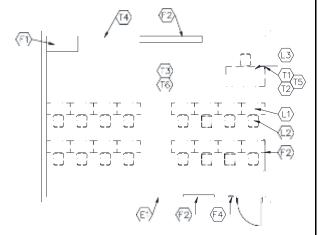
NOTES:

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

200 SF



575 SF



CAPACITY: SIZE:

5 - 8 students 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:

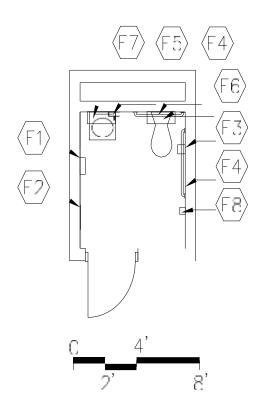
 Environmental sound control wall only minimum STC 45 ceiling minimum CAC 35, NRC 0.70

NOTES:

IN-SCHOOL SUSPENSION H-AD-9

H-AD-9		CHAPTER 6: HIGH SCHOOL
FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	Spec. FEATURES¹: Ref.# Fixed Items:
Carpet, carpet tile, ET, linoleum, sheet vinyl, or rubber	096816 096500 096516 096813	F1 3'-4' of base cabinets (optional) 123550 F2 10'-16' combination marker board, 101100 tack board, tackable wall surface F3 Reserved
Base: Resilient base	096500	F4 Pencil sharpener support (optional) 062000
Ceiling: Suspended, acoustical	095113	Fire Suppression: Fire suppression system 211000
Walls: Paint	092113	Plumbing: N/A
LOOSE FURNISHINGS: L1 Student carrels and/or desks L2 Student chairs L3 Teacher workstation and chair L4 Reserved		HVAC: Supply/return air system Div. 23 Independent temperature control 230923 Electrical: Single level switching 262726
Wastebasket		Fluorescent lighting 265100 Illumination level: See Table 8600-5 4 duplex receptacles 262726 Double duplex receptacle adjacent to each data and video port 262726
		Communications: T1 1 voice port and phone T2 1 data port near teacher 271513/273123
Electronic Safety and Security: Life safety devices per code	283111	workstation 271513 T3 Wireless access point cable above ceiling 271513
Miscellaneous: Pencil sharpener (optional)		T4 1 <i>projector</i> video port 271543 Clock 275313 Central sound system 275123
E1 Duplex receptacle with dedicated circuit for wireless devices		T5 Classroom technology center video port 271543, 274116, 274119, 275127 T6 Wireless access point (WAP) as determined by Design – refer to Note 2 272133

- 1. Finishes/Features: Refer to Chapter 9 for specification references.
- 2. Baseline includes WAP cable. WAP device quantity / placement per 272133 requirements.



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

SPATIAL RELATIONSHIPS:

Located in the administrative area

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: SIZE:

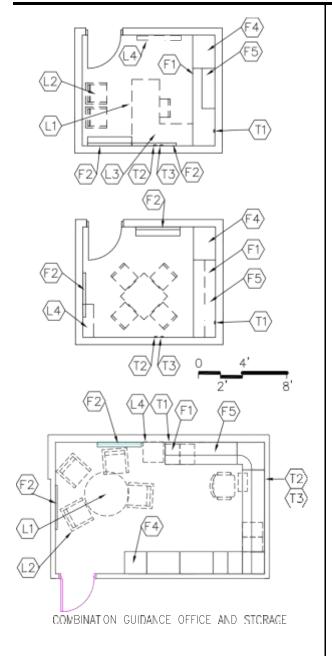
1 person 60 SF

RESTROOM H-AD-10

H-AD-10		CHAPTER 6: H	IIGH SCHOOL
FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	FEATURES ¹ : Fixed Items:	Spec. <u>Ref.#</u>
ET, ceramic mosaic, porcelain	096516	F1 Towel dispenser	102813
or sheet vinyl	096500	F2 24" x 60" mirror	102813
Optional: resinous flooring	093000	F3 Toilet tissue holder	102813
	096723	F4 36" and 42" grab bar	102813
Base:		F5 Soap dispenser F6 8" deep wall cabinet above	102813
Resilient base	096500	toilet for supplies (optional)	102813 F7
Optional: ceramic mosaic tile,	093000	Stainless steel shelf (optional)	102813 F8
porcelain tile, resinous flooring	096723	Coat hook	102813
		Fire Suppression:	
Ceiling:		Fire suppression system	211000
Suspended, acoustical	095113	Discondition	
Walls:		Plumbing: Wall-mounted water closet	224000
Painted concrete masonry units		Wall-mounted lavatory	224000
	0/099100	Plumbing connections	
Optional: moisture & abuse-resistar	nt		116/221119
gypsum wall board 092116	/099100	10/40	
LOOSE ELIDNISHINGS		HVAC: Exhaust air system	Div. 23
LOOSE FURNISHINGS: Wastebasket		Supplemental heat as required	Div. 23
vvastobasket		Cappiomoniai noat ao roquiroa	D.V. 20
		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 1 duplex receptacle	262726
		i duplex receptacie	202720
		Communications:	
		Central sound system	275123
		Electronic October 1 October 1	
		Electronic Safety and Security: Life safety devices per code	283111
		Miscellaneous: N/A	

NOTES:

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



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 1 - 3 persons SIZE: 120 SF

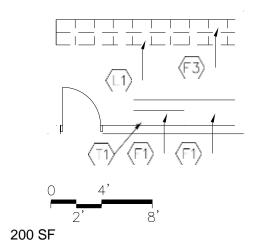
NOTES:

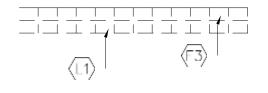
GUIDANCE COUNSELOR'S OFFICE H-AD-11

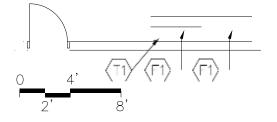
H-AD-11		CHAPTER 6: HIGH	SCHOOL
	Spec.		Spec.
FINISHES ¹ :	Ref.#	<u>FEATURES</u> 1:	Ref.#
Flooring:	000040	Fixed Items:	400550
Carpet or Carpet Tile	096816 096813	F1 Work surface with file drawers F2 8'-12' combination chalk/marker	123550 101100
Base:	090013	board, tack board, tackable wall sur	
Resilient base	096500	F3 Reserved	iace
	00000	F4 Tall wardrobe	123550
Ceiling:		F5 Wall cabinets	123550
Suspended, acoustical	095113		
		Fire Suppression:	
Walls:		Fire suppression system	211000
Painted gypsum wallboard	000446/000400	Diversión	
over metal studs	092116/099100	Plumbing: N/A	
LOOSE FURNISHINGS:		IN/A	
L1 Desk or table, with chair		HVAC:	
L2 Visitor chairs		Supply/return air system	Div. 23
L3 Computer desk return		Independent temperature control	230923
L4 Bookcase (fixed or loose)		(coupled with similarly loaded	
Wastebasket		adjacent spaces)	
		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 86	
		4 duplex receptacles	262726
		Double duplex receptacle adjacent	
		data and video port	262726
		Communications:	
		T1 1 projector video port	271543
			3/273123
		T3 1 data port near workstation	271513
		Central sound system	275123
		Clock	275313
		Electronic Safety and Security:	
		Life safety devices per code	283111
		Messallansans	
		Miscellaneous: N/A	
		14/7	

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

100 SF







CAPACITY: SIZE:

100 - 300 SF

N/A

NOTES:

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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

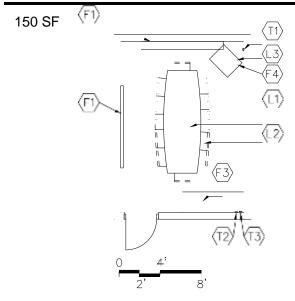
ENVIRONMENTAL CONSIDERATIONS: N/A

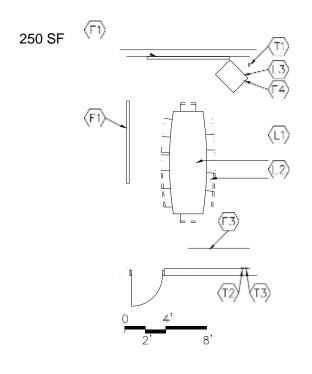
GUIDANCE RECORDS/STORAGE H-AD-12

	CHAPTER 6: H	IGH SCHOOL
Spec. <u>Ref.#</u>	FEATURES ¹ :	Spec. Ref.#
096500 096813	Fixed Items: F1 6'-10' combination wall and bas cabinets and tall cabinets	· · · · · · · · · · · · · · · · · · ·
096516	Option: mobile storage shelving	105626
096500	F3 4'-10' shelving (optional)	123550
	Fire Suppression: Fire suppression system	211000
16/000100	Plumbing: N/A	
00/099100	HVAC: To be determined by Design Profe	essional
	Electrical: Single level switching Fluorescent lighting Illumination level: See Table 1 duplex receptacle	262726 265100 8600- 5 262726
	Communications: T1 1 data port (optional)	271513
	Electronic Safety and Security: Life safety devices per code	283111
	Miscellaneous: Wall, ceiling, and door constructi a 2-hour fire rating	on to have
	Ref.# 096500 096813 096816 096516 096500	Spec. Ref.# FEATURES¹: Fixed Items: F1 6'-10' combination wall and base cabinets and tall cabinets F2 Reserved Option: mobile storage shelving or file cabinets Option: mobile storage shelving or file cabinets F3 4'-10' shelving (optional) Fire Suppression: Fire suppression system Plumbing: N/A HVAC: To be determined by Design Profet Electrical: Single level switching Fluorescent lighting Illumination level: See Table 1 duplex receptacle Communications: T1 1 data port (optional) Electronic Safety and Security: Life safety devices per code Miscellaneous: Wall, ceiling, and door constructi

NOTES:

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





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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

SIZE:

CAPACITY:

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

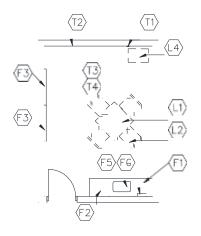
12 - 15 persons 150 - 250 SF

GUIDANCE CONFERENCE ROOM H-AD-13

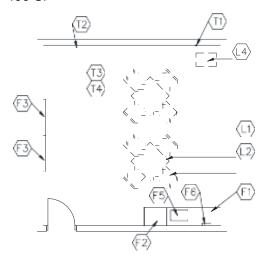
H-AD-13		CHAPTER 6: HIGH	SCHOOL
	Spec.		Spec.
<u>FINISHES</u> 1:	<u>Ref.#</u>	<u>FEATURES</u> ¹ :	Ref.#
Flooring:	222242	Fixed Items:	404400
Carpet or Carpet Tile	096816	F1 10'-16' combination marker board,	101100
Dagg	096813	tack board, tackable wall surface	
Base: Resilient base	096500	F2 Reserved F3 4'-6' of base cabinets	122550
Resilient base	096500	F4 Technology support casework	123550 123550
Ceiling:		(optional)	123330
Suspended, acoustical	095113	(optional)	
		Fire Suppression:	
Walls:		Fire suppression system	211000
Painted gypsum wallboard		,	
over metal studs	092116/099100	Plumbing:	
		N/A	
LOOSE FURNISHINGS:			
L1 Conference table		HVAC:	D : 00
L2 Chairs		Supply/return air system	Div. 23
L3 Monitor cart or cabinet	-1-\	Independent temperature control	230923
(could be fixed casework Wastebasket	rk)	Electrical:	
wasiepaskei		Multilevel switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 860	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent	
		to each data and video port	262726
		Communications:	
		T1 1 <i>projector</i> video port and video dis	nlav
			/274119
			/273123
		T3 1 data port	271513
		Clock	275313
		Central sound system	275123
		Electronic Safety and Security:	
		Life safety devices per code	283111
		Miscellaneous:	
		N/A	

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

200 SF



400 SF



CAPACITY: SIZE:

2 - 8 persons 200 - 400 SF

PROGRAM ACTIVITIES:

After school meetings, community, and small group meetings

SPATIAL RELATIONSHIPS:

Near administrative area

ENVIRONMENTAL CONSIDERATIONS:

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

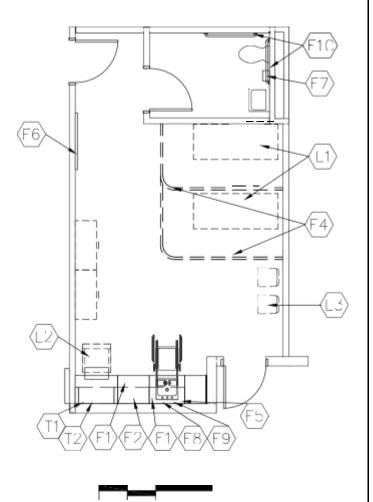
NOTES:

PARENT/VOLUNTEER ROOM H-AD-14

H-AD-14		CHAPTER 6: HIGH SCHOOL
FINISHES ¹ :	Spec. <u>Ref.#</u>	Spec. FEATURES ¹ : Ref.#
Flooring: Carpet or Carpet Tile	096816 096813	Fixed Items: F1 About 3' of base cabinets F2 Tall wardrobe or 123550
Base: Resilient base	096500	coat cabinet (optional) F3 8'-12' combination marker board, 101100
Ceiling: Suspended, acoustical	095113	tack board, and tackable wall surface F4 Pencil sharpener support (optional) 062000 F5 3' sink base cabinet 123550 F6 Towel dispenser 102813
Walls: Painted gypsum wallboard over metal studs 092	2116/099100	Fire Suppression: Fire suppression system 211000
<u>LOOSE FURNISHINGS</u> : L1 Table L2 Chairs		Plumbing: Sink 224000 Plumbing connections
L3 Reserved		224000/221116/221119
L4 Monitor cart Wastebasket		HVAC: Supply/return air system Div. 15 Independent temperature control (coupled with similarly loaded adjacent spaces)
		Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-5 4 duplex receptacles 262726 Double duplex receptacle adjacent to each data and video port 262726
Miscellaneous: Pencil sharpener (optional) Electronic Safety and Security: Life safety devices per code 283	111	Communications: T1 Reserved T2 voice port with phone 271513/273123 T3 Wireless access point cable above ceiling 271513 T4 Wireless access point (WAP) as determined by design – refer to note 2
		271533 Clock 275313 Central sound system 275123

- 1. Finishes/Features: Refer to Chapter 9 for specification references.
- 2. Baseline includes WAP cable. WAP device quantity / placement per 272133 requirements.

450 SF



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 2 - 3 patients
SIZE: Clinic.......340 - 540 SF
Restroom.................60 SF

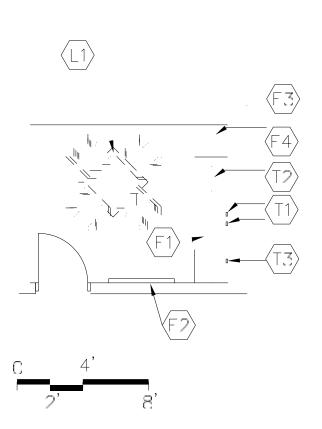
ANCILLARY SPACES: Secretarial Area

H-AD-2

NOTES:

HEALTH CLINIC (includes restroom) H-AD-15

H-AD-15	,	CHAPTER 6: HIGH	1 SCHOOL
	Spec.		Spec.
FINISHES ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Flooring:		Fixed Items:	
ET, sheet vinyl, or	096516	F1 8'-18' combination base and wall	123550
resinous flooring	096500	cabinets, lockable	400550
Destroom: ET sheet virus	096723	F2 3' sink base cabinet	123550
Restroom: ET, sheet vinyl,	093000	F3 Reserved	400400
resinous flooring, ceramic		F4 Cubicle curtain and track	102123 102813
mosaic, or porcelain tile		F5 Towel dispenser F6 4' of tack board	102013
Base:		F7 Sanitary napkin dispenser/disposal	
Resilient base, resinous flooring,	096500	F8 Soap dispenser	102813
integral vinyl cover base, <i>or</i>	096730	F9 24" x 60" mirror	102813
ceramic mosaic, or porcelain tile		F10 36" and 42" grab bars	102813
coranno mocano, en percenam ano		g. a.o. ca. c	
Ceiling:		Fire Suppression:	
Suspended, acoustical	095113	Fire suppression system	211000
Walls:		Plumbing:	004000
Painted gypsum wallboard	0/000400	Wall-mounted water closet	224000
over metal studs 09211	6/099100	Wall-mounted lavatory	224000
LOOSE FURNISHINGS:		Sink - with goose neck Plumbing connections	224000
		224000/221116	3/221110
L1 Cots L2 Desk and chair		HVAC:	3/221119
L2 Desk and Chair		IIVAC.	
L3 Chairs		Supply/return air system	Div. 23
Wastebasket		Independent temperature	
vvastobasket		control	230923
EQUIPMENT		Exhaust directly to exterior	
E1 Refrigerator with ice making capabil	lities	-	
3		Electrical:	
		Single level switching with dimmer	
Miscellaneous:		Fluorescent lighting	265100
N/A		Illumination level: See Table 86	
		2 duplex receptacles	262726
		Double duplex receptacle adjacent	
		to each data port Receptacle for refrigerator	262726 262726
		Emergency lighting	265100
		Linergency lighting	203100
		Communications:	
			3/ 273123
		T2 1 data port near workstation	271523
		Clock	275313
		Central sound system	275123
		Electronic Safety and Security:	000444
		Life safety devices per code	283111



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

APACITY: SIZE:

1 - 3 persons 120 SF

NOTES:

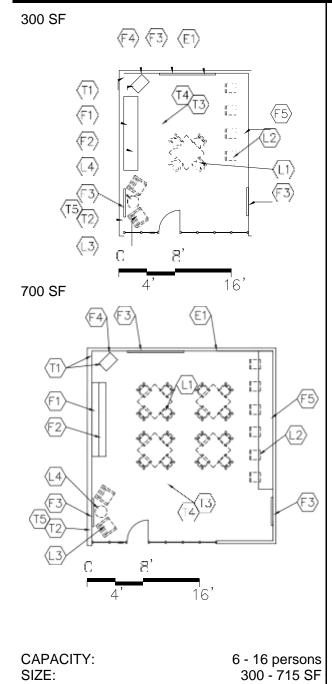
ITINERANT PERSONNEL OFFICE H-AD-16

		CHAPTER 6. HIGH SCHOOL
	Spec.	Spec.
FINISHES1:	Ref.#	FEATURES ¹ : Ref.#
	<u>1\G1.#</u>	
Flooring:	222212	Fixed Items:
Carpet or Carpet Tile	096816	F1 Work surface with file drawers(optional)123550
	096813	F2 4' of tack board 101100
Base:		or tackable wall surface
Resilient base	096500	F3 Tall wardrobe (optional) 123550
resilient base	030300	F4 Wall cabinets 123550
O '''		r4 wall cabinets 123000
Ceiling:		
Suspended, acoustical	095113	Fire Suppression:
•		Fire suppression system 211000
Walls:		,
		Dlumbing
Painted gypsum wallboard		Plumbing:
over metal studs	092116/099100	N/A
LOOSE FURNISHINGS:		HVAC:
L1 Table and chairs		Supply/return air system Div. 23
Wastebasket		Independent temperature control 230923
		(coupled with similarly loaded
		adjacent spaces)
		Electrical:
		Single level switching 262726
		Fluorescent lighting 265100
		Illumination level: See Table 8600-5
		4 duplex receptacles 262726
		Double duplex receptacle adjacent
		to data and video port 262726
		to data and video port 202720
		Communications:
		T1 1 voice port and phone 271513/273123
		T2 1 data port 271513
		T3 1 <i>projector</i> video port 271543
		Central sound system 275123
		Clock 275313
		Electronic Safety and Security:
		Life safety devices per code 283111
		Missellaneous
		Miscellaneous:
		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



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

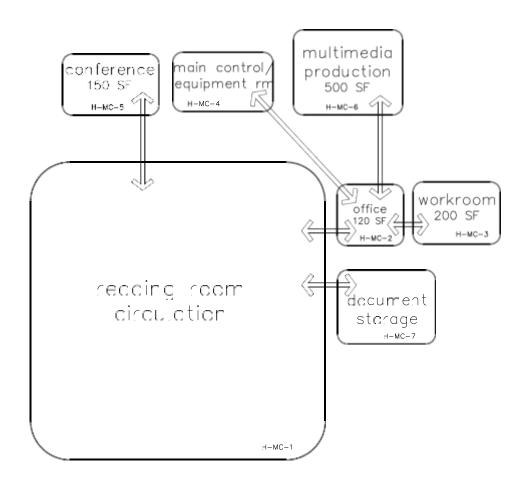
- Environmental sound control wall minimum STC 45
- ceiling minimum CAC 35, NRC 0.70

NOTES:

CAREER CENTER H-AD-17

H-AD-17		CHAPTER 6: HIGH SCHOOL
FINISHES ¹ :	Spec. <u>Ref.#</u>	FEATURES ¹ : Ref.# Fixed Items:
Flooring: Carpet or Carpet Tile	096816 096813	F1 8'-16' display cabinets 123550 F2 About 9' base cabinets 123550
Base: Resilient	096500	 F3 12'-16' combination marker board, 101100 tack board, tackable wall surface F4 Technology support casework 123550
Ceiling: Suspended, acoustical	095113	F5 Workstation 123550 Fire Suppression:
Walls: Painted concrete masonry unit 042	s 2000/099100	Fire suppression system 211000 Plumbing: N/A
LOOSE FURNISHINGS: L1 Work tables and chairs L2 Workstation chairs L3 Reading chairs L4 Small table Wastebasket		HVAC: Supply/return air system Div. 23 Independent temperature control 230923
vvasiebaskei		Electrical: Fluorescent lighting: 265100 Illumination level: See Table 8600-5 Multilevel switching 262726 4 duplex receptacles 262726 Double duplex receptacles adjacent to each data and video port 262726
Electronic Safety and Security: Life safety devices per code Miscellaneous:	283111	Communications: T1 1 projector video port and video display device 271543/274119
E1 Duplex receptacle with dedic circuit for wireless devices	cated	T2 1 voice port 271513/273113 T3 <i>Wireless access point cable above ceiling</i> 271513 Clock 275313
		Central sound system 275123 T4 Wireless access point (WAP) as determined by Design – refer to Note 4 272133
		T5 Classroom technology center video port 271543, 274116, 274119, 275127

- 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.
- 4. Baseline includes WAP cable per classroom. WAP device quantity/placement per 272133 requirements.



NOTE:

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

Following are the Media Center space plates:

H-MC-1 Reading Room/Circulation H-

MC-2 Media Specialist Office

H-MC-3 Workroom/Storage

H-MC-4 Main Control / Equipment Room

H-MC-5 Conference Room

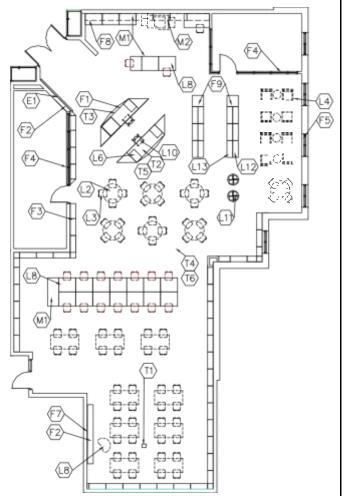
H-MC-6 Multimedia Production Room

H-MC-7 Document Storage

MEDIA CENTER SPACES	3
н-м С	

CHAPTER 6: HIGH SCHOOL

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 10% of student capacity
SIZE: 10% of student capacity

multiplied by 35 SF per student

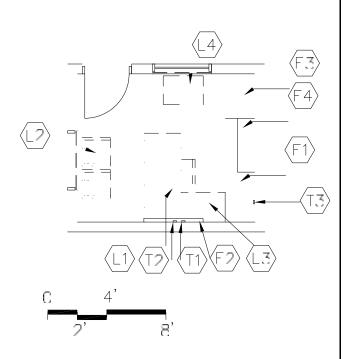
NOTES:

READING ROOM/CIRCULATION

H-MC-1 **CHAPTER 6: HIGH SCHOOL** Spec. Spec. FEATURES1: Ref.# FINISHES1: Ref.# Fixed Items: Flooring: F1 Circulation desk casework 123550 Carpet or Carpet Tile 096816 12'-20' combination marker 101100 096813 board, tack board, tackable wall surface Library book shelving (see notes) Base: F3 115123 096500 Resilient base F4 Interior windows 081113/088000 F5 Windows with integral blinds or shades 085113 F6 Pencil sharpener support (optional) 062000 Ceiling: Projection screen (optional) **F7** 115213 Suspended, acoustical 095113 Technology support casework F8 123550 Search station terminals F9 123550 Walls: Roller window shades (optional) 122413 Painted concrete masonry units 042000/099100 Fire Suppression: 098000 Acoustical wall treatment Fire suppression system 211000 Plumbing: LOOSE FURNISHINGS2: N/Ā HVAC: Mobile book carts L1 Supply/return air system Div. 23 L2 Student tables Independent temperature control 230923 L3 Student chairs **Electrical**: L4 Casual seating chairs Fluorescent lighting: 265100 L5 Study carrels (optional) Illumination level: See Table 8600-5 L6 (3) Desk height file cabinets Multilevel switching 262726 L7 Atlas stand (optional) 10 duplex receptacles 262726 Computer workstation furniture L8 Double duplex receptacle adjacent to Dictionary stand (optional) each data and video port 262726 L10 Circulation desk task chair Emergency lighting per code 265100 L11 Paperback book racks Means of egress lighting per code 265100 L12 Newspaper racks Communications: L13 Magazine display T1 1 *projector* video port and video display device 271543/274119 Wastebaskets T2 1 voice port and phone at 271513/273123 Electronic Safety and Security: circulation desk Life safety devices per code 283111 **T3** 2 data ports for media center automation system 271513 T4 Wireless access point cable above ceiling Miscellaneous: Pencil sharpener (optional) 271513 Clock The following items are to be funded by the owner: 275313 2 printers: 1 at circulation desk and Central sound system 275123 1 in student work area T5 Classroom technology center video port 271543, 274116, 274119, 275127 M2 Copier *T*6 Wireless access point (WAP) as determined by Design - refer to Note 6. Duplex receptacle with dedicated 272133 circuit for wireless devices

- 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.

Up to 20% of book shelving can be moveable.
 Baseline includes WAP cable. WAP device quantity / placement per 272133 requirements.



