Bureau of Indian Affairs

Office of Facilities Management and Construction

SCHOOL FACILITIES SPACE TEMPLATES

March 30, 2007

BUREAU OF INDIAN AFFAIRS
SCHOOL FACILITIES SPACE TEMPLATES

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A1000-1. General

1.1. The spatial relationship diagrams, space templates, and criteria checklists in this volume provide Designers of Record with the specific diagrammatic and programmatic information needed to design specific spaces for Bureau of Indian Education schools.

A1000-2. Spatial Relationship Diagrams

2.1. The spatial relationship diagrams in this chapter show possible arrangements for the various functional areas of a school or dormitory. These diagrams are meant only to demonstrate broad relationships between the parts of a building.

2.2. In addition to these overall building diagrams, there are program area diagrams where appropriate in each section of the following chapters. These diagrams demonstrate how the specific spaces within a program area may relate both to one another and to adjacent program areas.

A1000-3. Facility Space Templates

3.1. At the beginning of each section of Chapters 2 through 15 are facility space templates for each type of space within the Bureau of Indian Education educational program. Each space template includes a floor plan that illustrates the layout of a space and provides additional information concerning net square footages (within the walls of the room), loose furnishings, casework, plumbing, and technical systems.

3.2. These space templates show how some of the features and loose furnishings in classrooms and other areas may be organized, and shall be used as diagrammed unless noted otherwise on the space template. However, as building designs are developed, there will be instances in which a given template layout does not work within the geometry of the school design. In such cases, the layout may be modified. In general, however, modification of the space template layouts is not acceptable.

3.3. The loose furnishings shown on the space templates do not necessarily include all furniture options, nor do they mandate the inclusion of furnishings that may not be needed in a particular school facility. Rather, they provide a general concept of how a particular space could be furnished.

A1000-4. Space Criteria Checklist

4.1. Following each space template is a criteria checklist that provides detailed information about standard requirements within the space and allows for the addition of further project-specific requirements. The following topics are addressed:

4.1.1. ***Space Description*.** Identifies the main program space and any ancillary spaces within it. Each space is numbered, and the checklist criteria are keyed to these numbers.

4.1.2. ***Daily Occupancy Use*.** Shows when a particular space will be used and whether it will require after-hours access.

4.1.3. ***Environmental Conditions.*** Notes HVAC/environmental requirements specific to the space.

4.1.4. ***Plumbing.*** Notes plumbing requirements specific to the space.

4.1.5. ***Acoustical Conditions.*** Describes the acoustical environment of the space.

4.1.6. ***Electrical/Lighting.*** Notes electrical and lighting requirements specific to the space.

4.1.7. ***Communications/IT Requirements.*** Notes communications/information technology requirements specific to the space.

4.1.8. ***Safety/Security.*** Notes safety and security needs specific to the space.

4.1.9. ***Fixed Furnishings/Equipment.*** Provides guidelines for fixed furnishings, millwork, and other equipment generally used in this type of space. However, these items, as well as visual display boards, should reflect the needs of the individual school; the information given here is not intended to mandate casework or equipment that may not be needed by a particular school. Also, if appropriate, some items listed as fixed furnishings or casework could be mobile casework or loose furnishings. The design and layout of the casework is the responsibility of the Designer of Record, based on the needs of the individual school. Modifications may be made to the fixed furnishings and casework to accommodate particular educational requirements as long as those modifications do not result in additional linear footage of casework.

4.1.10. ***Interior Finishes.*** Lists the acceptable finishes for walls, base, floors, and ceilings from which the design team may select. If doors and windows are required in the space, specialized information for them is also provided.

4.1.11. ***Structural Requirements.*** The structural requirements given in this part include only those requirements within the space that are beyond the typical structural framing and design of the school facility, such as special floor loading requirements, special loading requirements of the overhead structure, etc.

4.1.12. ***Signage Requirements.*** Notes specific signage systems needs and considerations.

4.1.13. ***Fire Protection System.*** Notes fire protection requirements specific to the space.

4.1.14. ***Program Activities.*** Indicates the type of activities that may occur in the space. These activities will vary from school to school depending on the school grade level configuration, size, and educational program offerings.

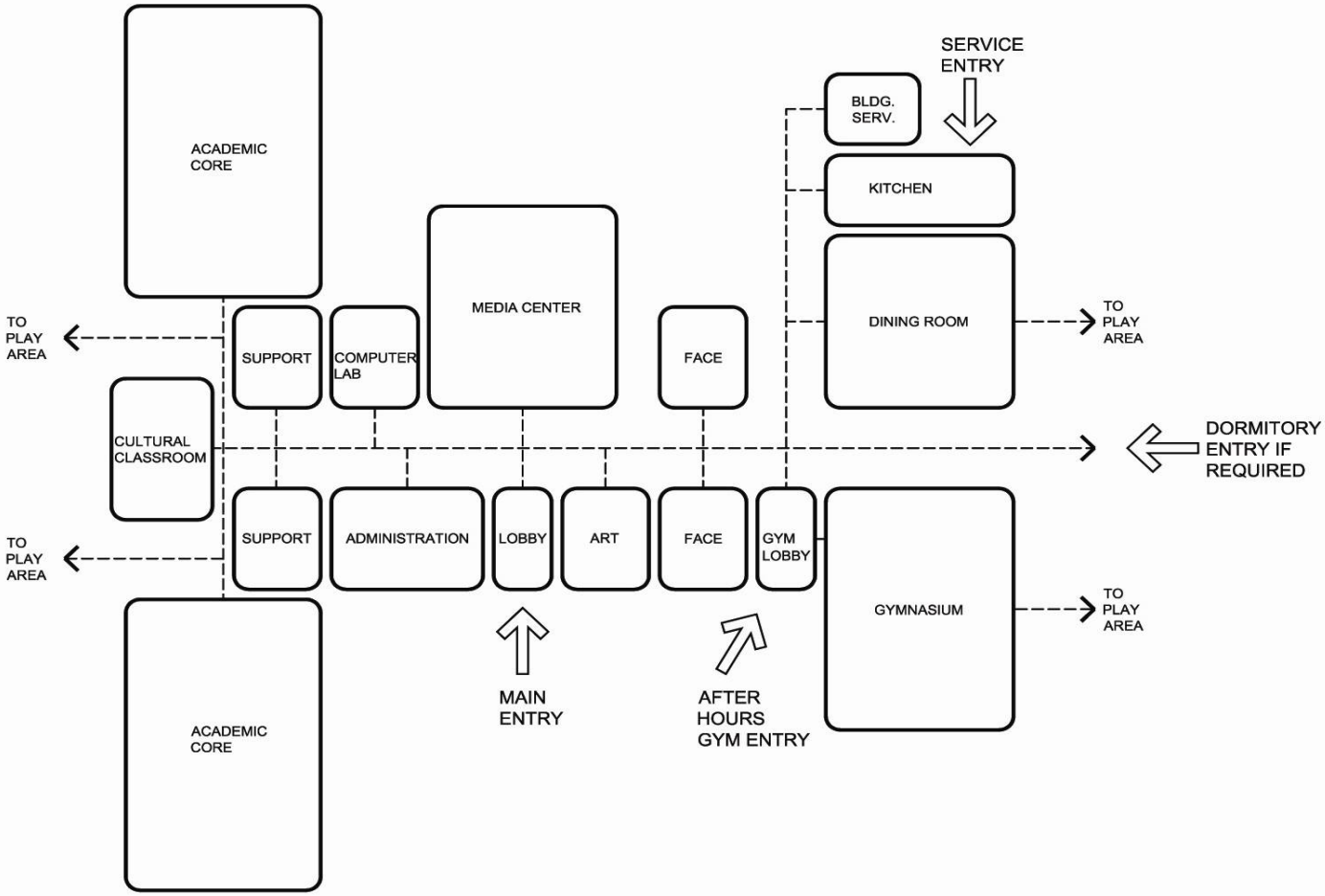
4.1.15. ***Notes.*** Provides additional information, where needed, pertaining to requirements noted in the space criteria.

4.1.16. ***Key Space Design and Relationship Concepts.*** Notes special considerations pertaining to the placement of the space.

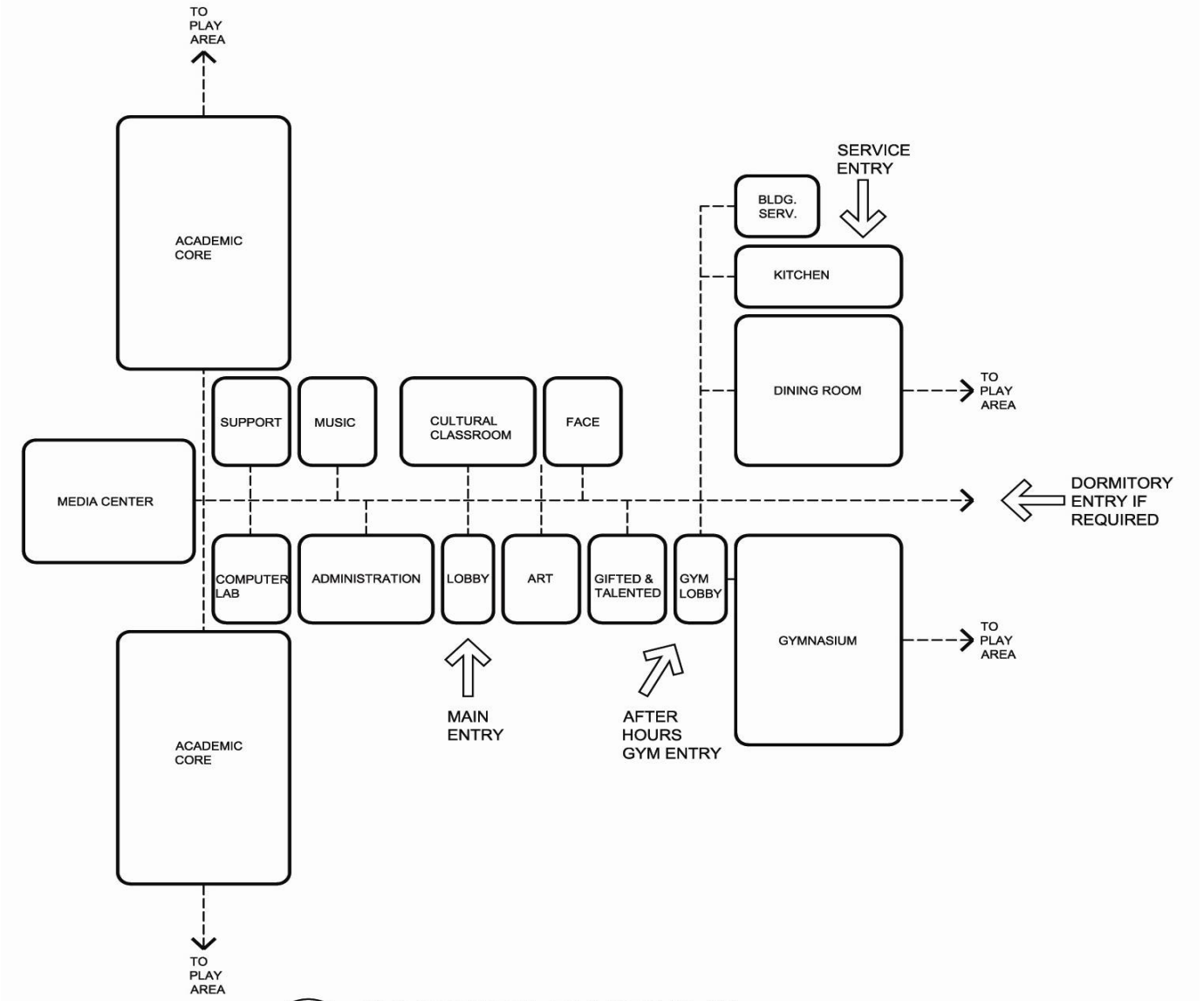
4.1.17. ***Spatial Relationship Diagram.*** This shows the broad spatial relationship between areas within the program space and, where pertinent, between those areas and adjacent program spaces.

A1000-5. Standard Mounting Heights

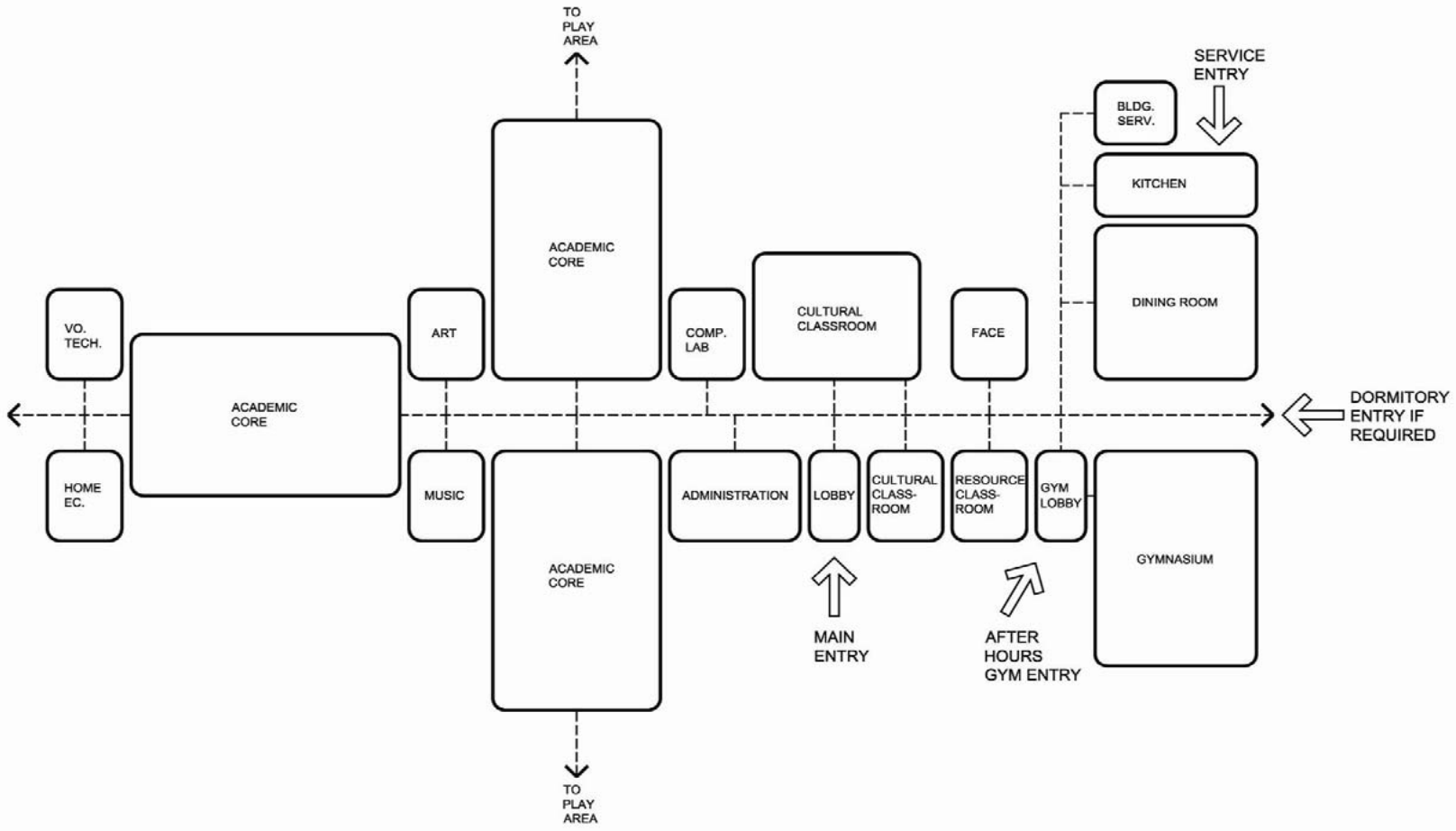
5.1. The final chapter of this volume contains diagrammatic information about standard mounting heights for casework, plumbing fixtures, and toilet accessories.



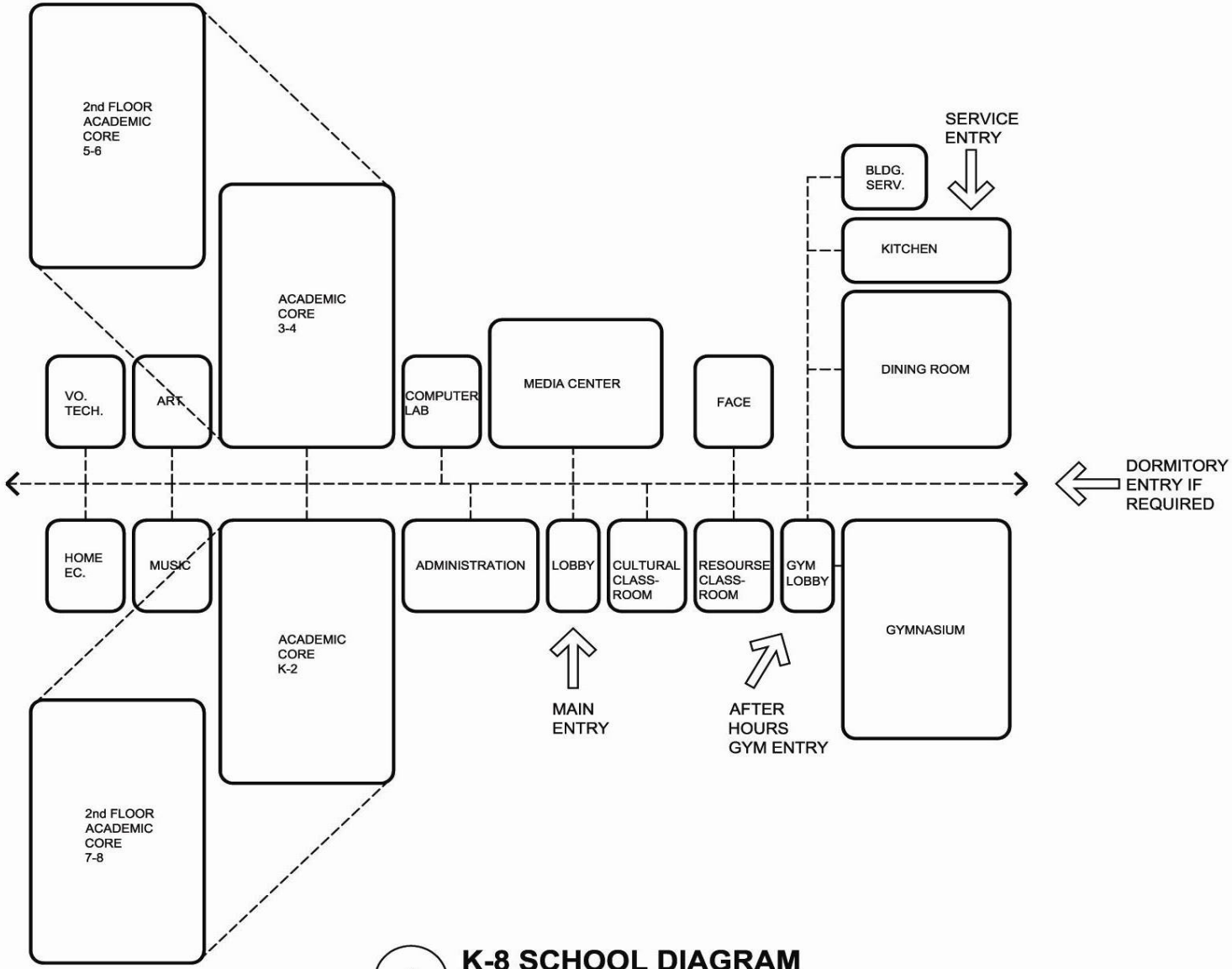
1 K-6 SCHOOL DIAGRAM #1



1 K-6 SCHOOL DIAGRAM #2

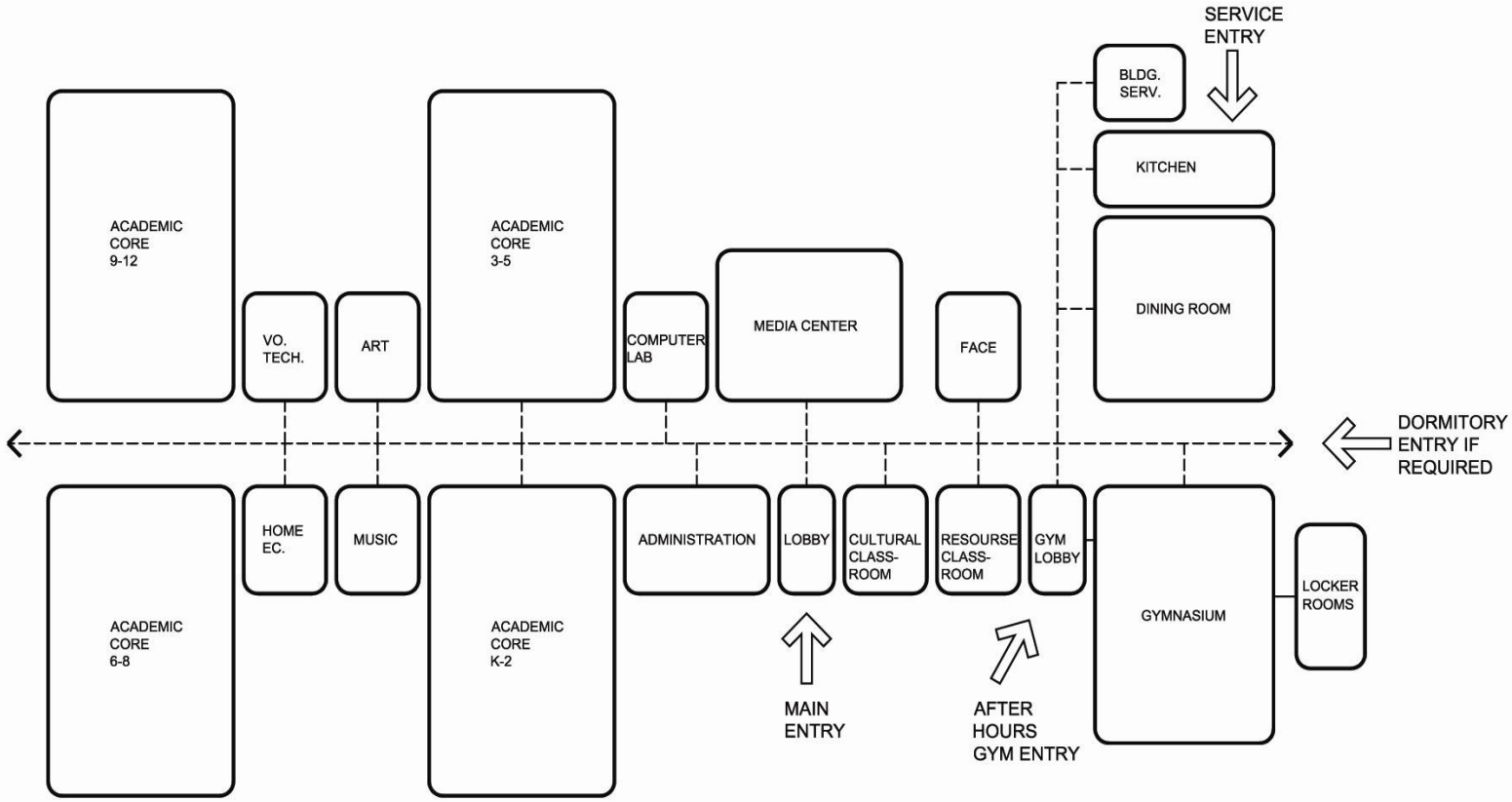


1 **K-8 SCHOOL DIAGRAM**
SINGLE STORY BUILDING



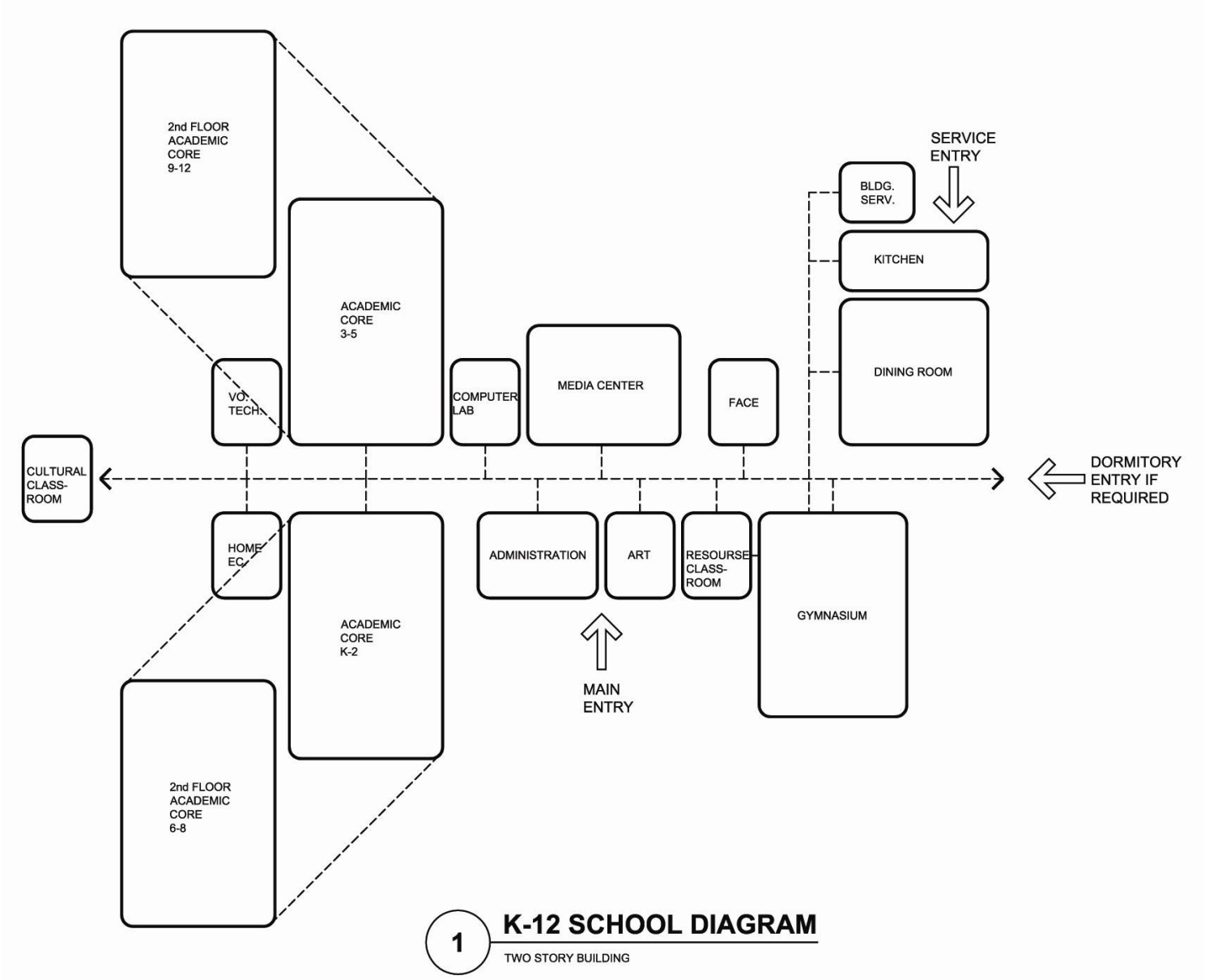
1 **K-8 SCHOOL DIAGRAM**

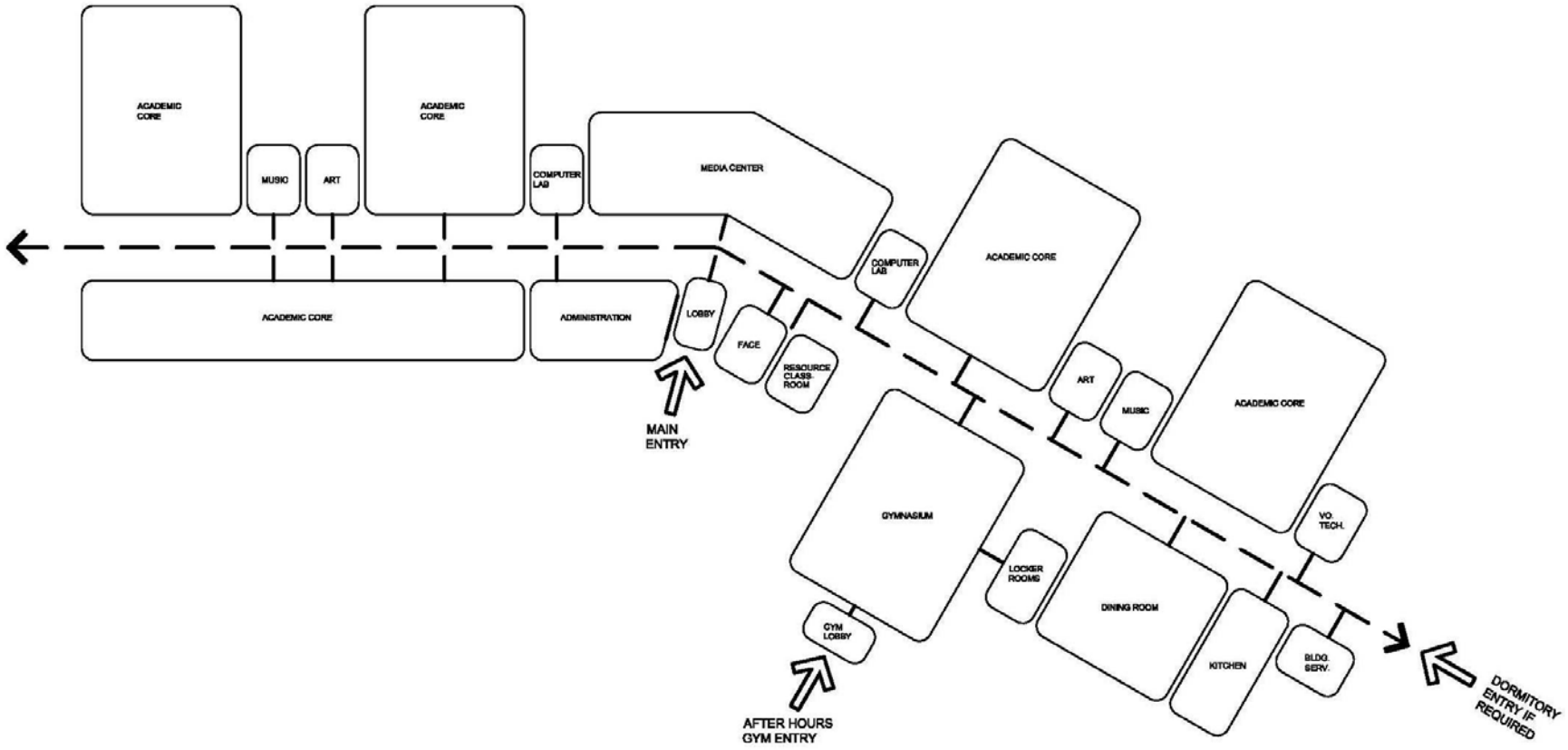
TWO STORY BUILDING



1 K-12 SCHOOL DIAGRAM

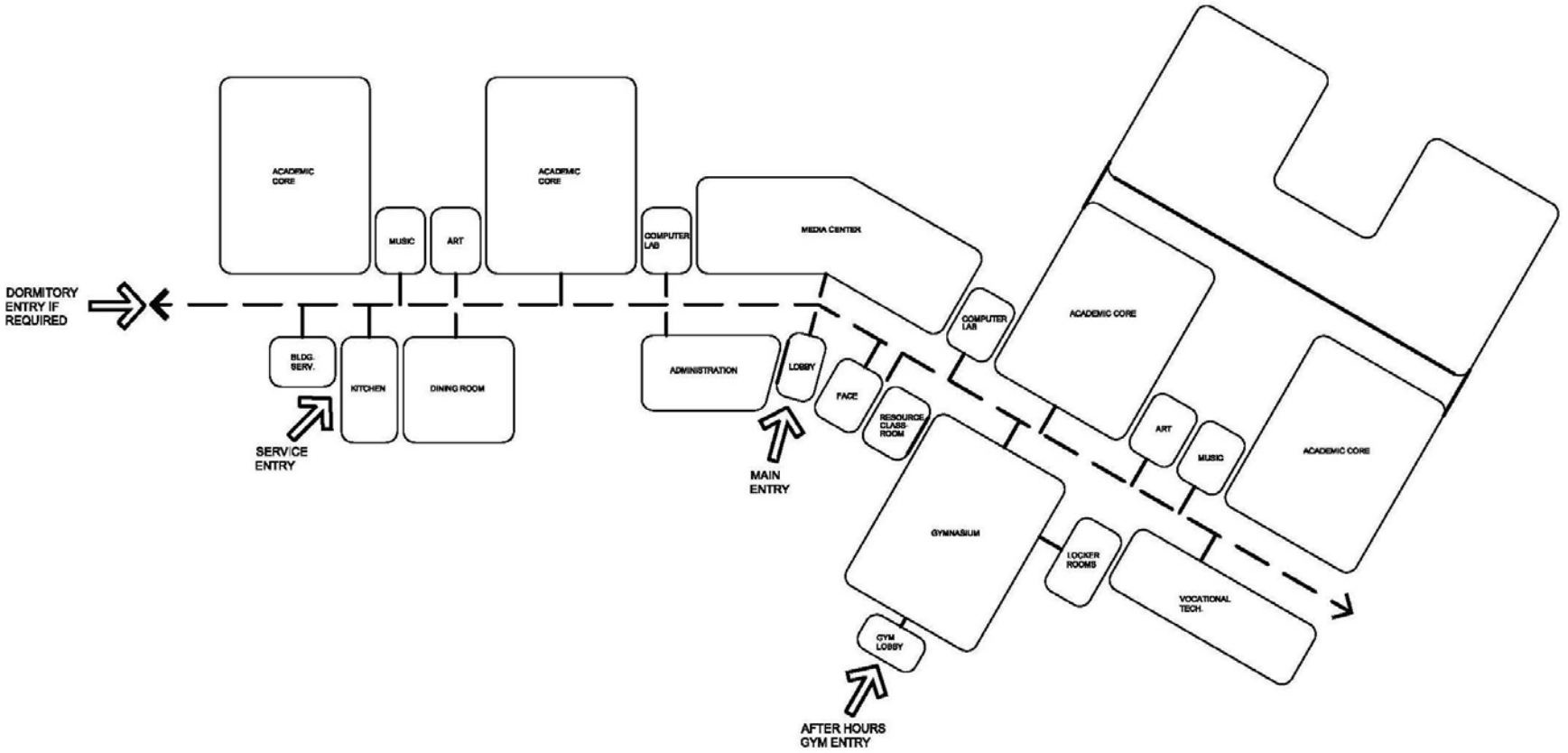
SINGLE STORY BUILDING


2nd FLOOR ACADEMIC CORE 9-12
ACADEMIC CORE 3-5
VO-TECH
COMPUTER LAB
MEDIA CENTER
FACE
SERVICE ENTRY
BLDG. SERV.
KITCHEN
DINING ROOM
CULTURAL CLASS-ROOM
DORMITORY ENTRY IF REQUIRED
HOME EC.
ACADEMIC CORE K-2
ADMINISTRATION
ART
RESOURSE CLASS-ROOM
GYMNASIUM
MAIN ENTRY
2nd FLOOR ACADEMIC CORE 6-8
1
K-12 SCHOOL DIAGRAM
TWO STORY BUILDING

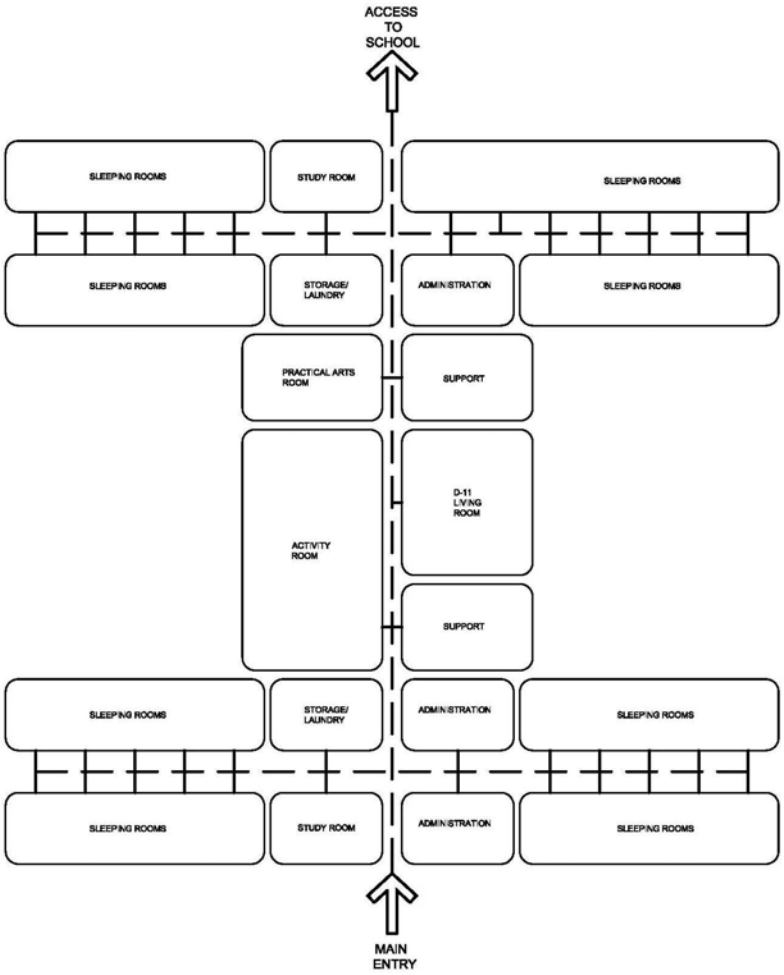


1 **9-12 SCHOOL DIAGRAM**

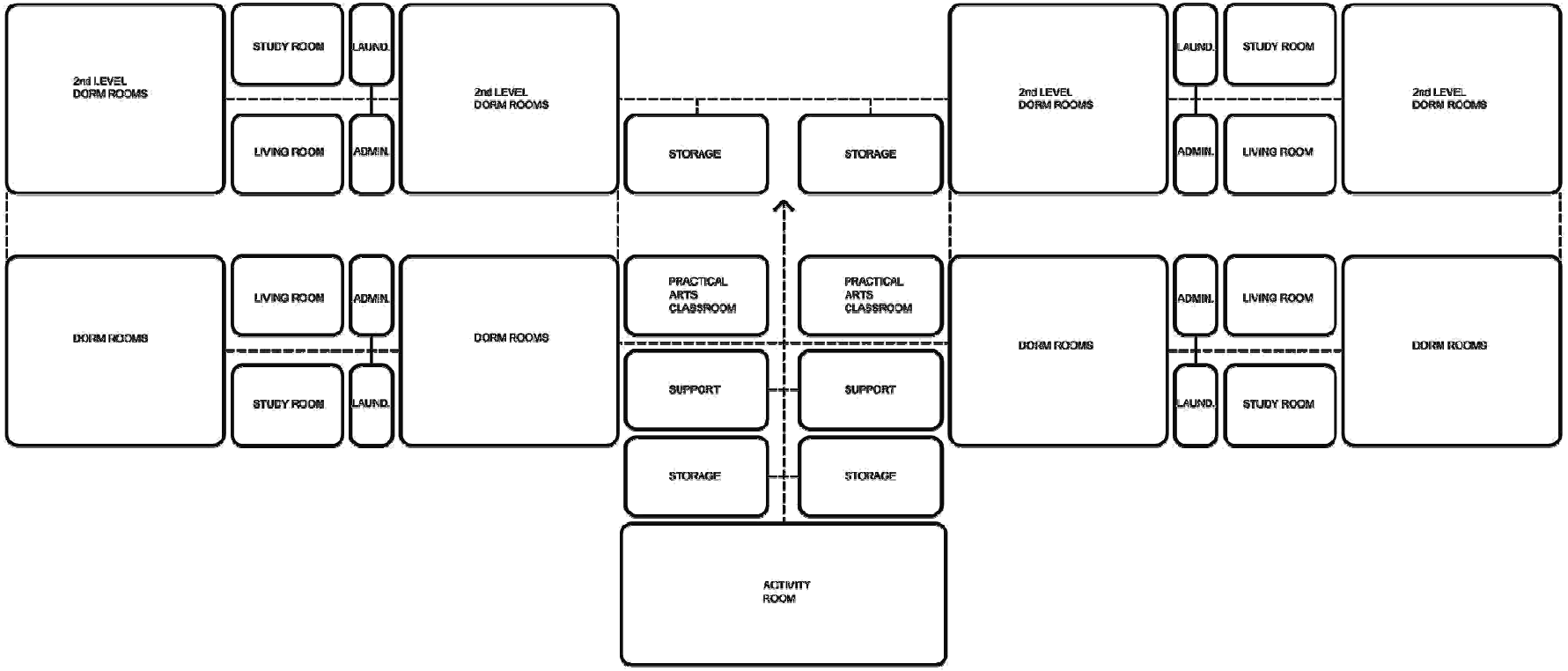
SINGLE STORY BUILDING



1 9-12 SCHOOL DIAGRAM
TWO STORY BUILDING

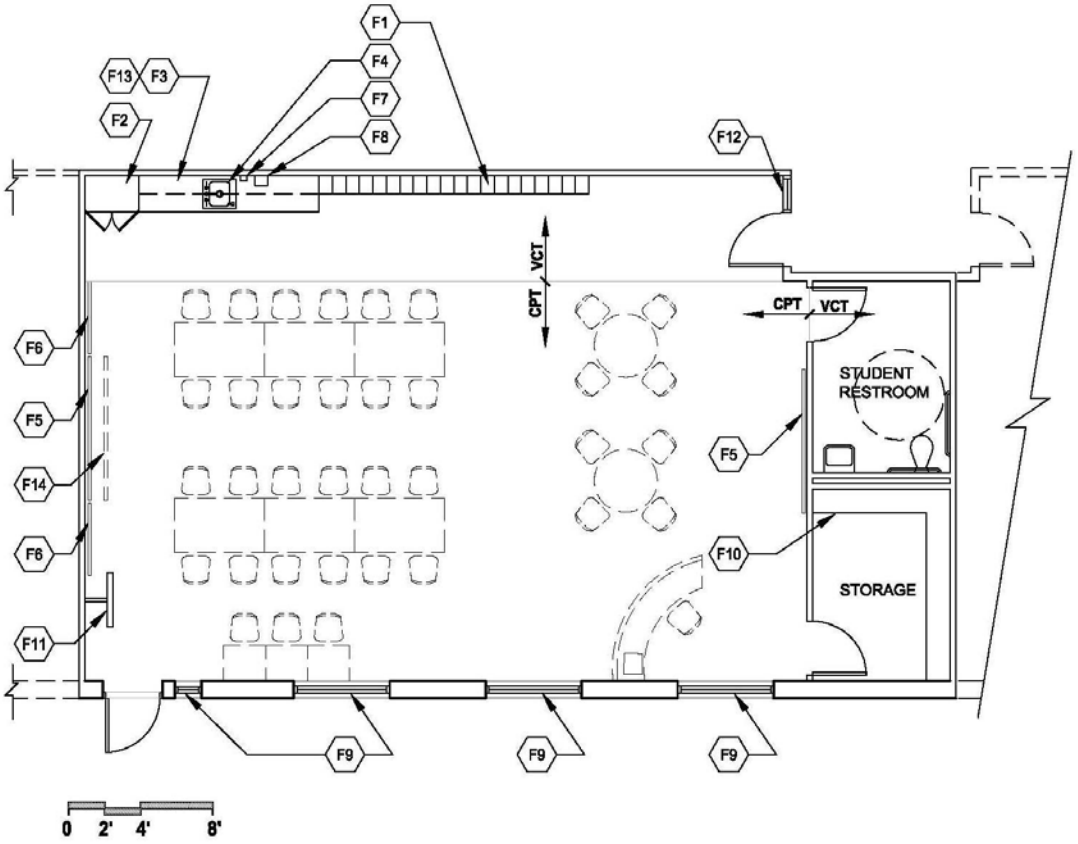


1 **DORMITORY LAYOUT DIAGRAM #1**
SINGLE STORY BUILDING



1 **DORMITORY LAYOUT DIAGRAM #2**
SINGLE STORY BUILDING

ISC-1 Kindergarten Classroom



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	20 students	
SIZE:	1,200 s.f.	
ANCILLARY SPACES:	Student Restroom	80 s.f.
	Storage Area	80 s.f.

Key Notes:

F1 Student storage cubbies
F2 Tall wardrobe cabinet with locks
F3 Plastic laminate base cabinets and countertop
F4 Sink(s): specialty type: SS large, deep, single
F5 Whiteboard
F6 Tackboard
F7 Soap dispenser
F8 Paper towel dispenser
F9 Windows/daylight into space required
F10 16” deep adjustable shelving
F11 TV with wall mounting bracket or TV cabinet
F12 Interior window
F13 Plastic laminate upper cabinets
F14 Overhead projection screen

BIA School Facilities	Kindergarten Classroom
Space Description	For square footages, see space template
1. Kindergarten classroom	
2. Student restroom	
3. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2,3
Heating/cooling at floor level critical to user age	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1,2
• Cold	Yes in #1,2
Sinks: specialty type: SS large, deep, single	Yes in #1
Handicapped access requirement	Yes in #2
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes in #1
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
Safety receptacles	Yes in #1,2
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Student storage cubbies		Yes											
• Locks		Yes											
• 16" deep adjustable shelving				Yes									
Other furnishings/millwork/ equipment or requirements:													
• Soap dispenser		Yes	Yes										
• Paper towel dispenser		Yes	Yes										

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• CMU - ground face, integral color	✓	✓	✓									
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• Carpet	✓		✓									
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓		✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Interior window	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes	Yes									
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes											
• Exterior door required	Yes											

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Kindergarten instruction through active exploration.
2. Children practice with tangible articles and are encouraged to develop learning skills, creativity, and imagination.
3. Activities include, but are not limited to group discussions, demonstrations, music activities, listening skills, gross motor skills, art and science projects, and small group activities.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

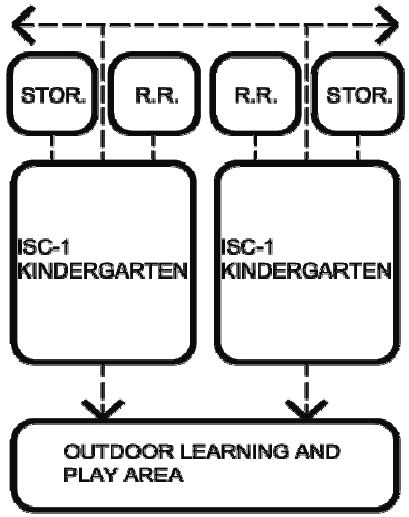
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

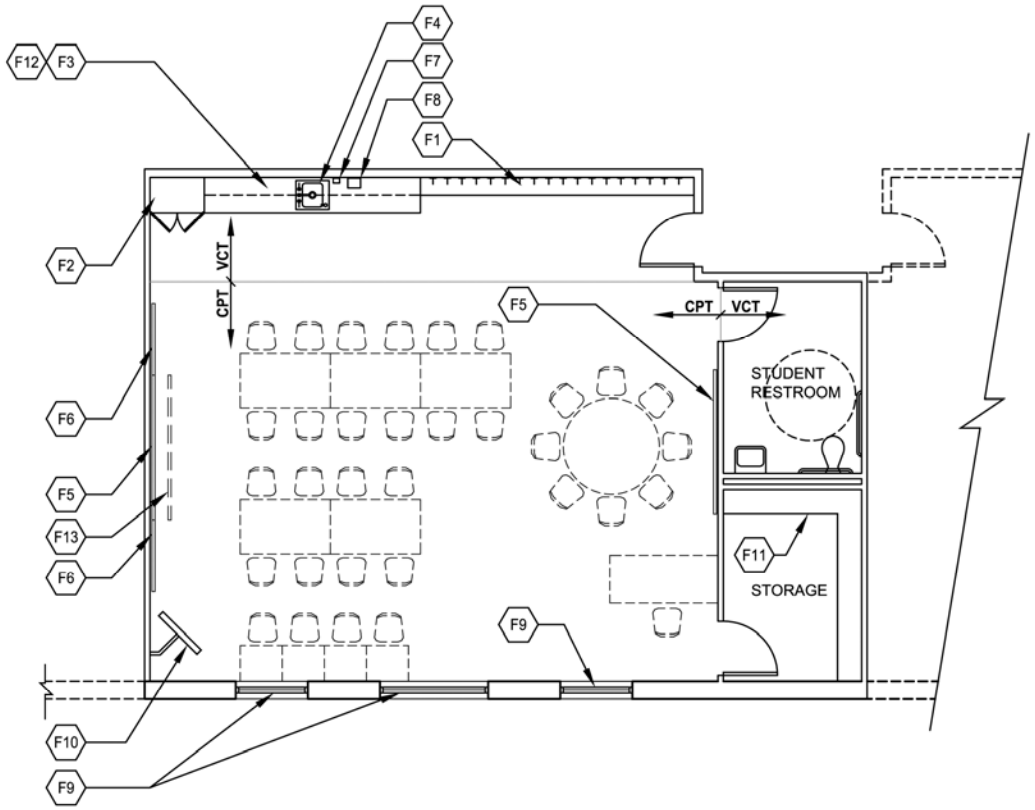
1. Near other pre-k/kindergarten classrooms
2. Near vehicle drop-off/pickup drive
3. Direct access to outdoor playground
4. Adjacent to individual restroom

Spatial Relationship Diagram

Kindergarten Classroom



ISC-2 Grade 1 General Classroom



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY	22 students	
SIZE:	880 s.f.	
ANCILLARY SPACES:	Student Restroom	80 s.f.
	Storage Area	80 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Tall wardrobe cabinet with locks
F3 Plastic laminate base cabinets and countertop
F4 Sink(s): specialty type: SS large, deep, single
F5 Whiteboard
F6 Tackboard
F7 Soap dispenser
F8 Paper towel dispenser
F9 Windows/daylight into space required
F10 TV with wall mounting bracket or TV cabinet
F11 16” deep adjustable shelving
F12 Plastic laminate upper cabinets
F13 Overhead projection screen