• Media specialist to conduct duties

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

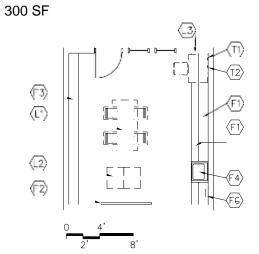
CAPACITY: SIZE: 1 - 3 persons 120 SF

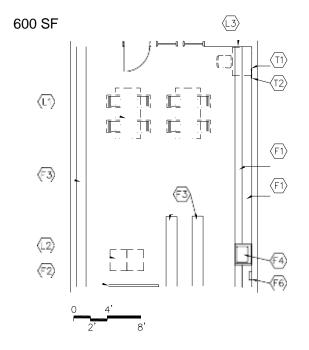
NOTES:

MEDIA SPECIALIST OFFICE H-MC-2

H-MC-2		CHAPTER 6: H	HIGH SCHOOL
	Spec.		Spec.
<u>FINISHES</u> ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Flooring:		Fixed Items:	
Carpet or Carpet Tile	096816	F1 Work surface with file drawers	123550
	096813	F2 4' of tack board	101100
Base:		or tackable wall surface	
Resilient base	096500	F3 Tall wardrobe	123550
0.28		F4 Wall cabinets	123550
Ceiling:	005440	F5 Bookcases (optional)	123550
Suspended, acoustical	095113	Fire Oversessians	
Woller		Fire Suppression:	211000
Walls:	oito	Fire suppression system	211000
Painted concrete masonry u	042000/099100	Plumbing:	
	042000/099100	N/A	
LOOSE ELIDNISHINGS:		IV/A	
LOOSE FURNISHINGS: L1 Desk and chair		HVAC:	
L2 Visitor chairs		Supply/return air system	Div. 23
L3 Computer desk return		Independent temperature contro	
L4 File cabinet		(coupled with similarly loaded	
Wastebasket		adjacent spaces)	
radiobachet		, ,	
		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table	
		4 duplex receptacles	262726
		Double duplex receptacle adjac	
		data and video port	262726
		Communications	
		Communications:	0/070100 TO
		T1 1 voice port and phone 271513 1 data port near workstation	271513
		T3 1 <i>projector</i> video port	271513
		Central sound system	275123
		Clock	275313
		Glock	270010
		Electronic Safety and Security:	
		Life safety devices per code	283111
		, , , , , , , , , , , , , , , , , , , ,	
		Miscellaneous:	
			113/088000

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





Space for receiving, processing, and repairing media material

SPATIAL RELATIONSHIPS:

- Near reading room/circulation
- Near media specialist office

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

SIZE:

CAPACITY:

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

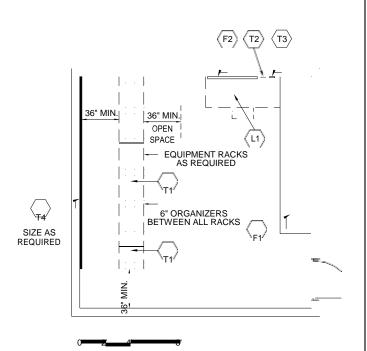
2 - 8 staff

300 - 700 SF

WORKROOM/STORAGE H-MC-3

H-MC-3		CHAPTER 6: HIGH	SCHOOL
FINISHES ¹ :	Spec. Ref.#	FEATURES ¹ : Fixed Items ² :	Spec. Ref.#
Flooring: Linoleum, rubber, ET or sheet Vinyl	096500 096516	F1 26'-50' combination base, wall and tall cabinets	123550
Option: Carpet, carpet tile	096813 096816	F2 4'-8' of tack board <i>or marker board</i> F3 16'-60' of bookcases	123550
Base:	000500	F4 3' sink base cabinet F5 Reserved	123550
Resilient base	096500	F6 Towel dispenser	102813
Ceiling: Suspended, acoustical	095113	Fire Suppression: Fire suppression system	211000
Walls: Painted concrete masonry units 0420	00/099100	Plumbing: Sink Plumbing connections 224000/221116	224000
LOOSE FURNISHINGS: L1 Table and chairs L2 Book trucks L3 Computer workstation Wastebasket		HVAC: Supply/return air system Independent temperature control (coupled with similarly loaded adjacent spaces)	Div. 23 230923
		T2 1 data port Clock Central sound system Electronic Safety and Security: Life safety devices per code Miscellaneous:	262726

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



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

 Ventilation and cooling of heat-generating electronic equipment

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

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

ER Utilized for local serving zone – add minimum 80 SF

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

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

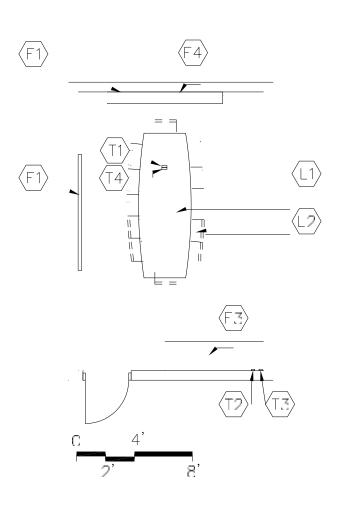
- 1. Loose furnishings shown represent one of many possible arrangements.
- 2. Verify and coordinate ER size and location with the technology designer during programming phase.

MAIN CONTROL / EQUIPMENT ROOM

H-MC-4	· • • • • • • • • • • • • • • • • • • •	CHAPTER 6: HIGH SCHOOL
FINISHES ¹ :	Spec. <u>Ref.#</u>	Spec. FEATURES¹: Ref.#
Flooring: ET or sheet vinyl	096500	Fixed Items: F1 8'-16' of open shelving,
Base: Resilient base	096500	depth may vary (fixed or loose) 123550 F2 4' of tack board or marker board 101100
Ceiling:	005440	Fire Suppression: Fire suppression system 211000
Suspended, acoustical Walls:	095113	Plumbing: N/A
Painted concrete masonry units 04	2000/099100	HVAC: Independent, packaged system Div. 23
LOOSE FURNISHINGS: L1 Desk and chair Wastebasket		Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-5 3 duplex receptacles 262726 Duplex receptacle for electronic
		systems 262726 Telecommunications Grounding 270526/260526
		Standby Power 263213/263600 Communications: T1 Technology Equipment
		Central sound system 275123 Telephone wiring 271313/271513 Integrated telephone system 273123 Video wiring 271543 Digital on demand delivery system 274125 Local area network wiring 271513/271323 Local area networkelectronics272100/272133 Grounding & Infrastructure Equipment 270526/271100
		T2 1 voice port and phone 271513/273123 T3 1 data port near workstation 271513 T4 3/4" plywood back board 271313
		Electronic Safety and Security: Life safety devices per code 283111 Security system 281300/281600/282300
		Miscellaneous: Provide distribution equipment with an equipment electrical ground.

NOTES:

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



• Used primarily by students for group projects

SPATIAL RELATIONSHIPS:

Near reading room/circulation

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY:

SIZE:

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

8 - 12 persons

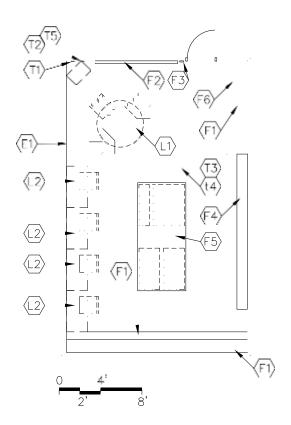
250 SF

CONFERENCE ROOM H-MC-5

H-MC-5		CHAPTER 6: HIGH	SCHOOL
	Spec.		Spec.
FINISHES ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Flooring:		Fixed Items ² :	
Carpet or Carpet Tile	096816	F1 14'-18' combination marker board,	101100
Base:	096813	tack board and tackable wall surface F2 Reserved	Э
Resilient base	096500	F3 4'-6' of base cabinets (optional)	123550
resilient base	030300	(fixed or mobile)	120000
Ceiling:		F4 Projection screen (optional)	115213
Suspended, acoustical	095113		
		Fire Suppression:	
Walls:		Fire suppression system	211000
Painted concrete masonry unit		Diversión ex	
02	12000/099100	Plumbing: N/A	
LOOSE FURNISHINGS:		IVA	
L1 Conference table		HVAC:	
L2 Chairs		Supply/return air system	Div. 23
Wastebasket		Independent temperature control	230923
		Electrical:	000700
		Multilevel switching Fluorescent lighting	262726 265100
		Illumination level: See Table 860	
		3 duplex receptacles	262726
		Double duplex receptacle adjacent	202.20
		to each data and video port	262726
		·	
		Communications:	
		T1 1 <i>projector</i> video port	271543
		T2 1 voice port and phone 271513/27 1 data port	271513
		T4 <i>Ultra-short throw interactive</i> proje	
		THE Old a Short all ow interactive project	274119
		Clock	275313
		Central sound system	275123
		Electronic Safety and Security:	000444
		Life safety devices per code	283111
		Miscellaneous:	
		N/A	
		** -	

- 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.

500 SF



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Near workroom/storage
- Near media center

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: SIZE:

5 - 7 persons 500 - 800 SF

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

MULTIMEDIA PRODUCTION ROOM H-MC-6

H-MC-6		CHAPTER 6: HIGH SCHOO	ιL
	Spec.	Spec.	
FINISHES ¹ :	Ref.#	FEATURES1: Ref.#	
Flooring:	000500	Fixed Items ² :	
Linoleum, ET, sheet vinyl, or rubber	096500 096516	F1 15'-45' combination base, wall and tall cabinets 123550	
LT, Sheet virigh, or rubber	030310	F2 4'-8' of tack board or marker board 101100	
Base:		F3 Pencil sharpener support (optional) 062000	
Resilient base	096500	F4 4' - 16' of tall bookcases 123550	
		F5 Work surface 123550	,
Ceiling:		F6 Technology support casework 123550	i
Suspended, acoustical	095113	(if applicable)	
Walls:		Fire Suppression:	
Painted concrete masonry units		Fire suppression system 211000	1
04200	0/099100	Plumbing:	
		N/A	
LOOSE FURNISHINGS:		HVAC:	
L1 Tables and chairs/stools		Supply/return air system Div. 23	
L2 Computer workstation furniture Wastebasket		Independent temperature control 230923	
Wasiebaskei		Electrical: Multilevel switching 262726	
		Fluorescent lighting 265100	
		Illumination level: See Table 8600-5	
		4 duplex receptacles 262726	,
Electronic Safety and Security:		Double duplex receptacle adjacent	
Life safety devices per code	283111	to each data and video port 262726	ř
NA's collections		Communications:	
Miscellaneous:		T1 1 <i>projector</i> video port and video display	
Pencil sharpener (optional)		device 271543/274119	
Interior windows for supervision (option	,	T2 1 voice port and phone 271513/273123 T3 <i>Wireless access point cable above</i>	
	3/088000	ceiling 271513	Į.
The following items to be provided by	the	Clock 275313	
school district:		Central sound system 275123	
Copier, scanner, printers, binders,		T4 Wireless access point (WAP) as	i
laminators		determined by Design – refer to Note 3 272133	
E1 Duplex receptable with dedicat	ted	T5 Classroom technology center video port	

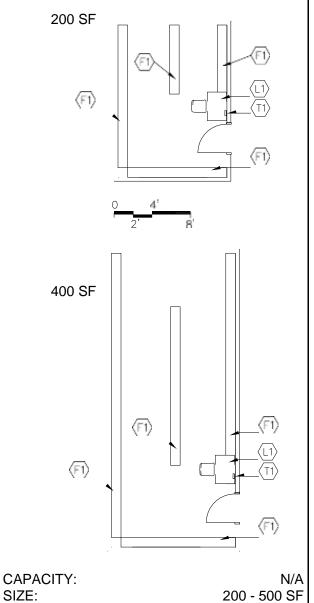
NOTES:

- 1. Finishes/Features: Refer to Chapter 9 for specification references.
- 2. Ranges shown indicate quantities for the smallest and largest possible room size.
- 3. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.

E1 Duplex receptacle with dedicated

circuit for wireless devices

271543, 274116, 274119, 275127



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

SPATIAL RELATIONSHIPS:

• Near reading room/circulation

ENVIRONMENTAL CONSIDERATIONS: N/A

NOTES:

DOCUMENT STORAGE H-MC-7

Spec.		Spec.
Ref.#	<u>FEATURES</u> :	Ref.#
	Fixed Items ² :	
	Ref.#	Ref.# FEATURES: Fixed Items ² :

36' - 80' of open shelving *Linoleum*, rubber, *ET*, 096500 F1 096516 sheet vinyl (fixed or loose)

096500

123550 Option: mobile storage shelving 105626

Base: Resilient base

Fire Suppression:

Fire suppression system 211000 Ceiling: Suspended, acoustical 095113

Plumbing: Walls: N/A

Painted concrete masonry units

042000/099100 HVAC: To be determined by Design Professional LOOSE FURNISHINGS:

L1 Computer worksurface

Electrical: Fluorescent lighting: 265100 Illumination level: See Table 8600-5

Supplemental heat as required

Single level switching 262726 2 duplex receptacles 262726

CHAPTER 6: HIGH SCHOOL

Div. 23

Communications:

1 data port (optional) 271523

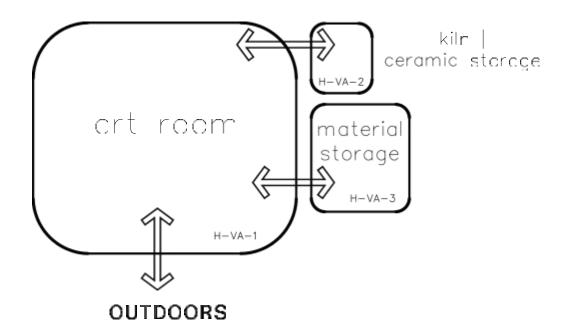
Electronic Safety and Security:

N/A

Miscellaneous:

N/A

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

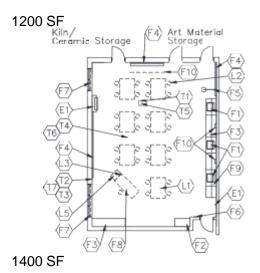
H-VA-1 Art Room

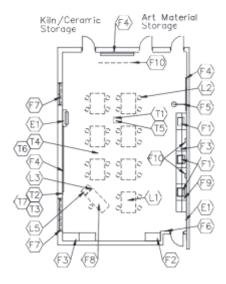
H-VA-2 Kiln/Ceramic Storage H-VA-3 Art Material Storage

VISUAL	ARTS	SPA	CES
⊔_ \/ ∧			

CHAPTER 6: HIGH SCHOOL

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CAPACITY: 25 students SIZE: 1,200 – 1,400 SF ANCILLARY SPACES: Kiln/Ceramic Storage

H-VA-2

Art Material Storage

H-VA-3

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

 Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.

Recommended: Daylighting design with glazing area determined by design solution.

- Environmental sound control wall only minimum STC 45 ceiling minimum STC 35, NRC 0.70
- Stain-resistant floor covering

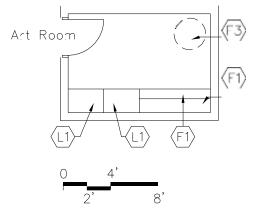
NOTES:

ART ROOM H-VA-1

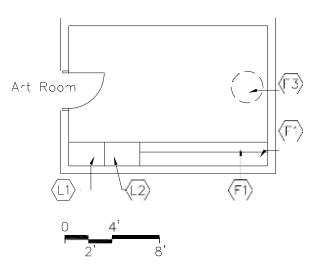
H-VA-1		CHAPTER 6: HIGH SCHOOL
FINISHES¹: Flooring: Linoleum, ET, sheet vinyl, rubber, sealed concrete,	Spec. Ref.# 096516 096500 033000	FEATURES¹: Ref.# Fixed Items: F1 3'-4' sink base cabinet with wall cabinets above or wash fountains 123550 F2 Tall wardrobe with file drawers 123550 F3 16'-22' combination base, wall and 123550
polished concrete finishing, or colored concrete finishing Base:	033510 033519	tall cabinets F4 22'-36' combination marker board, 101100 tack board, tackable wall surface F5 Emergency eyewash 224000
Resilient base	096500	F6 Pencil sharpener support(optional) 062000 F7 Windows withintegral blinds 085113 F8 Technology support casework 123550
Ceiling: Suspended, acoustical	085113	F9 Towel dispenser 102813 F10 Projection screen (optional) 115213 Fire Suppression:
Walls: Paint	099100	Fire suppression system 211000 Plumbing: Sinks with solids interceptor 224000
LOOSE FURNISHINGS: L1 Student work tables L2 Student chairs or stools L3 Teacher desk and chair and teacher		Plumbing connections 224000/221116/221119 Emergency eyewash connections 224000 HVAC: Supply/return air system Div. 23
computer support L4 Reserved		Independent temperature control 230923 Manually controlled general exhaust Div. 23 Electrical:
L5 Desk height file cabinet Wastebasket		Fluorescent lighting 265100 Illumination level: See Table 8600-5 Multilevel switching 262726
EQUIPMENT E1 Drying rack		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
Electronic Safety and Security: Life safety devices per code	283111	Power for potters wheels 262726 Communications: T1 1 projector video port 271543 T2 1 voice port 271513/273123
Miscellaneous: Pencil sharpener (optional) Potter wheels by owner		T3 1 data port near teacher workstation 271513 T4 Wireless access point cable above ceiling
E1 Duplex receptacle with dedicated circuit for wireless devices		Clock 275313 Central sound system 275123 Sound reinforcement system 275127 T5 Overhead projector 274119 T6 Wireless access point (WAP) as determined by Design – refer to Note 3 272133
		T7 Classroom technology center video port 271543, 274116, 274119, 275127

- 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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.

100 SF



200 SF



CAPACITY:

SIZE:

ANCILLARY SPACES:

N/A 100 - 300 SF Art Room

H-VA-1

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Adjacent to art room
- Near art material storage

ENVIRONMENTAL CONSIDERATIONS:

• Ventilation controlled by a thermostat

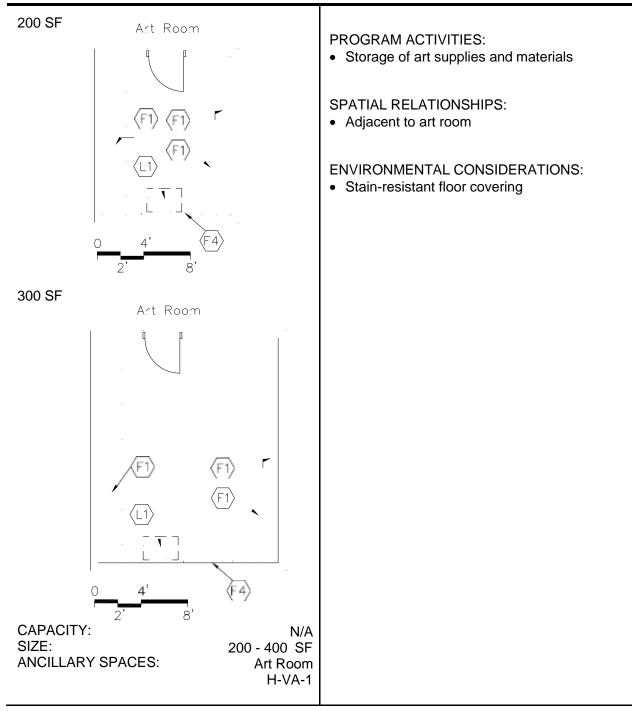
KILN/CERAMIC STORAGE H-VA-2

FINISHES ¹ :	Spec. <u>Ref.#</u>	FEATURES ¹ : Fixed Items:	Spec. Ref.#
Flooring: ET, sheet vinyl, sealed concrete,	033000 096500	F1 6'-12' combination base and wall cabinets F2 Reserved	123550
polished concrete finishing, or colored concrete finishing	033510 033519	F3 Kiln	119200
Base: Resilient base	096500	Fire Suppression: Fire suppression system	211000
Ceiling: Suspended, acoustical	095113	Plumbing: N/A	
Walls: Painted concrete masonry units 04200	0/099100	HVAC: Temperature controlled exhaust Ventilation for kiln	Div. 23 Div. 23
LOOSE FURNISHINGS: L1 3' of tall dry storage units (total) L2 3' of tall damp storage units (total)		Electrical: Single level switching Fluorescent lighting Illumination level: See Table 8	262726 265100
L1 and L2 could be fixed casework.		1 duplex receptacle Electrical connection for kiln	262726 262726
		Communications: 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.

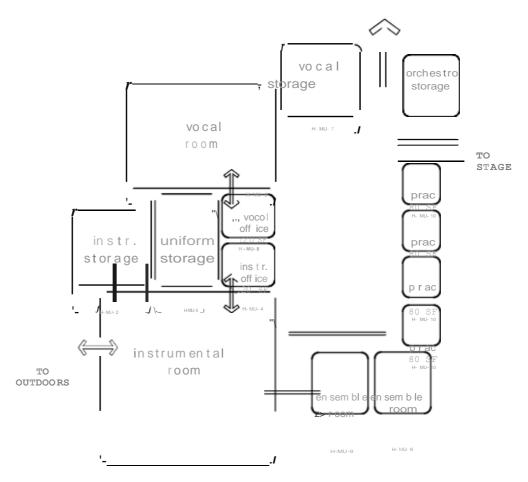
CHAPTER 6: HIGH SCHOOL



ART MATERIAL STORAGE

H-VA-3		CHAPTER 6: HIGH SO	CHOOL
FINISHES¹: Flooring: ET, sealed concrete, rubber,	Spec. Ref.#	FEATURES ¹ : Fixed Items ² : F1 16' – 28' combination tall storage 12:	Spec. Ref.# 3550
sheet vinyl, polished concrete finishing, or colored concrete finishing	033000 033510 033519	cabinets and wall cabinets F2 8' - 14' base cabinets, (depth for school's need)	23550
Base: Resilient base	096500	Fire Suppression: Fire suppression system 21	11000
Ceiling: Suspended, acoustical	095113	Plumbing: N/A	
Walls: Painted concrete masonry units 042000	0/099100	,	0iv. 23 0iv. 23
LOOSE FURNISHINGS: L1 Mobile materials cart		5	
		Communications: N/A	
		Electronic Safety and Security: N/A	
		Miscellaneous: N/A	

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



NOTES:

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

Following are the Music space plates:

H-MU-1 Instrumental Room H-

MU-2 Instrument Storage H-

MU-3 Orchestra Storage

H-MU-4 Instrumental Music Library

H-MU-5 Uniform Storage

H-MU-6 Vocal Room

H-MU-7 Vocal Storage

H-MU-8 Vocal Music Library

H-MU-9 Ensemble Room

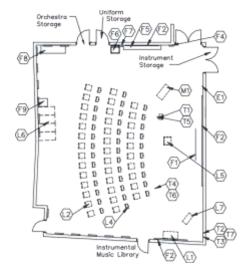
H-MU-10 Practice Room

MUS	IC	SP	AC	ES
<u>H-M</u>	U			

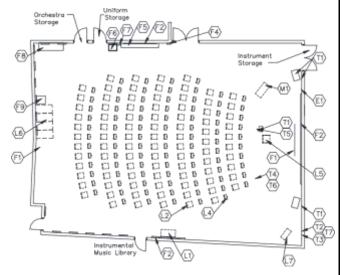
CHAPTER 6: HIGH SCHOOL

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1,800 SF



3,000 SF



CAPACITY: 40 – 90 students SIZE: 1,800 – 3,000 SF ANCILLARY SPACES: Instrument Storage

H-MU-2

Orchestra Storage, H-MU-3 Instrumental Music Library, H-MU-4 Uniform Storage, H-MU-5

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

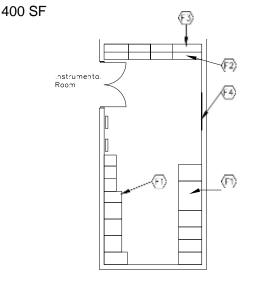
1. Loose furnishings shown represent one of many possible arrangements.