Chapter A2: Interdisciplinary Standard Classrooms

ISC-2 Grade 1 General Classroom Space Criteria

BIA School Facilities	Grade 1 Classroom
Space Description	For square footages, see space template
1. Grade 1 classroom	
2. Student restroom	
3. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2,3
Heating/cooling at floor level critical to user age	Yes in #1
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1,2
• Cold	Yes in #1,2
Sinks: specialty type: SS large, deep, single	Yes in #1
Handicapped access requirement	Yes in #2
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes in #1
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
Safety receptacles	Yes in #1,2
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving				Yes									
Other furnishings/millwork/ equipment or requirements:													
• Soap dispenser		Yes	Yes										
• Paper towel dispenser		Yes	Yes										

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• CMU - ground face, integral color	✓	✓	✓									
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• Carpet	✓		✓									
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓		✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes	Yes									
• With glazed lites	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Developmental experiences, technical skill building, and hands-on activities.
2. Activities include but are not limited to group discussions, demonstrations, music activities, listening skills, presentations, art and science projects, and small group activities.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

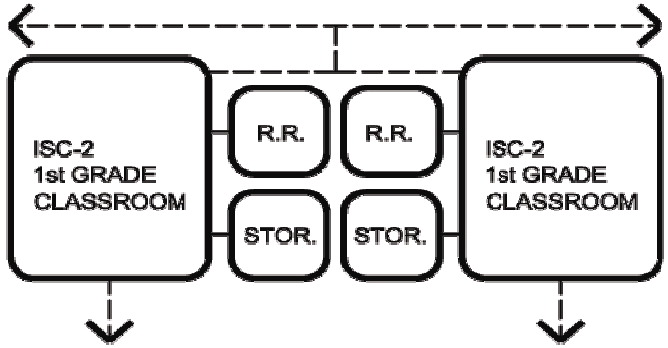
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

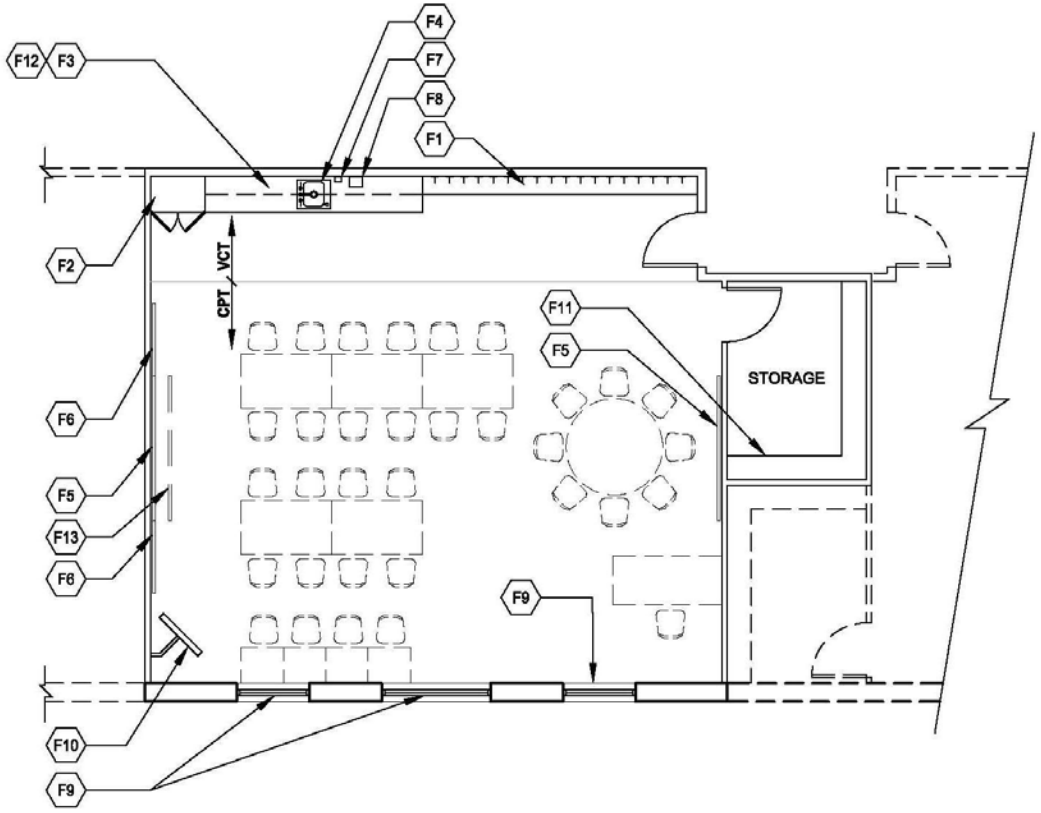
1. Near other elementary classrooms
2. Access to outdoor playground

Spatial Relationship Diagram

Grade 1 General Classroom



ISC-3 Grades 2 & 3 General Classroom



0 2' 4' 8'

1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	22 students	
SIZE:	880 s.f.	
ANCILLARY SPACES:	Storage Area	80 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Tall wardrobe cabinet with locks
F3 Plastic laminate base cabinets and countertop
F4 Sink(s): specialty type: SS large, deep, single
F5 Whiteboard
F6 Tackboard
F7 Soap dispenser
F8 Paper towel dispenser
F9 Windows/daylight into space required
F10 TV with wall mounting bracket or TV cabinet
F11 16” deep adjustable shelving
F12 Plastic laminate upper cabinets
F13 Overhead projection screen

Chapter A2: Interdisciplinary Standard Classrooms

ISC-3 Grades 2 & 3 General Classroom Space Criteria

BIA School Facilities	Grades 2 & 3 Classroom
Space Description	For square footages, see space template
1. Grades 2 & 3 classroom	
2. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Sinks: specialty type: SS large, deep, single	Yes in #1
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes in #1
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Soap dispenser		Yes											
• Paper towel dispenser		Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓	✓										
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Carpet	✓	✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Exposed to structure - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Developmental experiences, technical skill building, and hands-on activities.
2. Activities include but are not limited to group discussions, demonstrations, music activities, listening skills, presentations, art and science projects, and small group activities.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

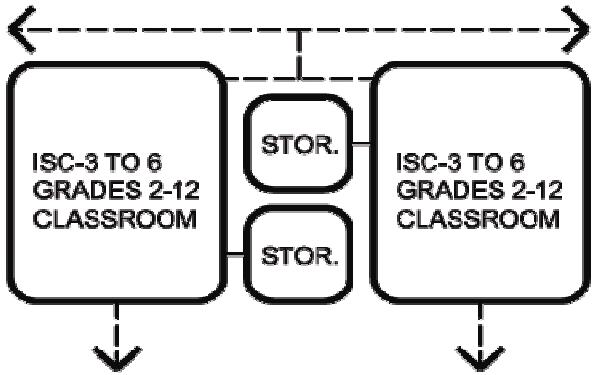
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

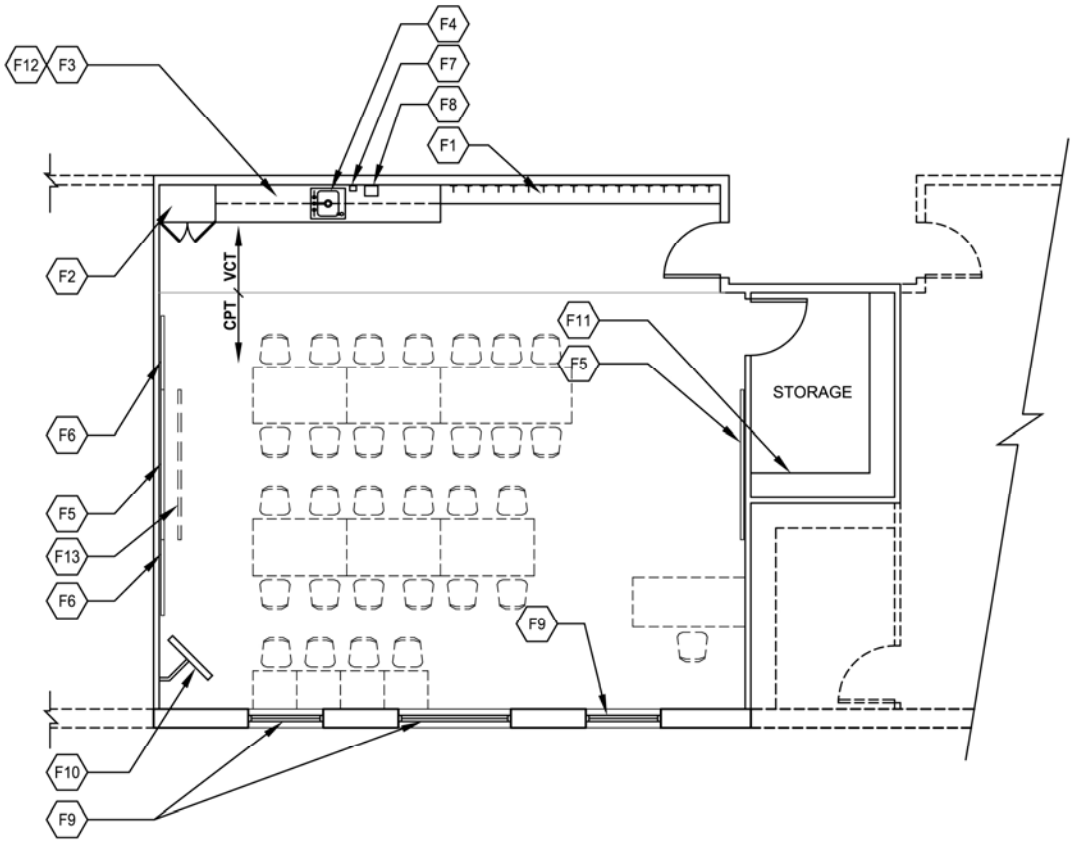
1. Near other elementary classrooms
2. Access to outdoor playground
3. Near large group restrooms

Spatial Relationship Diagram

Grades 2 & 3 General Classroom



ISC-4 Grades 4 thru 6 General Classroom



0 2' 4' 8'

1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	25 students	
SIZE:	875 s.f.	
ANCILLARY SPACES:	Storage Area	80 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Tall wardrobe cabinet with locks
F3 Plastic laminate base cabinets and countertop
F4 Sink(s): specialty type: SS large, deep, single
F5 Whiteboard
F6 Tackboard
F7 Soap dispenser
F8 Paper towel dispenser
F9 Windows/daylight into space required
F10 TV with wall mounting bracket or TV cabinet
F11 16” deep adjustable shelving
F12 Plastic laminate upper cabinets
F13 Overhead projection screen

BIA School Facilities	Grades 4-6 Classroom
Space Description	For square footages, see space template
1. Grades 4 thru 6 classroom	
2. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes in #1
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Sinks: specialty type: SS large, deep, single	Yes in #1
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Soap dispenser		Yes											
• Paper towel dispenser		Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓	✓										
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Carpet	✓	✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Exposed to structure - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Developmental experiences, technical skill building, and hands-on activities.
2. Activities include but are not limited to group discussions, demonstrations, music activities, listening skills, presentations, art and science projects, and small group activities.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

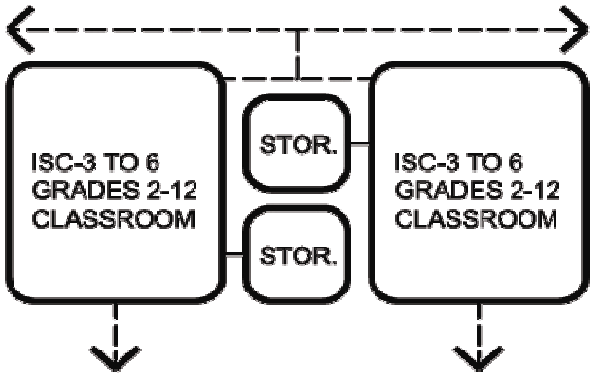
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

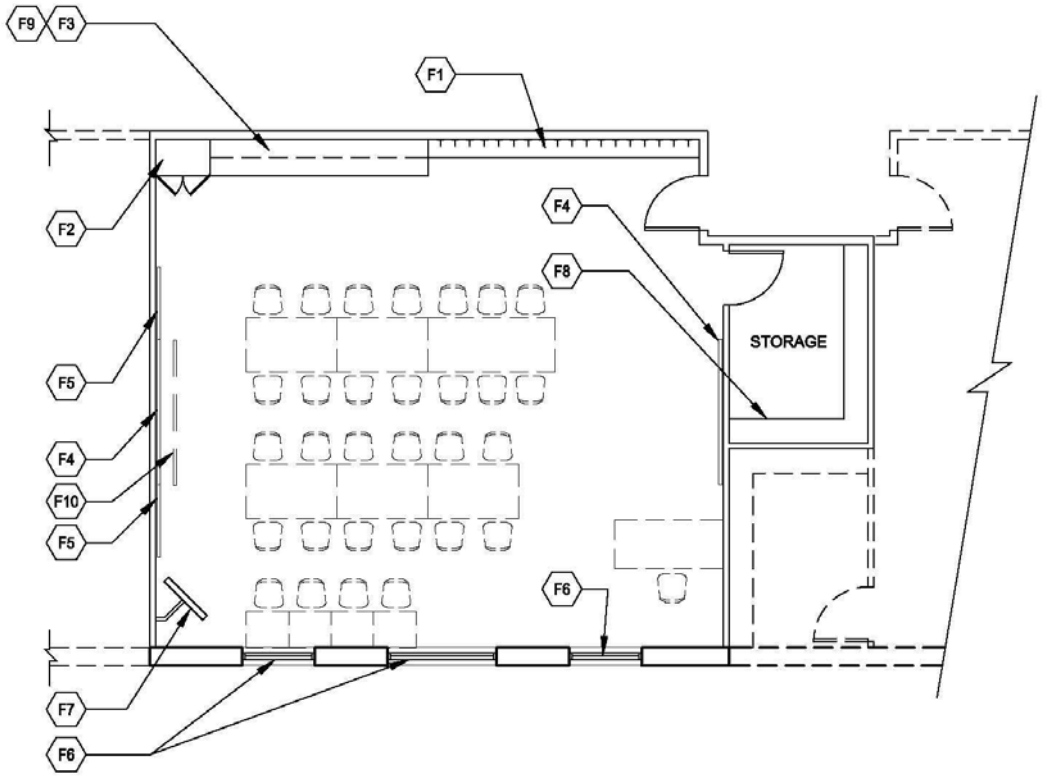
1. Near other elementary classrooms
2. Access to outdoor playground
3. Near large group restrooms

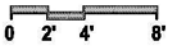
Spatial Relationship Diagram

Grades 4 thru 6 General Classroom



ISC-5 Grades 7 & 8 General Classroom





1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	25 students	
SIZE:	875 s.f.	
ANCILLARY SPACES:	Storage Area	80 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Tall wardrobe cabinet with locks
F3 Plastic laminate base cabinets and countertop
F4 Whiteboard
F5 Tackboard
F6 Windows/daylight into space required
F7 TV with wall mounting bracket or TV cabinet
F8 16” deep adjustable shelving
F9 Plastic laminate upper cabinets
F10 Overhead projection screen

BIA School Facilities	Grades 7 & 8 Classroom
Space Description	For square footages, see space template
1. Grades 7 & 8 classroom	
2. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes in #1
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓	✓										
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Carpet	✓	✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Exposed to structure - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable windows required	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Serves the instructional programs for language arts, social studies, and mathematics.
2. Instructional programs shall provide developmental experiences, improve communication skills and social development, and promote in-depth academic understandings.
3. Delivery of programs will involve traditional methodologies, but will include interdisciplinary activities, a variety of groupings, team teaching, and learning and manipulative exercises.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

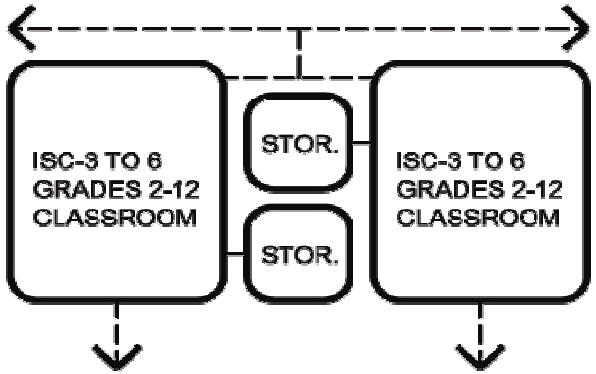
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

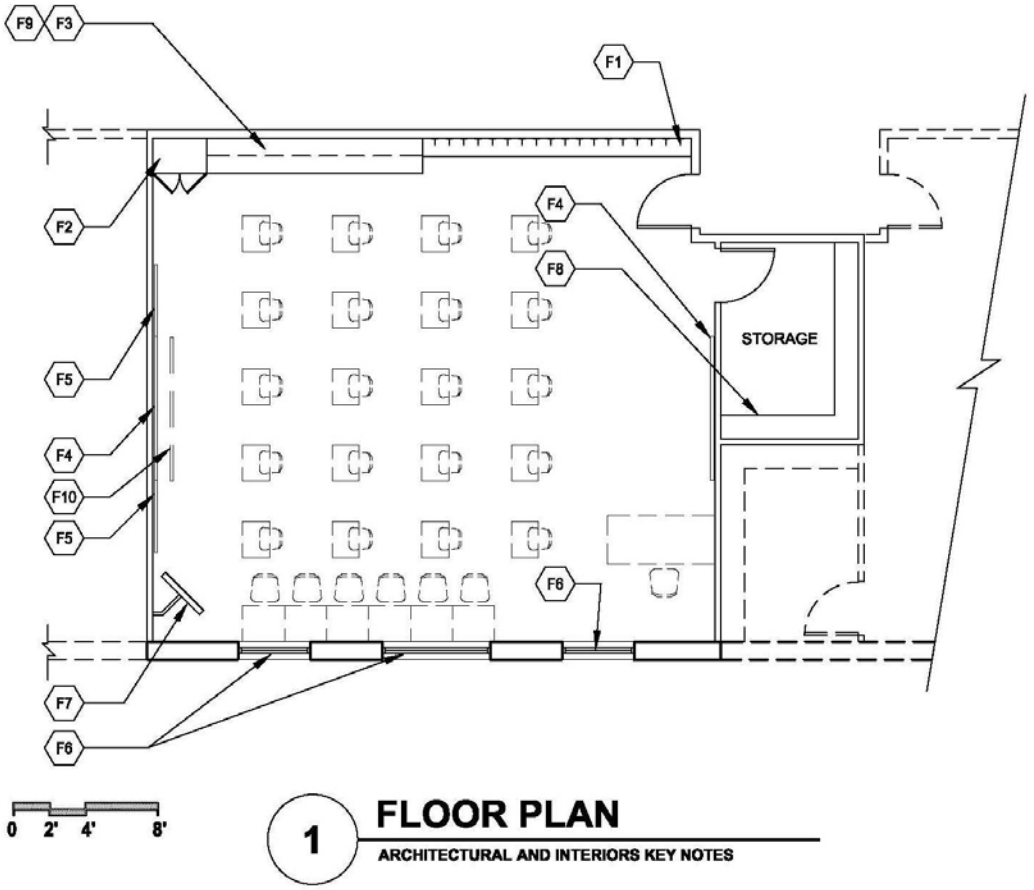
1. Easy and quick access to the media center, administrative services, physical education areas, and the arts
2. Near other academic core areas
3. Access to outdoor playground
4. Near large group restrooms
5. Located in academic zone that is away from noisy or public activities

Spatial Relationship Diagram

Grades 7 & 8 General Classroom



ISC-6 Grades 9 thru 12 General Classroom



Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	25 students	
SIZE:	875 s.f.	
ANCILLARY SPACES:	Storage Area	80 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Tall wardrobe cabinet with locks
F3 Plastic laminate base cabinets and countertop
F4 Whiteboard
F5 Tackboard
F6 Windows/daylight into space required
F7 TV with wall mounting bracket or TV cabinet
F8 16” deep adjustable shelving
F9 Plastic laminate upper cabinets
F10 Overhead projection screen

BIA School Facilities	Grades 9-12 Classroom
Space Description	For square footages, see space template
1. Grades 9 thru 12 classroom	
2. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Direct/indirect lighting	Yes
• Multi-level switched	Yes
Ceiling outlet for projector	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port ceiling mounted)	Yes in #1
Wireless access point outlet (2-port)	Reg. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓	✓										
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Carpet	✓	✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Exposed to structure - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Large group, small group, and individual instruction
2. Group and individual work
3. Demonstrations
4. Accommodates any of the core academic disciplines

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

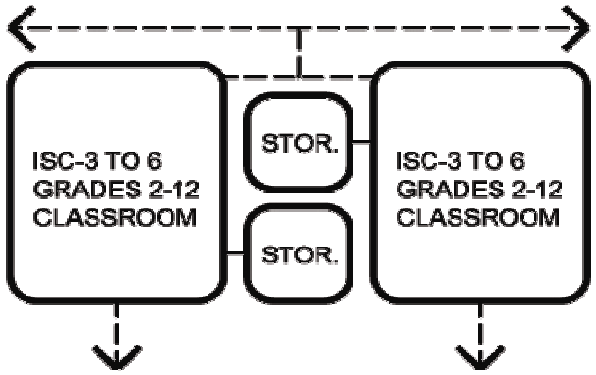
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

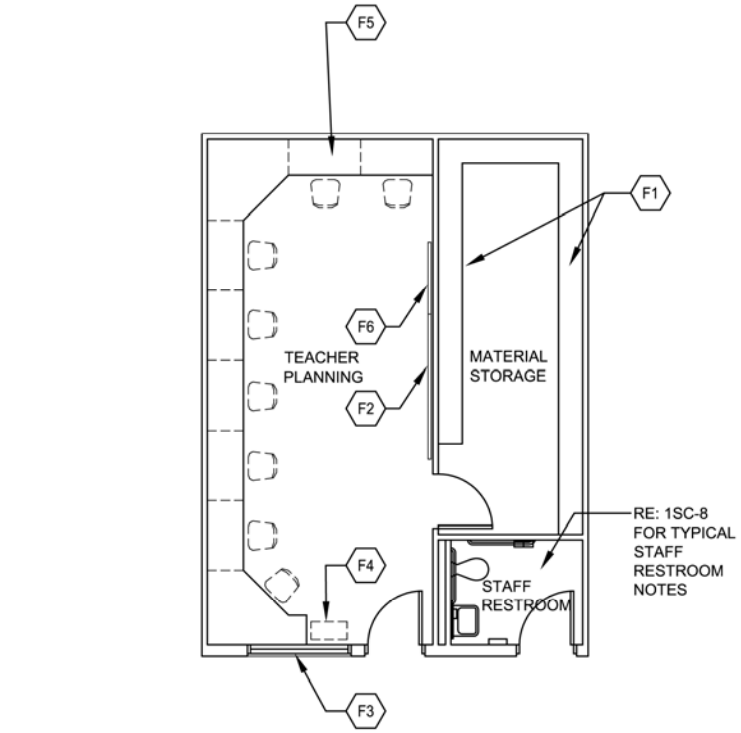
1. Easy and quick access to the media center, administrative services, physical education areas, and the arts
2. Near other academic core areas
3. Near large group restrooms
4. Located in academic zone that is away from noisy or public activities
5. Flexibility of space

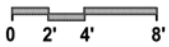
Spatial Relationship Diagram

Grades 9 thru 12 General Classroom



ISC-7 Teacher Planning / Material Storage





1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

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

CAPACITY:	8 teachers	
SIZE:	Planning Area	75 s.f. / Teacher Station
	Material Storage	22 s.f. / Teacher Station
	Staff Restroom	47 s.f.

Key Notes:

F1 16” deep adjustable shelving
F2 Whiteboard
F3 Interior window
F4 Printer location
F5 Plastic laminate countertops
F6 Tackboard

Chapter A2: Interdisciplinary Standard Classrooms

ISC-7 Teacher Planning / Material Storage Space Criteria

BIA School Facilities	Teacher Planning Core
Space Description	For square footages, see space template
1. Teacher planning area	
2. Material storage room	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Casework:													
• Plastic laminate countertops		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Printer location		Yes											

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Clock	Yes in #1
Surveillance camera	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Carpet	✓	✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Interior borrowed light window	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Teachers and other staff members hold meetings and prepare for class.
2. Professional interaction should be encouraged to improve communication, professional development, and team building.
3. Provides teacher office space outside of the classroom.
4. Restroom provides for personal health needs for teachers and staff.

Notes

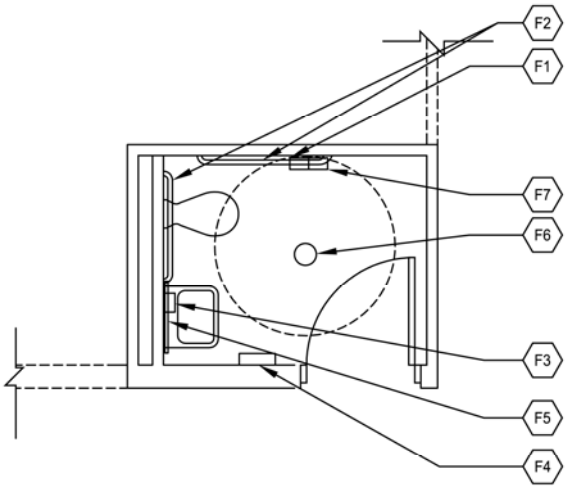
Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency light near door(s).
5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Key Space Design and Relationship Concepts

1. Near academic core classrooms

ISC-8 Staff Restroom



0 1' 2' 4'

1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

CAPACITY: N/A
SIZE: 47 s.f.

Key Notes:

F1 Toilet paper dispenser
F2 Grab bars
F3 Soap dispenser
F4 Paper towel dispenser
F5 Mirror
F6 Floor drain
F7 Feminine napkin disposal

BIA School Facilities	Staff Restroom
Space Description	For square footages, see space template
1. Staff restroom	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	No
Special acoustical treatment needed	Yes (sound batts in wall)
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions

Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes
• Cold	Yes
Floor drain	Yes
Handicapped access requirement	Yes
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements

Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Other												
Other furnishings/millwork/ equipment or requirements:												
• Grab bars	Yes											
• Mirror	Yes											
• Soap dispenser	Yes											
• Paper towel dispenser	Yes											
• Toilet paper dispenser	Yes											
• Feminine napkin disposal	Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Impact-resistant gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Ceramic tile	✓											
• Quarry tile	✓											
• Fluid applied flooring	✓											
• Other												
Floors:												
• Ceramic tile	✓											
• Quarry tile	✓											
• Fluid applied flooring	✓											
• VCT	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'0"											
• Gypsum board - painted	✓											
• Other												
Doors:												
• Wood	Yes											
• Other												

Structural Requirements	
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Restroom provides for personal health needs for teachers and staff.

Notes

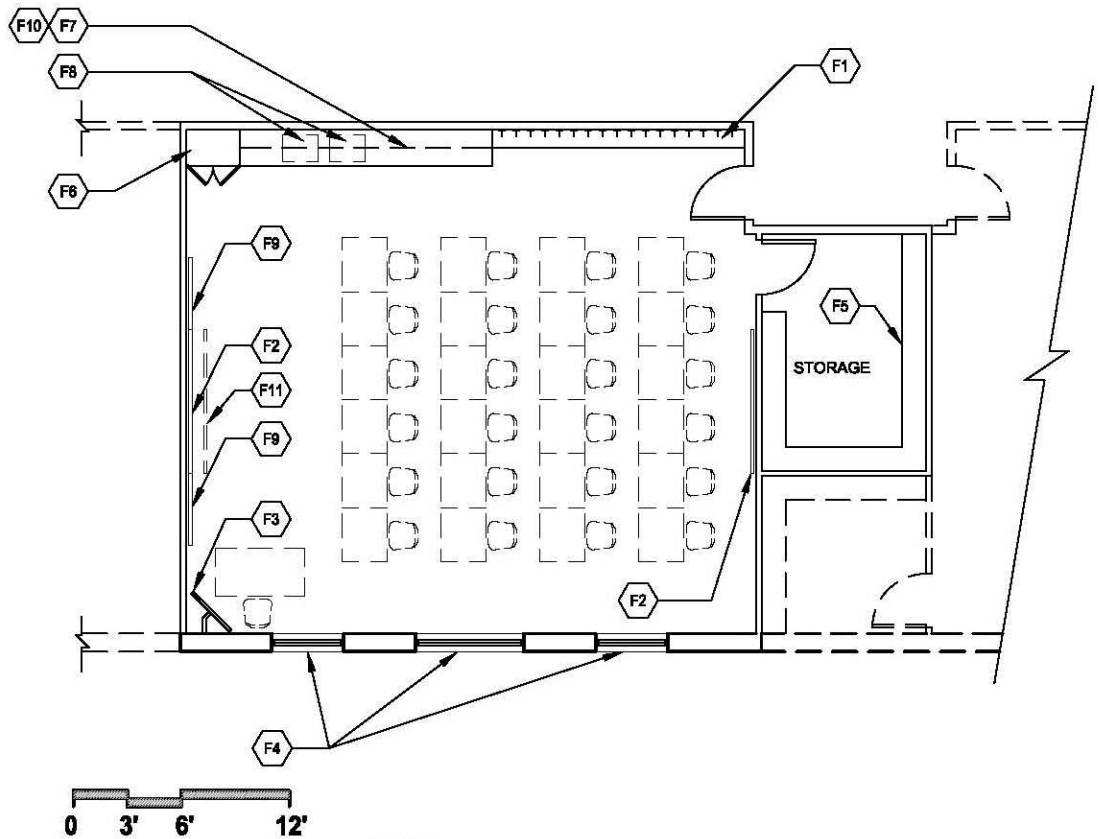
Electrical:

1. Provide wall switch type occupancy sensor.

Key Space Design and Relationship Concepts

1. Near academic core classrooms

DSC-1 Computer Lab



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	24 students	
SIZE:	888 s.f.	
ANCILLARY SPACES:	Storage Area	120 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Whiteboard
F3 TV with wall mounting bracket or TV cabinet
F4 Windows/daylight into space required
F5 16” deep adjustable shelving
F6 Tall wardrobe cabinet with locks
F7 Plastic laminate base cabinets and countertop
F8 Printer locations
F9 Tackboard
F10 Plastic laminate upper cabinets
F11 Overhead projection screen

BIA School Facilities	Computer Lab
Space Description	For square footages, see space template
1. Computer lab	
2. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect low-glare lighting	Yes in #1
• Multi-level switched	Yes in #1
Ceiling outlet for projector	Yes in #1, except in K-6
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #1
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port ceiling mounted)	Yes in #1, except in K-6
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1, K-6 only
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Surveillance camera	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Printer locations		Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Carpet	✓	✓										
• VCT	✓	✓										
• Sheet vinyl (conductive)	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Exposed to structure - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Contains computer workstations for group and individual work for grades 1 thru 12.
2. Activities include computer instruction, media production, and individual project work.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent room(s).
8. Provide power for overhead projector.
9. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

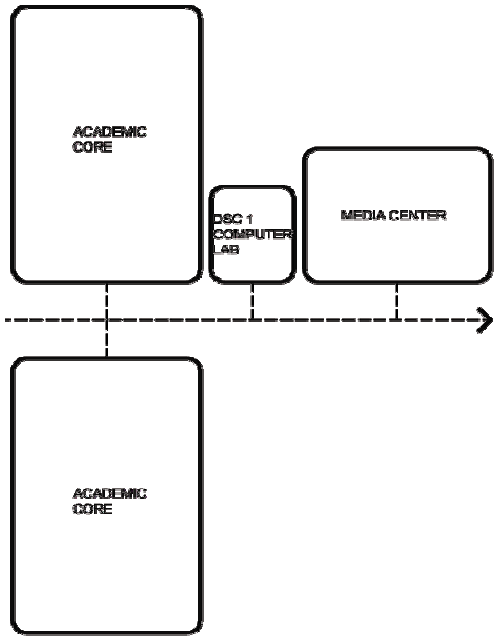
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

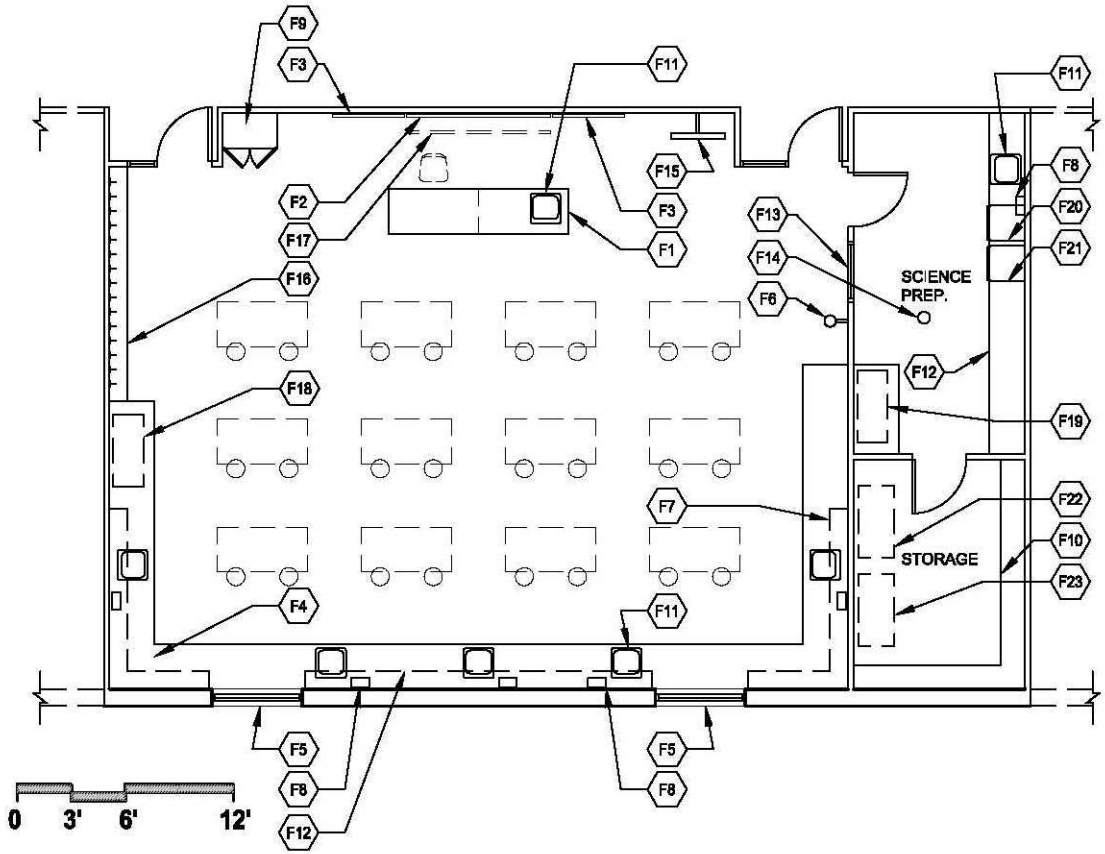
1. Near academic core classrooms
2. Near media center
3. Design for flexible use

Spatial Relationship Diagram

Computer Lab



DSC-2 General Science Lab



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	24 students	
SIZE:	1,440 s.f. (including prep. area)	
ANCILLARY SPACES:	Storage Area	120 s.f.

Key Notes:

F1 Demonstration table/teacher desk
F2 Whiteboard
F3 Tackboard
F4 Base cabinets with locks and acid-resistant countertop
F5 Windows/daylight into space required
F6 Emergency shower and eyewash station
F7 Upper cabinets with locks
F8 Paper towel dispenser
F9 Tall wardrobe cabinet with locks
F10 16” deep adjustable shelving
F11 Lab sinks
F12 Base cabinets and acid-resistant countertop
F13 Interior window
F14 Floor drain
F15 TV with wall mounting bracket or TV cabinet
F16 Student storage shelf with coat hooks
F17 Overhead projection screen
F18 Computer stations
F19 Fume hood with pass thru to classroom
F20 Dishwasher
F21 Undercounter refrigerator
F22 Acids cabinet
F23 Flammables cabinet

BIA School Facilities	General Science Lab
Space Description	For square footages, see space template
1. General science lab	
2. Science prep area	
3. Storage area	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Hood requirements:	
• Fume hood, as required	Yes in #1
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1,2
• Cold	Yes in #1,2
Floor drain	Yes in #2
Acid waste	Yes in #1,2
Lab sinks	Yes in #1,2
Emergency shower	As required
Eyewash station	As required
Gases needed for classroom use:	
• Acetylene	As required
• Oxygen	As required
• Compressed air	As required
• Natural gas	As required
Other plumbing equipment or requirements:	
•	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,2
Master shutoff for outlets	Yes in #1,2
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,2
• Direct/indirect lighting	Yes in #1,2
• Multi-level switched	Yes in #1,2
• Emergency lighting	Yes in #1,2
Ceiling outlet for projector	Yes in #1, except in K-6
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port ceiling mounted)	Yes in #1, except in K-6
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1, K-6 only
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		✓	✓										
• Wood base cabinets		✓	✓										
• Acid-resistant countertops		Yes	Yes										
• Plastic laminate upper cabinets		✓											
• Wood upper cabinets		✓											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• Demonstration table/teacher desk		Yes											
• 16" deep adjustable shelving				Yes									
Other requirements:													
• Fume hood			Yes										
• Undercounter refrigerator			Yes										
• Undercounter dishwasher			Yes										
• Acids cabinet				Yes									
• Flammables cabinet				Yes									
• Paper towel dispenser		Yes	Yes										
• Other													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Sealed concrete	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓	✓	✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	Yes	Yes	Yes									
• With glazed lites	Yes	Yes										
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Large group, small group, and individual instruction
2. Group and individual work
3. Laboratory experimentation
4. Data collection and analysis
5. Demonstrations
6. Project work

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and adjacent storage and prep room(s). Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Above-counter receptacles shall be mounted in a steel raceway system.
11. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

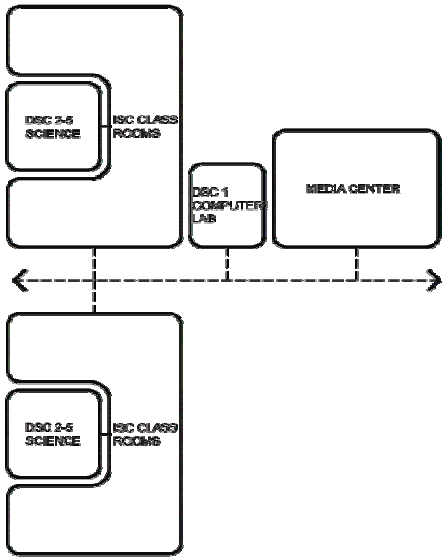
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

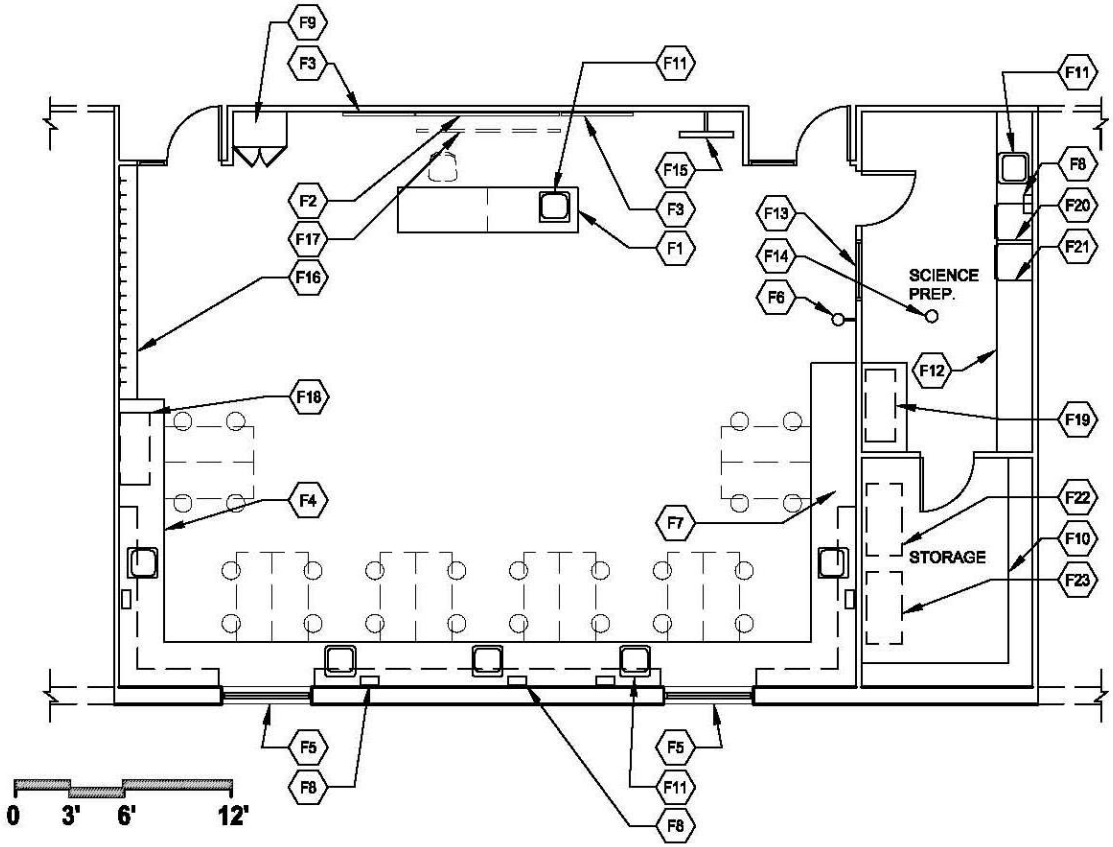
1. Near other science classrooms
2. Adjacent to science prep room
3. Located in academic "zone" that is away from noisy or public activities
4. Access to media center and administrative services
5. Proximity to large group restrooms
6. Flexibility of space
7. Appropriate exterior exposure for "grow" window

Spatial Relationship Diagram

General Science Lab



DSC-3 Multi-Purpose Science Lab



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	24 students	
SIZE:	1,440 s.f. (including prep. area)	
ANCILLARY SPACES:	Storage Area	120 s.f.

Key Notes:

F1 Demonstration table/teacher desk
F2 Whiteboard
F3 Tackboard
F4 Base cabinets with locks and acid-resistant countertop
F5 Windows/daylight into space required
F6 Emergency shower and eyewash station
F7 Upper cabinets with locks
F8 Paper towel dispenser
F9 Tall wardrobe cabinet with locks
F10 16” deep adjustable shelving
F11 Lab sinks
F12 Base cabinets and acid-resistant countertop
F13 Interior window
F14 Floor drain
F15 TV with wall mounting bracket or TV cabinet
F16 Student storage shelf with coat hooks
F17 Overhead projection screen
F18 Computer stations
F19 Fume hood with pass thru to classroom
F20 Dishwasher
F21 Undercounter refrigerator
F22 Acids cabinet
F23 Flammables cabinet

BIA School Facilities	Multi-Purpose Science Lab

Space Description — For square footages, see space template

1. Multi-purpose science lab
2. Science prep area
3. Storage area

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Hood requirements:	
• Fume hood, as required	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1,2
• Cold	Yes in #1,2
Floor drain	Yes in #2
Sink(s): specialty type: SS large, deep, single	Yes in #1,2
Acid waste	Yes in #1,2
Emergency shower	As required
Eyewash station	As required
Gases needed for classroom use:	
• Acetylene	As required
• Oxygen	As required
• Compressed air	As required
• Natural gas	As required
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,2
Master shutoff for outlets	Yes in #1,2
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,2
• Direct/indirect lighting	Yes in #1,2
• Multi-level switched	Yes in #1,2
• Emergency lighting	Yes in #1,2
Ceiling outlet for projector	Yes in #1, except in K-6
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port ceiling mounted)	Yes in #1, except in K-6
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1, K-6 only
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		✓	✓										
• Wood base cabinets		✓	✓										
• Acid-resistant countertops		Yes	Yes										
• Plastic laminate upper cabinets		✓											
• Wood upper cabinets		✓											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• Demonstration table/teacher desk		Yes											
• 16" deep adjustable shelving				Yes									
Other requirements:													
• Fume hood			Yes										
• Undercounter refrigerator			Yes										
• Undercounter dishwasher			Yes										
• Acids cabinet				Yes									
• Flammables cabinet				Yes									
• Paper towel dispenser		Yes	Yes										
• Other													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Sealed concrete	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓	✓	✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	Yes	Yes	Yes									
• With glazed lites	Yes	Yes										
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Large group, small group, and individual instruction
2. Group and individual work
3. Laboratory experimentation
4. Data collection and analysis
5. Demonstrations
6. Project work

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and adjacent storage and prep room(s). Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Above-counter receptacles shall be mounted in a steel raceway system.
11. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

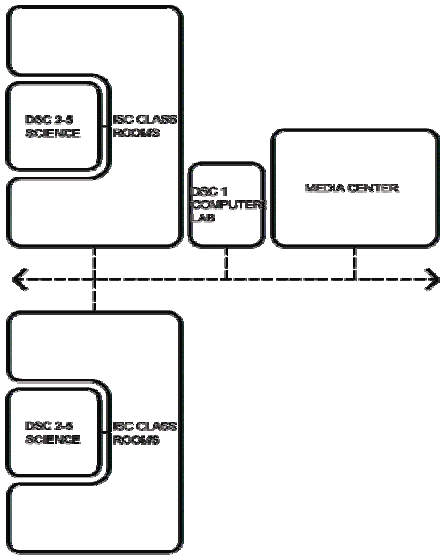
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

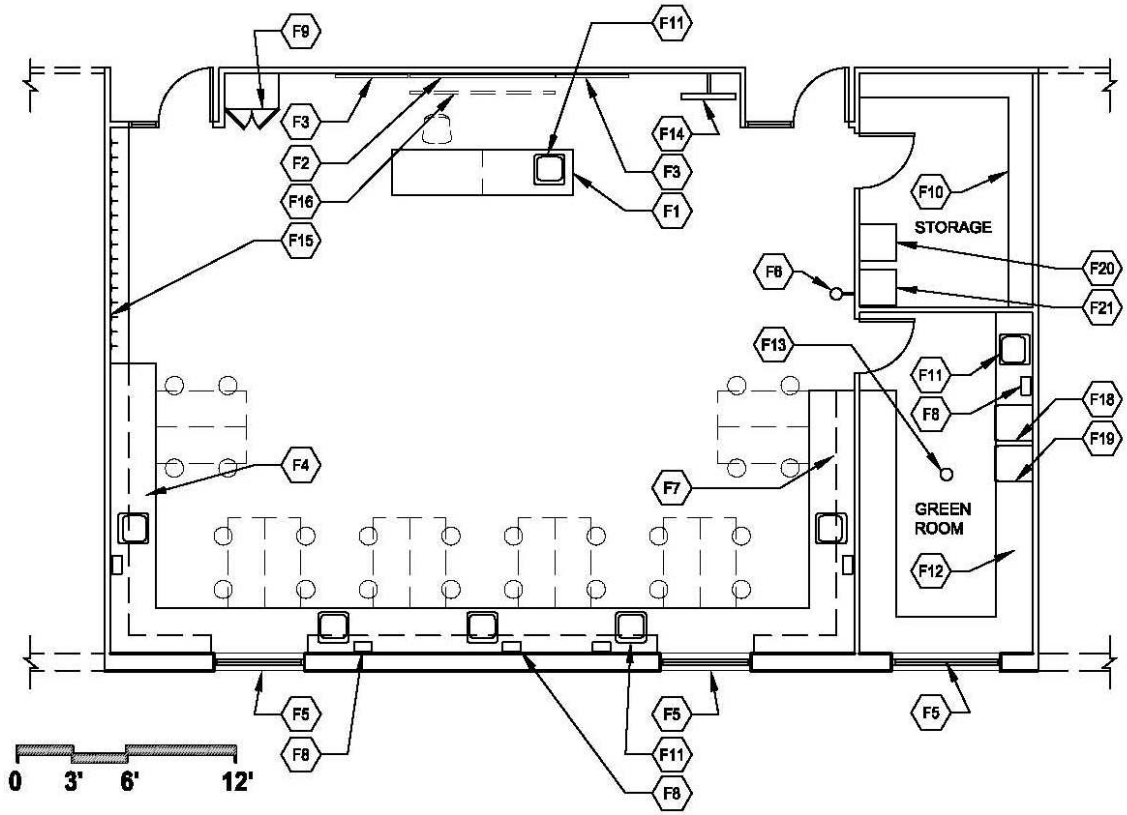
1. Near other science classrooms
2. Adjacent to science prep room
3. Located in academic "zone" that is away from noisy or public activities
4. Access to media center and administrative services
5. Proximity to large group restrooms
6. Flexibility of space
7. Appropriate exterior exposure for "grow" window

Spatial Relationship Diagram

Multi-Purpose Science Lab



DSC-4 Earth Science / Physics Lab



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	24 students	
SIZE:	1,440 s.f. (including prep. area)	
ANCILLARY SPACES:	Storage Area	120 s.f.