INSTRUMENTAL ROOM H-MU-1

Spec. Spec. Spec. Flact Flooring: Carpet, carpet tile, 100osm. rubber, ET, 096500 Flooring: 100osm. rubber, ET, 096516 096816 096813 Flooring: 121-32 combination marker board, tack board & tackable wall surface 101100 122-32 combination marker board, tack board & tackable wall surface 101100 12350 123550 Flooring: 101100 123550 Flooring: 102813 Floring: 102813 Flooring:	H-MU-1		-	CHAPTER 6: HIGH S	CHOOL
Flooring: Carpet, carpet tile, 096500 linoleum, rubber, ET, 096816 or sheet vinyl 096816 or sheet vinyl 096816 Resilient 096500 Ceiling: Suspended, acoustical 095113 Walls: Paint 099100 Acoustical wall treatment (varies with geometry of room) absorptive 25%, reflective 25%, diffusic stook and caddies L1 Mobile sheet music cabinet L2 Music chairs and caddies L3 Reserved L4 Music stands L5 Conducting podium Wastebasket L7 Teacher workstation Wastebasket Electronic Safety and Security: Life safety devices per code Miscellaneous: Pencil sharpener (optional) 101100 1023550 102813 1323550 102813 1323550 102813 1323550 102813 1323550 102813 1323550 102813 123550 102813 124 Pencil sharpener support (optional) 1524 Pencil sharpener support (optional) 1525 Pencil sharpener support (optional) 1526 Variety of tookases (see note 3) 123550 102813 124 Wardrobe (optional in storage room) 102813 12550 102813 124 Wardrobe (optional in storage room) 102813 1028	FINICLIFO1.	•	EE ^	TUDEC1.	
Carpet, carpet tile, linoleum, rubber, ET, 096510 or sheet vinyl 096816 or sheet vinyl 096810 or sheet vinyl 0		<u> </u>			<u>Rei.#</u>
Innoleum, rubber, ET, o96816 or sheet vinyl o96818 F3 Technology support casework 123550 062000 123550 062000 123550 062000 123550 062000 123550 062000 123550 062000 123550 0620000		000500			115010
					110213
Base: Resilient 096500 Ceiling: Suspended, acoustical 095113 Walls: Paint 099100 Acoustical wall treatment (varies with geometry of room) absorptive 25%, reflective 25%, diffusive 50% IL Mobile sheet music cabinet 2 Music chairs and caddies L5 Conducting podium Wastebasket L6 Mobile percussion instrument storage cabinet Wastebasket Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Miscellaneous: Paint 099100 Acoustical wall treatment (varies with geometry of room) 098000 absorptive 25%, reflective 25%, diffusive 50% II Mobile sheet music cabinet 123050 II Mobile sheet music cabinet 124000 II Mobile percussion instrument storage cabinet 124000 II Il Mobile duplex receptacle adjacent to each data and video port 262726 II Mobile duplex receptacle adjacent to each data and video port 262726 II projector video port 270526/260526 II vicie port and phone 271513/273123 II data port 271513 II data port 2			12	•	101100
Base Resilient O96500 F4 Pencil sharpener support (optional) 123550 1	or sheet vinyl		F3		
Base: Resilient Resi		096813			
Resilient O96500 Resilie					
Resilient 096500 F7 Towel dispenser 102813 F8 Wardrobe (optional in storage room) F9 Stereo cabinet (optional) F1 Stereo					
Ceiling: Suspended, acoustical 095113 Walls: Paint 099100 Acoustical wall treatment (varies with geometry of room) 098000 absorptive 25%, reflective 25%, diffusive 50% It Mobile sheet music cabinet Music chairs and caddies L2 Music stands L5 Conducting podium L5 Conducting podium L6 Mobile percussion instrumentstorage cabinet L7 Teacher workstation Wastebasket Electronic Safety and Security: Life safety devices per code Misscellaneous: Pencil sharpener (optional) Miscellaneous: Pencil sharpener (optional) Misperssion: Fire suppression system 211000 Plumbing: Sink, 10" deep Plumbing: Supply/return air system Div. 23 Independent temperature control 230923 Electrical: Fluorescent lighting: Fluorescent lighting: Fluorescent lighting: Fluorescent lighting: Search deuplex receptacles adjacent to each data and video port 262726 Emergency lighting per code 265100 Means of egress lighting per code 265100 Means of egress lighting per code 265100 Telecommunications Grounding Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano F8 Wardrobe (optional) Osenous) Fire suppression: Fire suppression system 211000 Plumbing: Sink, 10" deep Humbing: Fluorescent lighting: Fluorescent lighting: Fluorescent lighting: Fire suppression system 211000 Plumbing: Sink, 10" deep Music et an accessories 262726 Multilevel switching 262726 Multilevel switching 262726 Electrical: Fluorescent lighting: Fire suppression: Fire	Resilient	096500			
Fire Suppression: Fire			F8		
Walls: Paint	Ceiling:		F9		
Paint	Suspended, acoustical	095113		,	
Paint					
Fire suppression system 211000 Acoustical wall treatment (varies with geometry of room) 098000 absorptive 25%, reflective 25%, diffusive 50% LOOSE FURNISHINGS: L1 Mobile sheet music cabinet L2 Music chairs and caddies L5 Conducting podium L6 Mobile percussion instrumentstorage cabinet L7 Teacher workstation Wastebasket Electronic Safety and Security: Life safety devices per code Miscellaneous: Plumbing: Sink, 10" deep 224000 HVAC: Supply/return air system Div. 23 Independent temperature control 230923 Electrical: Fluorescent lighting: 265100 Illumination level: see table 8600-5 Multilevel switching 262726 6 duplex receptacle adjacent to each data and video port 262726 Emergency lighting per code 265100 Telecommunications: T1 1 projector video port 270526/260526 Communications: T1 1 projector video port 271513/273123 T4 Wireless access point cable above ceiling Miscellaneous: Plumbing: Sink, 10" deep 230923 Electrical: Fluorescent lighting: 265100 Illumination level: see table 8600-5 Multilevel switching 262726 6 duplex receptacle adjacent to each data and video port 262726 Emergency lighting per code 265100 Telecommunications: T1 1 projector video port 270526/260526 Communications: T1 1 projector video port 271513/273123 T4 Wireless access point cable above ceiling Clock 277513 T4 Wireless access point (able above ceiling L7 Ultra-short throw interactive projector district: T5 Ultra-short throw interactive projector determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port	Walls:		Fire	Suppression:	
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(varies with geometry of room) absorptive 25%, reflective 25%, diffusive 50% LOOSE FURNISHINGS: L1 Mobile sheet music cabinet L2 Music chairs and caddies L3 Reserved L4 Music stands L5 Conducting podium L6 Mobile percussion instrumentstorage cabinet L7 Teacher workstation Wastebasket L7 Teacher workstation Wastebasket L8 Electronic Safety and Security: Life safety devices per code Wiscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano Sink, 10" deep HVAC: Supply/return air system Div. 23 Independent temperature control 230923 Electrical: Fluorescent lighting: 6 duplex receptacles 265100 Mutitlevel switching 262726 6 duplex receptacle adjacent to each data and video port 262726 Emergency lighting per code 265100 Telecommunications Grounding 270526/260526 Communications: T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port 271513 T4 Wireless access point cable above ceiling Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port	Acoustical wall treatment		Plun		
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LOOSE FURNISHINGS: L1 Mobile sheet music cabinet L2 Music chairs and caddies L3 Reserved L4 Music stands L5 Conducting podium L6 Mobile percussion instrumentstorage cabinet L7 Teacher workstation Wastebasket L7 Teacher workstation Wastebasket L8 Electronic Safety and Security: Life safety devices per code Safety and Security: Life safety devices per code Sound doors. Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano Supply/return air system Div. 23 Independent temperature control 230923 Electrical: Fluorescent lighting: Supply/return air system Div. 23 Independent temperature control 265100 Illumination level: see table 8600-5 Multilevel switching 6 duplex receptacles 6 duplex receptacles 9 Double duplex receptacle adjacent to each data and video port 9 Emergency lighting per code 9 Communications: T1 1 projector video port Telecommunications: T1 1 projector video port T1 1 projector video port T271513/273123 T3 1 data port T4 Wireless access point cable above ceiling Wireless access point cable above ceiling Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacles 10 duplex receptacle adjacent to 10 each data and video port 10 duplex receptacle adjacent 10 duplex receptacle adjacent 10 duplex rec			HVA	<u>.C</u> :	
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L4 Music stands L5 Conducting podium L6 Mobile percussion instrumentstorage cabinet L7 Teacher workstation Wastebasket Electronic Safety and Security: Life safety devices per code Service S					
L5 Conducting podium L6 Mobile percussion instrumentstorage cabinet L7 Teacher workstation Wastebasket Electronic Safety and Security: Life safety devices per code Sound doors. Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound district: M1 Piano Electronic Suffer wireless devices T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle adjacent to each data and video port 265100 Emergency lighting per code 265100 Means of egress lighting per code 265100 Telecommunications: T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port 271513 Clock 275313					
L6 Mobile percussion instrumentstorage cabinet L7 Teacher workstation Wastebasket Electronic Safety and Security: Life safety devices per code Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano Emergency lighting per code 265100 Telecommunications Grounding Communications: T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port 271513 T4 Wireless access point cable above ceiling Clock 275313 Central sound system 275123 High school music sound system 275126 Ultra-short throw interactive projector Ultra-short throw interactive projector T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port					
cabinet L7 Teacher workstation Wastebasket Electronic Safety and Security: Life safety devices per code Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano Cabinet Means of egress lighting per code 265100 Telecommunications: To projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port 271513 T4 Wireless access point cable above ceiling Clock 275313 Clock 275313 Central sound system 275123 High school music sound system 275126 Ultra-short throw interactive projector Ultra-short throw interactive projector T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port		rane			
Telecommunications Grounding Wastebasket Electronic Safety and Security: Life safety devices per code Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano Telecommunications Grounding Communications: T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port 271513 T4 Wireless access point cable above ceiling Clock 275313 Central sound system 275123 High school music sound system 275126 T5 Ultra-short throw interactive projector Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T6 Classroom technology center video port	•	iage			
Wastebasket Electronic Safety and Security: Life safety devices per code Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano Wastebasket Communications: T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port 271513 Clock 275313 Central sound system 275123 High school music sound system 275126 Ultra-short throw interactive projector T5 Ultra-short throw interactive projector Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port					265100
Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano Communications: T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port 271513 T4 Wireless access point cable above ceiling Clock 275313 Central sound system 275123 High school music sound system 275126 T5 Ultra-short throw interactive projector Cistrict: M1 Piano T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port					e/aeneae
Electronic Safety and Security: Life safety devices per code Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano T1 1 projector video port 271513/273123 1 data port 271513 Clock 275313 Central sound system 275123 High school music sound system 275126 Ultra-short throw interactive projector Ultra-short throw interactive projector T6 Wireless access point (WAP) as determined by Design – refer to Note 4 T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port 271513 Clock 275313 Central sound system 275123 Ultra-short throw interactive projector T5 Wireless access point (WAP) as determined by Design – refer to Note 4 T1 1 projector video port 271543 T4 Wireless access point cable above ceiling T6 Wireless access point wireless devices T7 Classroom technology center video port	Wasiebaskei		Com		0/200320
Electronic Safety and Security: Life safety devices per code Z83111 Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano T2 1 voice port and phone 271513/273123 1 data port 271513 Clock 275313 Central sound system 275123 High school music sound system 275126 Ultra-short throw interactive projector T5 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T6 Classroom technology center video port					2715/12
Life safety devices per code 283111 T3 1 data port 271513 Wireless access point cable above ceiling 271513 Clock 275313 Central sound system 275123 High school music sound system 275126 Ultra-short throw interactive projector district: M1 Piano T6 Wireless access point (WAP) as determined by Design – refer to Note 4 T6 Classroom technology center video port	Floatronic Safety and Security:				
Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano T4 Wireless access point cable above ceiling Clock Central sound system 275123 High school music sound system Ultra-short throw interactive projector 274119 T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port		202111			
Miscellaneous: Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port	Life safety devices per code	203111			
Pencil sharpener (optional) Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano To Ultra-short throw interactive projector Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices To Classroom technology center video port	Miscellaneous:			The local decess point dable above of	
Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano To Doors are to have acoustic trim accessories or sound doors. The following items are to be funded by the school district: M1 Piano To Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices To Classroom technology center video port				Clock	
sound doors. The following items are to be funded by the school district: M1 Piano T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port		sories or			
The following items are to be funded by the school district: M1 Piano T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port		301103 01			
district: M1 Piano T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port		v the school	T5	Ultra-short throw interactive projector	
M1 Piano T6 Wireless access point (WAP) as determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port		,		, ,	
determined by Design – refer to Note 4 E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port			T6	Wireless access point (WAP) as	
E1 Duplex receptacle with dedicated circuit for wireless devices T7 Classroom technology center video port				• • •	4
circuit for wireless devices T7 Classroom technology center video port	F1 Duplex receptacle with dedicated			, 19	
	·		T7	Classroom technology center video p	
	Official tot wifeless devices		1		

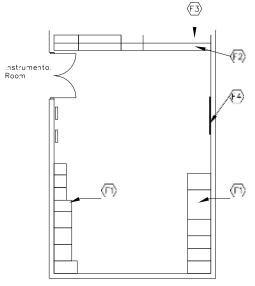
- 1. Finishes/Features: Refer to Chapter 9 for specification references.
- 2. Sink could be in storage room.
- 3. For small population schools, provide additional bookcases or cabinets in lieu of H-MU-3 music library.
- 4. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133

requirements.



700 SF





CAPACITY: SIZE: **ANCILLARY SPACES:**

400 - 800 SF Instrumental Room

H-MU-1

N/A

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

INSTRUMENT STORAGE H-MU-2

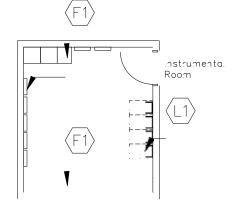
FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	FEATURES: Ref.# Fixed Items ² :
Linoleum, rubber, ET, or sheet vinyl	096500 096516	F1 Miscellaneous instrument storage Cabinets and racks 123550
Base: Resilient base	096500	F2 3'-5' of base cabinets (optional) 123550 F3 3'-5' of wall cabinets (optional) 123550 F4 4' of tackboard (optional) 101100
Ceiling: Suspended, acoustical	095113	Fire Suppression: Fire suppression system 211000
Walls: Painted concrete masonry uni 04	ts 2000/099100	Plumbing: Plumbing connections 224000/221116/221119
LOOSE FURNISHINGS: Wastebasket		HVAC: Exhaust air system Div. 23 Supplemental heat as required Div. 23
		Electrical: Fluorescent lighting: 265100 Illumination level: See Table 8600-5 Single level switching 262726 1 duplex receptacle 262726
		Communications: N/A
		Electronic Safety and Security: N/A
		Miscellaneous: N/A

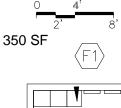
NOTES:

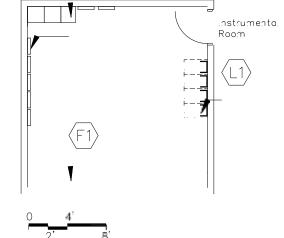
- 1.
- Finishes/Features: Refer to Chapter 9 for specification references. Ranges shown indicate quantities for the smallest and largest possible room size. 2.

CHAPTER 6: HIGH SCHOOL

200 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:

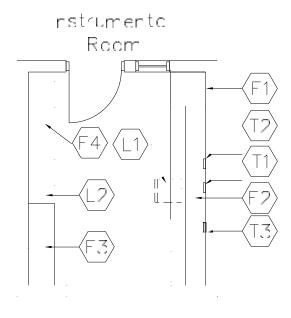
Wide doors

ORCHESTRA STORAGE H-MU-3

H-MU-3		CHAPTER 6: HIGH	SCHOOL
FINISHES ¹ : Flooring: Linoleum, rubber, ET, or sheet vinyl	Spec. Ref.# 096500 096516	FEATURES: Fixed Items: F1 Miscellaneous instrument storage Cabinets and racks	Spec. Ref.#
Base: Resilient base	096500	Fire Suppression: Fire suppression system	211000
Ceiling: Suspended, acoustical	095113	Plumbing: N/A	
Walls: Painted concrete masonry units 04200	0/099100	HVAC: Exhaust air system Supplemental heat as required	Div. 23 Div. 23
LOOSE FURNISHINGS: L1 Carts for large instruments		Electrical: Fluorescent lighting: Illumination level: See Table 8 Single level switching 1 duplex receptacle Communications:	265100 600- 5 262726 262726
		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:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 1 - 3 persons SIZE: 120 SF

ANCILLARY SPACES: Instrumental Room

H-MU-1

NOTES:

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

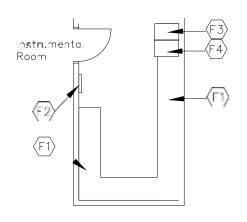
INSTRUMENTAL MUSIC LIBRARY

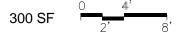
	CHAPTER 6: HIGH	SCHOOL
Spec. <u>Ref.#</u>	FEATURES ¹ : Fixed Itams:	Spec. <u>Ref.#</u>
096816 096813 096516 096500	F1 Tall wardrobe F2 Work surface with file drawers 12: 2'-4' tall storage cabinet (optional) 12:	123550 3550 F3 3550 F4 123550
096500	mobile music storage shelving F5 4' of tack board (optional)	105626 101100
095113	Fire Suppression: Fire suppression system	211000
099100	Plumbing: N/A	
000100	HVAC: Supply/return air system Independent temperature control (coupled with similarly loaded adjacent spaces)	Div. 23 230923
	Fluorescent lighting	262726 265100 00-5 262726
	1 data port near workstation	3123 T2 271513 271543 275123 283111
	Ref.# 096816 096813 096516 096500 096500	Perfect Features: 996816 996813 996516 996500 F2 Work surface with file drawers 996500 P5 4' of tack board (optional) Fire Suppression: Fire suppression system Plumbing: N/A Plumbing:

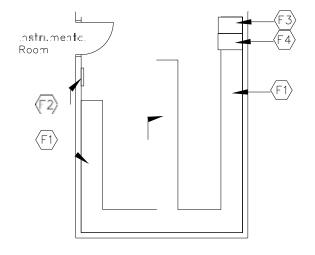
NOTES:

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

150 SF







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

H-MU-1

PROGRAM ACTIVITIES:

• Storage of instrumental uniforms

SPATIAL RELATIONSHIPS:

· Adjacent to instrumental room

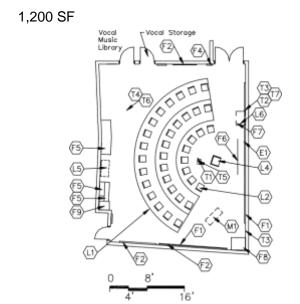
ENVIRONMENTAL CONSIDERATIONS: N/A

UNIFORM STORAGE H-MU-5

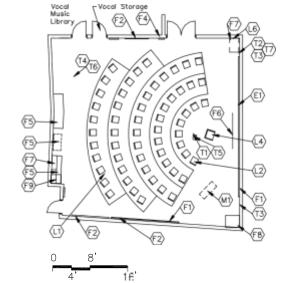
CHAP	TER	6: HI	GH S	SCH	IOOL
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FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	Spec. FEATURES: Ref.# Fixed Items ² :
Linoleum, rubber, ET, or sheet vinyl	096500 096516	F1 20'-44' of uniform and hat storage cabinets 123550 F2 20" x 60" mirror (optional) 102813
Base: Resilient base	096500	F3 Tall cabinets (optional) 123550 F4 Bins for auxiliary core equipment (optional) 123550 (optional)
Ceiling: Suspended, acoustical	095113	Fire Suppression: Fire suppression system 211000
Walls: Painted concrete masonry units 04200	0/099100	Plumbing: N/A
LOOSE FURNISHINGS: N/A		HVAC: Exhaust air system Div. 23 Supplemental heat as required Div. 23
		Electrical: Fluorescent lighting: 265100 Illumination level: see table 8600-5 Single level switching 262726 1 Duplex receptacle 262726
		Communications: N/A
		Electronic Safety and Security: N/A
		Miscellaneous: N/A

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



1,500 SF



CAPACITY: 35 - 60 students SIZE: 1200 - 1500 SF

ANCILLARY SPACES:

Vocal Music Library, H-MU-8 Vocal Storage, H-MU-7

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

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

VOCAL ROOM H-MU-6

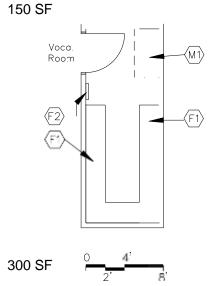
11-1410-0		CHAPTER 6. HIGH SCHOOL
FINISHES ¹ :	Spec. Ref.#	
Flooring:	<u></u>	F1 5'-6' high mirror mounted 12" above
ŭ		a de g
Carpet, carpet tile	096816	floor 088300
Optional: ET, sheet vinyl	096500	F2 16'-32' combination marker board,
linoleum, or rubber	096516	tack board, tackable wall surface 101100
molean, or rabber	096813	F3 Reserved
		F4 Pencil sharpener support (optional) 062000
Base:		F5 11'-18' combination base, wall and 123550 tall cabinets
Resilient	096500	F6 Projection screen (optional) 115213
resilient	00000	F7 Technology support casework 123550
Ceiling:		F8 Stereo cabinet (optional) 123550
Šuspended acoustical	095113	Tall wardrobe (optional) 123550
Absorptive 25%, reflective 25%,		
diffusive 50%		Fire Suppression:
amadive co/o		Fire suppression system 211000
Walls:		Plumbing:
Paint	099100	N/A HVAC:
Acoustical wall treatment	000100	Supply/return air system Div. 23
Acoustical wall treatment		
(varios with goomatry of room)	098000	Electrical independent temperature 230923
(varies with geometry of room) LOOSE FURNISHINGS:	090000	<u>Electrical</u> :
· · · · · · · · · · · · · · · · · · ·		Fluorescent lighting: 265100
L1 Portable risers L2 Music chairs and caddies		Multilevel switching 262726
L3 Reserved		
		6 duplex receptacles: See Table 8600-52726 Double duplex receptacle adjacent to
L4 Conducting podiumL5 Mobile sheet music cabinet		each data and video port 262726
		Emergency lighting per code 265100
L6 Teacher computer workstation Wastebasket		Means of egress lighting per code 265100
wasiebaskei		Telecommunications Grounding
		270526/260526
Electronic Safety and Security:		Communications:
Life safety devices per code	283111	T1 2 projector video ports 271543 T2 1 voice port and phone 271513/273123
Life salety devices per code	200111	T2 1 voice port and phone 271513/273123 T3 1 data port 271513
Miscellaneous:		T4 Wireless access point cable above ceiling
Pencil sharpener (optional)		271513
Gasketing on doors or sound doors		Clock 275313
The following item is to be funded by the	owner:	High school sound system 275126
M1 Piano & electronic keyboard(s)		Central sound system 275123
	_	T5 Ultra-short throw interactive projector
E1 Duplex receptacle with dedicated	t	274119
circuit for wireless devices		T6 Wireless access point (WAP) as
		determined by Design – refer to Note 3
		272122
		272133
		T7 Classroom technology center video port 271543, 274116, 274119, 27512
		21 10-0, 21-110, 21-110, 21012

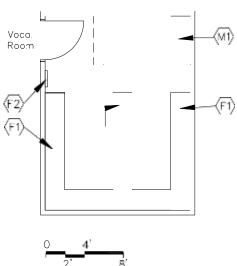
NOTES:

- 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: SIZE: ANCILLARY SPACES: N/A 150-400 SF Vocal Room H-MU-6

PROGRAM ACTIVITIES:

Secure storage of choir costumes, tuxedos, and risers

SPATIAL RELATIONSHIPS:

Adjacent to vocal room

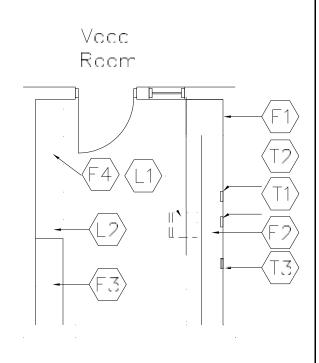
ENVIRONMENTAL CONSIDERATIONS: N/A

VOCAL STORAGE H-MU-7

CHAPTER 6: HIGH SCHOOL

Spec. Spec. FINISHES1: Ref.# **FEATURES**: Ref.# Flooring: Fixed Items2: Linoleum, rubber, ET, or sheet 096500 20'-40' of high robe storage cabinets 123550 096516 20" x 60" mirror (optional) vinyl Base: Fire Suppression: Resilient base 096500 Fire suppression system 211000 Ceiling: Plumbing: Suspended, acoustical 095113 N/A Walls: HVAC: Painted concrete masonry units To be determined by Design Professional Supplemental heating as required 042000/099100 Div. 23 LOOSE FURNISHINGS: Electrical: N/A Fluorescent lighting: 265100 Illumination level: See Table 8600-5 Single level switching 262726 1 duplex receptacle 262726 Communications: N/A Electronic Safety and Security: N/A Miscellaneous: M1 Space for storage of portable risers

- 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:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: SIZE:

1 - 3 persons 120 SF

ANCILLARY SPACES:

NOTES:

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

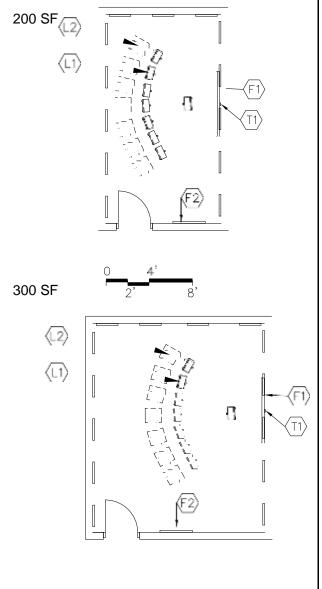
VOCAL MUSIC LIBRARY H-MU-8

CHAP	TER	6: 1	HIGH	SCF	IOOI

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



PROGRAM ACTIVITIES:

Small group practice

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

SIZE:

CAPACITY:

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

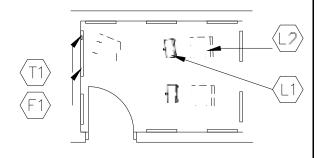
5 - 7 students 200 - 400 SF

ENSEMBLE ROOM H-MU-9

H-MU-9	CHAPTER 6: HIGH SCHOOL
Spec. FINISHES ¹ : Ref.# Flooring:	Spec. FEATURES: Ref.# Fixed Items:
Carpet, carpet tile 096816 Option: Linoleum, rubber, ET, 096813 or sheet vinyl 096516	F1 4'-6' of marker board (optional) 101100 F2 4' of tack board (optional) 101100
Base: Resilient base 096500	Fire Suppression: Fire suppression system 211000
Ceiling: Suspended, acoustical 095113 absorptive 25%, reflective 25%, diffusive 50% Walls: Painted concrete masonry units	Plumbing: N/A HVAC: Supply/return air system Independent temperature control (coupled with similarly loaded adjacent spaces) Div. 23 230923
O42000/099100 Acoustical wall treatment (varies with geometry of room) 098000 LOOSE FURNISHINGS: L1 Music stands L2 Music chairs	Electrical: Fluorescent lighting: 265100 Illumination level: See Table 8600-5 Single level switching 262726 3 duplex receptacles 262726
L2 Wusic Chairs	Communications:Clock275313Central sound system275123T11 data port271513
	Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide 4' door Gasketing on doors or sound doors

NOTES:

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





PROGRAM ACTIVITIES:

- Individual and small group practice
- Private lessons

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 1 - 2 students SIZE: 80 SF

NOTES:

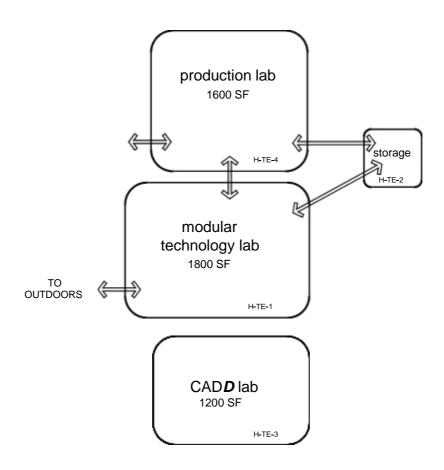
1. Loose furnishings shown represent one of many possible arrangements.

PRACTICE ROOM H-MU-10

CHAPTER 6: HIGH SCHOOL Spec. Spec. Ref.# **FEATURES** Ref.# FINISHES¹: Flooring: Fixed Items: 3' wide x 5' high mirror mounted Carpet, carpet tile 096816 Option: Linoleum, rubber, ET 096813 12" above finish floor (optional) 088300 or sheet vinyl 096516 096500 Fire Suppression: 211000 Base: Fire suppression system Resilient base 096500 Plumbing: Ceiling: N/A Suspended, acoustical 095113 Absorptive 25%, reflective 25%, HVAC: diffusive 50% Supply/return air system Div. 23 Independent temperature control 230923 (coupled with similarly loaded Walls: adjacent spaces) Painted concrete masonry units 042000/099100 Acoustical wall treatment Electrical: (varies with geometry of room) 098000 Fluorescent lighting: 265100 Illumination level: See Table 8600-5 Single level switching LOOSE FURNISHINGS: 262726 2 duplex receptacles Music stands 262726 L1 Music chairs L2 Communications: Central sound system 275123 1 data port 271513 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: 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:

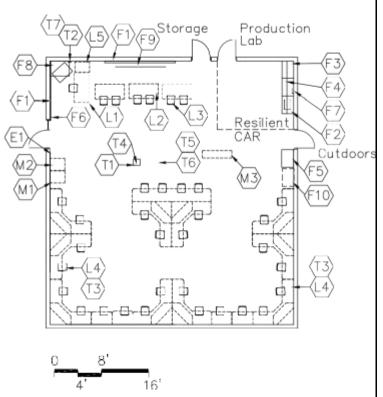
H-TE-1 Modular Technology Lab

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

TECHNOLOGY	EDUCATION	SPACES
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H-TE CHAPTER 6: HIGH SCHOOL

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PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

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

NOTES:

1. Loose furnishings represent one of many possible arrangements.

MODULAR TECHNOLOGY LAB H-TE-1

H-TE-1		CHAPTER 6: HIGH	SCHOOL
<u>FINISHES</u> 1:	Spec. <u>Ref.#</u>	FEATURES ¹ : Fixed Items:	Spec. <u>Ref.#</u>
Flooring:	000500	F1 12'-26' combination marker board	404400
Linoleum, rubber, ET, or sheet	096500	tack board, tackable wall surface	101100
vinyl 4' width in front of cabinets	096516	F2 3' sink base cabinet F3 About 9' of wall cabinets	123550 123550
Carpet, carpet tile	096816 096813	F4 About 6' of base cabinet with heavy do	
Base:		counter top	123550
Resilient base	096500	F5 Tall cabinet (optional)	123550
recomone bacc	000000	F6 Pencil sharpener support (optional)	062000
Ceiling:		F7 Towel dispenser F8 Tall wardrobe	102813
Suspended, acoustical	095113		123550 115213
Suspended, acoustical	093113	F9 Projection screen (optional)	
Walls:		F10 Technology support casework Fire Suppression:	123550
		Fire suppression. Fire suppression system	211000
Painted concrete masonry units	0/000400	Plumbing:	211000
04200	0/099100	Sink, 12" deep	224000
		Plumbing connections 224000/221116	
LOOSE FURNISHINGS:		HVAC:	<i>5,</i> 22 1 1 1 5
L1 Teacher desk/computer support and	d chair	Supply/return air system	Div. 23
L2 Tables with heavy duty top		Independent temperature controls	230923
L3 Student stools/chairs		Electrical:	
L4 Computer technology workstation		Fluorescent lighting with	
L5 File cabinet		computer aided lenses	265100
Wastebasket		Illumination level: See Table 8600	
		Multilevel switching	262726
		4 duplex receptacles	262726
		Double duplex receptacle adjacent to	202200
Electronic Safety and Security:		data and video port	262726
Life safety devices per code	283111	Emergency lighting per code Means of egress lighting per code	265100
·		Receptacle for printer	262726
Miscellaneous:		Communications:	202120
Pencil sharpener (optional)		T1 1 projector video port	271543
The following items are to be funded by the	ne school		3/273123
district:		T3 Classroom area network	
M1 Classroom Area Network file server		(25 data ports minimum)	271513
M2 Printer		Clock	275313
M3 Plotter		Central sound system	275123
		Sound reinforcement system	275127
E1 Duplex receptacle with dedicated		T4 Ultra-short throw interactive projector	
circuit for wireless devices			274119
		T5 Wireless access point cable above ceil	-
			271513
		T6 Wireless access point (WAP) as determed	mined
		by Design – refer to Note 3	272133
		T7 Classroom technology center video po	
		271543, 274116, 274119	9, 275127

- 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 Baseline includes WAP cable per classroom WAP device quantity / placement per 272133

requirements.

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:

CLEAN LAB FOR

PROJECT STORAGE

Ф

COMPUTERS

OFFICE &

 Environmental sound controlwall only minimum STC 45 ceiling minimum CAC 35

LE. - TASK CHAIR

TEACHER WARRENAME FILE CABINET

L.F. - METAL SHELVING

VOICE PORT AND PHONE

CAPACITY: 18 students SIZE: 1,800 SF

ANCILLARY SPACES: H-TE-2

Storage 12" x 12" OVERHEAD DOOR FOR PRODUCE DELIVERY AND BRINGING IN FARMING EQUIPMENT FOR REPAIR OUTDOOR GROWING LAR PRODUCE DELIVERIES PHOVIDE FENCED CONCRETE AREA OF APPROXIMATLY 2000 S.F. FOR STOPACE воов то оштроов Ба POWER MACHINES POWER MACHINES SUCH AS GRINDER/BUFFER, DRILL PRESS, BENDER, ETC. MACHINES MAY NEED METAL COLLECTION SYSTEM LEYEWASH STATION STORAGE-150 sq. WELDING STATIONS
WITH VENTING HOOD
ABOVE-SIZE HOOD DEPENDS
ON TYPE OF WELDING
STATIONS LF.- MOBILE TOOL CART-36" H L.F. - METAL SHELVING PRINTERS IN METAL BENCH LF. - MOBILE TABLES (** COMPUTER STATIONS FOR STOCK MARKET WORKSURFACE FOR CURTAIN AROUND WELDING STATIONS COMPUTERS WITH WALL CABINETS ABOVE FOR AG. STUDY REPORTS AND STUDENT BOOKBAGS AND AG. REPORTS OPEN HANDS ON LAB SPACE Ф Ф

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

CORRIDOR

HYDROPONICS/ AQUACULTURE

NOTES: continue to change and develop as the ag. industry changes.

(F1)

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

LF - MOBLE TOOL CABINE

(F2)

WORK TABLES W/ LOCKERS & STOOLS

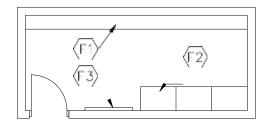
AG-ED LAB H-TE-1a

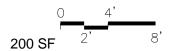
CHAPTER 6: HIGH :	SCHOOL	
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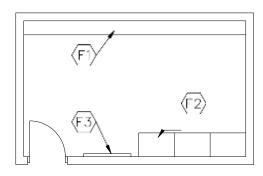
FINISHES ¹ :	Spec. <u>Ref.#</u>	FEATURES ¹ : Fixed Items:	Spec. <u>Ref.#</u>
Flooring: Sealed concrete,	033000	16'-20' combination marker board,	101100
linoleum, rubber, ET, polished concrete finishing, or colored concrete finishing Sheet vinyl in office/storage	096500 033510 033519 096516	tack board, and tackable wall surface rench sharpener support (optional) 14' Wall and base cabinets Workbenches with locker bases 40' Work surface with heavy duty	123550
Base:		countertop 36" high, with knee space 2 towel dispensers	123550
Resilient base	096500	F1 Tall storage cabinet F2 Technology support casework	123550 123550
Ceiling:		Fire Suppression:	211000
Painted exposed structure	099100	Plunthies uppression system Wash fountain	224000
Walls: Painted concrete masonry units		Plumbing connections 224000/221116 Tub sink or floor mop sink	6/221119 224000
	000/099100	Emergency eyewash station connectio Sanitary drainage products HVAC:	n224000 221316
LOOSE FURNISHINGS: Tables with heavy duty tops Waste receptacle The significant		Supply/return air system Independent temperature controls Localத்துந்து station	Div. 23 230923 233515
Teacher wardrobe File cabinet		Electrical: High intensity discharge lighting Illumination level: See Table 8600	265100
Mobile tool cabinet		16 duplex receptacles (42" height) Double duplex receptacle adjacent to data and video port	262726 262726
Electronic Safety and Security: Life safety devices per code	283111	Emergency lighting per code Means of egress lighting per code Electrical power for shop equipment Communications: 1 projector video port and video disp	265100 265100 262726
Miscellaneous: Plan for shop equipment as neces	sary		3/273123
Overhead door Pencil sharpener (optional)		Clock Central sound system	271513 275313 275123
Duplex receptacle with dedicate circuit for wireless devices	ted	Sound reinforcement system Wireless access point (WA	
		determined by Design – refer to N	ote 2 272133
		Classroom technology center vide 271543, 274116, 274119,	eo port

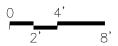
- 1. Finishes/Features: Refer to Chapter 9 for specification references.
- 2. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.

150 SF









CAPACITY: N/A SIZE: 150 – **250 SF**

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

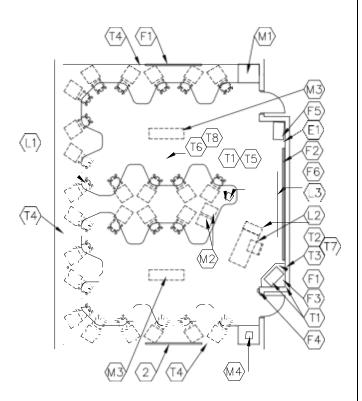
ENVIRONMENTAL CONSIDERATIONS: N/A

STORAGE

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

NOTES:

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



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

SPATIAL RELATIONSHIPS:

• Near modular technology lab

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 25 students SIZE: 1,200 SF

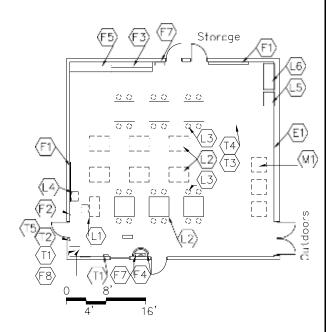
NOTES:

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

CADD LAB H-TE-3

CHAPTER 6: HIGH SCHOOL Spec. Spec. Ref.# FINISHES¹: FEATURES¹: Ref.# Flooring: Fixed Items: Tall wardrobe with file drawers Carpet, carpet tile, ET, linoleum, 096816 123550 or sheet vinyl 096500 F2 16-32' combination marker board, 101100 096516 tack board, tackable wall surface F3 Technology support casework 096813 123550 Base: F4 Pencil sharpener support (optional) 062000 4'-8' base and wall cabinets F5 Resilient base 096500 123550 for printers and storage of paper, Ceiling: cartridges, etc. Suspended, acoustical 095113 Projection screen (optional) 115213 Fire Suppression: Walls: Fire suppression system 211000 Painted concrete masonry units Plumbing: N/A 042000/099100 HVAC: Supply/return air system Div. 23 LOOSE FURNISHINGS: Independent temperature control 230923 Computer workstation furniture L1 Electrical: Teacher desk and chair Fluorescent lighting with L2 computer aided lenses 265100 File cabinet Wastebasket Illumination level: See Table 8600-5 Multilevel switching 262726 L1 could be fixed casework. 6 duplex receptacles 262726 Double duplex receptacles adjacent to each data and video port 262726 Emergency lighting per code 265100 Electronic Safety and Security: Life safety devices per code Means of egress lighting per code 283111 265100 Receptacle for printer/plotter Miscellaneous: 262726 Interior windows to production lab (optional) Communications: Pencil sharpener (optional) 2 projector video ports T1 271543 1 voice port and phone T2 271513/273123 E1 Duplex receptacle with dedicated T3 1 data port near teacher workstation271513 circuit for wireless devices T4 Classroom area network (25 data ports minimum) 271513 The following items are to be funded by the Clock 275313 school district: Central sound system 275123 Classroom area network file server T5 Ultra-short throw interactive projector M1 M2 Printers 274119 M3 Plotters T6 Wireless (WAP) access point M4 Scanner determined by Design – refer to Note 3 272133 T7 Classroom technology center video port 271543, 274116, 274119, 275127 T8 Wireless access point cable above ceiling 271513

- 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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

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

Modular Technology Lab, H-TE-1

- 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.

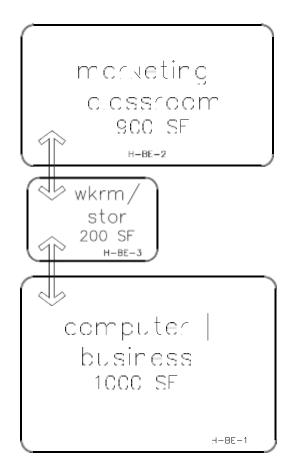
PRODUCTION LAB H-TE-4

CHAPTER 6: HIGH SCHOOL

FINISHES1:	Spec. <u>Ref.#</u>	Spec. FEATURES¹: Ref.# Fixed Items:
Flooring: Sealed concrete,	033000	F1 14'-24' combination marker board, tack
polished concrete finishing, or	033510	board, tackable wall surface 101100
colored concrete finishing	033519	F2 Pencil sharpener support (optional) 062000 F3 12'of wall and 12'of base cabinets 123550 F4
_		Wash fountains
Base: Resilient base	006500	F5 6'-12' of work surface with heavy duty
Resilient base	096500	countertop 36" high, with knee space123550
Ceiling:		F6 Reserved F7 2 towel dispensers 102813
Painted exposed structure	099100	F7 2 towel dispensers 102813 F8 Technology support casework 123550 Fire
·		Suppression:
Walls:		Fire suppression system 211000
Painted concrete masonry units	00/000400	Plumbing:
0420	00/099100	Wash fountain 224000 Plumbing connections
LOOSE FURNISHINGS:		224000/221116/221119
L1 Teacher desk/computer support ar	nd chair	HVAC:
L2 Tables with heavy duty tops & lock		Supply/return air system Div. 23
L3 Stools		Independent temperature controls 230923
L4 File cabinet		Localized dust collection as
L5 Mobile tool cabinet		necessary Div. 23
L6 Material storage racks		Electrical:
Waste receptacle		High intensity discharge lighting 265100 Illumination level: See Table 8600-5
		8 duplex receptacles 262726
Electronic Safety and Security:		Double duplex receptacle adjacent to
Life safety devices per code	283111	data and video port 262726 Emergency lighting per code 265100
zwo salety do noce per sode	200111	Means of egress lighting per code 265100
Miscellaneous:		Electrical power for shop equipment262726
Pencil sharpener (optional)	_1	Communications:
M1 Shop equipment with localized dust collection as necessary.	SI	T1 1 <i>projector</i> video port and video display Device 271543/274119
concension as necessary.		Device 271543/274119 T2 1 voice port and phone 271513/273123
E1 Duplex receptacle with dedica	ted	T3 Wireless access point cable above ceiling
circuit for wireless devices		271513
		Clock 275313
		Central sound system 275123 Sound reinforcement system 275127
		T4 Wireless access point (WAP) as
		determined by Design – refer to Note 3
		272133
		T5 Classroom technology center video port
NOTES:		271543, 274116, 274119, 275127

- 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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133

requirements.



NOTE:

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

Following are the Business Education space plates:

H-BE-1 Computer and Business Classroom

H-BE-2 Marketing Classroom

H-BE-3 Workroom/Storage

BUSINESS	EDUCATION	SPACES
		U. / .U _ U

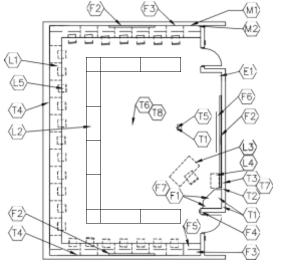
H-BE

CHAPTER 6: HIGH SCHOOL

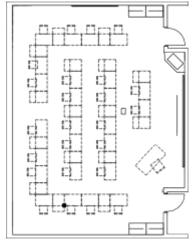
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COMPUTER AND BUSINESS CLASSROOM H-BE-1

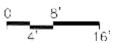
CHAPTER 6: HIGH SCHOOL



PERIMETER WORKSTATIONS LAYOUT



FREE STANDING WORKSTATIONS LAYOUT



CAPACITY: SIZE:

25 students 1000 SF

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

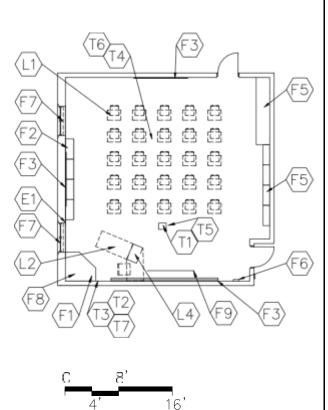
NOTES:

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

COMPUTER AND BUSINESS CLASSROOM H-BE-1

H-BE-1		CHAPTER 6: HIGH SCHOOL
FINISHES¹: Flooring: Carpet, carpet tile, Optional: ET, sheet vinyl, linoleum, or rubber Base: Resilient base Ceiling:	Spec. Ref.# 096816 096500 096813 096516	FEATURES¹: Ref.# Fixed Items: F1 Tall wardrobe with file drawers 123550 F2 16'-32' combination marker board, 101100 tack board, tackable wall surface F3 Wall cabinets for student book storage and program manuals 123550 F4 Pencil sharpener support (optional) 062000 F5 Base cabinets 123550 F6 Projectionscreen (optional) 115213 F7 Technology support casework 123550
Suspended, acoustical Walls: Painted concrete masonry units 042000	095113 /099100	Fire Suppression: Fire suppression system 211000 Plumbing: N/A
LOOSE FURNISHINGS: L1 Computer workstation furniture L2 Work tables L3 Teacher desk/computer support an L4 File cabinet L5 Appropriate ergonomic chairs Wastebasket L1 could be fixed casework.		HVAC: Supply/return air system Div. 23 Independent temperature control 230923 Electrical: Fluorescent lighting with computer aided lenses 265100 Illumination level: See Table 8600-5 Multilevel switching 262726 4 duplex receptacles 262726 Double duplex receptacle adjacent to each data and video port 262726
Electronic Safety and Security: Life safety devices per code Miscellaneous: Pencil sharpener (optional) The following items are to be funded by school district: M1 Classroom Area Network file (optional) M2 Printer E1 Duplex receptacle with dedicated circuit for wireless devices	283111 the server	each data and video port 262726 Emergency lighting per code 265100 Means of egress lighting per code 265100 Communications: T1 2 projector video ports 271543 T2 1 voice port and phone 271513/273123 T3 1 data port near teacher workstation271513 T4 Classroom area network (25 data ports minimum) 271513 Clock 275313 Central sound system 275123 Sound reinforcement system 275127 T5 Ultra-short throw interactive projector 274119 T6 Wireless access point (WAP) as determined by Design – refer to Note 2 272133 T7 Classroom technology center video port 271543, 274116, 274119, 275127
		T8 Wireless access point cable above ceiling 271513

- 1. Finishes/Features: Refer to Chapter 9 for specification references.
- 2. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 25 students SIZE: 900 SF

NOTES:

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

MARKETING CLASSROOM H-BE-2

11-01	- <i>-</i>			CHAPTER 0. HIG	I I GOLIOOL
		Spec.		1	Spec.
<u>FINI</u> Floo	SHES ¹ : ring: Carpet, carpet tile Optional: ET, sheet vinyl, linoleum, or rubber	Ref.# 096816 096500 096516 096813	FEATURES: Fixed Items: F1 Tall wardrobe with file drawers F2 6'-10' of bookcases F3 18'-32' combination marker board, tack board, tackable wall surface F4 Reserved	Ref.# 123550 123550 101100	
Base Ceili	Resilient base	096500 095113	F5 F6 F7 F8 F9	12'-20' combination base and wall cabinets Pencil sharpener support (optional Windows with integral blinds Technology support casework Projection screen (optional)	123550) 062000 085113 123550 115213
Wall	S:		Eiro	Cuppropoint	
	Paint	099100	<u>riie</u>	Suppression: Fire suppression system	211000
<u>LOC</u> L1 L2	SE FURNISHINGS: Student desks and chairs Teacher desk/computer supportan	d	Plum HVA	nbing: N/A C: Supply/return air system	Div. 23
L3 L4	chair Reserved Desk height file cabinet		Elec	Independent temperature control trical:	230923
	Wastebasket			Fluorescent lighting: Illumination level: See Table 8	
				Multilevel switching 4 duplex receptacles	262726 262726
Elec	tronic Safety and Security: Life safety devices per code	283111		Double duplex receptacle adjacen each data and video port	
	<u>ellaneous</u> : cil sharpener (optional)		Com T1 T2	<u>imunications:</u> 1 projector video port	271543 513/273123
E1	Duplex receptacle with dedicated circuit for wireless devices			data port near teacher workstation less access point cable above Ceiling	271513 T4 271513
				Clock Central sound system Sound reinforcement system	275313 275123 275127
			T5 L	Ultra-short throw interactive projector	
					274119
			Т6	Wireless access point (WAP) as	nto 3
				determined by Design – refer to No	272133
			T7	Classroom technology center vide	

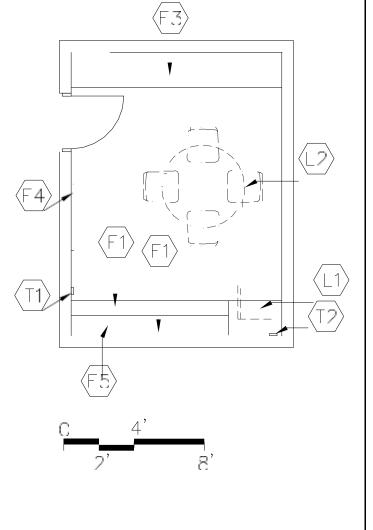
T7 Classroom technology center video port 271543, 274116, 274119, 275127

CHAPTER 6: HIGH SCHOOL

- 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. I requir	Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 ements.

200 SF



PROGRAM ACTIVITIES:

Preparation and storage of instructional materials and equipment

SPATIAL RELATIONSHIPS:

 Adjacent to business and marketing classrooms

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

SIZE:

CAPACITY:

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

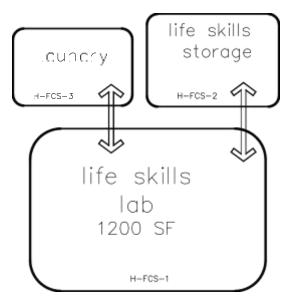
2 - 4 teachers 100 - 400 SF

WORKROOM/STORAGE

H-BE-3		CHAPTER 6: HIGH SCHOOL
	Spec.	Spec.
<u>FINISHES</u> ¹ :	<u>Ref.#</u>	FEATURES¹: Ref.#
Flooring:	000040	Fixed Items ² :
Carpet, carpet tile, ET, linoleum,	096816	F1 12'-18' combination base and 123550
Or sheet vinyl	096500 096516	wall cabinets F2 Reserved
	096316 096813	F2 Reserved F3 12'-24' of tall storage
Base:	030013	cabinets or bookshelves 123550
Resilient base	096500	F4 4' of tack board or <i>marker board</i> , 101100
Ceiling:		tackable wall surface F5 Work surface (optional) 123550
Suspended, acoustical	095113	13 Work Surface (optional) 123330
Gasperiada, acoasticai	000110	Fire Suppression:
Walls:		Fire suppression system 211000
Painted concrete masonry units		
04200	00/099100	Plumbing:
		N/A
LOOSE FURNISHINGS:		
L1 Computer workstation furniture		HVAC:
L2 Tables and chairs Wastebasket		Supply/return air system Div. 23 Independent temperature
Wasiebaskei		control 230923
		230923
		Electrical:
		Single level switching 262726
		Fluorescent lighting 265100
		Illumination level: See Table 8600-5
		2 duplex receptacles 262726
		Double duplex receptacle adjacent to
		each data port 262726
		Duplex receptacle for office-type equipment 262726
		equipment 202720
		Communications:
		T1 1 voice port and phone 271513/ 273123
		T2 1 data port 271513
		Central sound system 275123
		Electronic Safety and Security:
		Life safety devices per code 283111
		Misselleneaus
		Miscellaneous:
		N/A

- 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 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

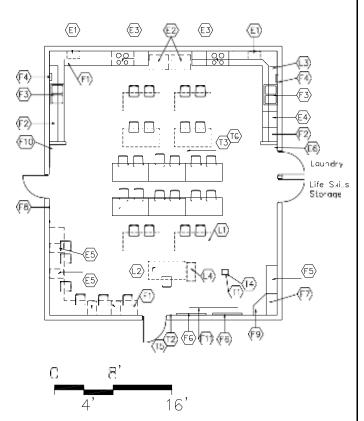
H-FCS-3 Laundry

H-FCS-4 Child Development

FAMILY	AND	CONSUMER	SCIENCE	SPACES
H-F CS				

CHAPTER 6: HIGH SCHOOL

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

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.

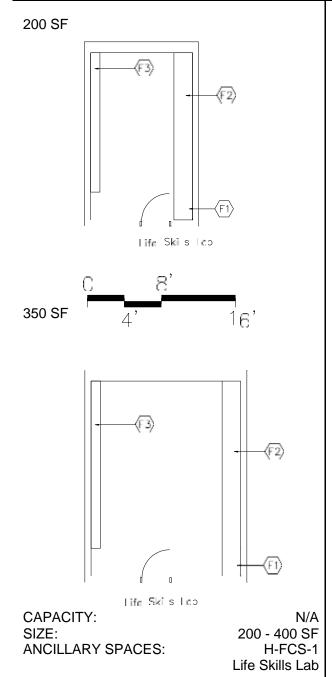
LIFE SKILLS LAB H-FCS-1

H-FCS-1		CHAPTER 6: HIGH	H SCHOOL
EN USU EST	Spec.	FEATURES1:	Spec. Ref.#
FINISHES ¹ : Flooring:	Ref.#	Fixed Items:	<u>1.τ</u>
Linoleum,	096500	F1 Base cabinets	123550
ET, sheet vinyl, or rubber	096516	F2 Wall cabinets F3 Double bowl sink base cabinet	123550 123550
, .,		F4 2 towel dispensers	102813
Base:		F5 4'-8' of bookcases (optional)	123550
Resilient base	096500	F6 16'-32' combination marker board, tack board, tackable wall surface	101100
Ceiling:		F7 Technology support casework	123550
Suspended, acoustical	095113	F8 Pencil sharpener support (optional) 06 Tall wardrobe with file drawers	32000 F9 123550
		F10 3'-9' of tall storage cabinets	123550
Walls:		(could have trays)	
Paint		F11 Projection screen (optional)	115213
099100		Fire Suppression:	
LOOSE FURNISHINGS:		Fire suppression system	211000
L1 Tables and chairs		Plumbing: Double sinks	224000
L2 Teacher desk/computer support an	d chair	Plumbing connections 224000/221110	
L3 Reserved L4 File cabinet		Garbage disposals (optional) <u>HVAC</u> :	
Wastebaskets		Supply/return air system	Div. 23
		Manually operated exhaust air	Div. 23
EQUIPMENT:		system Independent temperature	DIV. 23
E1 Microwaves E2 Refrigerators		controls	230923
E3 Range and oven		<u>Electrical</u> : Fluorescent lighting	265100
E4 Dishwasher		Illumination level: See Table 8600)-5
E5 Sewing machines		Multilevel switching 4 duplex receptacles	262726 262726
Electronic Safety and Security:		Double duplex receptacle adjacent to	202720
Life safety devices per code 283111		each data and video port	262726
Missellandaus		Receptacles for refrigerators, microwa ranges, dishwashers, and	aves,
Miscellaneous: Pencil sharpener (optional)		sewing machines	262726
rendi sharpener (optionar)		Means of egress lighting per code Emergency lighting per code	265100 265100
E6 Duplex receptacle with dedicated	ı	Communications:	
E6 Duplex receptacle with dedicated circuit for wireless device		T1 1 projector video port T2 1 voice port and phone 27151	271543 3/273123
0.100.11.10.10.000 0.000		T3 Wireless access point cable above cei	ling
			271513
C5/Glassicationschools). center video p	ort	செருர்al sound system	275323 275127
271543, 274116, 27411	19, 275127	Sound reinforcement system T4 Ultra-short throw interactive projector	275127
T6 Wireless access point (WAP) as determined by Design – refer to No	ote 3	1 - On a-Short tillow lineractive projector	274119
	272133		

- 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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.



 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

LIFE SKILLS STORAGE H-FCS-2

Linoleum, rubber, ET, or sheet

Painted concrete masonry units

FINISHES¹:

vinyl

Resilient base

Suspended, acoustical

Flooring:

Base:

Ceiling:

Walls:

		CHAPTER 6: HIG	H SCHOOL
	Spec. <u>Ref.#</u>	FEATURES ¹ : Fixed Items ² :	Spec. Ref.#
heet	096500 096516	F1 3' of tall wardrobe (optional) F2 10'–18' of tall cabinets or wall & base cabinets	123550 123550
	096500	F3 10'–18' of open cabinets Option: mobile storage shelving	123550 105626
	095113	Fire Suppression: Fire suppression system	211000
inits 04200	00/099100	Plumbing: N/A HVAC: To be determined by Design Profess Supplemental heat as required	ional Div. 23
		Electrical: Fluorescent lighting	265100 800- 5

LOOSE FURNISHINGS:

Supply cart

Illumination level: See Table 8600-5 1 duplex receptacle 262726

Communications:

N/A

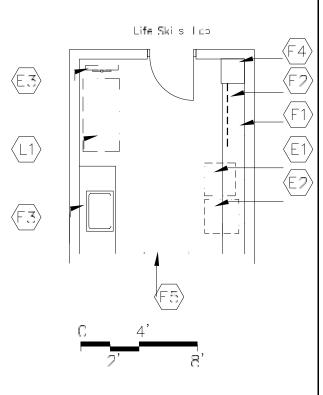
Electronic Safety and Security:

N/A

Miscellaneous:

N/A

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



 Laundry to be used by the family and consumer science department

SPATIAL RELATIONSHIPS:

· Adjacent to life skills lab

ENVIRONMENTAL CONSIDERATIONS:

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

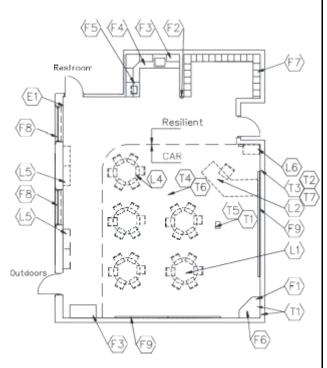
CAPACITY: N/A
SIZE: 150 SF
ANCILLARY SPACES: Life Skills lab
H-FCS-1

LAUNDRY H-FCS-3

H-FCS-3		CHAPTER 6: HIGH SCHOOL
FINISHES ¹ :	Spec. <u>Ref.#</u>	Spec. FEATURES: Ref.#
Flooring: Linoleum, ET, or sheet vinyl	096516 096500	Fixed Items ¹ : F1 14' of wall cabinets 123550 F2 6' hanging bar/drying rack (optional)123550 F3 6' sink base cabinet 123550
Base: Resilient base	096500	F4 3' tall cabinet (optional) 123550 F5 5' highmirror (optional) 102813
Ceiling: Suspended, acoustical	095113	Fire Suppression: Fire suppression system 211000
Walls: Painted concrete masonry units 0420	00/099100	Plumbing: Sink, 12" deep 224000 Plumbing connections
LOOSE FURNISHINGS: L1 Folding table Wastebasket EQUIPMENT: E1 Washer E2 Electric dryer E3 Ironing board		HVAC: Supplemental heat as required Div. 23 Exhaust air system Div. 23 Exhaust for dryer Div. 23 Electrical: Fluorescent lighting: 265100 Illumination level: See Table 8600-5 Single level switching 262726 2 duplex receptacles 262726 Receptacle for electric dryer and washer 262726 Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: N/A

NOTES:

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



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

 Required: View glass – minimum 5% without daylighting design; minimum 3% with daylighting design.

Recommended: Daylighting design with glazing area determined by design solution.

- Environmental sound control walls only minimum STC 45 ceiling minimum CAC 35, NRC 0.70
- · Resilient- and stain-resistant floor covering

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

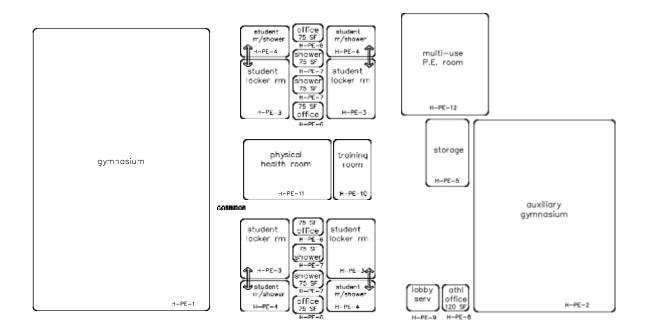
H-FCS-4		CHAPTER 6: HIGH SCHOOL
FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	Spec. FEATURES: Ref.# Fixed Items:
Combination of carpet and carpet tile, linoleum, ET, sheet vinyl, or rubber	096816 096500 096516	F1 Tall wardrobe with file drawers 123550 F2 Pencil sharpener support (optional) 062000 F3 16'-20' combination wall and tall 123550
Base: Resilient base	096813 096500	cabinets F4 3' of sink base cabinet, 36" high 123550 F5 3' of sink base cabinet, (ADA compliant) 123550
Ceiling: Suspended, acoustical	095113	F6 Technology support casework 123550 F7 Open casework coats 123550 F8 Windows withintegral blinds 085113 F9 16'-32' of marker board, tack
Walls:		board, or tackable wall surface 101100
Paint 099100		Fire Suppression: Fire suppression system 211000
LOOSE FURNISHINGS: L1 Student desks and chairs L2 Teacher desk/computer support a	nd	Plumbing: 2 sinks (1 with drinking fountain) 224000 Plumbing connections
chair		HVAC: 224000/221116/221119
 L3 Reserved L4 Tables and chairs for preschool ch L5 Low mobile storage units L6 File cabinet Wastebasket 	ildren	Supply/return air system Div. 23 Independent temperature control 230923 Electrical: Fluorescent lighting 265100 Illumination level: See Table 8600-5 Multilevel switching 262726 6 duplex receptacles 262726
Electronic Safety and Security: Life safety devices per code Miscellaneous: Pencil sharpener (optional) E1 Duplex receptacle with dedicated	283111	Communications: T1 1 projector video port 271543 T2 1 voice port and phone 271513/273123 T3 1 data port near teacher workstation 271513 T4 Wireless access point cable above
circuit for wireless devices		ceiling 271513 Clock 275313 Central sound system 275123 Sound reinforcement system 275127 T5 Ultra-short throw interactive projector 274119 T6 Wireless access point (WAP) as determined by Design – refer to Note 3 77 Classroom technology center video port

T7 Classroom technology center video port 271543, 274116, 274119, 275127

- 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. Baseline includes WAP cable per classroom. WAP device quantity / placement per 272133 requirements.