Key Notes:

F1 Demonstration table/teacher desk
F2 Whiteboard
F3 Tackboard
F4 Base cabinets with locks and acid-resistant countertop
F5 Windows/daylight into space required
F6 Emergency shower and eyewash station
F7 Upper cabinets with locks
F8 Paper towel dispenser
F9 Tall wardrobe cabinet with locks
F10 16” deep adjustable shelving
F11 Lab sinks
F12 Base cabinets and acid-resistant countertop
F13 Floor drain
F14 TV with wall mounting bracket or TV cabinet
F15 Student storage shelf with coat hooks
F16 Overhead projection screen
F17 Interior window
F18 Dishwasher
F19 Undercounter refrigerator
F20 Acids cabinet
F21 Flammables cabinet

BIA School Facilities	Earth Science/Physics Lab

Space Description — For square footages, see space template

1. Earth science/physics lab
2. Green room
3. Storage area

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions

Air pressure (balanced is assumed):	
• Negative	Yes
Hood requirements:	
• Fume hood, as required	Yes in #1
Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes in #1,2
• Cold	Yes in #1,2
Floor drain	Yes in #2
Sink(s): specialty type: SS large, deep, single	Yes in #1,2
Acid waste	Yes in #1,2
Emergency shower	As required
Eyewash station	As required
Gases needed for classroom use:	
• Acetylene	As required
• Oxygen	As required
• Compressed air	As required
• Natural gas	As required
Other plumbing equipment or requirements:	
•	

Acoustical Conditions

Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Specialized power requirements	Yes in #1,2
Master shutoff for outlets	Yes in #1,2
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,2
• Direct/indirect lighting	Yes in #1,2
• Multi-level switched	Yes in #1,2
• Emergency lighting	Yes in #1,2
Ceiling outlet for projector	Yes in #1, except in K-6
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements

Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port ceiling mounted)	Yes in #1, except in K-6
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1, K-6 only
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment

		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		✓	✓										
• Wood base cabinets		✓	✓										
• Acid-resistant countertops		Yes	Yes										
• Plastic laminate upper cabinets		✓											
• Wood upper cabinets		✓											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• Demonstration table/teacher desk		Yes											
• 16" deep adjustable shelving				Yes									
Other requirements:													
• Undercounter refrigerator			Yes										
• Undercounter dishwasher			Yes										
• Acids cabinet				Yes									
• Flammables cabinet				Yes									
• Paper towel dispenser		Yes	Yes										
• Other													

Interior Finishes

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Sealed concrete	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓	✓	✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	Yes	Yes	Yes									
• With glazed lites	Yes	Yes										
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Large group, small group, and individual instruction
2. Group and individual work
3. Laboratory experimentation
4. Data collection and analysis
5. Demonstrations
6. Project work

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and adjacent storage and prep room(s). Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Above-counter receptacles shall be mounted in a steel raceway system.
11. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

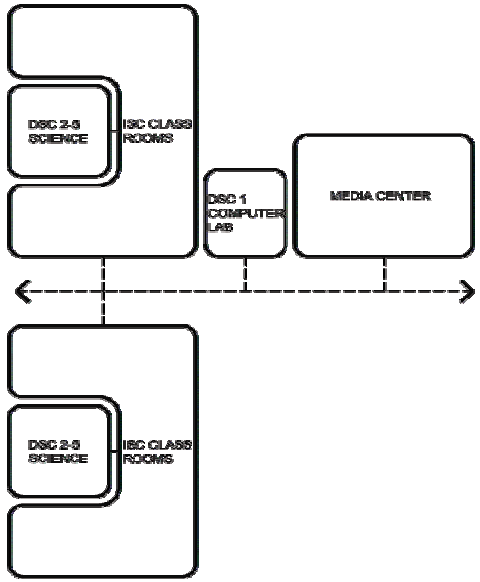
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

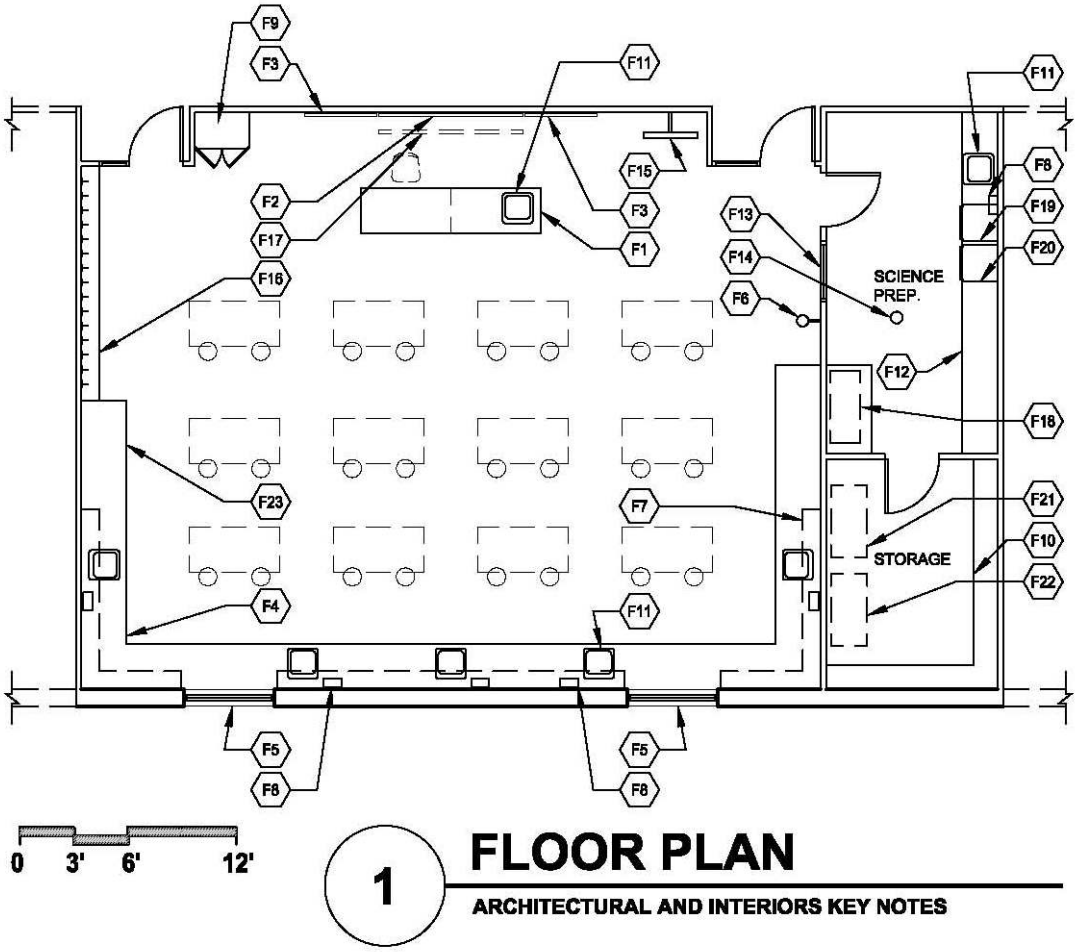
1. Near other science classrooms
2. Adjacent to science prep room
3. Located in academic "zone" that is away from noisy or public activities
4. Access to media center and administrative services
5. Proximity to large group restrooms
6. Flexibility of space

Spatial Relationship Diagram

Earth Science / Physics Lab



DSC-5 Chemistry / Biology Lab



Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	24 students	
SIZE:	1,440 s.f. (includes Science Prep. area)	
ANCILLARY SPACES:	Storage Area	120 s.f.

Key Notes:

F1 Demonstration table/teacher desk
F2 Whiteboard
F3 Tackboard
F4 Base cabinets with locks and acid-resistant countertop
F5 Windows/daylight into space required
F6 Emergency shower and eyewash station
F7 Upper cabinets with locks
F8 Paper towel dispenser
F9 Tall wardrobe cabinet with locks
F10 16” deep adjustable shelving
F11 Lab sinks
F12 Base cabinets and acid-resistant countertop
F13 Interior window
F14 Floor drain
F15 TV with wall mounting bracket or TV cabinet
F16 Student storage shelf with coat hooks
F17 Overhead projection screen
F18 Fume hood with pass thru to classroom
F19 Dishwasher
F20 Undercounter refrigerator
F21 Acids cabinet
F22 Flammables cabinet
F23 Computer workstations

BIA School Facilities	Chemistry/Biology Lab
Space Description	For square footages, see space template
1. Chemistry/biology lab	
2. Science prep area	
3. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Hood requirements:	
• Fume hood, as required	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1,2
• Cold	Yes in #1,2
Floor drain	Yes in #2
Sink(s): specialty type: SS large, deep, single	Yes in #1,2
Specialty chemicals used down sinks	Yes in #1,2
Acid waste	Yes in #1,2
Emergency shower	Yes in #1
Eyewash station	Yes in #1
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,2
Master shutoff for outlets	Yes in #1,2
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,2
• Direct/indirect lighting	Yes in #1,2
• Multi-level switched	Yes in #1,2
• Emergency lighting	Yes in #1,2
Ceiling outlet for projector	Yes in #1, except in K-6
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port ceiling mounted)	Yes in #1, except in K-6
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1, K-6 only
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket or TV cabinet	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		✓	✓										
• Wood base cabinets		✓	✓										
• Acid-resistant countertops		Yes	Yes										
• Plastic laminate upper cabinets		✓											
• Wood upper cabinets		✓											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• Demonstration table/teacher desk		Yes											
• 16" deep adjustable shelving				Yes									
Other requirements:													
• Fume hood			Yes										
• Undercounter refrigerator			Yes										
• Undercounter dishwasher			Yes										
• Acids cabinet				Yes									
• Flammables cabinet				Yes									
• Paper towel dispenser		Yes	Yes										

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Sealed concrete	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓	✓	✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	Yes	Yes	Yes									
• With glazed lites	Yes	Yes										
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Large group, small group, and individual instruction
2. Group and individual work
3. Laboratory experimentation
4. Data collection and analysis
5. Demonstrations
6. Project work

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and adjacent storage and prep room(s). Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Above-counter receptacles shall be mounted in a steel raceway system.
11. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

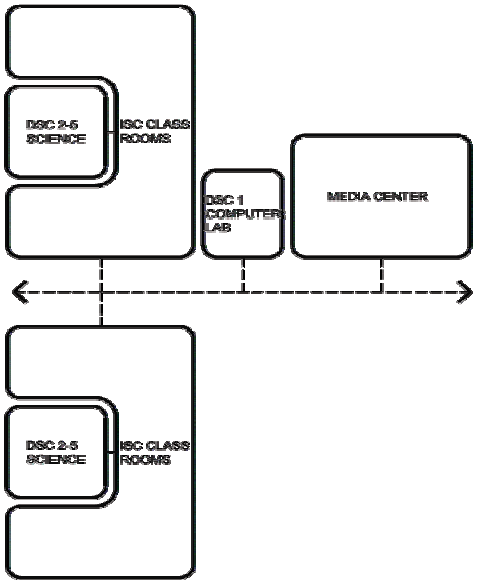
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

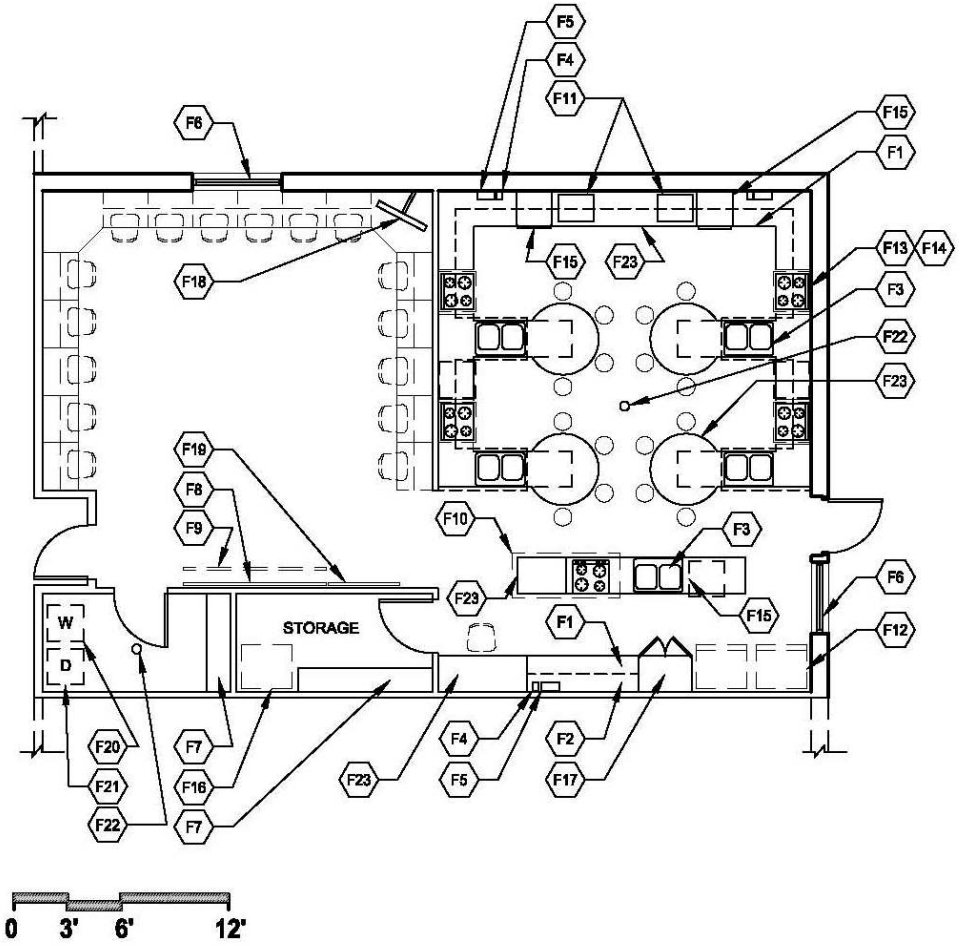
1. Near other science classrooms
2. Adjacent to science prep room
3. Located in academic "zone" that is away from noisy or public activities
4. Access to media center and administrative services
5. Proximity to large group restrooms
6. Flexibility of space

Spatial Relationship Diagram

Chemistry / Biology Lab



HE-1 Home Economics Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	16 students	
SIZE:	960 s.f.	
ANCILLARY SPACES:	Storage Area	200 s.f.
	(includes casework in Food Lab)	

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Plastic laminate upper cabinets
F3 Sink(s): specialty type: SS large, deep, dual
F4 Soap dispenser
F5 Paper towel dispenser
F6 Windows/daylight into space required
F7 16" deep adjustable shelving
F8 Whiteboard
F9 Overhead projection screen
F10 Demonstration mirror
F11 Microwave
F12 Refrigerator
F13 Range
F14 Oven
F15 Dishwasher
F16 Freezer
F17 Tall wardrobe cabinet
F18 TV with wall mounting bracket
F19 Tackboard
F20 Clothes washer
F21 Clothes dryer
F22 Floor drain
F23 Handicapped accessible workstation

BIA School Facilities	Home Economics
Space Description	For square footages, see space template
1. Home economics classroom	
2. Kitchen area	
3. Laundry area	
4. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2,3,4
Hood requirements:	
• Kitchen hood	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #2,3
• Cold	Yes in #2,3
Floor drain	Yes in #3
Sink(s): specialty type: SS large, deep, dual	Yes in #2
Garbage disposal	Yes in #2
Refrigerator w/ice maker connection	Yes in #2
Dishwasher connection & drain	Yes in #2
Washer connection & drain	Yes in #3
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1-3
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1-3
• Direct/indirect lighting	Yes in #1-3
• Multi-level switched	Yes in #1-3
• Emergency lighting	Yes in #1-3
Ceiling outlet for projector	Yes in #1, except in K-6
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port ceiling mounted)	Yes in #1, except in K-6
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets			Yes										
• Plastic laminate countertops		Yes	Yes										
• Plastic laminate upper cabinets		Yes	Yes										
• Tall wardrobe cabinet			Yes										
• Locks			Yes										
• 16" deep adjustable shelving				Yes	Yes								
• Other													
Other equipment requirements:													
• Demonstration mirror			Yes										
• Soap dispenser			Yes										
• Paper towel dispenser			Yes										
• Microwave			Yes										
• Refrigerator			Yes										
• Freezer					Yes								
• Range			Yes										
• Oven			Yes										
• Dishwasher			Yes										
• Washer				Yes									
• Dryer				Yes									

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓								
• CMU - ground face, integral color	✓	✓										
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓								
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓								
• Other												
Floors:												
• VCT	✓	✓	✓	✓								
• Sheet vinyl	✓	✓	✓	✓								
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"								
• Exposed to structure - painted	✓	✓	✓	✓								
• Lay-in acoustical	✓	✓	✓	✓								
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes	Yes	Yes								
• With glazed lites	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
• High-temperature heads as req.	Yes in #2
• Kitchen hood fire suppression as req.	Yes in #2

Program Activities

1. Houses the facilities for the home economics programs, family living program, and consumer science programs.
2. Activities will include hands-on work, demonstrations, and lectures, delivered to individuals, small groups, and the full group.
3. Storage area can be enclosed room or casework within the classroom.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent room(s).
9. Provide dedicated power to each piece of kitchen equipment within this room.
10. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

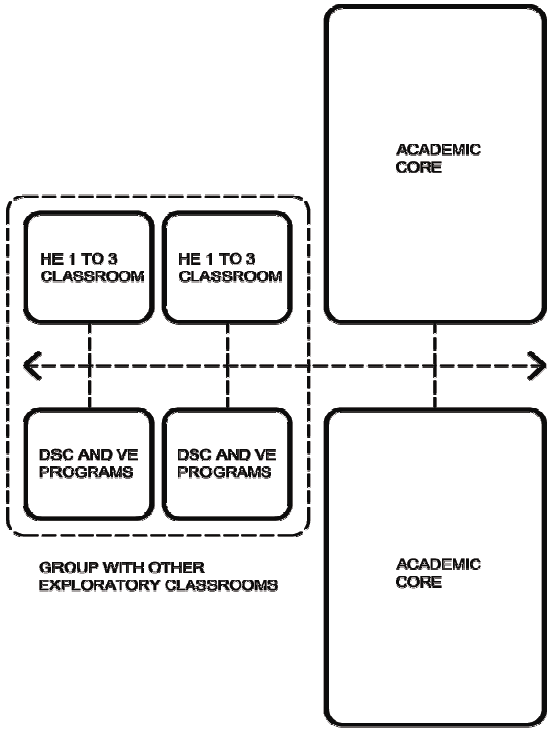
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

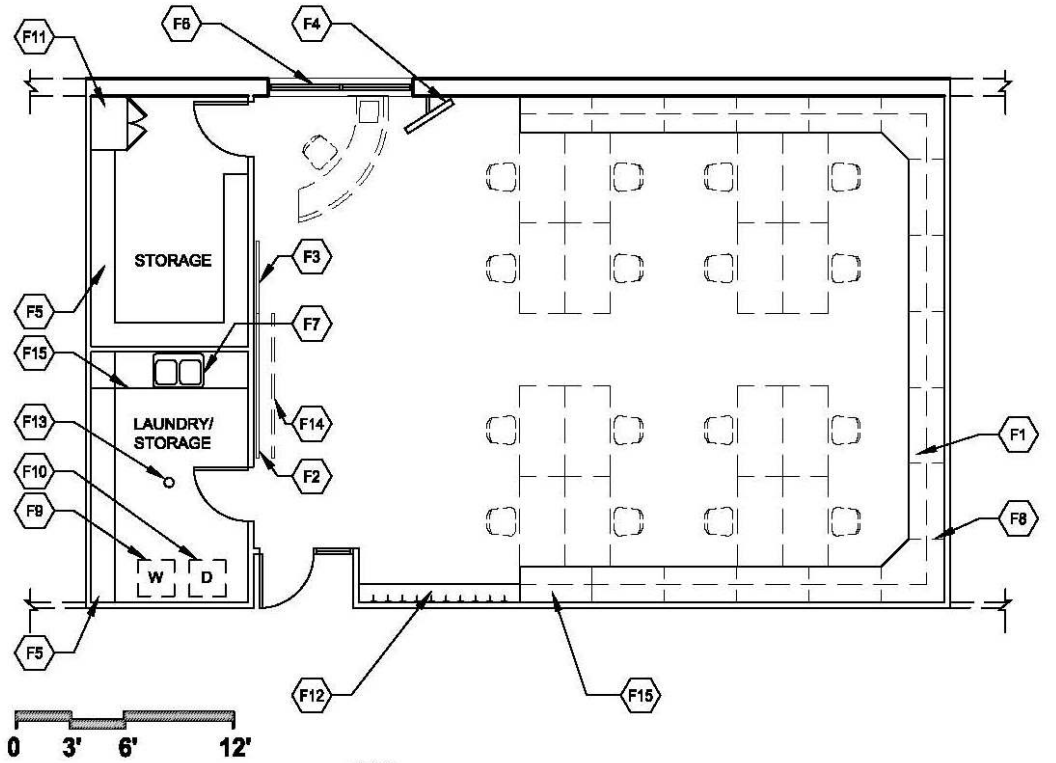
1. Grouped with other noise-producing areas
2. Adjacent to other specialized classroom spaces

Spatial Relationship Diagram

Home Economics Classroom



HE-2 Clothing Design Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	16 students	
SIZE:	1,040 s.f.	
ANCILLARY SPACES:	Storage Area	200 s.f.

Key Notes:

F1 Plastic laminate countertop
F2 Whiteboard
F3 Tackboard
F4 TV with wall mounting bracket
F5 16” deep adjustable shelving
F6 Windows/daylight into space required
F7 Sink(s): specialty type: SS large, deep, dual
F8 Plastic laminate upper cabinets
F9 Clothes washer
F10 Clothes dryer
F11 Tall wardrobe cabinet with locks
F12 Student storage shelf with coat hooks
F13 Floor drain
F14 Overhead projection screen
F15 Handicapped accessible workstation

BIA School Facilities	Clothing Design
Space Description	For square footages, see space template
1. Clothing design classroom	
2. Laundry/storage area	
3. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,2
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
Ceiling outlet for projector	Yes in #1, except in K-6
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2,3
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #2
• Cold	Yes in #2
Floor drain	Yes in #2
Washer connection & drain	Yes in #2
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port ceiling mounted)	Yes in #1, except in K-6
Wireless access point outlet (2-port)	Reg. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet				Yes									
• Locks				Yes									
• 16" deep adjustable shelving			Yes	Yes									
Other equipment requirements:													
• Washer			Yes										
• Dryer			Yes										

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• Carpet	✓											
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓	✓	✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes	Yes									
• With glazed lites	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Houses the facilities for the clothing design program, family living program, and consumer science programs.
2. Activities will include hands-on work, demonstrations, and lectures, delivered to individuals, small groups, and the full group.
3. Storage area can be enclosed room or casework within the classroom.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a receptacle mounted at +7'-0" for television.

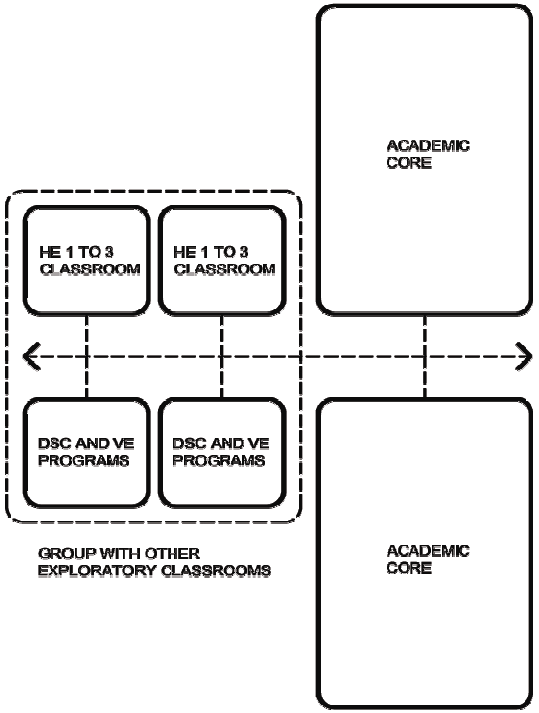
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

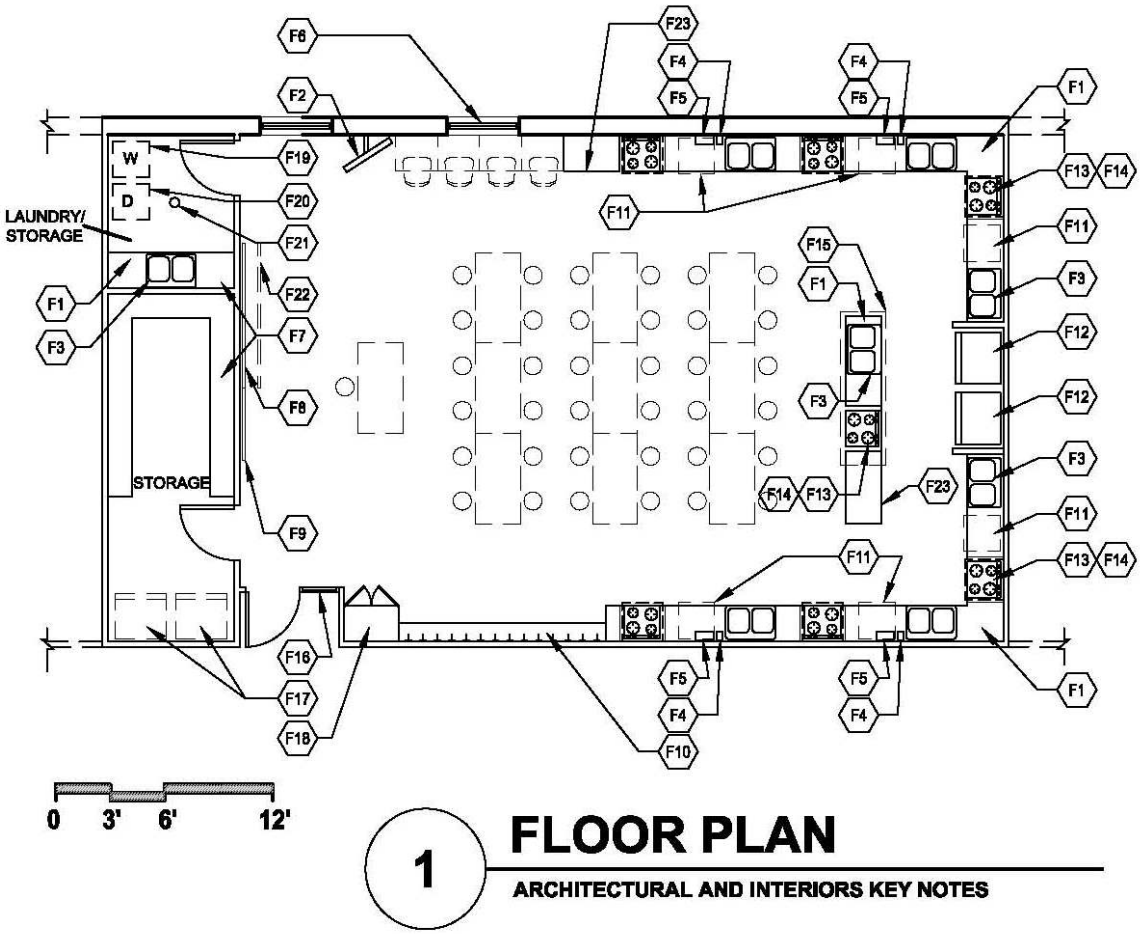
1. Grouped with other noise-producing areas
2. Adjacent to other specialized classroom spaces

Spatial Relationship Diagram

Clothing Design Classroom



HE-3 Food Preparation and Nutrition Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	16 students	
SIZE:	1,200 s.f.	
ANCILLARY SPACES:	Storage Area (Includes laundry area)	200 s.f.