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:

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

GYMNASIUM SIZE

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

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

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

SEATING

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

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

FINAL LAYOUT

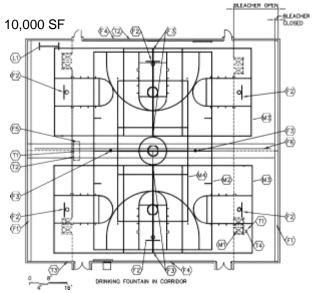
The actual Gym and seating layout will be determined during the design process.

High School Gymnasium Design Guidelines						
STN ENRL	Staff	Total Occup	Gym SF	Court Size	Approx. # Seats	
450	41	491	9,300	50 x 84	517	
600	.51	651	9,800	50 x 84	645	
700	60	760	10,200	50 x 84	748	
800	69	869	10,700	50 x 84	876	
900	77	977	11,100	50 x 84	978	
1,000	8.5	1,085	11,500	50 x 84	1,080	
1,100	94	1,194	11,900	50 x 84	1,183	
1,200	102	1,302	12,400	50 x 84	1,311	
1,300	108	1,408	12,800	50 x 84	1,413	
1,400	116	1,516	13,200	50 x 84	1,516	
1,500	125	1,625	13,600	50 x 84	1,618	
1,600	133	1,733	14,000	50 x 84	1,721	
1,700	1.39	1,839	14,500	50 x 84	1,849	
1,800	148	1,948	14,900	50 x 84	1,951	
1,900	156	2,056	15,300	50 x 84	2,053	
2,000	164	2,164	15,700	50 x 84	2,156	
2,100	172	2,272	16,100	50 x 84	2,258	
2,200	180	2,380	16,600	50 x 84	2,386	
2,300	189	2,489	17,000	50 x 84	2,489	
2,400	197	2,597	17,400	50 x 84	2,591	
Note: Aux. Gym bleachers are a district expense, 2011						

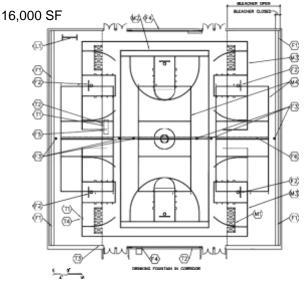
PHYSICAL EDUCATION SPACE	S
H-PE	

CHAPTER 6: HIGH SCHOOL

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



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

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

SPATIAL RELATIONSHIPS:

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

CAPACITY: 60 – 75 Students SIZE: 9,300 – 17,400 SF

ANCILLARY SPACES:

Physical Education Storage H-PE-5

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control walls minimum STC 60
- Acoustical requirements and other factors as determined by final configuration of the space
- Clear, *fixed* height of 23' from floor to nearest obstruction

NOTES:

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

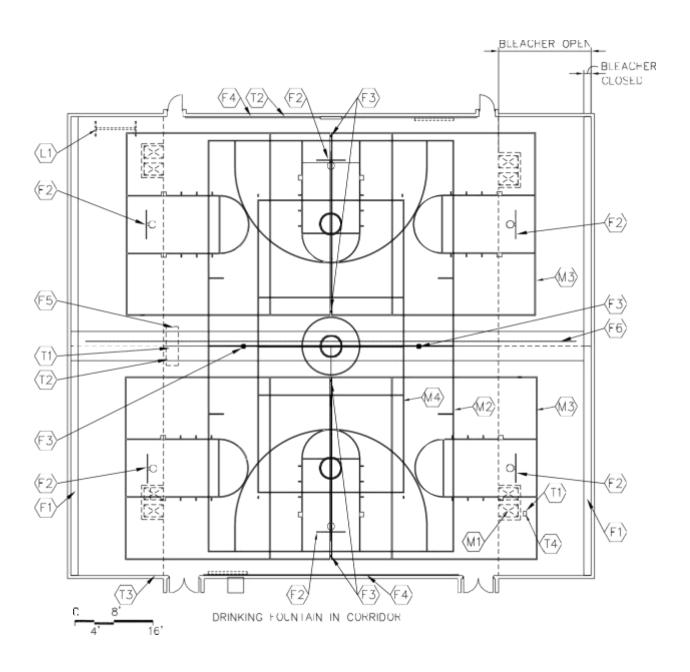
GYMNASIUM H-PF-1

H-PE-1		CHAPTER 6: HIGH	SCHOOL
FINISHES ¹ :	Spec. <u>Ref.#</u>	FEATURES:	Spec. <u>Ref.#</u>
Flooring: Wood	096466	Fixed Items: F1 Telescoping stands F2 6 basketball backstops, glass	126600 116623
Base: Ventilated resilient base Ceiling:	096466	F3 Volleyball sleeves and standards on a cart F4 Safety wall wainscot F5 Scorer's table F6 Divider gym curtain	116623 116623 126600 116623
Painted exposed structure Walls:	099100	Fire Suppression: Fire suppression system	211000
Painted Sound absorption concrete mason units on 2 walls or abuse-resistant acoustical wall	099100 nry 042000	Plumbing: Drinking fountain directly outside the entrance	224000
treatment LOOSE FURNISHINGS: L1 Portable <i>markerboard</i>	098000	HVAC: Supply/return air system Independent temperature control	Div. 23 230923
ET TOTALIS MATROPOGIA		Electrical: Fluorescent lighting Illumination level: See Table 860 Multi-level switching 8 duplex receptacles Double duplex receptacle adjacent each data and video port Emergency lighting per code Means of egress lighting per code Electrical connections to P.E. equipment where necessary Scoreboard Telecommunications Grounding	262726 262726
Miscellaneous: M1 Bleacher seating (ADA accessible Court markings (optional) M2 84' x 50' basketball court M3 (2) cross-court basketball court M4 30'x60' volleyball court M5 36' x 78' tennis courts Provide wire guards on light fixtures an wall-mounted electrical devices	ts	T2 2 data ports	2/cart 3/274119 271513 3/273113 275313 275123 275124 274119

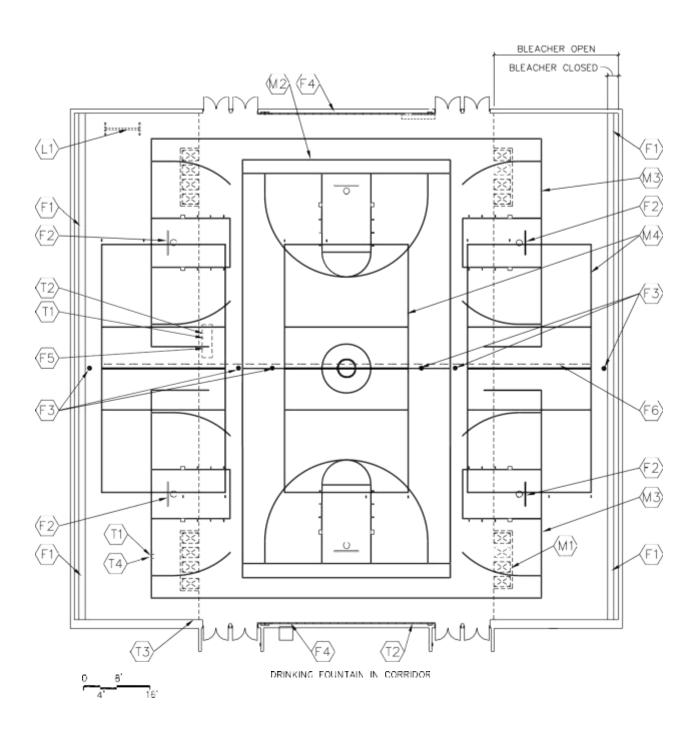
NOTES:

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

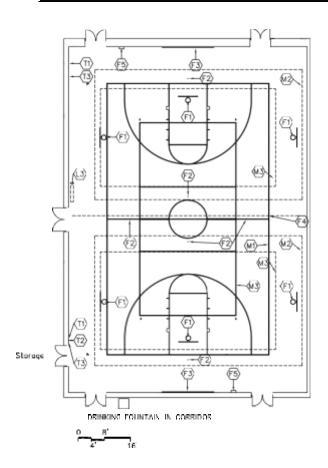
10,000 SF



16,000 SF



CHAPTER 6: HIGH SCHOOL



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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Adequate sound control/acoustics
- Clear height of 23' from floor to nearest obstruction
- Environmental sound control wall minimum STC 60

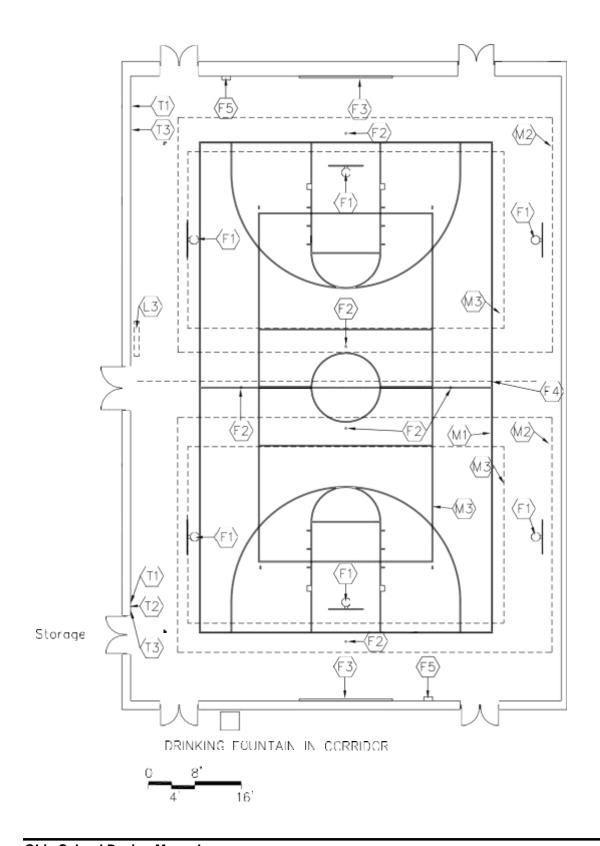
CAPACITY: 25 - 60 students SIZE: 7,000 SF ANCILLARY SPACES:

NOTES:

AUXILIARY GYMNASIUM H-PE-2

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

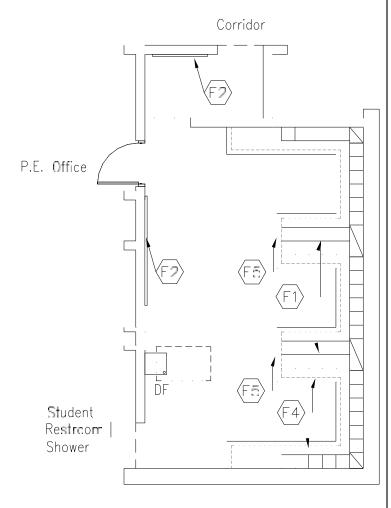
- 1. Finishes/Features: Refer to Chapter 9 for specification references.
- 2. The OFCC does not co-fund telescoping bleachers in auxiliary gyms. District may provide telescoping bleachers in accordance with section 126600 at district's expense.



AUXILIARY	GY	M١	۱A	SI	U	M
		1	Н-	DI	=.	.2

CHAPTER 6: HIGH SCHOOL

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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 25 - 60 students SIZE: 550 - 850 SF

ANCILLARY SPACES:

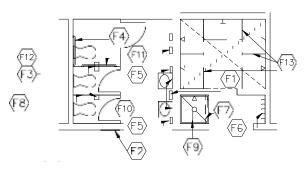
Student Restroom/Shower, H-PE-4 P.E./Athletic Office, H-PE-6

STUDENT LOCKER ROOM H-PE-3

H-PE-3		CHAPTER 6: HIG	H SCHOOL
	Spec.		Spec.
FINISHES ¹ :	<u>Ref.#</u>	FEATURES1:	Ref.#
Flooring:		Fixed Items:	40=440
Vinyl or rubber sheet flooring,	096500	F1 Athletic lockers	105113
rubber tile, or	096723	F2 8'-16' combination marker board, ta	
resinous flooring		board, tackable wallsurface F3 Reserved	101100
Base:		F4 Locker benches	062000
Resilient base or	096500	F5 Mirrors	102813
resinous flooring	096723		
ŭ		Fire Suppression:	
Ceiling:		Fire suppression system	211000
Suspended, acoustical with high-			
hold-down clips	095113	Plumbing:	- /
Option: Exposed, painted pre-case		Drinking fountain 22400	0/224700
	099100	H)///C:	
Walls:		HVAC: Supply air system	Div. 23
Painted concrete masonry units		Exhaust air system	Div. 23
	000/099100	Independent temperature control	230923
		·	
LOOSE FURNISHINGS:		Electrical:	
Wastebaskets		Fluorescent lighting	265100
		Illumination level: See Table 86	
		2 duplex receptacles	262726
		Emergency lighting per code Means of egress lighting per code	
		Means of egress lighting per code	200100
		Communications:	
		Clock	275313
		Central sound system	275123
		Electronic Safety and Security:	
		Life safety devices per code	283111
		,	
		Miscellaneous:	
		N/A	

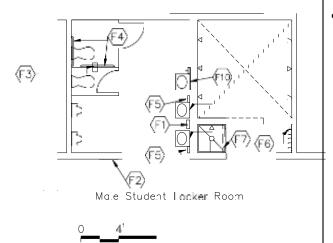
NOTES:

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



Female Student Lacker Room





CAPACITY: 5 students SIZE: 200 – 350 SF

ANCILLARY SPACES: Student Locker Room

H-PE-4

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

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

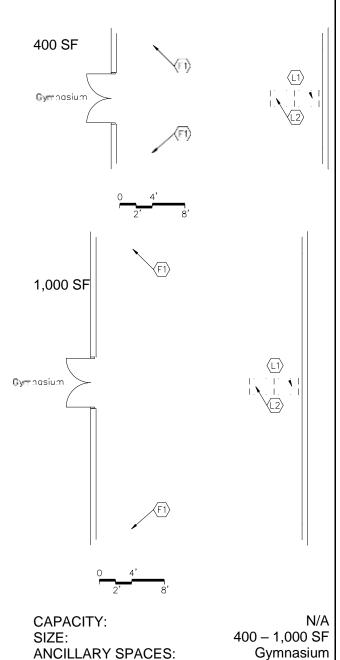
ENVIRONMENTAL CONSIDERATIONS:

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

STUDENT RESTROOM/SHOWER H-PE-4

H-PE-4		CHAPTER 6: HIGH	H SCHOOL
FINISHES1:	Spec.	FEATURES ¹ :	Spec.
	<u>Ref.#</u>		Ref.#
Flooring:	000500	Fixed Items:	400040
Restroom: Vinyl, rubber sheet	096500	F1 Towel dispensers	102813
flooring, rubber tile, or	093000	F2 24" by 60" mirror	102813
resinous flooring	096723	F3 Toilet tissue holders	102813
Shower: Ceramic mosaic tile,		F4 36" and 42" grab bars	102813
porcelain tile, or resinous flooring	ng	F5 Soap dispensers	102813
_		F6 Towel hooks	102813
Base:		F7 Shower curtain and rod	102813
Restroom: Resilient base,	096500	F8 Toilet partitions	102813
resinous flooring, or	093000	F9 ADA shower accessories	102813
integral vinyl cove base	096723	F10 16" x 24" mirrors with shelves	102813
Shower: Ceramic mosaic tile base	•	F11 Sanitary product dispensers ²	102813
porcelain tile base, resinous flo	ooring,	F12 Sanitary product receptacles ²	102813
or integral vinyl cove base		F13 Modesty shower partitions ²	102813
Ceiling:		Fire Suppression:	
Restroom: Suspended, acoustical	with	Fire suppression system	211000
high-impact & hold-down clips	095113	Plumbing:	
Shower: Painted portland cement		Wall-mounted water closets	224000
	0/099100	Wall-mounted lavatories or	224000
or interior finish system	092513	wash fountains	
oo	00_0.0	Wall-mounted urinals	224000
Walls:		ADA shower controls and head	224000
Epoxy-painted concrete masonry (ınits	Shower fixtures	224000
	00/099100	HVAC:	
or ceramic wall tile in showers	093000	Supply/return air system	Div. 23
	093000	Exhaust air system	Div. 23
and latex paint in restroom	099100	Electrical:	
LOOSE ELIDNISHINGS		Fluorescent lighting	265100
LOOSE FURNISHINGS:		Illumination level: See Table 86	
Wastebaskets		Single level switching	262726
		1 duplex receptacle	262726
		Emergency lighting	265100
		Means of egress lighting per code	265100
		Communications:	
		Central sound system	275123
		Electronic Safety and Security:	
		Life safety devices per code	283111
		Miscellaneous:	
		N/A	

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



• Storage for physical education equipment

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS: N/A

NOTES:

ANCILLARY SPACES:

H-PE-1

PHYSICAL EDUCATION STORAGE H-PE-5

CHAPTER 6: HIGH SCHOOL

Spec. Spec. FINISHES1: FEATURES1: Ref.# Ref.# Fixed Items²: Flooring:

F1 20' - 48' of open shelving, Sealed concrete 033000 123550 depths may vary (fixed or loose)

Base: Fire Suppression: No base

Fire suppression system 211000

Ceiling: Exposed structure Plumbing:

Option: Rated gypsum wallboard N/A 092113

Walls: **HVAC:**

Unpainted concrete masonry units 042000 Exhaust air system Div. 23 Supplemental heat as required Div. 23

LOOSE FURNISHINGS: Electrical: L1 Tumbling mats on carts Single level switching

262726 L2 Ball carts Fluorescent lighting 265100

Illumination level: See Table 8600-6 1 duplex receptacle 262726

Communications:

N/A

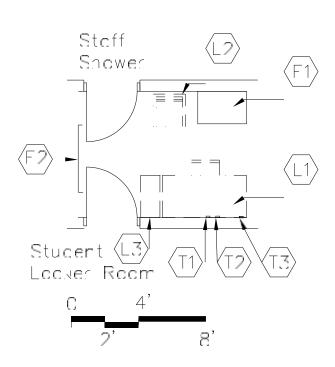
Electronic Safety and Security:

N/A

Miscellaneous:

N/A

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



 Teacher office for planning, grading, conferences, and scheduling

SPATIAL RELATIONSHIPS:

- · Adjacent to student locker room
- Adjacent to staff shower

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 1 teacher SIZE: 75 SF ANCILLARY SPACES: Student Locker Room

H-PE-3 Staff Shower H-PE-7

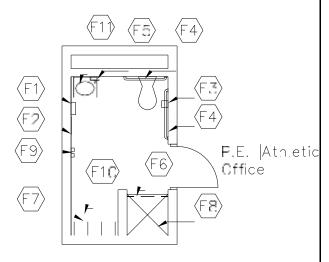
NOTES:

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

H-PE-6		CHAPTER 6: HIGH SCHOOL	_
FINISHES ¹ :	Spec. <u>Ref.#</u>	Spec. FEATURES¹: Ref.#	-
Flooring: Linoleum, ET, sheet vinyl, or rubber	096500 096516	Fixed Items: F1 Tall wardrobe 123550 F2 4' of tack board 101100	
Base: Resilient base	096500	Fire Suppression: Fire suppression system 211000	
Ceiling: Suspended, acoustical	095113	Plumbing: N/A	
Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Teacher desk and chair		HVAC: Supply/return air system Independent temperature control (coupled with similarly loaded adjacent spaces) Div. 23 230923	
L2 Visitor chair L3 File cabinet Wastebasket	Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 4 duplex receptacles 262726 Double duplex receptacle adjacent to each data port 262726		
		Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near teacher workstation271513 T3 1 projector video port 271543 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111	
		Miscellaneous: Interior windows (optional) 081113/088000	

NOTES:

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



 Personal and health care needs forphysical education teacher

SPATIAL RELATIONSHIPS:

• Adjacent to P.E./athletic office

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 1 person SIZE: 75 SF ANCILLARY SPACES: P.E./Athletic Office

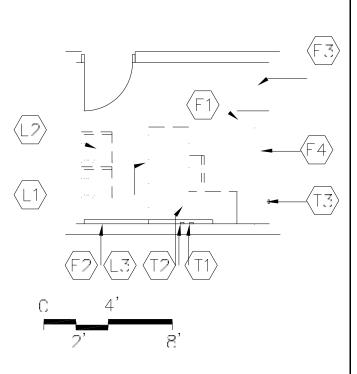
H-PE-6

STAFF SHOWER

H-PE-7			CHAPTER 6: HIG	SH SCHOOL
	Spec.			Spec.
<u>FINISHES</u> ¹ :	Ref.#		ATURES ¹ :	Ref.#
Flooring:			ed Items:	
Restroom: ET,	096500	F1	Towel dispenser	102813
sheet vinyl, or	096516	F2	24" x 60" mirror	102813
resinous flooring	093000	F3	Toilet tissue holder	102813
Shower: Ceramic mosaic tile,	096723	F4 F5	36" and 42" grab bar	102813 102813
porcelain tile, or resinous floori	ng	F6	Soap dispenser Shower curtain and rod	102813
Base:		F7	3 athletic lockers	102013
Restroom: Resilient base,	096500	F8	ADA Shower accessories	102813
resinous flooring, or	093000	F9	Towel hooks	102813
integral vinyl cove base	096723	_	Built-in bench (optional)	102813
Shower: Ceramic mosaic tile base			Mirror over sink with shelf (options	
porcelain tile base, resinous floc or integral vinyl cove base	•		(4)	102813
of integral virtyl cove base		Fire	Suppression:	
Ceiling:		1 0	Fire suppression system	211000
Restroom: Suspended, acoustical	095113			
Shower: Painted portland cement		Plur	nbing:	
	00/099100		Wall-mounted water closet	224000
or interior finish system	092513		Wall-mounted lavatory	224000
			ADA shower controls and head	224000
Walls:			Plumbing connections	
Epoxy painted concrete masonry u 04200	units 00/099100		224000/22111	6/221119
or ceramic wall tile in shower	093000	HVA	<u>\C</u> :	
and latex paint in restroom	099100		Exhaust air system	Div. 23
LOOSE FURNISHINGS:			Supplemental heat as required D	iv. 23
Wastebasket		Elec	etrical:	
			Single level switching	262726
			Fluorescent lighting	265100
			Illumination level: See Table 86	600- 5
			1 duplex receptacle	262726
		Con	nmunications:	
			Central sound system	275123
		Floo	etronic Safety and Security:	
		LIEC	Life safety devices per code	283111
		N 41:	a allan a a u a u	
		IVIISO	<u>cellaneous</u> : N/A	
			1 11 1 1	

NOTES:

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



Space for planning and scheduling

SPATIAL RELATIONSHIPS:

Near gymnasium

ENVIRONMENTAL CONSIDERATIONS:

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

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

...........

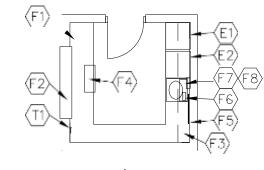
NOTES:

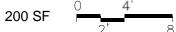
ATHLETIC DIRECTOR'S OFFICE H-PE-8

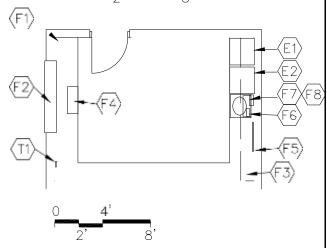
H-PE-8		CHAPTER 6: HIGH	SCHOOL
<u>FINISHES</u> ¹ : Flooring:	Spec. <u>Ref.#</u>	FEATURES ¹ : Fixed Items:	Spec. <u>Ref.#</u>
Carpet, carpet tile Option: Linoleum, ET, or sheet vinyl	096816 096813 096516	F1 Work surface with file drawers F2 4' of tack board or marker board tackable wall surface	123550 101100
Base: Resilient base	096500 096500	F3 Tall wardrobe F4 Wall cabinets above work surface	123550 123550
Ceiling: Suspended, acoustical Walls:	095113	Fire Suppression: Fire suppression system Plumbing: N/A	211000
Painted concrete masonry uni 04 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chairs	ts 2000/099100	HVAC: Supply/return air system Independent temperature control (coupled with similarly loaded adjacent spaces)	Div. 23 230923
L3 Computer desk return Wastebasket		Electrical: Single level switching Fluorescent lighting Illumination level: See Table 86 4 duplex receptacles Double duplex receptacle adjacent to data and video port	262726
		Communications: T1 1 voice port and phone 271513/27 1 data port near workstation T3 1 <i>projector</i> video port Central sound system Clock Electronic Safety and Security: Life safety devices per code Miscellaneous: N/A	73123 T2 271513 271543 275123 275313 283111

- 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







CAPACITY: SIZE:

1 - 5 people 100 - 500 SF

PROGRAM ACTIVITIES:

- Space for ticket sales
- Space for concession sales

SPATIAL RELATIONSHIPS:

Near gymnasium

ENVIRONMENTAL CONSIDERATIONS:

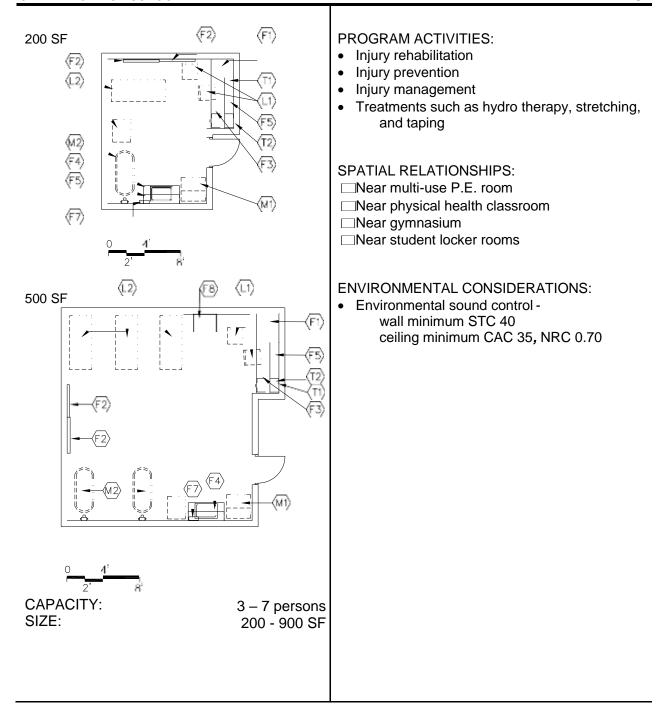
• Adequate ventilation

LOBBY SERVICES H-PF-9

H-PE-9		CHAPTER 6: HIGH	SCHOOL
FINISHES ¹ :	Spec. <u>Ref.#</u>	FEATURES:	Spec. Ref.#
Flooring: Linoleum, ET, sheet vinyl, or rubber	096516 096500	Fixed Items: F1 10' - 40' of base cabinets F2 Coiling door F3 Wall cabinets	123550 083320 123550
Base: Resilient base	096500	F4 Money drawer F5 4' of tack board F6 Soap dispenser	101100 102813
Ceiling: Suspended, acoustical	095113	F7 Shelf abovesink (optional)F8 Towel dispenser	102813 102813
Walls: Painted concrete masonry units 0420	000/099100	Fire Suppression: Fire suppression system	211000
LOOSE FURNISHINGS: Stool			224000 224000
EQUIPMENT: E1 Washer		224000/221116	6/221119
E2 Dryer		HVAC: Supply/return air system Independent temperature control Dryer vent connection	Div. 23 230923 Div. 23
		Electrical: 8 duplex receptacles Fluorescent lighting Illumination level: See Table 8 Single level switching Receptacles for concession equipment	262726 265100 3600- 9 265100
		Communications: T1 data port for cash register	271523
		Electronic Safety and Security: N/A	
		Miscellaneous: N/A	

NOTES:

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



NOTES:

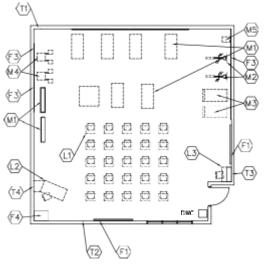
TRAINING ROOM H-PE-10

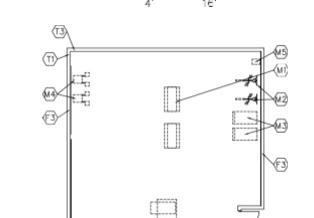
CHAP	IER	6: HI	GH	SCF	IOO
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<u>FINISHES</u> 1:	Spec. <u>Ref.#</u>	
Flooring:	- 000500	Fixed Items:
Sheet vinyl, rubber, or rubber til	e 096500	F1 T all wardrobe with files 123550 F2 8'-12' combination chalk/marker 101100
Base:		board, tack board, tackable wall surface
Resilient base	096500	F3 Work surface with file drawers 123550
rtoomont base	000000	F4 3' sink base cabinet 123550
Ceiling:		F5 Wall cabinets 123550
Suspended, acoustical	095113	F6 Reserved
·		F7 Towel dispenser 102813
Walls:		F8 About 3' tall storage cabinet 123550
Painted concrete masonry units		
04200	00/099100	Fire Suppression:
LOGGE ELIDATIONINGO		Fire suppression system 211000
LOOSE FURNISHINGS:		Plumbing:
L1 Chairs L2 Taping tables		Plumbing connections 224000/221116/221119
L2 Taping tables Wastebasket		Whirlpool, sink, and washer/dryer Div. 23
Wasiebaskei		HVAC:
		Supply/return air system Div. 23
		Independent temperature control 230923
		Electrical:
		Fluorescent lighting: 265100
		Illumination level: See Table 8600-6
		Single level switching 262726
		2 duplex receptacles 262726
		Double duplex receptacle adjacent to
		each data port 262726
		Electrical power for ice machine
		and whirlpool 262726 Communications:
		T1 1 data port near trainer workstation 271513
		T2 1 voice port and phone 271513/ 273123
		Clock 275313
		Central sound system 275123
		Electronic Safety and Security:
		Life safety devices per code 283111
		Miscellaneous:
		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.