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 TV with wall mounting bracket
F3 Sink(s): specialty type: SS large, deep, dual
F4 Soap dispenser
F5 Paper towel dispenser
F6 Windows/daylight into space required
F7 16" deep adjustable shelving
F8 Whiteboard
F9 Tackboard
F10 Student storage shelf with coat hooks
F11 Dishwasher
F12 Refrigerator
F13 Range
F14 Oven
F15 Demonstration mirror
F16 Interior window
F17 Freezer
F18 Tall wardrobe cabinet with locks
F19 Clothes washer
F20 Clothes dryer
F21 Floor drain
F22 Overhead projection screen
F23 Handicapped accessible workstation

BIA School Facilities	Food Prep & Nutrition
Space Description	For square footages, see space template
1. Food preparation and nutrition classroom	
2. Laundry/storage area	
3. Storage area	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Hood requirements:	
• Kitchen hood	Yes in #1
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1,2
• Cold	Yes in #1,2
Floor drain	Yes in #2
Sink(s): specialty type: SS large, deep, dual	Yes in #1,2
Garbage disposal	Yes in #1
Refrigerator w/ice maker connection	Yes in #1
Dishwasher connection & drain	Yes in #1
Washer connection & drain	Yes in #2
Other plumbing equipment or requirements:	
•	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,2
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Multi-level switched	Yes in #1
Ceiling outlet for projector	Yes in #1, except in K-6
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port ceiling mounted)	Yes in #1, except in K-6
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1,
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes	Yes										
• Plastic laminate countertops		Yes	Yes										
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving				Yes									
Other equipment requirements:													
• Demonstration mirror		Yes											
• Soap dispenser		Yes											
• Paper towel dispenser		Yes											
• Refrigerator		Yes											
• Freezer				Yes									
• Range		Yes											
• Oven		Yes											
• Dishwasher		Yes											
• Washer			Yes										
• Dryer			Yes										

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓	✓	✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	Yes	Yes	Yes									
• With glazed lites	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
• High-temperature heads as req.	Yes in #1
• Kitchen hood fire suppression as req.	Yes in #1

Program Activities

1. Houses the facilities for the food preparation and nutrition programs, family living program, and consumer science programs.
2. Activities will include hands-on work, demonstrations, and lectures, delivered to individuals, small groups, and the full group.
3. Storage area can be enclosed room or casework within the classroom.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
6. Provide dedicated power to each piece of kitchen equipment within this room.
7. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

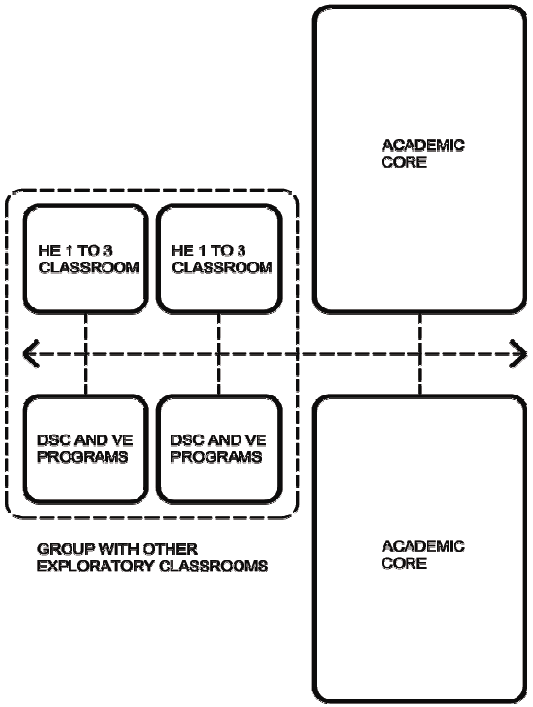
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

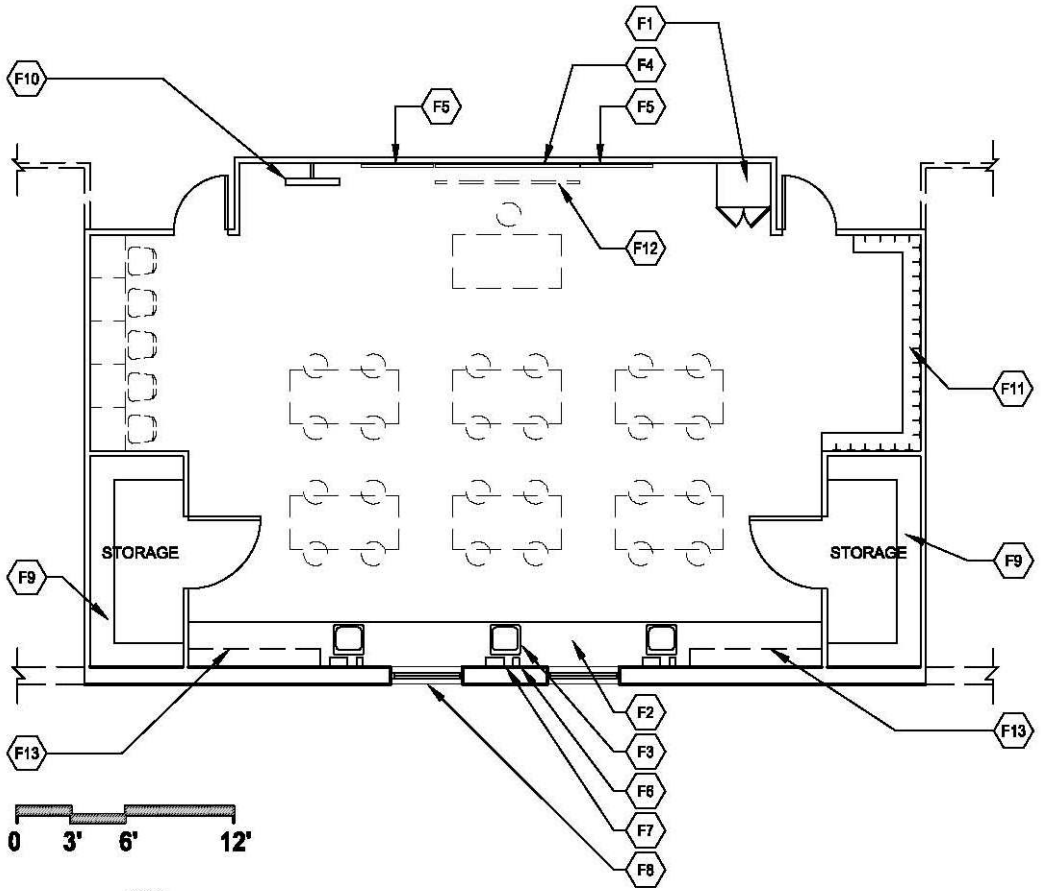
1. Grouped with other noise-producing areas
2. Adjacent to other specialized classroom spaces

Spatial Relationship Diagram

Food Preparation and Nutrition Classroom



PFA-1 Grades 1 thru 3 Practical and Fine Arts Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	22 students	
SIZE:	1,100 s.f.	
ANCILLARY SPACES:	Storage Area	120 s.f.

Key Notes:

F1 Tall wardrobe cabinet with locks
F2 Plastic laminate base cabinets and countertop
F3 Sink(s): specialty type: SS large, deep, single
F4 Whiteboard
F5 Tackboard
F6 Soap dispenser
F7 Paper towel dispenser
F8 Windows/daylight into space required
F9 16” deep adjustable shelving
F10 TV with wall mounting bracket
F11 Student storage shelf with coat hooks
F12 Overhead projection screen
F13 Plastic laminate upper cabinets

BIA School Facilities Grades 1-3 Practical&Fine Arts

Space Description — For square footages, see space template

1. Grades 1 thru 3 practical and fine arts classroom
2. Storage area

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions

Air pressure (balanced is assumed):	
• Negative	Yes
Hood requirements:	
• Hood potential only required	Yes in #1
Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Sinks: specialty type: SS large, deep, single	Yes in #1
Plaster sink traps	Yes in #1
Other plumbing equipment or requirements:	
•	

Acoustical Conditions

Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Specialized power requirements	Yes in #1
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
• Adjustable track lighting	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements

Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Soap dispenser		Yes											
• Paper towel dispenser		Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Sealed concrete	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Exposed to structure - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements

Special suspended loading requirements:	
• Coordinate Unistrut hanging system from underside of structure	Yes
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

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

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

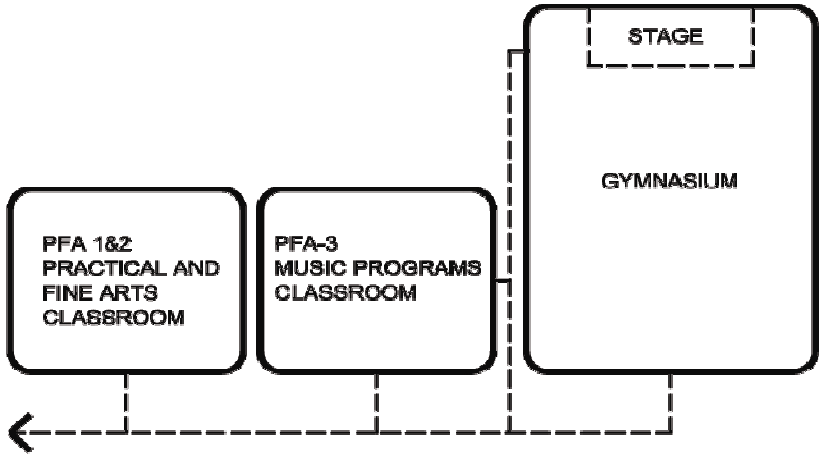
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

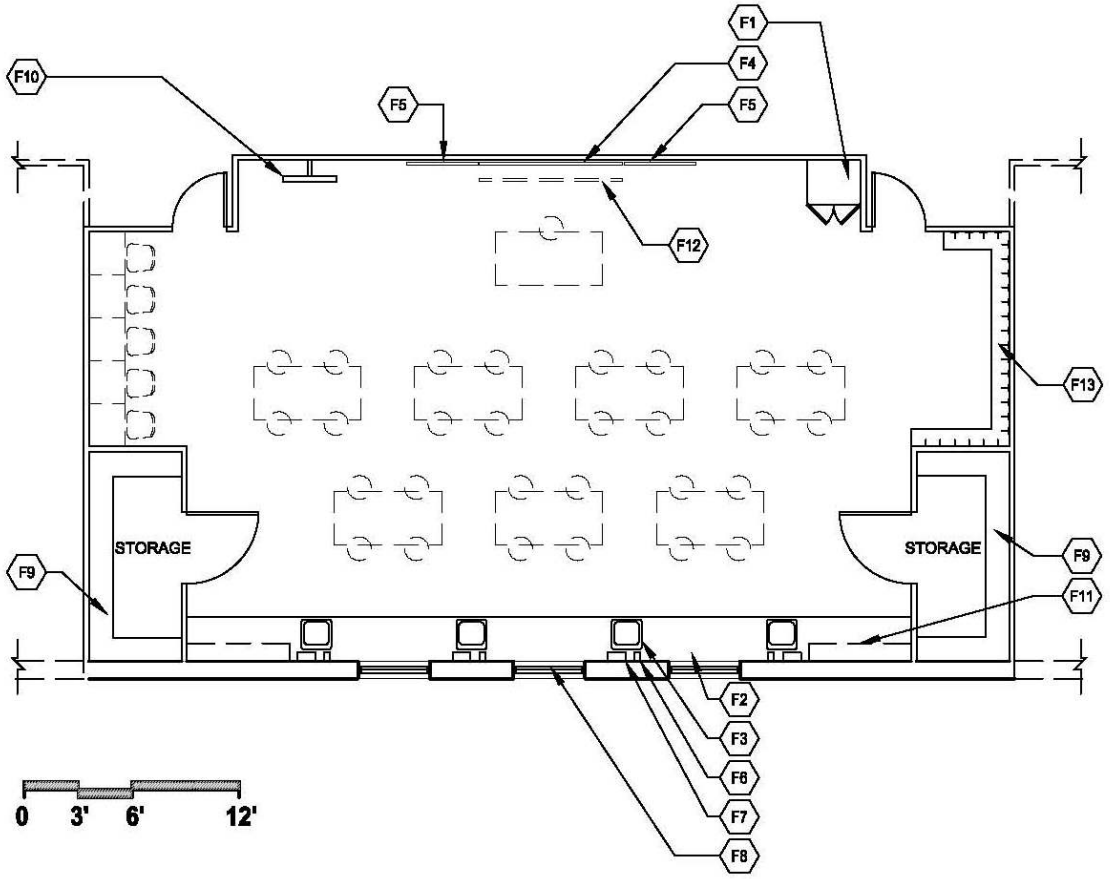
1. Near academic core classrooms
2. Direct access to outdoors

Spatial Relationship Diagram

Grades 1 thru 3 Practical and Fine Arts Classroom



PFA-2 Grades 1 thru 8 Practical and Fine Arts Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	25 students	
SIZE:	1,250 s.f.	
ANCILLARY SPACES:	Storage Area	120 s.f.

Key Notes:

F1 Tall wardrobe cabinet with locks
F2 Plastic laminate base cabinets and countertop
F3 Sink(s): specialty type: SS large, deep, single
F4 Whiteboard
F5 Tackboard
F6 Soap dispenser
F7 Paper towel dispenser
F8 Windows/daylight into space required
F9 16” deep adjustable shelving
F10 TV with wall mounting bracket
F11 Plastic laminate upper cabinets
F12 Overhead projection screen
F13 Student storage shelf with coat hooks

BIA School Facilities Grades 1-8 Practical&Fine Arts

Space Description — For square footages, see space template

1. Grade 1 thru 8 practical and fine arts classroom
2. Storage area

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions

Air pressure (balanced is assumed):	
• Negative	Yes
Hood requirements:	
• Hood potential only required	Yes in #1
Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Sinks: specialty type: SS large, deep, single	Yes in #1
Plaster sink traps	Yes in #1
Other plumbing equipment or requirements:	
•	

Acoustical Conditions

Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Specialized power requirements	Yes in #1
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
• Adjustable track lighting	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements

Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port, ceiling mounted)	Yes in #1, grades 7-8
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1, K-6 only
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Soap dispenser		Yes											
• Paper towel dispenser		Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Sealed concrete	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Exposed to structure - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements

Special suspended loading requirements:	
• Coordinate Unistrut hanging system from underside of structure	Yes
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

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

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

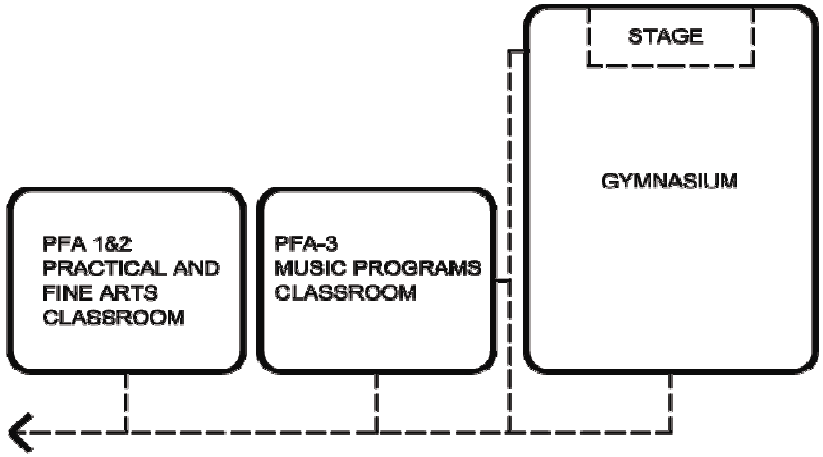
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

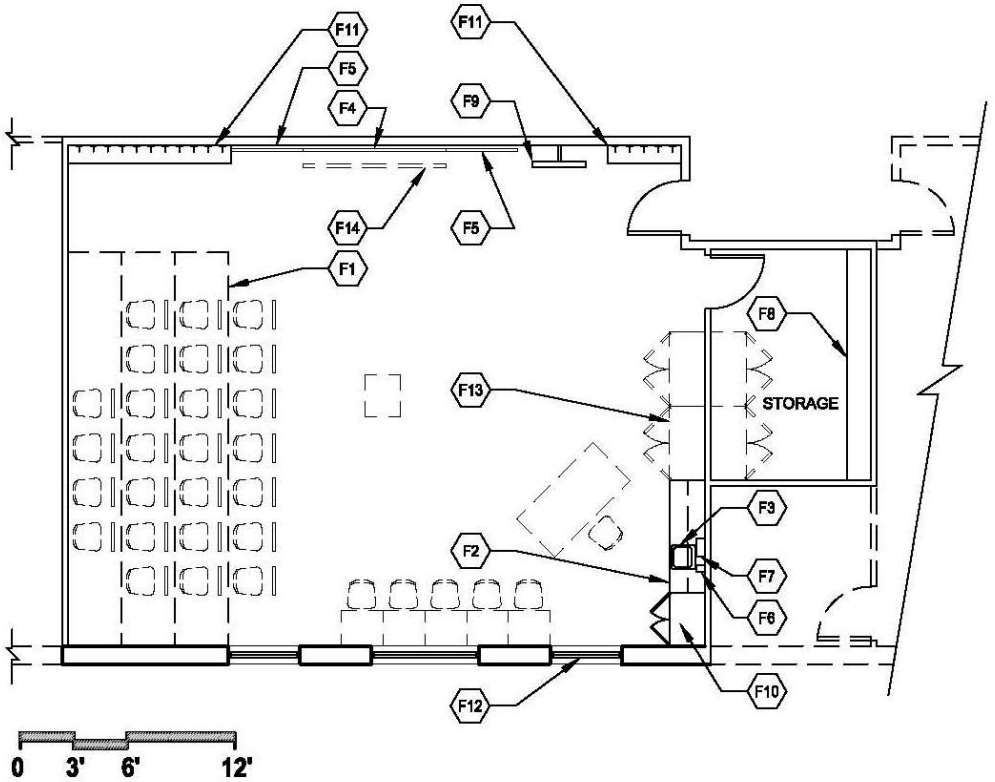
1. Near academic core classrooms
2. Direct access to outdoors

Spatial Relationship Diagram

Grades 1 thru 8 Practical and Fine Arts Classroom



PFA-3 Grades 1 thru 8 Music Programs Classroom



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	25 students	
SIZE:	1,250 s.f.	
ANCILLARY SPACES:	Storage Area	120 s.f.

Key Notes:

F1 Platform risers
F2 Plastic laminate base cabinets and countertop
F3 Sink(s): specialty type: SS large, deep, single
F4 Whiteboard
F5 Tackboard
F6 Soap dispenser
F7 Paper towel dispenser
F8 16” deep adjustable shelving
F9 TV with wall mounting bracket
F10 Tall wardrobe cabinet with locks
F11 Student storage shelf with coat hooks
F12 Windows/daylight into space required
F13 Music storage cabinets
F14 Overhead projection screen

BIA School Facilities	Grades 1-8 Music Programs
Space Description	For square footages, see space template
1. Grades 1 thru 8 music programs classroom	
2. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
● Negative	Yes in #2
Other HVAC equipment or requirements:	
●	

Plumbing	
Domestic water:	
● Hot	Yes in #1
● Cold	Yes in #1
Sinks: specialty type: SS large, deep, single	Yes in #1
Other plumbing equipment or requirements:	
●	

Acoustical Conditions	
Speech privacy	Yes
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	Yes

Electrical/Lighting	
Specialized power requirements	Yes in #1
Power outlet minimum number	Yes
Lighting requirements:	
● Automatic lighting controls	Yes in #1
● Indirect low glare	Yes in #1
● Multi-level switched	Yes in #1
Other electrical/lighting equipment or requirements:	
●	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
●	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
● 1' deep shelf w/coat hooks		Yes											
● Plastic laminate base cabinets		Yes											
● Plastic laminate countertops		Yes											
● Tall wardrobe cabinet		Yes											
● Locks		Yes											
● Platform risers		Yes											
● 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
● Acoustical wall panels		Yes											
● Acoustical ceiling elements		Yes											
● Soap dispenser		Yes											
● Paper towel dispenser		Yes											
● Music storage cabinets		Yes	Yes										

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
● CMU - painted	✓	✓										
● CMU - ground face, integral color	✓											
● Standard gypsum board - painted or vinyl covered	✓	✓										
● Other												
Base:												
● Resilient rubber	✓	✓										
● Other												
Floors:												
● Carpet	✓	✓										
● VCT		✓										
● Other												
Ceilings:												
● Minimum ceiling height	10'	10'										
● Lay-in acoustical	✓	✓										
● Other												
Windows:												
● Windows/daylight into space required	Yes											
● Operable window required	Yes											
Doors:												
● Wood	Yes	Yes										
● Sound retardant	Yes											
● Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Music students will listen to, analyze, compose, and describe music; sing alone and with others; play instruments; participate in creative movement, dance, and mime; understand music in relation to history and culture, and in relation to the other arts and academic disciplines.

Notes

Electrical:

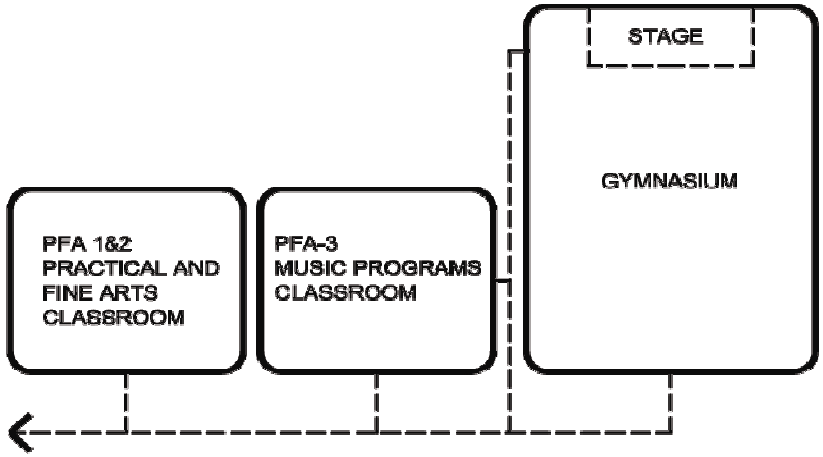
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

Key Space Design and Relationship Concepts

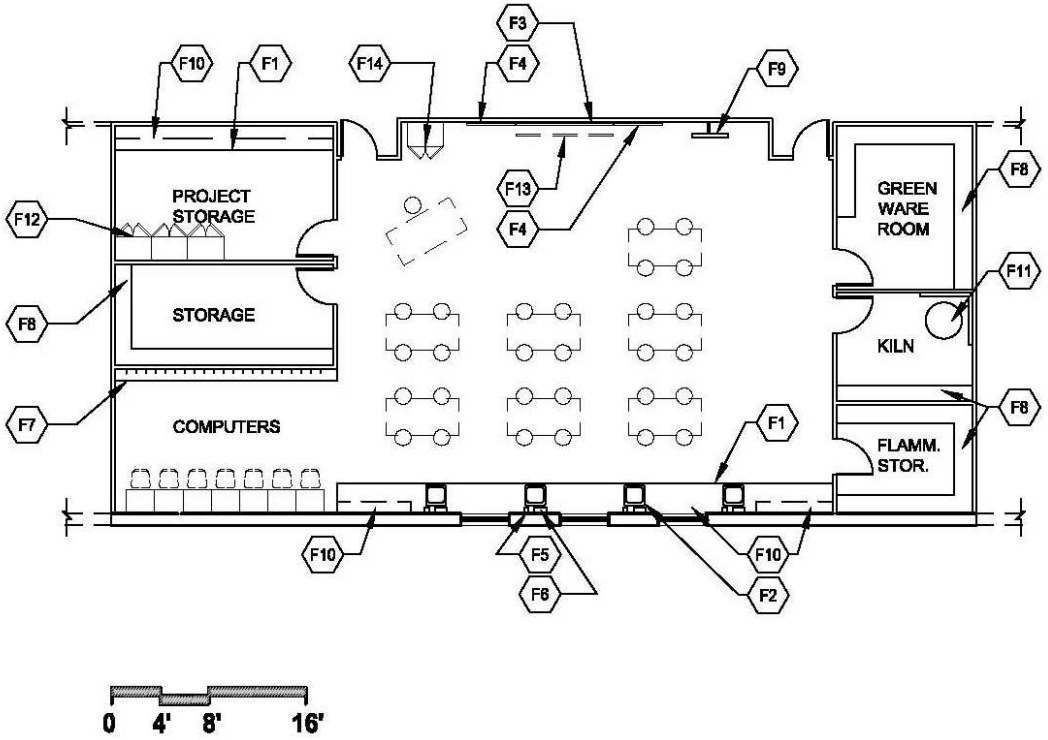
1. Grouped with other noise-producing activities
2. Near platform

Spatial Relationship Diagram

Grades 1 thru 8 Music Programs Classroom



PA-1 Practical Arts Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	25 students	
SIZE:	1,500 s.f.	
ANCILLARY SPACES:	General Storage Area	150 s.f.
	Project Storage	200 s.f.
	Kiln Room	100 s.f.
	Green Ware Room	150 s.f.
	Flammable Storage	Per Code

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Sink(s): specialty type: SS large, deep, single
F3 Whiteboard
F4 Tackboard
F5 Soap dispenser
F6 Paper towel dispenser
F7 Student storage shelf with coat hooks
F8 16” deep adjustable shelving
F9 TV with wall mounting bracket
F10 Plastic laminate upper cabinets
F11 Kiln
F12 Project storage cabinets with locks
F13 Overhead projection screen
F14 Tall wardrobe cabinet

BIA School Facilities	High School Practical Arts
Space Description	For square footages, see space template
1. Practical arts classroom	
2. General storage area	
3. Project storage area*	
4. Flammables storage area*	
5. Kiln room*	
6. Greenware room*	

* Requires BIE approval

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Flammables storage exhaust	Yes in #4
Kiln exhaust	Yes in #5
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Sinks: specialty type: SS large, deep, single	Yes in #1
Plaster sink traps	Yes in #1
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
• Adjustable track lighting	Yes in #1
Ceiling outlet for projector	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port, ceiling mounted)	Yes in #1
Wireless access point outlet (2-port)	Reg. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes		Yes									
• Plastic laminate countertops		Yes		Yes									
• Plastic laminate upper cabinets		Yes		Yes									
• Tall wardrobe cabinet		Yes											
• Locks				Yes									
• 16" deep adjustable shelving			Yes		Yes	Yes	Yes						
Other furnishings/millwork/ equipment or requirements:													
• Soap dispenser		Yes											
• Paper towel dispenser		Yes											
• Kiln w/noncombustible material on wall						Yes							

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓						
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓						
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓						
• Other												
Floors:												
• VCT	✓	✓	✓	✓	✓	✓						
• Sheet vinyl	✓	✓	✓	✓	✓	✓						
• Sealed concrete	✓	✓	✓	✓	✓	✓						
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"						
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓						
• Lay-in acoustical	✓	✓	✓	✓	✓	✓						
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes	Yes						
• With glazed lites	Yes											
• Other												

Structural Requirements

Special suspended loading requirements:	
• Coordinate Unistrut hanging system from underside of structure	Yes
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Art students will work on a variety of two- and three-dimensional art projects. Projects will include drawing and painting, computer graphics, sculpture and model making, collage, fiber arts, and ceramics.
2. Art supplies and art projects will be kept in the storage areas.
3. Art projects in ceramics and pottery will be fired in the kiln by the teacher.
4. Pottery will be cured and stored in the greenware room.
5. Flammable paints and chemicals will be stored in the flammables storage room.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide dedicated power to indicated equipment.
8. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

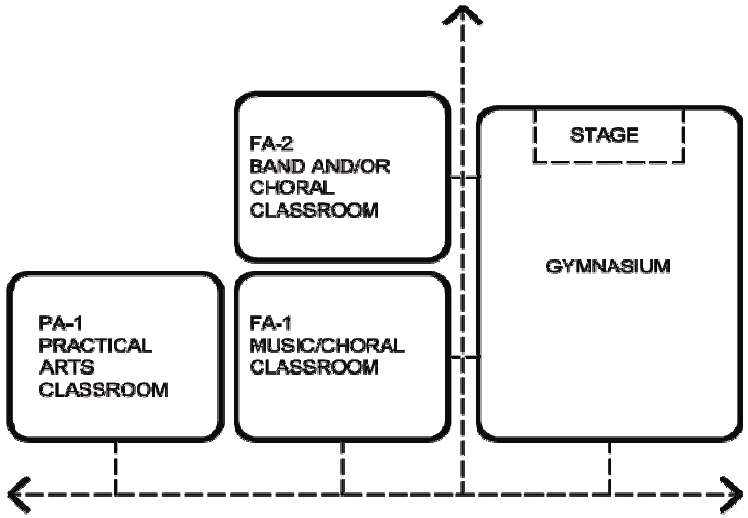
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

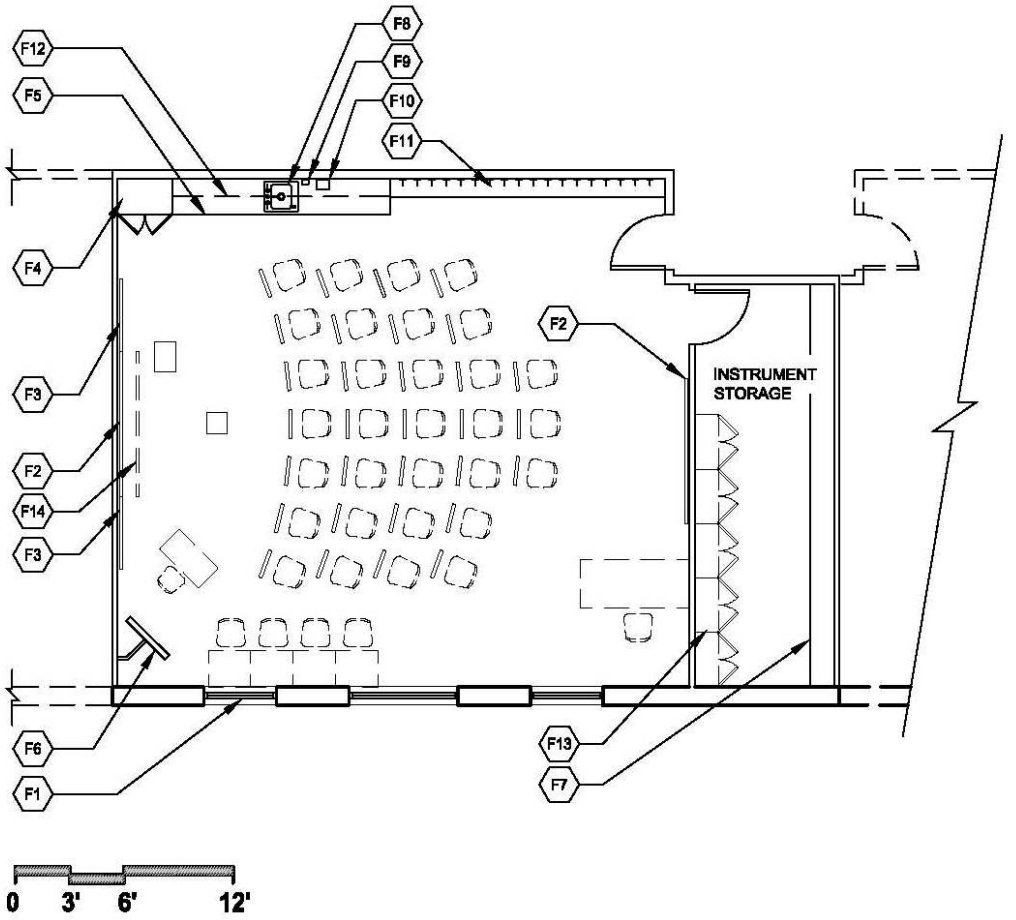
1. Near academic core classrooms
2. Direct access to outdoors

Spatial Relationship Diagram

High School Practical Arts Classroom



FA-1 Music and Choral Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	30 students	
SIZE:	900 s.f.	
ANCILLARY SPACES:	Instrument Storage	150 s.f.

Key Notes:

F1 Windows/daylight into space required
F2 Whiteboard
F3 Tackboard
F4 Tall wardrobe cabinet with locks
F5 Plastic laminate base cabinets and countertop
F6 TV with wall mounting bracket
F7 16” deep adjustable shelving
F8 Sink(s): specialty type: SS large, deep, single
F9 Soap dispenser
F10 Paper towel dispenser
F11 Student storage shelf with coat hooks
F12 Plastic laminate upper cabinets
F13 Project storage cabinets
F14 Overhead projection screen

BIA School Facilities Music and Choral Classroom

Space Description — For square footages, see space template

1. Music and choral classroom
2. Instrument storage

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions

Air pressure (balanced is assumed):	
• Negative	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Sinks: specialty type: SS large, deep, deep, single	Yes in #1
Other plumbing equipment or requirements:	
•	

Acoustical Conditions

Speech privacy	Yes
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	Yes

Electrical/Lighting

Specialized power requirements	Yes in #1
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Indirect low glare	Yes in #1
• Multi-level switched	Yes in #1
Ceiling outlet for projector	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements

Communication outlet (4-port) - teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port) ceiling mounted	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• Platform risers		Yes											
• 16" deep adjustable shelving			Yes										
• Musical instrument storage			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes											
• Acoustical ceiling elements		Yes											
• Soap dispenser		Yes											
• Paper towel dispenser		Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Carpet	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• Sound retardant	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. All instrumental music activities, including orchestra, concert jazz, and pep bands
2. Individual, small group, and class size practice
3. Computer composition and performance of music
4. Vocal music activities, including chamber choir, concert and swing choirs
5. Music reading instruction

Notes

Electrical:

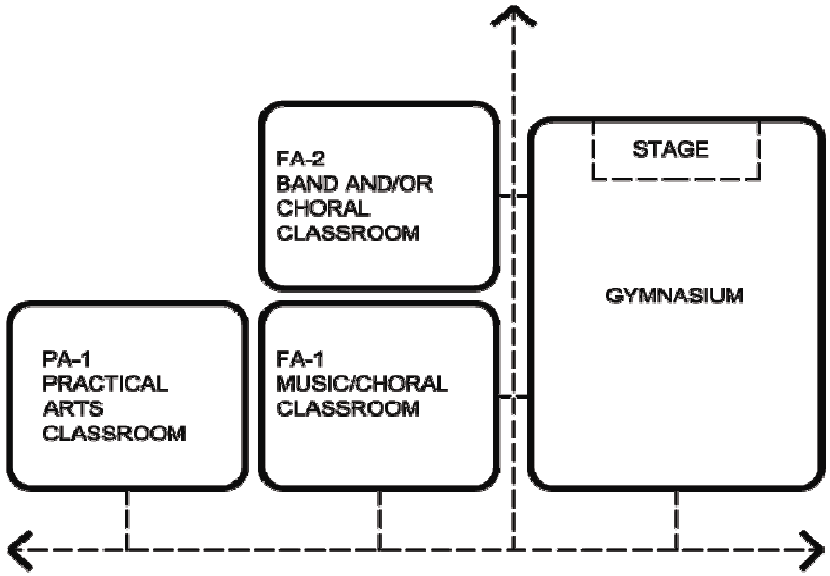
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

Key Space Design and Relationship Concepts

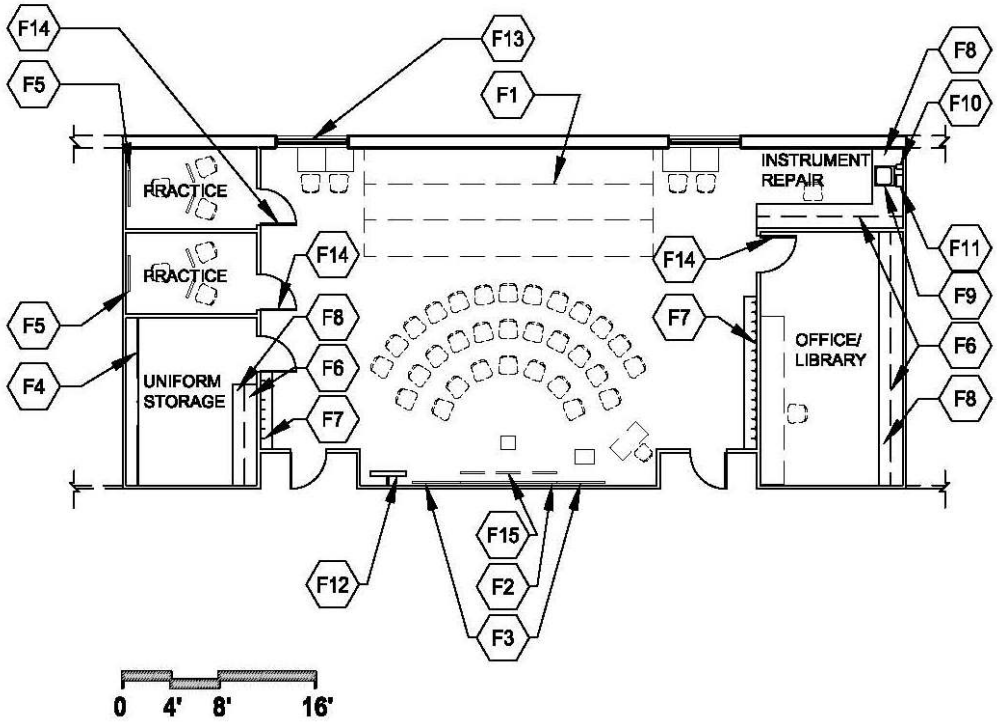
1. Grouped with other noise-producing activities
2. Near platform

Spatial Relationship Diagram

Music and Choral Classroom



FA-2 Band and Choral Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. See *BIE Space Criteria Handbook* for space increase allowance if program has more than 30 students.

CAPACITY:	30 students	
SIZE:	1,200 s.f.	
ANCILLARY SPACES:	Uniform and Music Storage	150 s.f.
	Instrument Repair Area	80 s.f.
	Practice Rooms (2)	75 s.f.
	Instructors Office & Library	250 s.f.

Key Notes:

F1 Portable risers
F2 Whiteboard
F3 Tackboard
F4 Clothes hanging rod and shelf
F5 Mirror
F6 Plastic laminate upper cabinets
F7 Student storage shelf with coat hooks
F8 Plastic laminate base cabinets and countertop
F9 Sink(s): specialty type: SS large, deep, single
F10 Soap dispenser
F11 Paper towel dispenser
F12 TV with wall mounting bracket
F13 Windows/daylight into space required
F14 Window in door
F15 Overhead projection screen

BIA School Facilities **Band and Choral Classroom**

Space Description — For square footages, see space template

1. Band and choral classroom
2. Uniform and music storage
3. Instrument repair area
4. Practice rooms (2)
5. Instructor's office and library

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #3
• Cold	Yes in #3
Sinks: specialty type: SS large, deep, single	Yes in #3
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	Yes
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	Yes

Electrical/Lighting	
Specialized power requirements	Yes in #1
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Direct/indirect lighting	Yes
• Multi-level switched	Yes
Ceiling outlet for projector	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes in #5
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Projector outlet (1-port) ceiling mounted	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets			Yes	Yes		Yes							
• Plastic laminate countertops			Yes	Yes		Yes							
• Plastic laminate upper cabinets			Yes	Yes		Yes							
• Clothes hanging rod and shelf			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes		Yes	Yes								
• Acoustical ceiling elements		Yes		Yes	Yes								
• Portable risers		Yes											
• Mirror (24" x 48")					Yes								
• Soap dispenser				Yes									
• Paper towel dispenser				Yes									

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓							
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓							
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓							
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓							
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'	9'	9'	9'							
• Lay-in acoustical	✓	✓	✓	✓	✓							
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window				Yes								
Doors:												
• Wood	Yes	Yes		Yes	Yes							
• Sound retardant	Yes			Yes	Yes							
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. All instrumental music activities, including orchestra, concert jazz, and pep bands
2. Individual, small group, and class size practice
3. Computer composition and performance of music
4. Vocal music activities, including chamber choir, concert and swing choirs
5. Music reading instruction

Notes

Electrical:

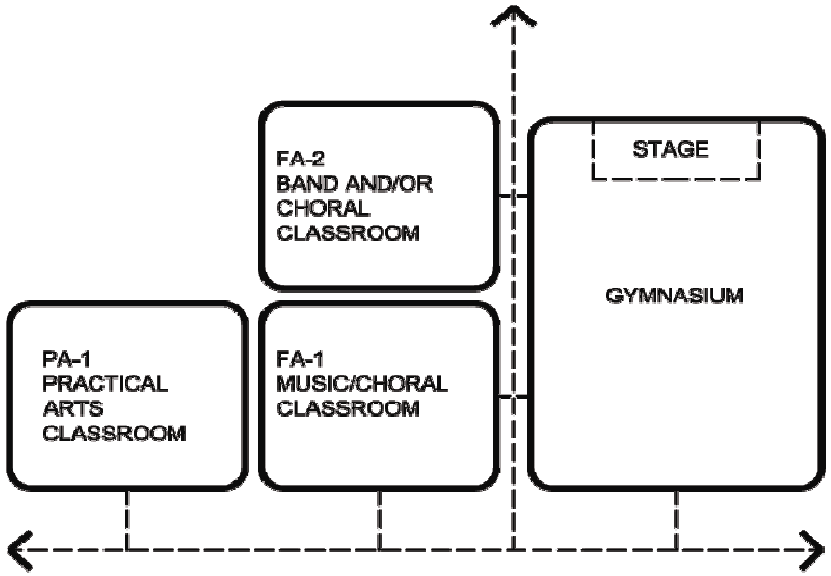
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

Key Space Design and Relationship Concepts

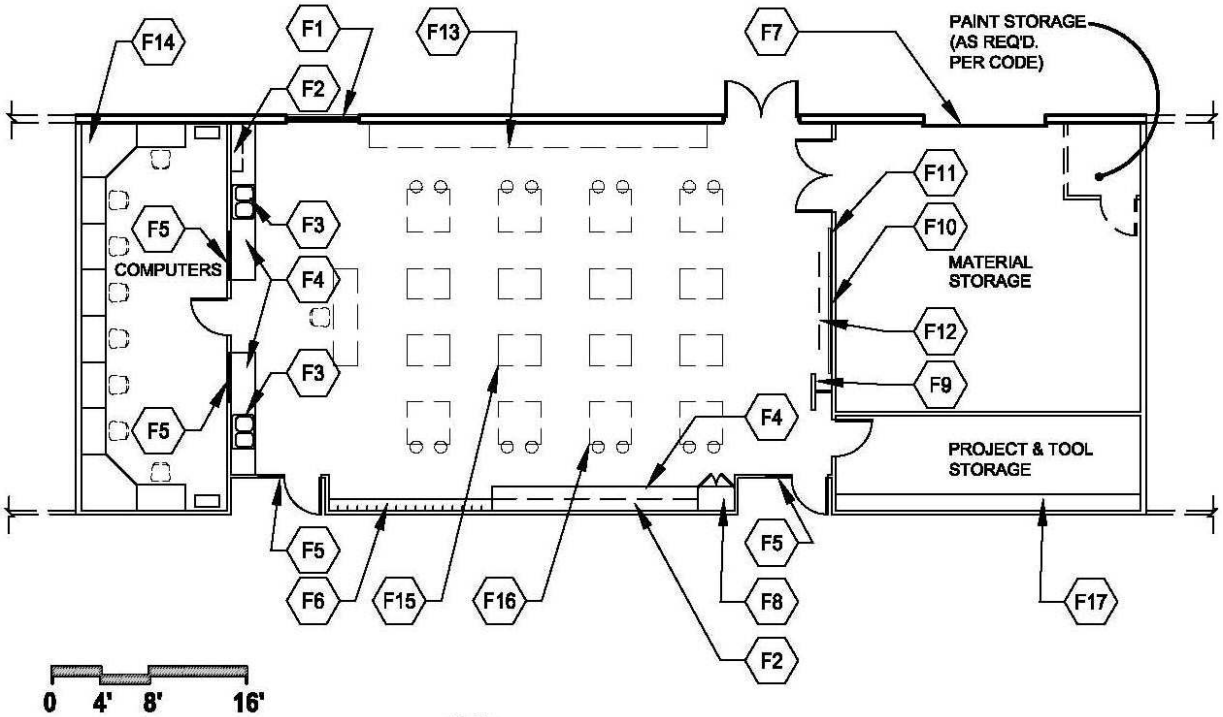
1. Grouped with other noise-producing activities
2. Near platform

Spatial Relationship Diagram

Band and Choral Classroom



VE-1 Middle School Vocational Education Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of classroom s.f.

CAPACITY:	16 students	
SIZE:	1,920 s.f.	
ANCILLARY SPACES:	Material Storage	600 s.f.
	Project & Tool Storage	200 s.f.
	Paint Storage	Per Code

Key Notes:

F1 Windows/daylight into space required
F2 Plastic laminate upper cabinets
F3 Sink(s): specialty type: SS large, deep, dual
F4 Plastic laminate base cabinets and countertop
F5 Interior window
F6 Student storage shelf with coat hooks
F7 Overhead garage door (10’ x 10’)
F8 Tall wardrobe cabinet with locks
F9 TV with wall mounting bracket
F10 Whiteboard
F11 Tackboard
F12 Overhead projection screen
F13 Project storage cabinets
F14 Plastic laminate countertops for computer workstations
F15 Tool benches with storage under
F16 Student work tables
F17 16” deep adjustable shelving

Chapter A8: Vocational Education

VE-1 Middle School Vocational Education Classroom Space Criteria

BIA School Facilities	Vocational Ed Classroom
Space Description	For square footages, see space template
1. Middle school vocational education classroom	
2. Material storage	
3. Project and tool storage	
4. Computer lab	
5. Paint storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,4
Master shutoff for outlets	Yes in #1
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,4
• Direct/indirect lighting	Yes in #1,4
• Multi-level switched	Yes in #1,4
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
• As required to conform to educational program	Yes

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Space has own exhaust mode - general area	As required
Hood requirements:	
• Hood potential only required	Yes
Individual room air temp. control	Yes in #4
Other HVAC equipment or requirements:	
• As required to conform to educational program	Yes

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #4
CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Reg. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Floor drain	Yes in #1
Sink(s): specialty type: SS large, deep, dual	Yes in #1
Emergency shower	As required
Eyewash station	As required
Other plumbing equipment or requirements:	
• As required to conform to educational program	Yes

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes			Yes								
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving		Yes											
Other furnishings/millwork/ equipment or requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓							
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓							
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓							
• Other												
Floors:												
• VCT	✓	✓	✓	✓	✓							
• Sheet vinyl	✓	✓	✓	✓	✓							
• Sealed concrete	✓	✓	✓	✓	✓							
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"							
• Exposed to structure - painted	✓	✓	✓	✓	✓							
• Lay-in acoustical	✓	✓	✓	✓	✓							
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	✓	✓	✓	✓								
• Hollow metal	✓	✓	✓	✓								
• With glazed lites	Yes			Yes								
• Exterior door required	Yes											
• Overhead garage door (10' x 10' insulated)		Yes										

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Special floor loading requirements:	
• Coordinate equipment load req.	Yes
Special suspended loading requirements:	
• Coordinate hung equipment req.	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Provides space for instruction in the use of tools, materials, and processes and in applying knowledge of planning and design to actual fabrication of projects.
2. Classroom layout includes a clean, separated computer lab for research and project design.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide exterior emergency lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent rooms. Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

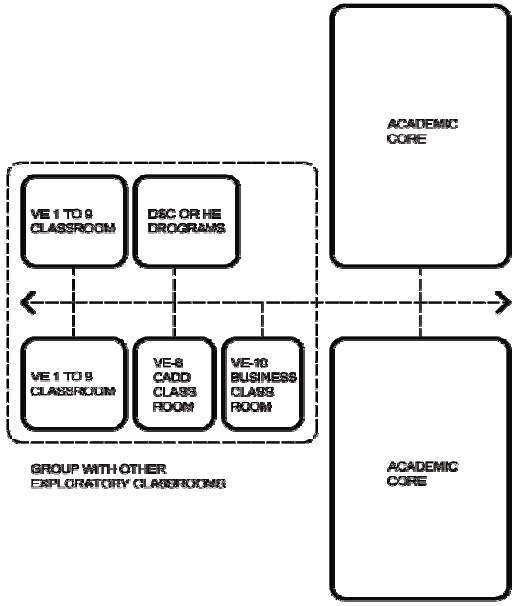
HVAC
1. A dedicated exhaust system may be required.