CAPACITY: SIZE:

15 - 25 students 1,500 SF

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- □Near training room
- □Near gymnasium
- ■Near locker rooms

ENVIRONMENTAL CONSIDERATIONS:

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

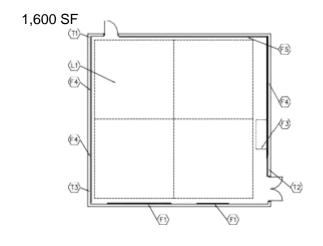
NOTES:

2,000 SF

PHYSICAL HEALTH CLASSROOM H-PE-11

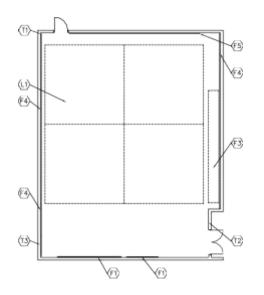
H-PE-11	CHAPTER 6: HIGH SCHOOL
Spec.	Spec.
FINISHES ¹ : Ref.#	FEATURES ¹ : Ref.#
Flooring:	Fixed Items:
Sheet vinyl, rubber, or rubber tile 096500	F1 8'-16' combination marker board, 101100
	tack board, and tackable wall surface
Base:	F2 Reserved
Resilient base 096500	F3 5' high mirror mounted
	12" above floor 088300
Ceiling:	F4 Tall wardrobe (optional) 123550
Suspended, acoustical 095113	
	Fire Suppression:
Walls:	Fire suppression system 211000
Painted concrete masonry units	Plumbing:
042000/099100	Plumbing connections
	224000/221116/221119
LOOSE FURNISHINGS:	Drinking water cooler 224000
L1 Student desks and chairs(if applicable)	HVAC:
L2 Teacher workstation and chair	Supply/return air system Div. 23
L3 Computer workstation	Independent temperature
File drawer	control 230923
Wastebasket	Electrical:
	Fluorescent lighting: 265100
	Illumination level: See Table 8600-5
	Multilevel switching 262726
	8 – 10 duplex receptacles 262726
	Double duplex receptacle adjacent to
	each data port 262726
	Communications:
	T1 1 <i>projector</i> video port and video display
	device 271543/274119
	T2 1 voice port and phone 271513/273123
	T3 1 data port 271513
	T4 1 data port near teacher workstation 271513
	Clock 275313
	Central sound system 275123
	Electronic Safety and Security:
	Life safety devices per code 283111
	Miscellaneous:
	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
	1

- 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.





3,000 SF



CAPACITY: SIZE:

22-25 students 1,400 – 2,400 SF

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Near gymnasium
- Near locker rooms

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

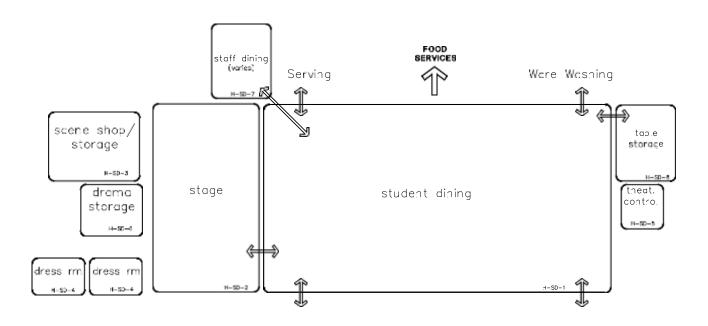
MULTI-USE P.E. ROOM H-PE-12

11 1 6 16		CHAI TER 0. HIGH SCHOOL
	Spec.	Spec.
FINISHES ¹ :	Ref.#	FEATURES: Ref.#
		Fixed Items:
Flooring:		F1 8'-24' combination marker board, 101100
Linoleum,	096516	tack board, and tackable wall surface
•	096500	F2 Reserved
ET, sheet vinyl, rubber, or		
fluid-applied athletic flooring	096766	F3 Mat hoist (optional) 116623
		F4 Safety wall wainscot 116623
Base:		
Resilient base	096500	Fire Suppression:
		Fire suppression system 211000
Ceiling:		
Painted exposed structure	099100	Plumbing:
r annea expeded structure	000100	N/A
Wolle:		14/7 (
Walls:		10/40
Painted concrete masonry units		HVAC:
04200	00/099100	Supply/return air system Div. 23
		Independent temperature control 230923
LOOSE FURNISHINGS:		
L1 Wrestling mat		Electrical:
ŭ		High intensity discharge lighting: 265100
		or fluorescent lighting
		Illumination level: See Table 8600-5
		Multilevel switching 262726
		6 duplex receptacles 262726
		Double duplex receptacle adjacent to
		each data and video port 262726
		Means of egress lighting 265100
		Emergency lighting per code 265100
		Emergency lighting per code 203100
		Communications:
		T1 1 <i>projector</i> video port 271543
		T2 1 voice port 271513/273113
		T3 1 data port 271513
		Clock with wire guards 275313
		Central sound system horns 275123
		Central Sound System Homs 275125
		Floatronic Cafaty and Converts
		Electronic Safety and Security:
		Life safety devices per code 283111
		Miscellaneous:
		N/A

NOTES:

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

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

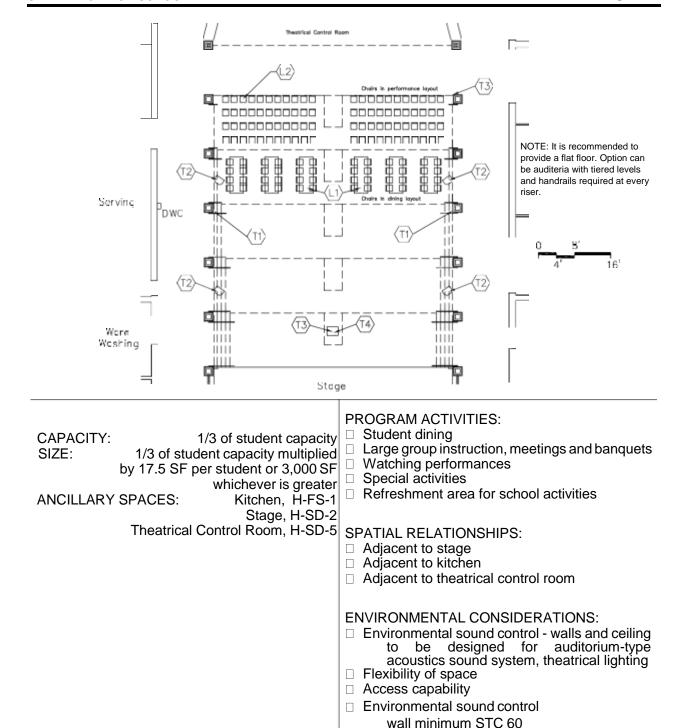
H-SD-8 Table Storage

H-SD-9 Family Restroom

STUDENT	DINING	SPACES
H-SD		

CHAPTER 6: HIGH SCHOOL

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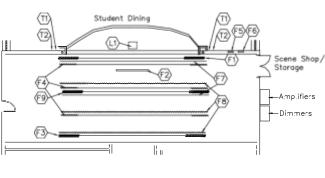


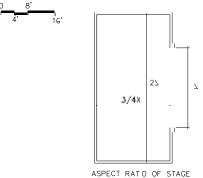
NOTES:

STUDENT DINING H-SD-1

H-SD-1 CHAPTER 6: HIGH	H SCHOOL
Spec.	Spec.
FINISHES ¹ : Ref.# FEATURES ¹ :	Ref.#
Flooring: Fixed Items:	
Linoleum, rubber, ET, 096500 N/A	
sheet vinyl, porcelain tile, 096516	
resinous flooring, 096723 Fire Suppression:	
polished concrete finishing, 033510 Fire suppression system	211000
or colored concrete finishing 033519	
Plumbing:	
Base: Drinking water cooler	224000
Resilient base 096500 Living	
Option: Porcelain tile base 093000 HVAC:	
Supply/return air system	Div. 23
Ceiling ³ : Independent temperature control	230923
Suspended acquistical 095113	
Painted exposed structure 000100 Electrical	005400
Poffector panels 000000 High intensity discharge lighting	265100
or nuorescent lighting	265400
Walls: Dimmable quartz lighting Theatrical lighting	265100
nieathcai ighting	265561
indimination level: see table edet	262726 6
Widthever Switching With diffining	262726
duplex receptacles (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	
Telecommunications Grounding2705	
LOOSE FURNISHINGS:	20/200320
L1 Tables Communications:	
	13/273123
for large assembly use T2 2 projector video ports	271543
Waste receptacles T3 2 data ports (minimum)	271513
Recycling bins Clocks	275313
Carts for chairs Central sound system	275123
Student dining/auditeria sound system	m 275121
T4 Ultra-short throw interactive project	
Note: Cafeteria tables with attached stools	274119
shall be securely anchored to walls when not	
in use, or be kept in a secure storage area Electronic Safety and Security:	
when not in use. Life safety devices per code	283111
Miscellaneous:	0044407
Windows with interior blinds or	081113/
Windows with shading devices (optional)	088000

- 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.





Proportions are recommended – not mandatory.

CAPACITY: N/A

SIZE: Based on student capacity

x = proscenium opening See diagram for dimension

ANCILLARY SPACES:

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

PROGRAM ACTIVITIES:

- Stage acting
- Musical performances
- Presentations

SPATIAL RELATIONSHIPS:

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

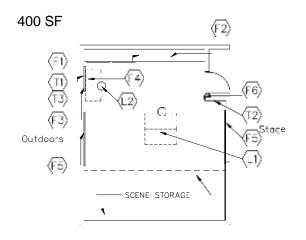
ENVIRONMENTAL CONSIDERATIONS:

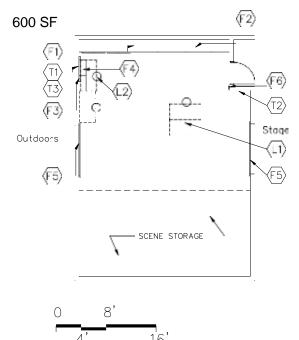
- Environmental sound control walls and structure above to be designed for performance
- Stage set and rigging
- Access capability
- Auditorium-type acoustics and sound system, as well as theatrical lighting

STAGE H-SD-2

	CHAPTER 6: HIGH S	SCHOOL
Spec. <u>Ref.#</u>	FEATURES ¹ :	Spec. <u>Ref.#</u>
096400 096816 096813	F1 Front curtain, track, and valance or grand border F2 Projection screen	116143 116143 116143
096400	 F4 Leg curtains, tracks, and/or pivots F5 Sound control console receptacle F6 Lighting control console receptacle F7 Light pipe F8 Border curtains 	116143 116143
099100	F9 Mid-stage traveler	116143
0/099100	Plumbing: N/A	211000
	Supply/return air system Independent temperature control	Div. 23 230923
	Fluorescent lighting:	265100
	Single level switching Stage dimming system Theatrical lighting Illumination level: see table 8600 6 duplex receptacles Double duplex receptacle adjacent each data and video port Emergency lighting per code Means of egress lighting per code Telecommunications Grounding 270526/	262726 265561 265561 -6 262726 to 262726 265100
	T2 2 data ports (1 on each side of	271543271523
	Central sound system	275121 275123
		283111
	Ref.# 096400 096816 096813 096400 099100	Spec. Ref.# Ref.# O96400 FEATURES¹: Fixed Items: For Front curtain, track, and valance or grand border O96816 F2 Projection screen O96813 F3 Rear curtain with track F4 Leg curtains, tracks, and/or pivots F5 Sound control console receptacle F6 Lighting control console receptacle F7 Light pipe F8 Border curtains O99100 Fire Suppression: Fire suppression system Plumbing: N/A HVAC: Supply/return air system Independent temperature control Electrical: Fluorescent lighting: Illumination level: See Table 86 Single level switching Stage dimming system Theatrical lighting Illumination level: see table 8600 6 duplex receptacles Double duplex receptacle adjacent each data and video port Emergency lighting per code Means of egress lighting per code Means of egress lighting per code Telecommunications: T1 2 projector video ports (1 on each proscenium opening) T2 2 data ports (1 on each side of proscenium opening) Student dining/auditeria sound sys Central sound system Electronic Safety and Security: Life safety devices per code Miscellaneous:

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





CAPACITY: N/A
SIZE: 400 - 1000 SF
ANCILLARY SPACES: Stage, H-SD-2
Auditeria/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 auditeria/student dining
- · Convenient to outside and materials delivery

ENVIRONMENTAL CONSIDERATIONS:

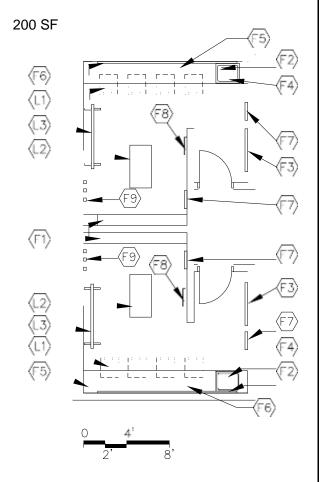
- Environmental sound control wall minimum STC 40 ceiling minimum CAC 35, NRC 0.70
- 12' clear height to nearest obstruction

NOTES:

SCENE SHOP AND STORAGE H-SD-3

H-SD-3		CHAPTER 6: HIGH SCHOO	OL
	Spec.	Spe	
FINISHES ¹ :	Ref.#	FEATURES: Ref.	
Flooring:		Fixed Items ² :	
Sealed concrete	033000	F1 9'-22' of tall storage cabinets 12355	
_		F2 5'-10' of wall cabinets (optional) 123550 F	
Base:	000500	4' of tack board 10110	
Resilient base	096500	F4 5'-10' base cabinet with 12355 work counter	
Ceiling:		F5 (2) 8' wide x 10' high overhead door 08361	
Painted exposed structure	099100	F6 Pencil sharpener support (optional) 06200	0
Walls:		Fire Suppression:	
Painted concrete masonry units		Fire suppression system 21100	0
0420	000/099100		
		Plumbing:	
LOOSE FURNISHINGS:		N/A	
L1 Work tablesL2 Work bench stools		LIVAC.	
Waste receptacle		HVAC: Supply/return air system Div. 2	2
vvaolo receptacie		Independent temperature control 23092	
		Manual exhaust Div. 2	
		Electrical:	
		Fluorescent lighting: 26510	00
		Illumination level: see table 8600-6	
		Single level switching 26272	
		4 duplex receptacles 26272 Double duplex receptacle adjacent to	6
		each data and video port 26272	96
		Cacif data and video port 20272	.0
		Communications:	
		T1 1 <i>projector</i> video port 27154	3
		T2 1 voice port 271513/27311	
		T3 1 data port 27151	
		Clock 27531	
		Central sound system 27512	23
		Electronic Safety and Security:	
		Life safety devices per code 28311	1
		Miscellaneous:	
		Shop equipment by school district	
		Pencil sharpener (optional)	

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



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

SPATIAL RELATIONSHIPS:

- Near stage
- Near restrooms

ENVIRONMENTAL CONSIDERATIONS:

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

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

NOTES:

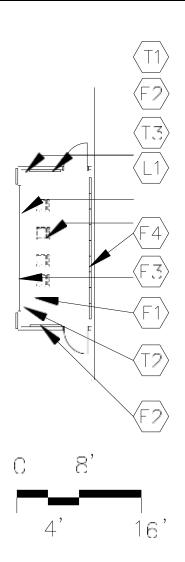
MAKEUP/DRESSING ROOMS H-SD-4

		Spec.		TUDE 0	Spec.
FIN	ISHES ¹ :	Ref.#		TURES:	Ref.#
	pring:	<u>1101.#</u>		<u>d Items</u> :	
1 100	Linoleum,	096516	F1	6'-16' of costume	
	The state of the s	096500		storage cabinets	123550
	ET, sheet vinyl, rubber,		F2	Toweldispenser (optional)	102813
	resinous flooring,	096723	F3	4'-8' of tack board	101100
	polished concrete flooring, or	033510	F4	3' sink base cabinet	123550
	or colored concrete finishing	033519	F5	8'-13' of work surface	123550
			F6	48" high makeup mirrors -	120000
Bas	e:		' 0		088300
	Resilient base, or	096500		full length of work surface	000300
	integral vinyl cove base		F7	2 minimum 20" wide x 60" high	000000
	g,,.			dressing mirrors	088300
Ceil	ina:		F8	Shallow wall cabinet for makeup	123550
OCII	•	095113		(optional)	
	Suspended, acoustical	095113	F9	Coat hooks	102813
147-1	1.				
Wal			Fire	Suppression:	
	Paint			Fire suppression system	211000
	099100				211000
			Fluii	<u>nbing</u> : Sink	224000
LOC	DSE FURNISHINGS:				224000
L1	Chairs			Plumbing connections	0/004440
L2	Bench		l <i>.</i> .	224000/22111	6/221119
L3	Mobile costume rack		HVA		
LO	Wastebasket			Supply/return air system	Div. 23
	Wasiebaskei			Independent temperature control	230923
			Elec	trical:	
				Fluorescent lighting: overhead	265100
				Fluorescent or LED lighting:	
				over makeup mirrors	265100
				Illumination level: See Table 8	
				Single level switching	262726
				2 duplex receptacles	262726
				Duplex receptacle at each makeup	
				station under mirror	262726
				Telecommunications Grounding	
					6/260526
			Com	nmunications:	
				Clock	275313
				Student Dining/Auditeria sound sys	stem
				,	275121
				Central sound system	275123
			Flec	tronic Safety and Security:	2.0.20
			_ <u>=160</u>	Life safety devices per code	283111
			N/:		203111
			IVIISC	cellaneous:	
				N/A	

NOTES:

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

CHAPTER 6: HIGH SCHOOL



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

SPATIAL RELATIONSHIPS:

- · Adjacent to auditeria/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: Auditeria/Student Dining H-SD-1

NOTES:

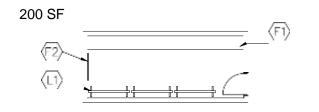
THEATRICAL CONTROL ROOM H-SD-5

	1	0
FINISHES ¹ :	Spec. <u>Ref.#</u>	Spec. <u>FEATURES</u> : <u>Ref.#</u>
Flooring:	1161.#	Fixed Items:
	096516	F1 10'-20' of equipment/work surface 123550
· ·	96500	F2 4'-8' of tack board 101100
· • • • • • • • • • • • • • • • • • • •		F3 Operable window (optional) 085113
polished concrete finishing, or 0		F4 Acoustic wall treatment (optional) 098000
colored concrete finishing 03351	9	Fire Suppression:
Base:		Fire suppression system 211000
	096500	The supplession system 211000
Resilient base	190500	Plumbing:
Ceiling:		N/A
•	095113	14/1
Suspended, acoustical	J93113	HVAC:
Walls:		Supply/return air system Div. 23
Painted gypsum wallboard		Independent temperature control 230923
042000/0	199100	
	098000	Electrical:
Acoustical wall treatment	30000	Fluorescent lighting: overhead 265100
		Illumination level: See Table 8600-6
LOOSE FURNISHINGS:		Dimmable task
L1 Chairs		lighting on work surface 265100 Single level switching 262726
Wastebasket		Student dining/auditeria lighting
Wasiebasket		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
		210320/200320
		Communications:
		T1 1 voice port and phone 271513/273123
		T2 1 projector video port 271543
		T3 2 data ports 271513
		Student Dining/Auditeria sound system
		control panel 275121
		Clock 275313
		Central sound system 275123
		Electronic Cofety and Cocurity
		Electronic Safety and Security:
		Life safety devices per code 283111
		Miscellaneous:
		N/A

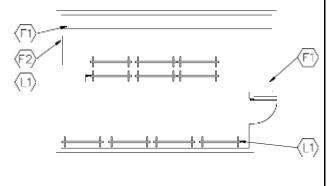
NOTES:

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

CHAPTER 6: HIGH SCHOOL



600 SF



4, 16

CAPACITY: SIZE:

N/A 200 – 1,000 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

ENVIRONMENTAL CONSIDERATIONS: N/A

NOTES:

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

DRAMA STORAGE H-SD-6

CHAPTER 6: HIGH SCHOOL

Spec. Spec. FINISHES1: Ref.# **FEATURES**: Ref.# Flooring: Fixed Items: F1 10'-22' of costume storage cabinets 123550 Sealed concrete, 033000 4' of tack board (optional) polished concrete finishing, or 033510 101100 colored concrete finishing 033519 Fire Suppression: Base: Fire suppression system 211000 Resilient base 096500 Plumbing: Ceiling: N/A Suspended, acoustical 095113 HVAC: To be determined by Design Professional Walls: Painted concrete masonry units Supplementary heat as required Div. 23 042000/099100 **Electrical**: LOOSE FURNISHINGS: Fluorescent lighting: 265100 Mobile clothes racks Illumination level: See Table 8600-6 1 duplex receptacle 262726 **Communications:** Central sound system 275123

Miscellaneous:

Electronic Safety and Security:

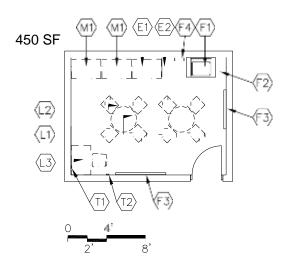
Life safety devices per code

N/A

NOTES:

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

283111



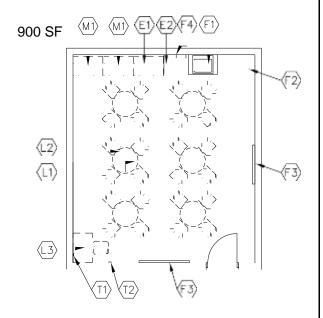
• Space for staff dining

SPATIAL RELATIONSHIPS:

- Near student dining
- Near food services

ENVIRONMENTAL CONSIDERATIONS:

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



CAPACITY: SIZE:

8 – 24 staff 450 – 1,200 SF

ANCILLARY SPACES:

Student Dining

H-SD-1

NOTES:

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

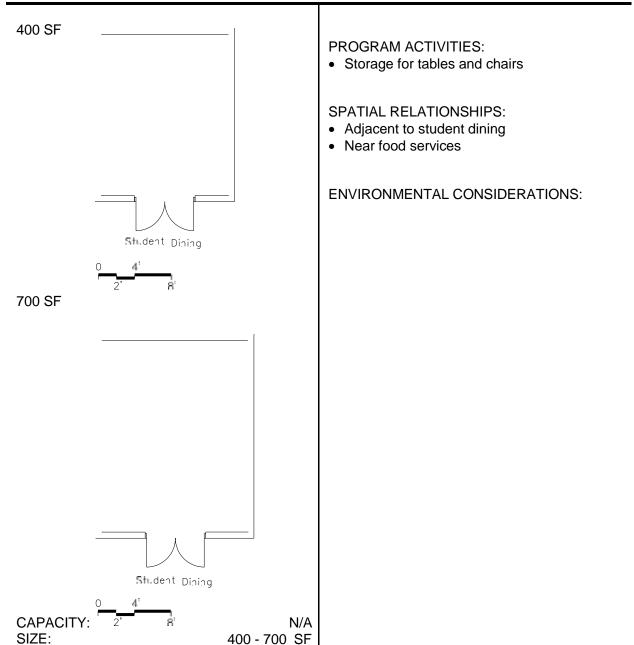
STAFF DINING H-SD-7

		OF WILL TERROR THIS PROPERTY.
FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	Spec. FEATURES¹: Ref.# Fixed Items:
Linoleum, rubber, ET, sheet vinyl, or porcelain tile resinous flooring	096500 096516 093000 096723	F1 3' sink base cabinet with wall cabinet 123550 F2 About 8' of base and wall cabinets 123550 F3 8'-10' combination marker board, 101100 tack board, and tackable wall surface
Base: Resilient base	096500	F4 Towel dispenser 102813
Optional: porcelain tile base Ceiling:	093000	Fire Suppression: Fire suppression system 211000
Suspended, acoustical	095113	Plumbing: Sink 224000
Walls: Painted, concrete masonry units 04200	0/099100	Plumbing connections 224000/221116/221119
LOOSE FURNISHINGS:	0/033100	HVAC: Supply/return air system Div. 23
L1 Tables L2 Chairs		Independent temperature control 230923
L3 Computer workstation Waste receptacle		Electrical:Single level switching262726Fluorescent lighting265100
EQUIPMENT: E1 Refrigerator with icemaker E2 Microwave		Illumination level: See Table 8600-6 4 duplex receptacles 262726 Double duplex receptacle adjacent to
		each video port 262726 Receptacles for vending machines, refrigerator, and microwave 262726
		<u>Communications:</u> T1 1 <i>projector</i> video port 271543
		T2 1 voice port and phone 271513/273123 Clock 275313
		Central sound system 275123
		Electronic Safety and Security: Life safety devices per code 283111
		Miscellaneous: 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.

CHAPTER 6: HIGH SCHOOL



NOTES:

ANCILLARY SPACES:

Student Dining H-SD-1

TABLE STORAGE H-SD-8

CHAPTER 6: HIGH SCHOOL

Div. 23

Div. 23

Spec. Spec. FINISHES¹: Ref.# FEATURES1: Ref.# Fixed Items: Flooring:

Sealed concrete 093000 N/A

Fire Suppression: Base:

Fire suppression system No base 211000

Ceiling: Plumbing: Exposed structure N/A

Option: Rated gypsum wallboard 092116

HVAC: Exhaust air system

Unpainted concrete masonry units 042000

LOOSE FURNISHINGS:

Electrical: Single level switching 262726 N/A Fluorescent lighting 265100

Illumination level: See Table 8600-6 1 duplex receptacle 262726

Supplemental heat as required

Communications:

N/A

Electronic Safety and Security:

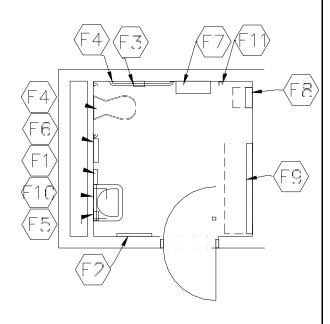
N/A

Miscellaneous:

N/A

NOTES:

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



Personal, health, and handicap needs for all building occupants

SPATIAL RELATIONSHIPS:

 Located where best accessible to all building occupants and the public

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 2 people SIZE: 80 SF

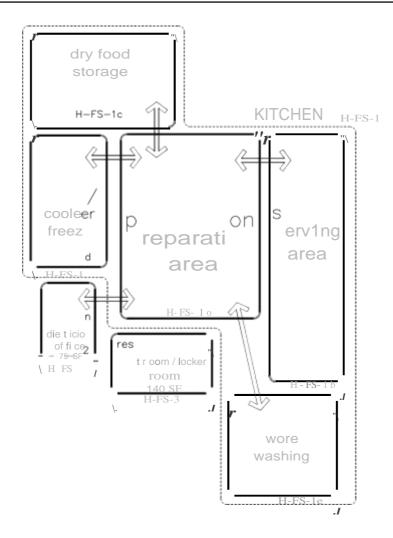
NOTES:

FAMILY RESTROOM H-SD-9

H-SD-9		CHAPTER 6: HIGH	SCHOOL
FINISHES ¹ :	Spec. Ref.#	FEATURES ¹ :	Spec. Ref.#
Flooring:	·	Fixed Items:	
Sheet vinyl,	096516	F1 Towel dispenser	102813
ceramic mosaic tile, or ET Optional: Ceramic mosaic tile,	096500 093000	F2 24" x 60" mirror F3 Toilet tissue holder	102813 102813
porcelain tile, or	096723	F4 36" and 42" grab bar	102813
resinous flooring	000720	F5 Soap dispenser	102813
		F6 Sanitary napkin dispenser/disposal	
Base:		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		F10 16" x 24" mirror with shelf	102813
flooring, or integral vinyl cove bas	se	F11 Coat hooks	102813
Ceiling:		Fire Suppression:	
Suspended, acoustical	095113	Fire suppression system	211000
		Dismahinas	
Walls:		Plumbing: Wall-mounted water closet	224000
Painted concrete masonry units	2/000400	Wall-mounted lavatory	224000
042000	0/099100	Plumbing connections	224000
LOOSE FURNISHINGS:		224000/221116	/221119
Wastebasket			
		HVAC:	
		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 860	00- 5
		1 duplex receptacle	262726
		Communications:	
		Central sound system	275123
		-	
		Electronic Safety and Security:	202444
		Life safety devices per code	283111
		Miscellaneous:	
		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.

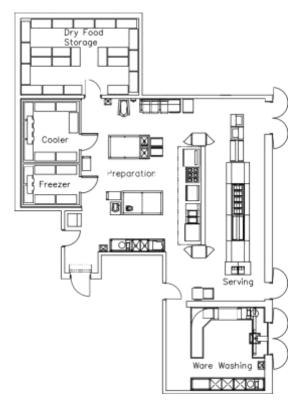
Following are the Food Service space plates:

Warming Kitchen
Kitchen
Preparation Area
Serving Area
Dry Food Storage
Cooler/Freezer
Ware Washing
Custodial Closet
Dietician Office
Restroom/Locker Room

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.

This space consists of various areas:

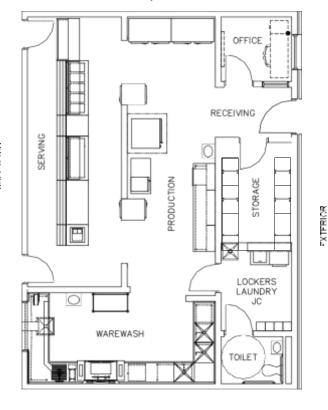
Production Area 25% Serving Area 35% Warewash 25% Storage 10%

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:

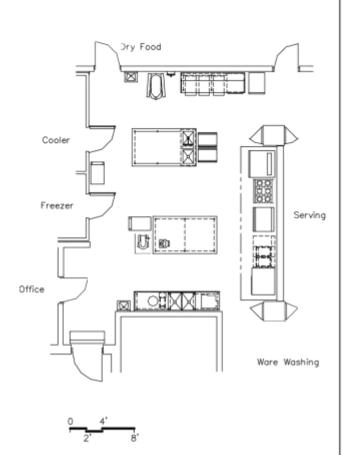
WARMING KITCHEN H-FS-0

		OHAI TER O. HIGI	TOOLIOOL
FINISHES ¹ :	Spec. Ref.#	FEATURES ¹ :	Spec. Ref.#
Flooring:	1161.#	Fixed Items:	1161.#
Quarry tile or resinous flooring	093000 096723	Food service equipment	114000
_		Fire Suppression:	044000
Base:		Fire suppression system	211000
Quarry tile base or <i>integral base</i>	093000	Plumbing:	
Ceiling:		Connections to food service eqpt.	224000
Cleanable, suspended, acoustical	095113	Plumbing connections	2/224440
\\/_II_0.		224000/221116	224000
Walls:	nita	Hand washing lavatory Gas connections	226313
Epoxy-painted concrete masonry u 04200	0/099100	Gas connections	220313
Option: Ceramic wall tile or	093000	HVAC:	
latex paint	099100	Supply/return air system	Div. 23
		Independent temperature control	
LOOSE FURNISHINGS:		Kitchen canopy exhaust system 23	3800
N/A		Electrical:	
		Dual level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 86	
		10 duplex receptacles	262726
		Duplex receptacle at	262726
		each cash register	202.20
		Emergency lighting	265100
		Connections to food service eqpt.	262726
		Means of egress lighting per code 2	265100
		Communications:	
			273123 1
		data port at cash register(s)	271513
		Clock	275313
		Central sound system	275123
		Electronic Safety and Security:	
		Life safety devices per code	283111
		Miscellaneous:	
		N/A	

NOTES:

CHAPTER 6: HIGH SCHOOL

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



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

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

ANCILLARY SPACES: Part of the kitchen

NOTES:

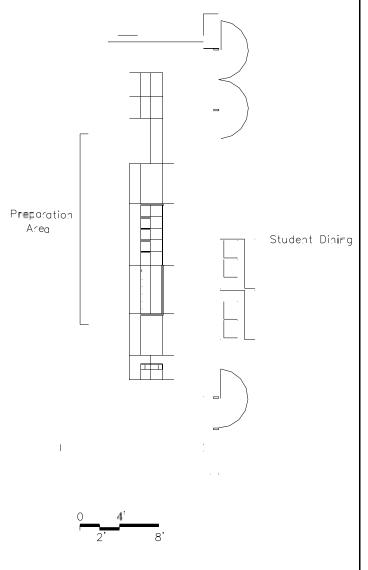
1. This is an example of a preparation area. Food service equipment will vary from school district to school district.

KITCHEN - Preparation Area

H-FS-1a		CHAPTER 6: HIGH	H SCHOOL
FINISHES ¹ :	Spec. <u>Ref.#</u>	FEATURES ¹ :	Spec. <u>Ref.#</u>
Flooring: Quarry tile or <i>resinous flooring</i>	093000 096723	Fixed Items: Food service equipment	114000
Base: Quarry tile base or <i>integral base</i>	093000	Fire Suppression: Fire suppression system	211000
Ceiling: Cleanable, suspended, acoustical	095113	Plumbing: Connections to food service	
Walls:		equipment Plumbing connections	224000
Epoxy-painted concrete masonry u		224000/221116	
Option: ceramic wall tile or latex paint	0/099100 093000 099100	Hand washing lavatory Gas connections	224000 226313
LOOSE FURNISHINGS:		HVAC: Supply/return air system Independent temperature	Div. 23
		control Kitchen canopy exhaust system	230923 233800
		Electrical: Dual level switching Fluorescent lighting Illumination level: See Table 86 4 duplex receptacles Emergency lighting Connections to food service equipment Means of egress lighting per code	262726 265100 00- 6 262726 265100 262726 265100
		Clock Central sound system	3/ 273123 275313 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 and refer to Chapter 10 for a list of possible food service equipment.



· Space for serving of food

SPATIAL RELATIONSHIPS:

- · Adjacent to student dining
- Adjacent to preparation area

ENVIRONMENTAL CONSIDERATIONS:

• Cleanable building services

N/A

Based on 34% of the kitchen area SIZE: ANCILLARY SPACES:

Part of the kitchen

NOTES:

CAPACITY:

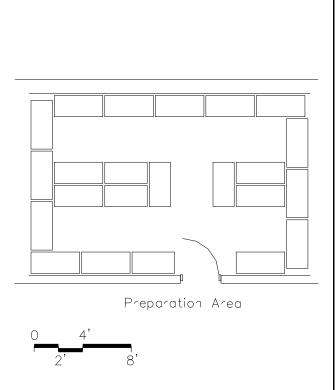
1. This is an example of a serving area. Food service equipment will vary from school district to school district.

KITCHEN - Serving Area H-FS-1b

H-FS-1b		CHAPTER 6: HIGH	SCHOOL
FINISHES ¹ :	Spec. Ref.#	FEATURES¹:	Spec. Ref.#
•	93000 96723	Fixed Equipment: Food service equipment	114000
resinous flooring		Fire Suppression: Fire suppression system	211000
Base: Quarry tile base Optional: porcelain tile base, <i>integral</i>	93000 <i>base</i>	Plumbing: Connections to food service	
Ceiling:			224000
, ,	95113	HVAC: Supply/return air system	Div. 23
Walls: Epoxy-painted concrete masonry unit 042000/0		Electrical: Dual level switching	262726
	93000 99100	Illumination level: See Table 860	
LOOSE FURNISHINGS: N/A		Connections to food service	262726 262726
IV/A		- 1- 1	265100
			262726
		1 ()	271513
			275313 275123 (273123
		Electronic Safety and Security:	
		, ,	283111
		Miscellaneous: 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.



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

- Continuous conditioning of air
- Cleanable building surfaces

CAPACITY: N/A

SIZE: Based on 11% of the kitchen area ANCILLARY SPACES: Part of the kitchen

NOTES:

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

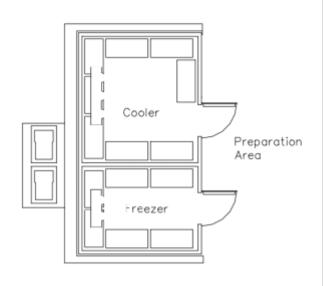
KITCHEN - Dry Food Storage H-FS-1c

FINISHES¹: Ref.# Flooring: Linoleum, ET, or sheet vinyl Option: Quarry tile or resinous flooring Option: Quarry tile Option: Cleanable, suspended, acoustical Option: Cleanable, suspended option: Option: Ceramic wall tile Option: Ceramic wall tile Option: Ceramic wall tile Option: Ceramic wall tile Option: Option: Option: Ceramic wall tile Option: Option: Ceramic wall tile Option: Op		_		
Flooring: Linoleum, ET, or sheet vinyl Option: Quarry tile or resinous flooring Option: Quarry tile or resinous flooring Option: Quarry tile Option: Quarry tile Ceiling: Cleanable, suspended, acoustical Option: Ceramic wall tile Option: Ceramic wall ti		Spec.		Spec.
Flooring: Linoleum, ET, or sheet vinyl Option: Quarry tile or resinous flooring Option: Quarry tile or resinous flooring Option: Quarry tile Option: Quarry tile Ceiling: Cleanable, suspended, acoustical Option: Ceramic wall tile Option: Ceramic wall ti	FINISHES ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Linoleum, ET, or sheet vinyl Option: Quarry tile or resinous flooring 096506 Moestife flooring 096516 Option: Quarry tile or resinous flooring 096723 Base: Resilient base 096500 Option: Quarry tile 093000 Ceiling: Cleanable, suspended, acoustical 095113 Walls: Epoxy-painted concrete masonry units 042000/099100 Or latex paint 099100 Option: Ceramic wall tile 093000 or latex paint 099100 LOOSE FURNISHINGS: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:				
Option: Quarry tile or resinous flooring Base: Resilient base Op6500 Option: Quarry tile Ceiling: Cleanable, suspended, acoustical O95113 Walls: Epoxy-painted concrete masonry units Epoxy-painted concrete masonry units Or latex paint O99100 Or latex paint O99100 LOOSE FURNISHINGS: N/A Sayphyression: Fire Suppression: Fire suppression system 211000 Flumbing: N/A Plumbing: Exhaust air system Div. 23 Supply/return air system Div. 23 Supply/return air system Div. 23 Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:		000500		444000
Base: Resilient base 096500 Option: Quarry tile 095113 Ceiling: Cleanable, suspended, acoustical 095113 Walls: Epoxy-painted concrete masonry units 042000/099100 Option: Ceramic wall tile 093000 or latex paint 099100 LOOSE FURNISHINGS: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:			Food service equipment	114000
Base: Resilient base 096500 Option: Quarry tile 093000 Ceiling: Cleanable, suspended, acoustical 095113 Walls: Epoxy-painted concrete masonry units 042000/099100 Option: Ceramic wall tile 093000 or latex paint 099100 LOOSE FURNISHINGS: N/A Plumbing: N/A HVAC: Exhaust air system Div. 23 Supply/return air system Div. 23 Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	Option: Quarry tile or <i>resinous</i>	093000		
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Base: Resilient base 096500 Option: Quarry tile 093000 Ceiling: Cleanable, suspended, acoustical 095113 Walls: Epoxy-painted concrete masonry units 042000/099100 Option: Ceramic wall tile 093000 or latex paint 099100 LOOSE FURNISHINGS: N/A Plumbing: N/A HVAC: Exhaust air system Div. 23 Supply/return air system Div. 23 Supply/return air system Div. 23 Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	g			211000
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Option: Quarry tile Opsion: Quarry tile Opsion: Quarry tile Opsion: Cleanable, suspended, acoustical Opsion: Cleanable, suspended, acoustical Opsion: Exhaust air system Div. 23 Supply/return air system Div. 24 Supply/return air system Div. 25 Single level switching 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Supply/return air system Div. 25 Single level switching 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Supply/return air system Div. 25 Single level switching 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Supply/return air system Div. 25 Single level switching 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Supply				
Option: Quarry tile 093000 N/A Ceiling: Cleanable, suspended, acoustical 095113 Exhaust air system Div. 23 Supply/return air system Div. 23	Resilient base	096500	Plumbing:	
Ceiling: Cleanable, suspended, acoustical 095113 Walls: Epoxy-painted concrete masonry units 042000/099100 Option: Ceramic wall tile 093000 or latex paint 099100 LOOSE FURNISHINGS: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	Ontion: Quarry tile	093000		
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Walls: Epoxy-painted concrete masonry units O42000/099100 Option: Ceramic wall tile O93000 or latex paint O99100 LOOSE FURNISHINGS: N/A Electronic Safety and Security: Life safety devices per code Miscellaneous: Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Communications: N/A Miscellaneous:	Cleanable, suspended, acoustical	095113		
Epoxy-painted concrete masonry units 042000/099100 Option: Ceramic wall tile 093000 or latex paint 099100 LOOSE FURNISHINGS: N/A Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:			Supply/return air system	Div. 23
Epoxy-painted concrete masonry units 042000/099100 Option: Ceramic wall tile 093000 or latex paint 099100 LOOSE FURNISHINGS: N/A Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	Walls:			
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or latex paint 099100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 LOOSE FURNISHINGS: N/A Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:				
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1 duplex receptacle 262726 LOOSE FURNISHINGS: N/A Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	or latex paint	099100	Illumination level: See Table 860	00- 6
LOOSE FURNISHINGS: N/A Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	or ration paint			
N/A Communications: N/A Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	LOOCE ELIDAHOLIINIOO		T duplox redeptable	202120
N/A <u>Electronic Safety and Security:</u> Life safety devices per code 283111 <u>Miscellaneous:</u>				
Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	N/A			
Life safety devices per code 283111 <u>Miscellaneous</u> :			N/A	
Life safety devices per code 283111 <u>Miscellaneous</u> :				
Life safety devices per code 283111 <u>Miscellaneous</u> :			Electronic Safety and Security:	
Miscellaneous:				202111
			Life safety devices per code	203111
N/A				
			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.

CHAPTER 6: HIGH SCHOOL



Space for refrigerated storage of perishable products

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: N/A SIZE: Based on 10% of the kitchen area

ANCILLARY SPACES: Part of the Kitchen

NOTES:

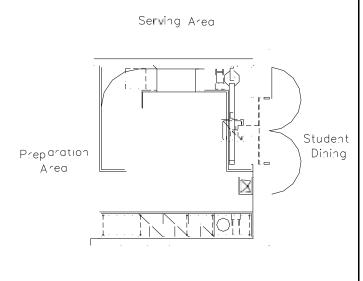
1. This is an example of a cooler/freezer. Food service equipment will vary from school district to school district.

KITCHEN - Cooler/Freezer H-FS-1d

H-FS-1d		CHAPTER 6: HIGH SCHOOL
FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	Spec. FEATURES¹: Ref.# Fixed Items:
Quarry tile or resinous flooring	093000 096723	Food service equipment 114000
Base: Quarry tile base or integral base	093000	<u>Fire Suppression:</u> Fire suppression system 211000
Ceiling: Manufactured insulated panel	114000	Plumbing: N/A
Walls: Manufactured insulated panel	114000	HVAC: Exhaust air system for compressors Div. 23
LOOSE FURNISHINGS: N/A		Electrical: Single level switching 262726 Fluorescent or LED lighting 265100 Illumination level: See Table 8600-6 Electrical connections to freezer/cooler refrigeration equipment 262726
		Communications: N/A
		Electronic Safety and Security: N/A
		Miscellaneous: 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.



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

SPATIAL RELATIONSHIPS:

· Adjacent to student dining

ENVIRONMENTAL CONSIDERATIONS:

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

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

NOTES:

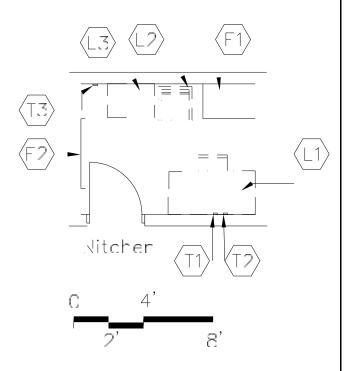
1. This is an example of a ware washing area. Food service equipment will vary from school district to school district.

KITCHEN - Ware Washing H-FS-1e

	CHAPTER 6: HIGH	SCHOOL
Spec. <u>Ref.#</u>	FEATURES ¹ :	Spec. Ref.#
093000 096723	Food service equipment	114000
093000	Fire Suppression: Fire suppression system	211000
095113	Plumbing: Lavatory Connections to food service	224000 224000
its /099100 093000 099100	HVAC: Supply/return air system	Div. 23
	Electrical: Dual level switching Fluorescent lighting Illumination level: See Table 860 1 duplex receptacle Connections to food service equipment	262726 265100 00- 6 262726
	Communications: Central sound system Electronic Safety and Security:	275123
	Life safety devices per code Miscellaneous: N/A	283111
	Ref.# 093000 096723 093000 095113 its /099100 093000	Pire Suppression: Fire Suppression: Fire Suppression system Plumbing: Lavatory Connections to food service equipment HVAC: Supply/return air system Independent temperature control Exhaust hood system Electrical: Dual level switching Fluorescent lighting Illumination level: See Table 860 1 duplex receptacle Connections to food service equipment Communications: Central sound system Electronic Safety and Security: Life safety devices per code Miscellaneous:

NOTES:

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



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

SPATIAL RELATIONSHIPS:

Adjacent to kitchen

ENVIRONMENTAL CONSIDERATIONS:

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

CAPACITY: 1 - 2 persons SIZE: 75 SF

ANCILLARY SPACES: Kitchen H-FS-1

NOTES:

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

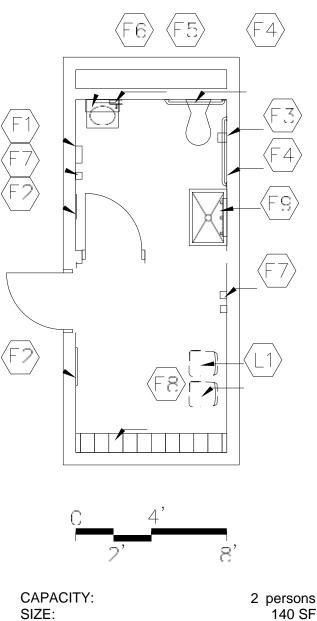
DIETICIAN'S OFFICE H-FS-2

FINISHES¹: Ref.# Flooring: Linoleum, ET, or sheet vinyl 096500 096500 flooring 096723 Base: Resilient base 096500 Option: Quarry tile 0 093000 flooring 095013 Base: Resilient base 096500 Option: Quarry tile 0 093000 Ceilling: Suspended, acoustical 095113 Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Cabinate Wastebasket Communications: T1 1 vioice port and phone 271513/273123 T2 1 data port near workstation 271513 T1 1 vioice port and phone 271513/273123 T2 1 data port near workstation 271513 T1 1 projector video port 1 271543 Central sound system 275123 Clock Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Interior window (optional) 123550 FEATURES¹: Fixed Items: Fire suppression: Fire uptrack board 101100 Publications Fire suppression: Fire sup			OTAL TER 0. TILO	10011002
FINISHES1: Ref.# Flooring: Chinoleum, ET, or sheet vinyl 096500 096516 Option: Quarry tile or resinous flooring 096723 Option: Quarry tile or resinous option: Quarry tile or resinous option: Quarry tile 096500 Option: Quarry tile 096500 Option: Quarry tile 093000 Option: Quarry tile		Spec.		Spec.
Flooring:	FINISHES1:		FEATURES1:	
Linoleum, ET, or sheet vinyl 096506 096516 Coption: Quarry tile or resinous flooring 096723 Pire Suppression: Fire suppression system 211000 Base: Resilient base 096500 Option: Quarry tile 093000 Ceiling: Suspended, acoustical 095113 Plumbing: N/A Ceiling: Suspended, acoustical 095113 Plumbing: N/A Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair Claim of the companies of the compani		<u> </u>		<u></u>
Option: Quarry tile or resinous flooring Base: Resilient base 096500 Option: Quarry tile 093000 Ceiling: Suspended, acoustical 095113 Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Wastebasket Fire Suppression: Fire suppression system 211000 Plumbing: N/A HVAC: Supply/return air system Div. 23 Independent temperature control (coupled with similarly loaded adjacent spaces) Electrical: Single level switching 265100 Illumination level: See Table 8600-6 4 duplex receptacles 262726 Double duplex receptacle adjacent to data and video port 262726 Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111	•	006500		122550
Option: Quarry tile or resinous flooring 093000 oper 23 fire Suppression: Fire suppression system 211000 Base: Resilient base 096500 Option: Quarry tile 093000 Ceiling: Suspended, acoustical 095113 option: Quarry tile 095113 option: Qu	Lindledin, LT, or sheet viriyi			
Fire Suppression: Fire suppression system Base: Resilient base 096500 Option: Quarry tile 093000 Ceiling: Suspended, acoustical 095113 Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271543 Central sound system 275123 Clock 283111 Miscellaneous:			FZ 4 OF TACK DOARD	101100
Base: Resilient base 096500 Option: Quarry tile 093000 Ceiling: Suspended, acoustical 095113 Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271513/27313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	Option: Quarry tile or resinous			
Base: Resilient base 096500 Option: Quarry tile 093000 Ceiling: Suspended, acoustical 095113 Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 275123 Clock 275313 Electroic Safety and Security: Life safety devices per code 283111 Miscellaneous:	flooring	096723	Fire Suppression:	
Resilient base O96500 Option: Quarry tile O93000 Ceiling: Suspended, acoustical O95113 Walls: Painted concrete masonry units O42000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 275132 Clock 275313 Electroic Safety and Security: Life safety devices per code 283111 Miscellaneous:			Fire suppression system	211000
Resilient base O96500 Option: Quarry tile O93000 Ceiling: Suspended, acoustical O95113 Walls: Painted concrete masonry units O42000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 275132 Clock 275313 Electroic Safety and Security: Life safety devices per code 283111 Miscellaneous:	Base:			
Option: Quarry tile 093000 Ceiling: Suspended, acoustical 095113 Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271543 Central sound system 275123 Clock 275313 Electroic Safety and Security: Life safety devices per code 283111 Miscellaneous:		096500	Plumbing:	
Ceiling: Suspended, acoustical 095113 Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271543 Central sound system 275123 Clock 275313 Electroic Supply/return air system Div. 23 Independent temperature control 230923 (coupled with similarly loaded adjacent spaces) Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 4 duplex receptacles 262726 Double duplex receptacle adjacent to data and video port 262726 Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271543 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:				
Suspended, acoustical 095113 Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271513 T3 1 projector video port 271513 Clock Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	Option. Quarry tile	093000	IN/A	
Suspended, acoustical 095113 Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 275123 Clock Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	~			
Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 2751323 Clock Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:				
Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271513 T3 1 projector video port 271513 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	Suspended, acoustical	095113	Supply/return air system	Div. 23
Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271513 T3 1 projector video port 271513 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:			Independent temperature control	230923
Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271543 Central sound system 275123 Clock 275313 Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 4 duplex receptacles 262726 Double duplex receptacle adjacent to data and video port 262726 Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271543 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	Walls:			
LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 275123 Clock 275313 Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 4 duplex receptacles 262726 Double duplex receptacle adjacent to data and video port 262726 Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:				
LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271543 Central sound system 275123 Clock 275313 Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 4 duplex receptacles 262726 Double duplex receptacle adjacent to data and video port 262726 Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271543 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:		000/000400	adjacent spaces)	
LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinet Wastebasket Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271543 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:	042	000/099100	Flootrical	
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L2 Visitor chair L3 File cabinet Wastebasket Communications:	LOOSE FURNISHINGS:			
L2 Visitor chair L3 File cabinet Wastebasket Communications:	L1 Desk and chair		Fluorescent lighting	265100
L3 File cabinet Wastebasket 4 duplex receptacles Double duplex receptacle adjacent to data and video port 262726 Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port Central sound system Clock 275313 Electronic Safety and Security: Life safety devices per code Miscellaneous:			Illumination level: See Table 86	600-6
Wastebasket Double duplex receptacle adjacent to data and video port 262726 Communications: T1 1 voice port and phone 271513/273123 T2 1 data port near workstation 271513 T3 1 projector video port 271543 Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous:				
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Life safety devices per code 283111 <u>Miscellaneous</u> :			Electronic Safety and Security:	
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			Miscellaneous:	
Interior window (optional) 081113/088000				/000000
			interior window (optional) 081113	5/088000

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.

CHAPTER 6: HIGH SCHOOL



• Personal and health needs for food service

SPATIAL RELATIONSHIPS:

· Adjacent to kitchen

ENVIRONMENTAL CONSIDERATIONS:

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

ANCILLARY SPACES:

NOTES:

SIZE:

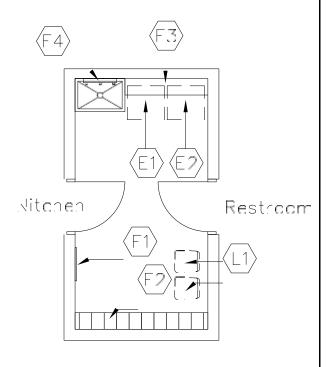
RESTROOM / LOCKER ROOM H-FS-3

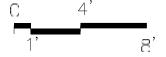
	Spec.		Spec.
FINISHES ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Flooring:		Fixed Items:	
<u> </u>	096516	F1 Towel dispenser	102813
ET, sheet vinyl,			
	096500	F2 2, 24" x 60" mirrors	102813
Optional: quarry tile, resinous	093000	F3 Toilet tissue holder	102813
flooring	096723	F4 36" and 42" grab bar	102813
J		F5 Soap dispenser	102813
Base:		F6 Mirror with shelf above sink(optional)	
	000500	F7 Coat hooks	
Resilient base	096500		102813
Optional: quarry tile, or	093000	F8 Lockers 12" x 12" x 60"	105113
integral vinyl cove base,	096723	F9 Mop holder	102813
integral resinous			
g		Fire Suppression:	
Ceiling:		Fire suppression system	211000
	095113	The supplession system	211000
Suspended, acoustical	095113	Dhamah in an	
		Plumbing:	
Walls:		Wall-mounted water closet	224000
Painted concrete masonry units		Wall-mounted lavatory	224000
	00/099100	Floor service sink	224000
0.20	00,000.00	Plumbing connections	
LOOCE ELIDNICHINGO		224000/22111	6/221110
LOOSE FURNISHINGS:		224000/22111	0/221119
L1 Chairs			
Wastebasket		<u>HVAC</u> :	
		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		Electrical:	
			262726
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 86	600- 6
		2 duplex receptacles	262726
		, ,	
		Communications:	
			275122
		Central sound system	275123
		Electronic Safety and Security:	
		Life safety devices per code	283111
		•	
		Miscellaneous:	
		N/A	
		13// 1	

CHAPTER 6: HIGH SCHOOL

NOTES:

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





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

PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- Adjacent to kitchen
- Adjacent to restroom

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

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

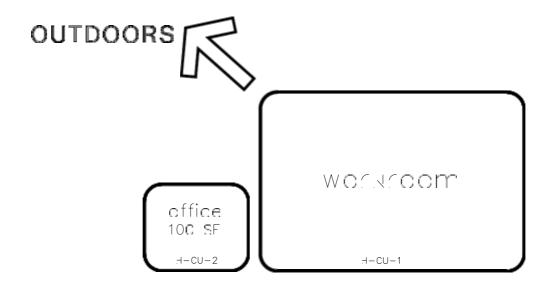
LOCKER ROOM H-FS-4

FINISHES¹: Ref.# Flooring: Sheet vinyl, rubber, rubber tile, or 095001 resinous flooring 096500 resinous flooring 096500 or integral vinyl cove base 096723 Base: Resilient base, resinous flooring, or integral vinyl cove base 096723 Ceiling: Suspended, acoustical with high-impact, hold-down clips 095113 Option: exposed, painted pre-cast units Painted concrete masonry units 042000/099100 Walls: Painted concrete masonry units Wastebasket EQUIPMENT: E1 Washer E2 Dryer EQUIPMENT: E2 Dryer ECOURE FURNISHINGS: L1 Chairs Wastebasket EQUIPMENT: E1 Washer E2 Dryer E1 Communications: Central sound system 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Connections or washer and dryer 262726 Connections Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if required by governing agency.				
FINISHES1: Ref.# Flooring: Sheet vinyl, rubber, rubber tile, or resinous flooring 102813 Fixed Items:		Spec.		Spec.
Flooring: Sheet vinyl, rubber, rubber tile, or resinous flooring resinous flooring 096703 Base: Resilient base, resinous flooring, or integral vinyl cove base or integral vinyl cove base 096723 Ceilling: Suspended, acoustical with high-impact, hold-down clips 095113 Option: exposed, painted pre-cast units 099100 Walls: Painted concrete masonry units Painted concrete masonry units UCOSE FURNISHINGS: L1 Chairs Wastebasket EQUIPMENT: E1 Washer E2 Dryer Fixed Items: 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 Fire Suppression: Fire Sup	FINICHEC1.		EEATUDEO1.	•
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Sheet vinyl, rubber, rubber tile, or resinous flooring resinous flooring resinous flooring resinous flooring resinous flooring or integral vinyl cove base or shelf (optional) 123550 in 102813 F1	Flooring:		Fixed Items:	
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Base: Resilient base, resinous flooring, one or integral vinyl cove base or integral vinyl cove base or integral vinyl cove base of integral v	resinous flooring	096723	F2 Lockers 12" x 12" x 60"	105113
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EQUIPMENT: E1 Washer E2 Dryer Single level switching 265100 Fluorescent lighting 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Connections for washer and dryer 262726 Communications: Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			Flectrical:	
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Fluorescent lighting 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Connections for washer and dryer 262726 Communications: Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if	EQUIPMENT:		Single level switching	262726
Illumination level: See Table 8600-6 1 duplex receptacle 262726 Connections for washer and dryer 262726 Communications: Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			Fluorescent lighting	265100
1 duplex receptacle 262726 Connections for washer and dryer 262726 Communications: Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if	E1 wasner			
1 duplex receptacle 262726 Connections for washer and dryer 262726 Communications: Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if	F2 Dryer		Illumination level: See Table 8600)- 6
Connections for washer and dryer 262726 Communications: Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if	LL D1901		1 dunley recentacle	262726
Communications: Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if				
Communications: Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			Connections for washer and dryer 2	62726
Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			•	
Central sound system 275123 Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			0	
Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			Communications:	
Clock 275313 Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			Central sound system	275123
Electronic Safety and Security: Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if				
Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			Clock	2/5313
Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if				
Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			Floring to Outre 10 15	
Life safety devices per code 283111 Miscellaneous: Provide storage cabinet for supplies if			Electronic Safety and Security:	
Miscellaneous: Provide storage cabinet for supplies if			Life safety devices per code	283111
Provide storage cabinet for supplies if			Life salety devices per code	200111
Provide storage cabinet for supplies if				
Provide storage cabinet for supplies if			Miscellaneous:	
			Provide storage cabinet for supplies	if
required by governing agency.				
			required by governing agency.	

NOTES:

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

CHAPTER 6: HIGH SCHOOL



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.

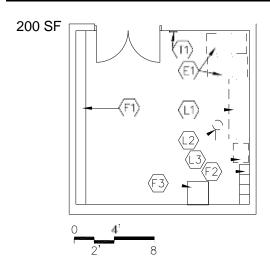
Following are the Custodial space plates:

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

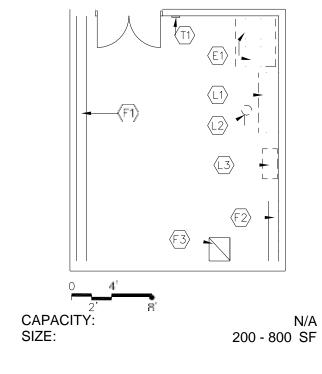
CUSTODIAL	SPACES
H-C U	

CHAPTER 6: HIGH SCHOOL

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400 SF



PROGRAM ACTIVITIES:

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

SPATIAL RELATIONSHIPS:

- · Near central storage area
- · Near custodial office

ENVIRONMENTAL CONSIDERATIONS: N/A

NOTES:

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

WORKROOM H-CU-1

H-CU-1	CHAPTER 6: HIGH SCHOOL
FINISHES¹: Ref.# Flooring: 033000	Spec. FEATURES ¹ : Fixed Items ² : F1 10' - 24' of open shelving,
polished concrete finishing, or 033510 colored concrete finishing 033519	depths can vary (fixed or loose) 123550 F2 4 - 6 lockers 105113 F3 Mop holder 102813
Base: Resilient base 096500	Fire Suppression: Fire suppression system 211000
Ceiling: Suspended, acoustical 095113	Plumbing: Floor service sink 224000
Walls: Painted concrete masonry units 042000/099100 LOOSE FURNISHINGS:	HVAC: Supply/return air system Div. 23 Independent temperature control 230923
L1 Workbench L2 Stool L3 Tool cabinet Waste receptacles EQUIPMENT: E1 Recycling bins	Electrical: Fluorescent lighting 265100 Illumination level: See Table 8600-6 Single level switching 262726 4 duplex receptacles (minimum) 262726 Electrical receptacles for custodial equipment 262726
	Communications: T1 1 voice port and phone Central sound system Clock Clock Communications: 271513/273123 275313
	Electronic Safety and Security: Life safety devices per code 283111
	Miscellaneous: N/A

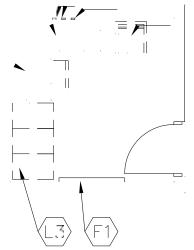
NOTES:

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

100 SF







CAPACITY: N/A SIZE: 100 - 400 SF

PROGRAM ACTIVITIES:

 Office for the custodian for scheduling, ordering, and inventory

SPATIAL RELATIONSHIPS:

• Near custodial workroom

ENVIRONMENTAL CONSIDERATIONS:

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

NOTES:

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

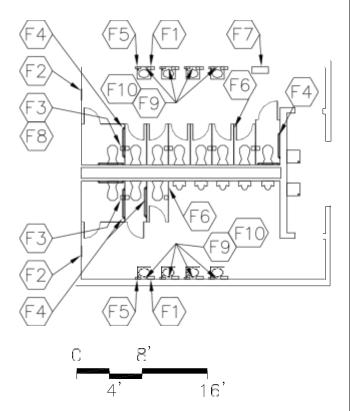
CUSTODIAL OFFICE

H-CU-2	CHAPTER 6: HIGH SCHOOL		
FINISHES ¹ :	Spec. Ref.#	FEATURES ¹ :	Spec. Ref.#
Flooring: Linoleum, ET, sheet vinyl, or	096516 096500	Fixed Items: F1 4' of tack board (optional)	101100
resinous flooring, polished concrete finishing, or colored concrete finishing	096723	Fire Suppression: Fire suppression system	211000
Base: Resilient base	096500	Plumbing: N/A	
Ceiling: Suspended, acoustical Walls:	095113	HVAC: Supply/return air system Independent temperature control (coupled with similarly loaded adjacent spaces)	Div. 23 230923
Painted concrete masonry units 04200 LOOSE FURNISHINGS: L1 Desk and chair L2 Visitor chair L3 File cabinets L4 Computer desk return Wastebasket	0/099100	T3 1 data port near workstation Central sound system Clock Electronic Safety and Security: Life safety devices per code Miscellaneous:	262726

NOTES:

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

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



PROGRAM ACTIVITIES

Personal and health needs for the general public

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

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

NOTES:

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

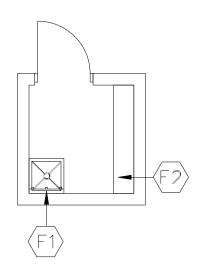
LARGE GROUP RESTROOMS H-BS-1

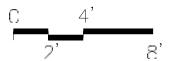
П-DO-1		CHAPTER 6: HIL	3H SCHOOL
	Spec.		Spec.
FINISHES ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Flooring:	<u>1101111</u>	Fixed Items:	<u> </u>
Ceramic mosaic tile	093000	F1 Towel dispensers	102813
Optional: porcelain tile,	093000	F2 24" x 60" mirror	102813
• •			
rubber, resinous flooring,	096723	F3 Toilet tissue holders	102813
or unbacked sheet vinyl	096500 with	F4 36" and 42" grab bar	102813
welded seams		F5 Soap dispensers	102813
		F6 Toilet partitions	102113
Base:		F7 Sanitary product dispenser	102813
Ceramic mosaic tile base	093000	F8 Sanitary product receptacles	102813
Optional: structural glazed tile,	096616	F9 16" x 24" mirrors with shelf (option	al)102813
porcelain tile base,	093000	F10 Shelves (optional)	[^] 123550
resinous flooring, or	096723	Community	0000
integral vinyl base	096500	Fire Suppression:	
integral villyi base	030300	Fire suppression system	211000
Cailing		i ile suppression system	211000
Ceiling:	005440	Diumbina	
Suspended, acoustical	095113	Plumbing:	004000
Option: Abuse resistant		Wall-mounted water closets	224000
gypsum wallboard	092116	Wall-mounted urinals	224000
		Wall-mounted lavatories	224000
Walls:		or wash fountains	
Painted concrete masonry unit		Wall hydrants	224000
	2000/099100	Plumbing connections	
		224000/22111	16/221119
LOOSE FURNISHINGS:		Floor drains	Div. 22
		Drinking water cooler	224000
Waste Receptacles		Difficing water cooler	224000
		HV/AC:	
		HVAC:	D:
		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8	600- 5
		1 duplex receptacle	262726
		Emergency lighting	265100
		Emergency lighting	200100
		Communications:	
			075400
		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.
- 2. Optional: electric hand dryers

CHAPTER 6: HIGH SCHOOL





• Space for storage of custodial supplies throughout the building

SPATIAL RELATIONSHIPS:

• Near large group restrooms

ENVIRONMENTAL CONSIDERATIONS:

CAPACITY: N/A SIZE: 50 SF

CUSTODIAL CLOSET H-BS-2

CHAPTER 6: HIGH SCHOOL Spec.

	Spec.		Spec.
<u>FINISHES</u> 1:	Ref.#	<u>FEATURES</u> 1:	Ref.#
Flooring:		Fixed Items:	
Sealed concrete	033000	F1 Mop holder	102813
		F2 Fixed or loose shelving (optional)	123550
Base:			
Resilient base	096500	Fire Suppression:	
		Fire suppression system	211000
Ceiling:		, ,	
Cleanable, suspended, acoustical	095113	Plumbing:	
, , ,		Service sink or floor drain sink	224000
Walls:		Plumbing connections	224000
Painted concrete masonry units		224000/22111	6/221110
•	0/099100	224000/22111	0/221110
		HVAC:	
LOOSE FURNISHINGS:		Exhaust air system	Div. 23
Shelving (optional)		Exhaust all system	DIV. 20
Cherring (optional)		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 8600-6	

Communications:

N/A

Electronic Safety and Security:

1 duplex receptacle

N/A

Miscellaneous:

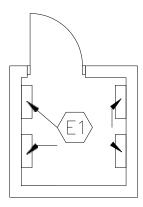
N/A

NOTES:

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

262726

Space to be determined by Design Professional.



C 4'

CAPACITY: SIZE:

N/A 50 SF PROGRAM ACTIVITIES:

• Space for electrical wiring and panels

SPATIAL RELATIONSHIPS: N/A

ENVIRONMENTAL CONSIDERATIONS: N/A

ELECTRICAL CLOSET H-BS-3

CHAPTER 6: HIGH SCHOOL

Spec. FINISHES¹: Ref.#

Flooring:

Sealed concrete 033000

Base:

No base

Ceiling:

Exposed structure

Walls:

Unpainted concrete masonry units 042000

LOOSE FURNISHINGS:

N/A

Spec. FEATURES1: Ref.#

Fixed Items:

N/A

Fire Suppression:

Fire suppression system 211000

Plumbing:

N/A

HVAC:

To be determined by Design Professional

Electrical:

Single level switching 262726 Fluorescent lighting 265100

Illumination level: See Table 8600-6

1 duplex receptacle 262726

1 duplex receptable
E1 Electrical switchboard 262413/262416

Communications:

N/A

Electronic Safety and Security:

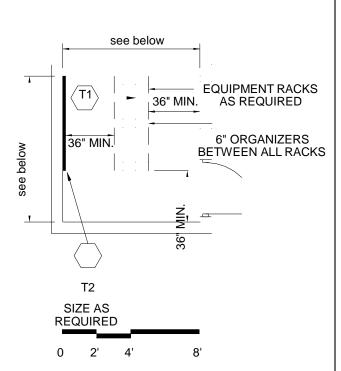
N/A

Miscellaneous:

N/A

NOTES:

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



Space for technology needs

SPATIAL RELATIONSHIPS: N/A

ENVIRONMENTAL CONSIDERATIONS:

CAPACITY:

N/A

SIZE:

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

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

TR Serving Zone of < 96 ports:

minimum 8 ft. x 8 ft.

- 1. This is an example of a telecommunications room. The equipment and layout will vary from school district to school district.
- 2. Verify and coordinate TR quantity, size and location with technology designer during programming phase.

3. Multiple TR's may be required.

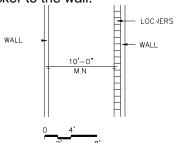
TELECOMMUNICATIONS ROOM H-BS-4

H-BS-4		CHAPTER 6: HIGH SCHOOL
FINISHES¹: R Flooring: Sealed concrete, 033	Spec. Ref.# 3000 3510	Spec. FEATURES¹: Ref.# Fixed Items: N/A
	3510	Fire Suppression: Fire suppression system 211000
Base:		,,
No base		Plumbing: N/A
Ceiling:		
Exposed structure Walls:		HVAC: Cooling and Exhaust air system Div. 23
Unpainted concrete masonry units 042	2000	Floatrical
LOOSE FURNISHINGS N/A	.000	Electrical: Single level switching 262726 Fluorescent lighting 265100 Illumination level: See Table 8600-6 1 duplex receptacle 262726 Receptacles for data equipment 262726 Telecommunications Grounding 270526/260526 Standby power 263213/263600
		Communications: T1 Technology equipment Central sound system 275123 Telephone Wiring 271313/271513 Integrated Telephone System 273123 Video Wiring 271543 Digital on Demand Delivery System 274125 Local Area Network Wiring 271513/271323 Local Area Network Electronics 272100/273123 Grounding & Infrastructure Equipment 270526/271100 T2 3/4" plywood back board 271313 Electronic Safety and Security: Security System 281300/281600/282300 Miscellaneous: N/A

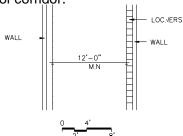
NOTES:

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

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



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



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

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

PROGRAM ACTIVITIES:

Circulation space

SPATIAL RELATIONSHIPS: N/A

ENVIRONMENTAL CONSIDERATIONS:

VESTIBULES

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

CORRIDORS H-BS-5

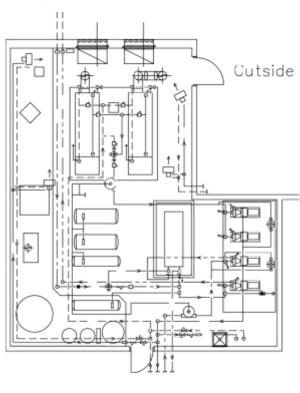
п - ро-э		CHAPTER 6: HIGH	TOCHOOL
	Spec.		Spec.
EINICHEC1.	•	EEATUDEO1.	•
FINISHES ¹ :	Ref.#	FEATURES ¹ :	Ref.#
Flooring ² :		Fixed Items:	
Linoleum, ET, sheet vinyl,	096516	Corridor lockers	105113
Carpet, carpet tile, rubber,	096500	Fire extinguishers and cabinets	104400
polished concrete finishing,	096816	Recessed vinyl floor mats or	
	096813	surface mats	124813
or colored concrete finishing			
	033510	Tack board or tackable wall surface	3 101100
	033519		
		Fire Suppression:	
Base:		N/A	
Resilient base	096500		
Optional: structural glazed tile	042000	Plumbing:	
Optional. Structural glazed tile	042000		224000
0 111		Drinking water coolers	224000
Ceiling:			
Suspended, acoustical	095113	<u>HVAC</u> :	
Option in vestibules: Abuse resista	nt	Supply/return air system	Div. 23
gypsum wallboard	092116	Temperature control from	
971		adjacent instructional spaces	
Walls:		adjacent instructional spaces	230923
		Flootical	230923
Painted concrete masonry units	- / /	Electrical:	
04200	0/099100	Dual level switching	262726
		Fluorescent lighting	265100
LOOSE FURNISHINGS:		Illumination level: See Table 860	0- 6
Recycling bins and waste receptac	les	Duplex receptacles	262726
Fixed or loose benches	100	Double duplex receptacle adjacent to	
Tixed of loose periones		each video port	262726
		Means of egress lighting per code	265100
NOTE: At entries adjacent to dining/ co	ommons	Emergency lighting	265100
area, match dining/commons flooring.			
		Communications:	
		Video ports	271543
		Data ports	271523
			3/273113
		Central sound system	275123
		Clocks	
			275313
		Wireless access points	
		271523/27210	0/272133
		Electronic Safety and Security:	
		Life safety devices per code	283111
		Security System 281300/281600	
		Occurry Cystern 201300/201000	<i>31202300</i>
		Missellanseus	
		Miscellaneous:	
		Display cases and Directory	

NOTES:

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

CHAPTER 6: HIGH SCHOOL

Space to be determined by Design Professional.



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

PROGRAM ACTIVITIES:

 Space for mechanical and electrical equipment

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

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

- 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

FINISHES¹: Spec. Ref.#

Sealed concrete 033000

Base:

No base

Ceiling:

Exposed structure

Walls: (note 2)

Unpainted concrete masonry units 042000

LOOSE FURNISHINGS:

N/A

Spec. Ref.#

FEATURES¹: Fixed Items:

To be determined by Design Professional

Fire Suppression:

To be determined by Design Professional

Plumbing:

To be determined by Design Professional

HVAC:

To be determined by Design Professional

Electrical:

Single level switching 262726
Fluorescent lighting 265100
Illumination level: See Table 8600-6
Others as determined by Design Professional

Communications:

Central sound system 275123 Voice port and phone 271513/**273123**

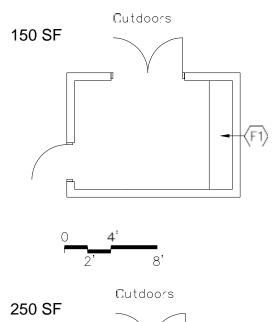
Electronic Safety and Security:

To be determined by Design Professional

Miscellaneous:

N/A

- 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.

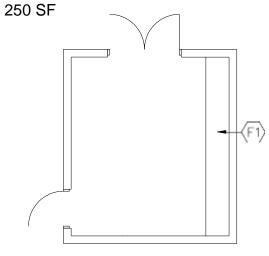


• Space for storage of outdoor custodial equipment

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS: N/A



CAPACITY: SIZE:

N/A 150 - 500 SF

STORAGE AREA

H-BS-7 CHAPTER 6: HIGH SCHOOL

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

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

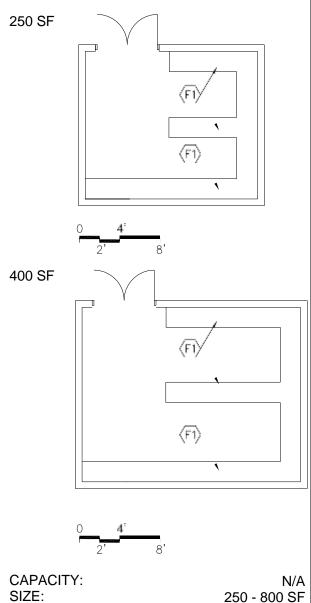
 Storage for paper products, utensils, supplies, etc., to be used throughout the entire building

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS:

Space to be determined by Design Professional.



CENTRAL STORAGE AREA H-BS-8

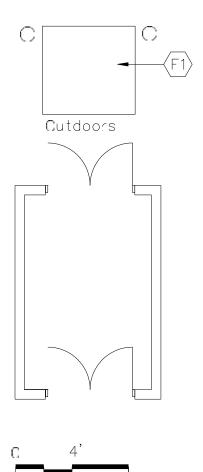
FINISHES ¹ : Flooring:	Spec. <u>Ref.#</u>	<u>FEATURES</u> ¹ : Fixed Items ² :	Spec. <u>Ref.#</u>
Sealed concrete	033000	F1 26' - 32' of open shelving (total), depths may vary (fixed or loose)	123550
Base: No base		Option: mobile storage shelving	105626
Ceiling: Exposed structure Walls:		Fire Suppression: Fire suppression system Plumbing: N/A	211000
Unpainted concrete mass LOOSE FURNISHINGS: N/A	sonry units 042000	HVAC: Exhaust air system Supplemental heat as required	Div. 23 Div. 23
		Electrical: Single level switching Fluorescent lighting Illumination level: See Table 86 Duplex receptacles	262726 265100 600- 6 262726
		Communications: N/A Electronic Safety and Security: Life safety devices per code	283111
		Miscellaneous: N/A	200111

NOTES:

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

CHAPTER 6: HIGH SCHOOL

Recycling space to be determined by Design Professional.



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:

SIZE:

CAPACITY:

N/A

120 SF

LOADING/RECEIVING AREA H-BS-9

	Spec.		Spec.
FINISHES ¹ :	Ref.#	<u>FEATURES</u> 1:	Ref.#
Flooring:		Fixed Items:	
Sealed concrete	033000	F1 Loading dock leveler	
		and dock bumpers	111300

Base:

No base

Ceiling:

Exposed structure

Walls:

Epoxy-painted concrete masonry units

042000 / 099100

LOOSE FURNISHINGS

N/A

Fire Suppression:

Fire suppression system 211000

CHAPTER 6: HIGH SCHOOL

Plumbing: N/A

HVAC:

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

Electrical:

Single level switching 262726
Fluorescent lighting 265100
Illumination level: See Table 8600-6
Duplex receptacles 262726

Communications:

Central sound system 275123

Electronic Safety and Security:

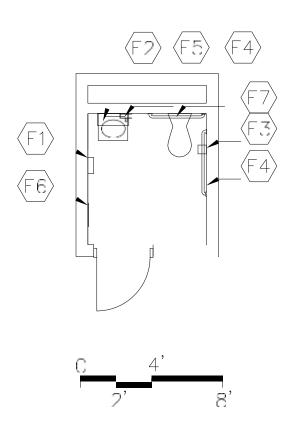
N/A

Miscellaneous:

N/A

NOTES:

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



Personal and health needs for the building occupants

SPATIAL RELATIONSHIPS:

• Near academic area

ENVIRONMENTAL CONSIDERATIONS:

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

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

ANCILLARY SPACES:

NOTES:

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

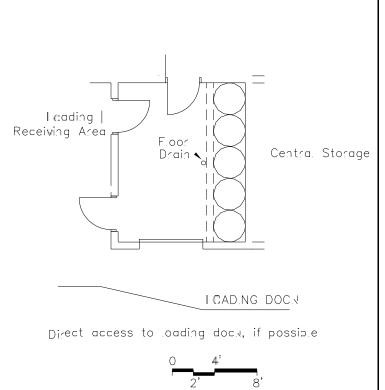
RESTROOM H-BS-10

	_		
	Spec.		Spec.
FINISHES1:	Ref.#	FEATURES ¹ :	Ref.#
Flooring:	<u> </u>	Fixed Items:	<u> </u>
	000500		100010
ET, or sheet vinyl	096500	F1 Towel dispenser	102813
Optional: quarry tile, or	093000	F2 Mirror with shelf above sink(optional)) 102813
resinous flooring	096723	F3 Toilet tissue holder	102813
roome de neering	000.20	F4 36" and 42" grab bar	102813
D			
Base:		F5 Soap dispenser	102813
Resilient base	096500	F6 Sanitary product dispenser	102813
Optional: quarry tile, resinous	093000	F7 Sanitary product receptacle	102813
flooring, or integral vinyl cove ba		r r camany product receptations	.0_0.0
nooning, or integral viriyi cove ba	SE 090723	Eiro Cupproccion:	
		Fire Suppression:	044000
Ceiling:		Fire suppression system	211000
Suspended, acoustical	095113		
		Plumbing:	
\\/-II-		Wall-mounted water closet	224000
Walls:			
Painted concrete masonry units		Wall-mounted lavatory	224000
042	000/099100	Plumbing connections	
		224000/22111	6/221119
LOOGE ELIDAHOLHAGO.			
LOOSE FURNISHINGS:		11)/40.	
Wastebasket		HVAC:	
		Exhaust air system	Div. 23
		Supplemental heat as required	Div. 23
		Flactrical	
		Electrical:	
		Single level switching	262726
		Fluorescent lighting	265100
		Illumination level: See Table 86	:00- 5
			262726
		1 duplex receptacle	202720
		Communications:	
		Central sound system	275123
		contrai count cyclom	2.0.20
		Electronic Safety and Security:	
			000444
		Life safety devices per code	283111
		Miscellaneous:	
		N/A	
		I N/ / \	

NOTES:

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

CHAPTER 6: HIGH SCHOOL



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

SPATIAL RELATIONSHIPS:

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

ENVIRONMENTAL CONSIDERATIONS: N/A

MISCELLANEOUS:

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

CAPACITY: N/A SIZE: 80 - 160 SF

NOTES:

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

RECYCLING ROOM H-BS-11

CHAPTER 6: HIGH SCHOOL

Spec. FINISHES1: Ref.#

Flooring:

Sealed concrete 033000

Base:

No base

Ceiling:

Exposed structure

Walls:

Epoxy-painted concrete masonry units

042000 / 099100

LOOSE FURNISHINGS

N/A

FEATURES¹: Spec. Ref.#

Fixed Items:

Fire Suppression:

Fire suppression system 211000

Plumbing:

Floor drain

HVAC:

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

Electrical:

Single level switching 262726
Fluorescent lighting 265100
Illumination level: See Table 8600-6
Duplex receptacles 262726

Communications:

N/A

Electronic Safety and Security:

N/A

Miscellaneous:

N/A

NOTES:

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