Key Space Design and Relationship Concepts

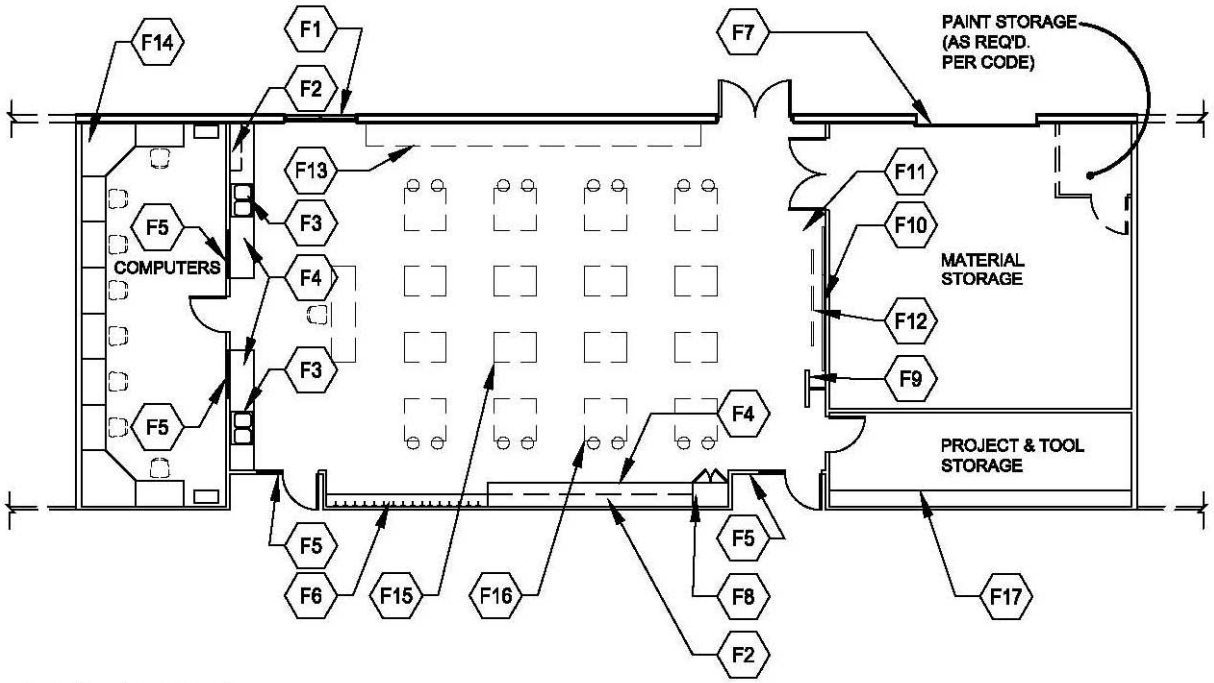
1. Grouped with other noise-producing areas
2. Access to driveway and parking
3. Direct access to outdoors

Spatial Relationship Diagram

Vocational Education Classroom



VE-2 High School Vocational Education Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of classroom s.f.

CAPACITY:	16 students	
SIZE:	1,920 s.f.	
ANCILLARY SPACES:	Material Storage	600 s.f.
	Project & Tool Storage	200 s.f.
	Paint Storage	Per Code

Key Notes:

F1 Windows/daylight into space required
F2 Plastic laminate upper cabinets
F3 Sink(s): specialty type: SS large, deep, dual
F4 Plastic laminate base cabinets and countertop
F5 Interior window
F6 Student storage shelf with coat hooks
F7 Overhead garage door (10’ x 10’)
F8 Tall wardrobe cabinet with locks
F9 TV with wall mounting bracket
F10 Whiteboard
F11 Tackboard
F12 Overhead projection screen
F13 Project storage cabinets
F14 Plastic laminate countertops for computer workstations
F15 Tool benches with storage under
F16 Student work tables
F17 16” deep adjustable shelving

BIA School Facilities	Vocational Ed Classroom
Space Description	For square footages, see space template
1. High school vocational education classroom	
2. Material storage	
3. Project and tool storage	
4. Computer lab	
5. Paint storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,4
Master shutoff for outlets	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,4
• Direct/indirect lighting	Yes in #1,4
• Multi-level switched	Yes in #1,4
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
• As required to conform to educational program	Yes

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Space has own exhaust mode - general area	As required
Hood requirements:	
• Hood potential only required	Yes
Individual room air temp. control	Yes in #4
Other HVAC equipment or requirements:	
• As required to conform to educational program	Yes

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #4
CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Sink(s): specialty type: SS large, deep, dual	Yes in #1
Emergency shower	As required
Eyewash station	As required
Other plumbing equipment or requirements:	
• As required to conform to educational program	Yes

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes			Yes								
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving				Yes									
Other furnishings/millwork/ equipment or requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓							
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓							
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓							
• Other												
Floors:												
• VCT	✓	✓	✓	✓	✓							
• Sheet vinyl	✓	✓	✓	✓	✓							
• Sealed concrete	✓	✓	✓	✓	✓							
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"							
• Exposed to structure - painted	✓	✓	✓	✓	✓							
• Lay-in acoustical	✓	✓	✓	✓	✓							
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	✓	✓	✓	✓								
• Hollow metal	✓	✓	✓	✓								
• With glazed lites	Yes			Yes								
• Exterior door required	Yes											
• Overhead garage door (10' x 10' insulated)		Yes										

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Special floor loading requirements:	
• Coordinate equipment load req.	Yes
Special suspended loading requirements:	
• Coordinate hung equipment req.	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Provides space for instruction in the use of tools, materials, and processes and in applying knowledge of planning and design to actual fabrication of projects.
2. Classroom layout includes a clean, separated computer lab for research and project design.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide exterior emergency lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent rooms. Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

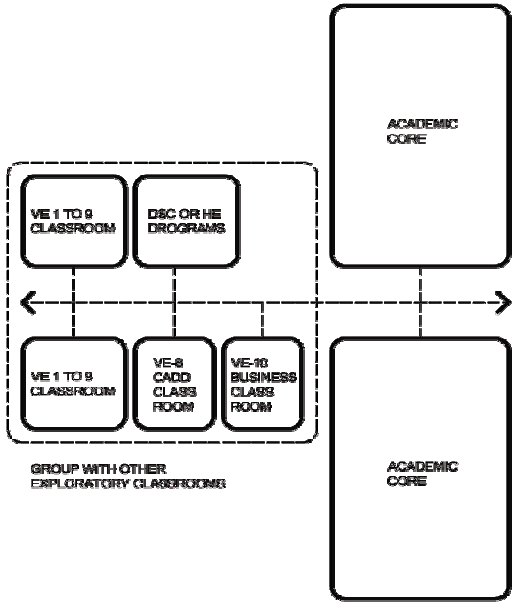
HVAC
1. A dedicated exhaust system may be required.

Key Space Design and Relationship Concepts

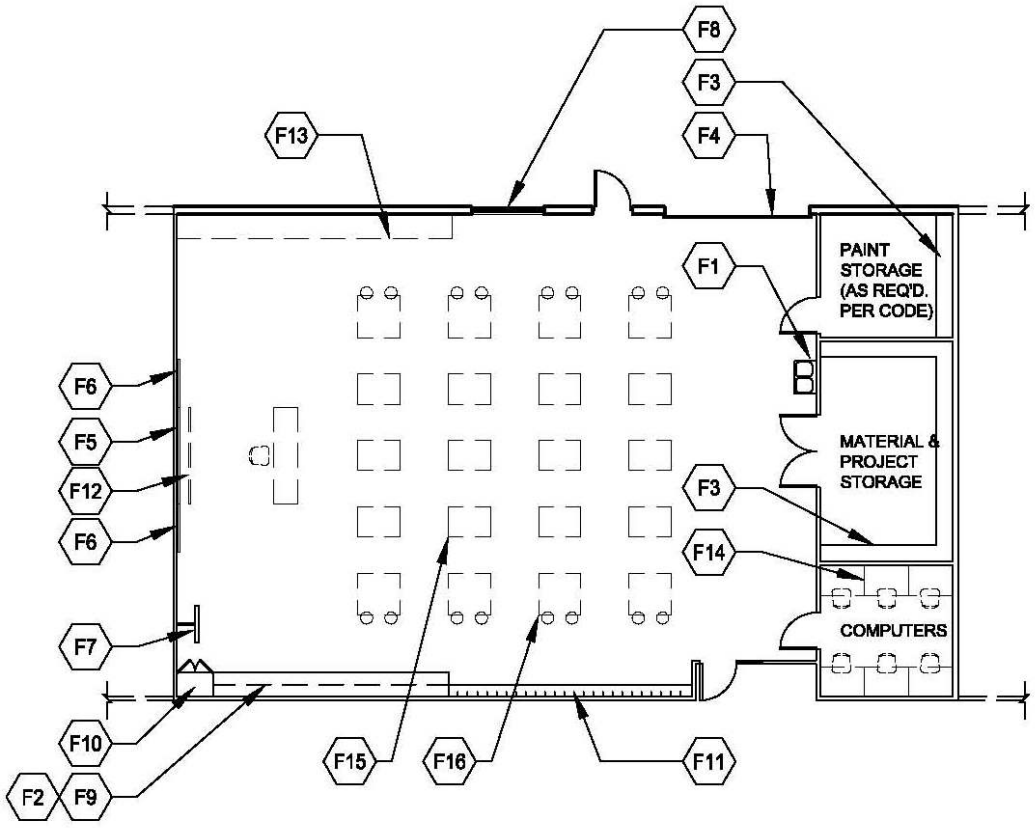
1. Grouped with other noise-producing areas
2. Access to driveway and parking
3. Direct access to outdoors

Spatial Relationship Diagram

Vocational Education Classroom



VE-3 Industrial Arts Shop



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of classroom s.f.

CAPACITY:	16 students	
SIZE:	2,240 s.f.	
ANCILLARY SPACES:	Material & Project Storage	200 s.f.
	Paint Storage	Per Code

Key Notes:

F1 Sink(s): specialty type: SS large, deep, dual
F2 Plastic laminate base cabinets and countertop
F3 16" deep adjustable shelving
F4 Overhead garage door (12' x 10')
F5 Whiteboard
F6 Tackboard
F7 TV with wall mounting bracket
F8 Windows/daylight into space required
F9 Plastic laminate upper cabinets
F10 Tall wardrobe cabinet with locks
F11 Student storage shelf with coat hooks
F12 Overhead projection screen
F13 Project storage cabinets
F14 Plastic laminate countertops for computer workstations
F15 Tool benches with storage under
F16 Student work tables

BIA School Facilities	Industrial Arts Shop
Space Description	For square footages, see space template
1. Industrial arts shop	
2. Material and project storage	
3. Computer lab	
4. Paint storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,3
Master shutoff for outlets	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3
• Direct/indirect lighting	Yes in #1,3
• Multi-level switched	Yes in #1,3
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
• As required to conform to educational program	Yes

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Space has own exhaust mode - general area	As required
Hood requirements:	
• Hood potential only required	Yes
Individual room air temp. control	Yes in #3
Other HVAC equipment or requirements:	
• As required to conform to educational program	Yes

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #3
CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Floor drain	Yes in #1
Sink(s): specialty type: SS large, deep, dual	Yes in #1
Emergency shower	As required
Eyewash station	As required
Other plumbing equipment or requirements:	
• As required to conform to educational program	Yes

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes		Yes									
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes		Yes								
Other furnishings/millwork/ equipment or requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓								
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓								
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓								
• Other												
Floors:												
• VCT	✓	✓	✓	✓								
• Sheet vinyl	✓	✓	✓	✓								
• Sealed concrete	✓	✓	✓	✓								
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"								
• Exposed to structure - painted	✓	✓	✓	✓								
• Lay-in acoustical			✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	✓	✓	✓	✓								
• Hollow metal	✓	✓	✓	✓								
• With glazed lites	Yes		Yes									
• Exterior door required	Yes											
• Overhead garage door (12' x 10' insulated)	Yes											

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Special floor loading requirements:	
• Coordinate equipment load req.	Yes
Special suspended loading requirements:	
• Coordinate hung equipment req.	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Provides space for instruction in the use of tools, materials, and processes and in applying knowledge of planning and design to actual fabrication of projects.
2. Classroom layout includes a clean, separated computer lab for research and project design.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide exterior emergency lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent rooms. Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

HVAC

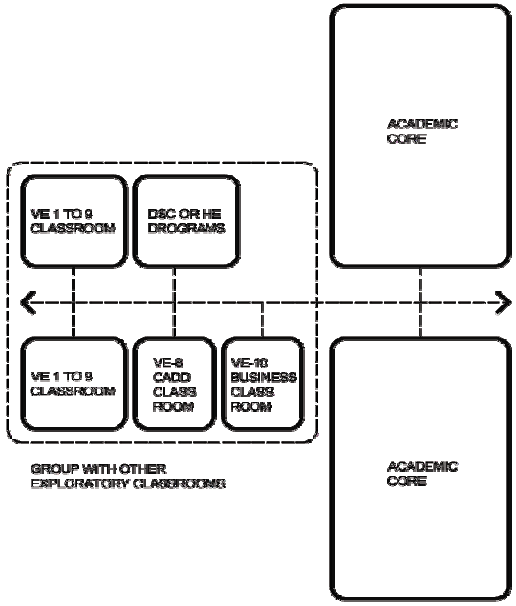
1. A dedicated exhaust system may be required.

Key Space Design and Relationship Concepts

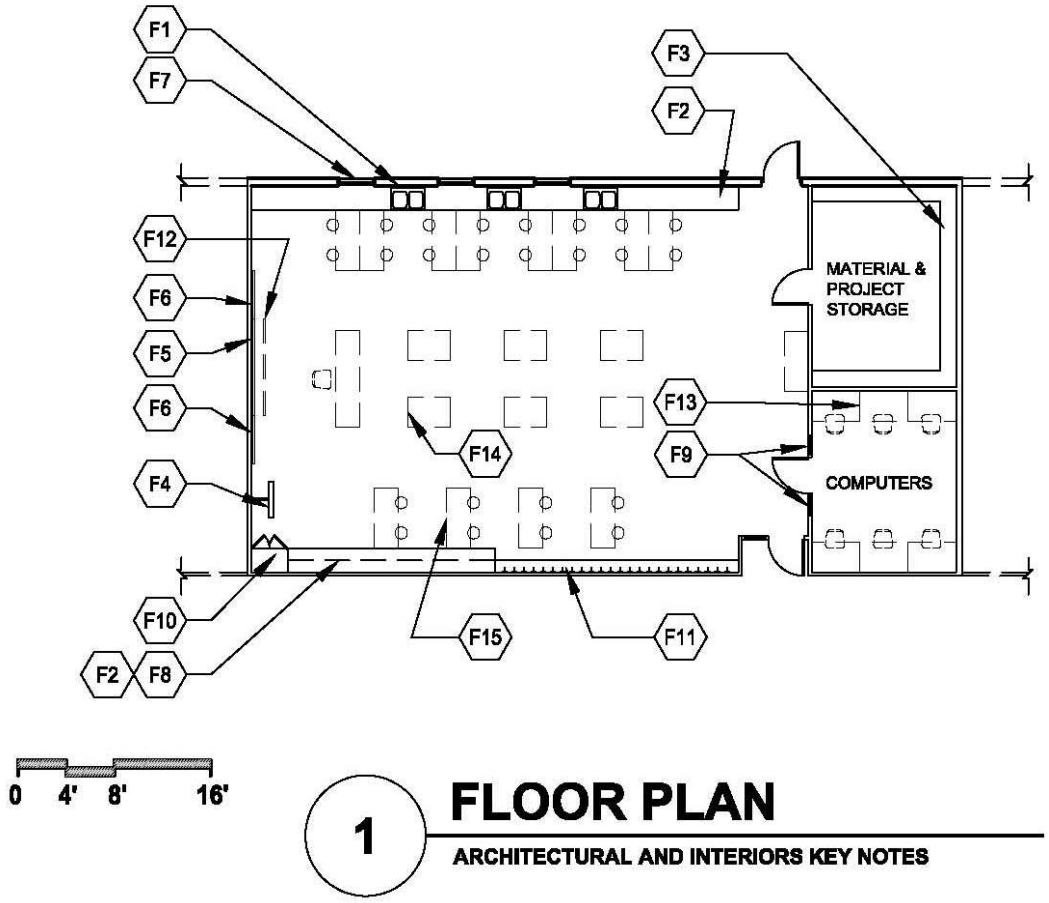
1. Grouped with other noise-producing areas
2. Access to driveway and parking
3. Direct access to outdoors

Spatial Relationship Diagram

Industrial Arts Shop



VE-4 Electrical Shop



Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of classroom s.f.

CAPACITY:	16 students	
SIZE:	1,680 s.f.	
ANCILLARY SPACES:	Material & Project Storage	200 s.f.

Key Notes:

F1 Sink(s): specialty type: SS large, deep, dual
F2 Plastic laminate base cabinets and countertop
F3 16" deep adjustable shelving
F4 TV with wall mounting bracket
F5 Whiteboard
F6 Tackboard
F7 Windows/daylight into space required
F8 Plastic laminate upper cabinets
F9 Interior window
F10 Tall wardrobe cabinet with locks
F11 Student storage shelf with coat hooks
F12 Overhead projection screen
F13 Plastic laminate countertops for computer workstations
F14 Tool benches with storage under
F15 Student work tables

BIA School Facilities	Electrical Shop
Space Description	For square footages, see space template
1. Electrical shop	
2. Material and project storage	
3. Computer lab	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Individual room air temp. control	Yes in #3
Other HVAC equipment or requirements:	
• As required to conform to educational program	Yes

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Floor drain	Yes in #1
Sink(s): specialty type: SS large, deep, dual	Yes in #1
Other plumbing equipment or requirements:	
• As required to conform to educational program	Yes

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,3
Master shutoff for outlets	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3
• Direct/indirect lighting	Yes in #1,3
• Multi-level switched	Yes in #1,3
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
• As required to conform to educational program	Yes

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #3
CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes		Yes									
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Sealed concrete	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓	✓	✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	✓	✓	✓									
• Hollow metal	✓	✓	✓									
• With glazed lites	Yes		Yes									
• Exterior door required	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Special floor loading requirements:	
• Coordinate equipment load req.	Yes
Special suspended loading requirements:	
• Coordinate hung equipment req.	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Provides space for instruction in electrical systems design, design and installation of electrical wiring systems, and understanding and maintenance of electrical systems in motors and appliances as well as in residential and commercial buildings.
2. Blueprint reading.
3. Classroom layout includes a clean, separated computer lab for research and project design.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide exterior emergency lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent rooms. Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

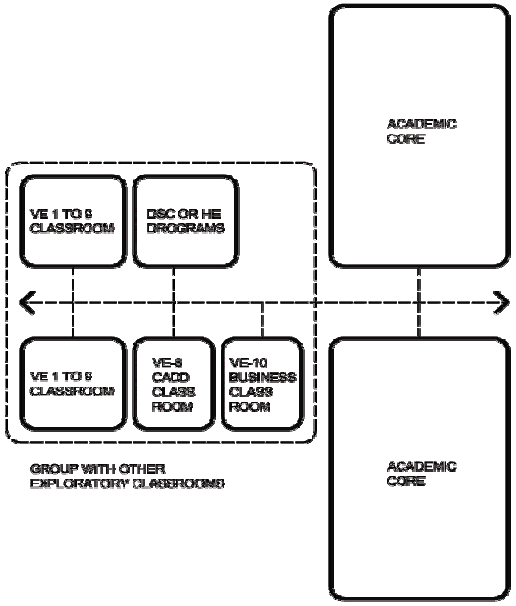
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

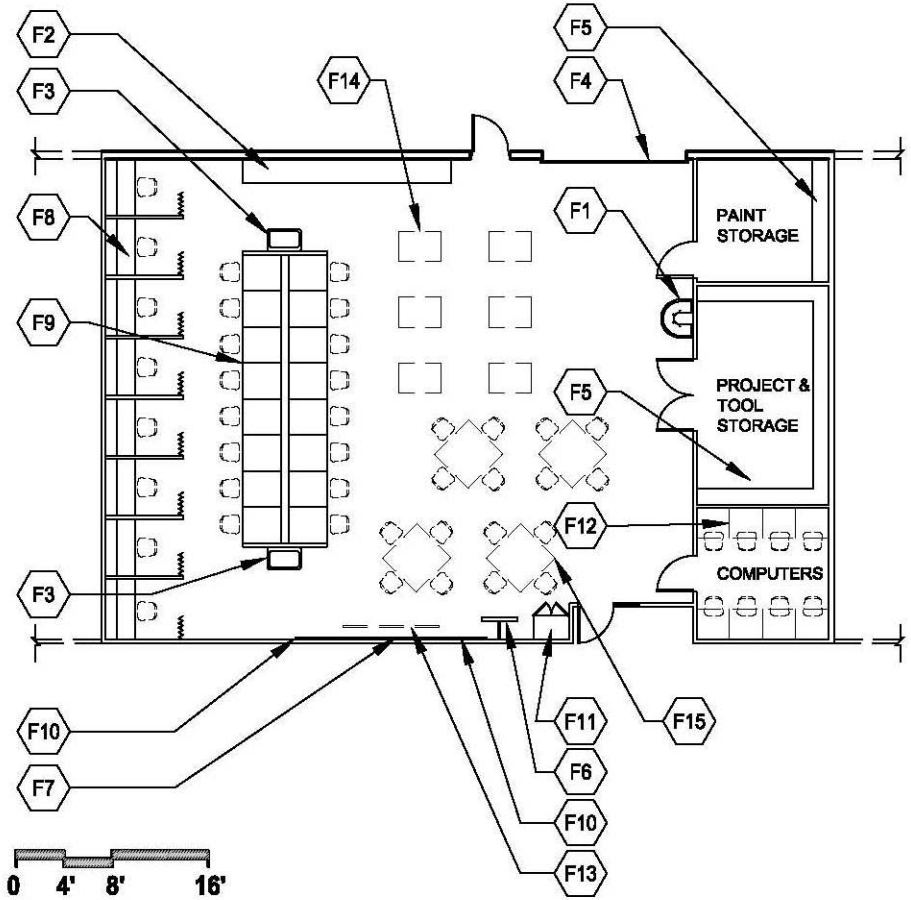
1. Grouped with other noise-producing areas
2. Access to driveway and parking
3. Direct access to outdoors

Spatial Relationship Diagram

Electrical Shop



VE-5 Metals Shop



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of classroom s.f.

CAPACITY:	16 students	
SIZE:	2,080 s.f.	
ANCILLARY SPACES:	Project & Tool Storage	200 s.f.
	Paint Storage	Per Code

Key Notes:

F1 Sink(s): specialty type: SS wash fountain
F2 Metal workbench
F3 Sink(s): specialty type: SS utility sink
F4 Overhead garage door – 12’ x 10’
F5 16” deep adjustable shelving
F6 TV with wall mounting bracket
F7 Whiteboard
F8 Arc welding stations
F9 Oxygen acetylene welding stations
F10 Tackboard
F11 Tall wardrobe cabinet with locks
F12 Plastic laminate countertops for computer workstations
F13 Overhead projection screen
F14 Tool benches with storage under
F15 Student work tables

BIA School Facilities	Metals Shop
Space Description	For square footages, see space template
1. Metals shop	
2. Project and tool storage	
3. Computer lab	
4. Paint storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,3
Master shutoff for outlets	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3
• Direct/indirect lighting	Yes in #1,3
• Multi-level switched	Yes in #1,3
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Metal workbench (12')		Yes											
• Plastic laminate countertops				Yes									
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes		Yes								
Other furnishings/millwork/ equipment or requirements:													
•													

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Space has own exhaust mode - general area	Yes
Individual room air temp. control	Yes in #3
Other HVAC equipment or requirements:	
• Ventilation systems for welding stations	Yes in #1

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #3
CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Reg. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Floor drain	Yes in #1
Sink(s): specialty type: SS wash fountain	Yes in #1
Sink(s): specialty type: SS utility sink	Yes in #1
Emergency shower	As required
Eyewash station	As required
Other plumbing equipment or requirements:	
• As required to conform to educational program	Yes

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓								
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓								
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓								
• Other												
Floors:												
• VCT	✓	✓	✓	✓								
• Sheet vinyl	✓	✓	✓	✓								
• Sealed concrete	✓	✓	✓	✓								
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"								
• Exposed to structure - painted	✓	✓	✓	✓								
• Lay-in acoustical			✓									
• Other												
Windows:												
• Interior borrowed light window	Yes											
Doors:												
• Wood	✓	✓	✓	✓								
• Hollow metal	✓	✓	✓	✓								
• With glazed lites	Yes		Yes									
• Exterior door required	Yes											
• Overhead garage door (12' x 10' insulated)	Yes											

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Special floor loading requirements:	
• Coordinate equipment load req.	Yes
Special suspended loading requirements:	
• Coordinate hung equipment req.	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Specialty Systems	
Arc welding stations	Yes in #1
Oxygen-acetylene welding stations	Yes in #1
Other specialty systems equipment or requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
• High-temperature heads may be required	

Program Activities

1. Provides space for instruction in metal fabrication and welding, including the development of basic manipulative skills and understanding of oxygen-acetylene cutting, welding and brazing, shielded metal arc welding, gas metal arc welding, and gas tungsten arc welding.
2. Blueprint reading.
3. Classroom layout includes a clean, separated computer lab for research and project design.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide exterior emergency lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent rooms. Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

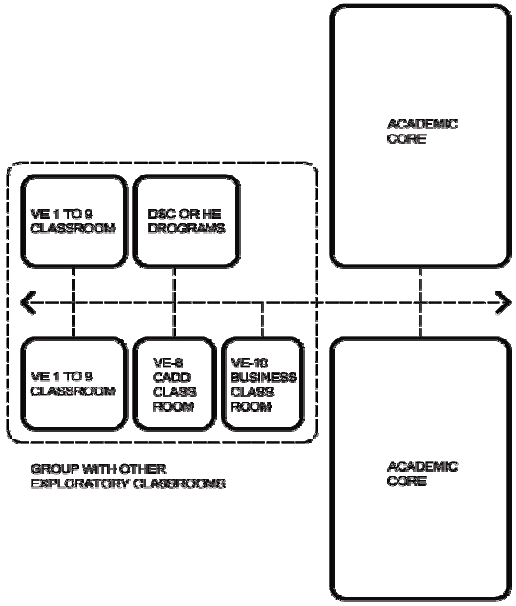
HVAC:
1. A dedicated exhaust system may be required.

Key Space Design and Relationship Concepts

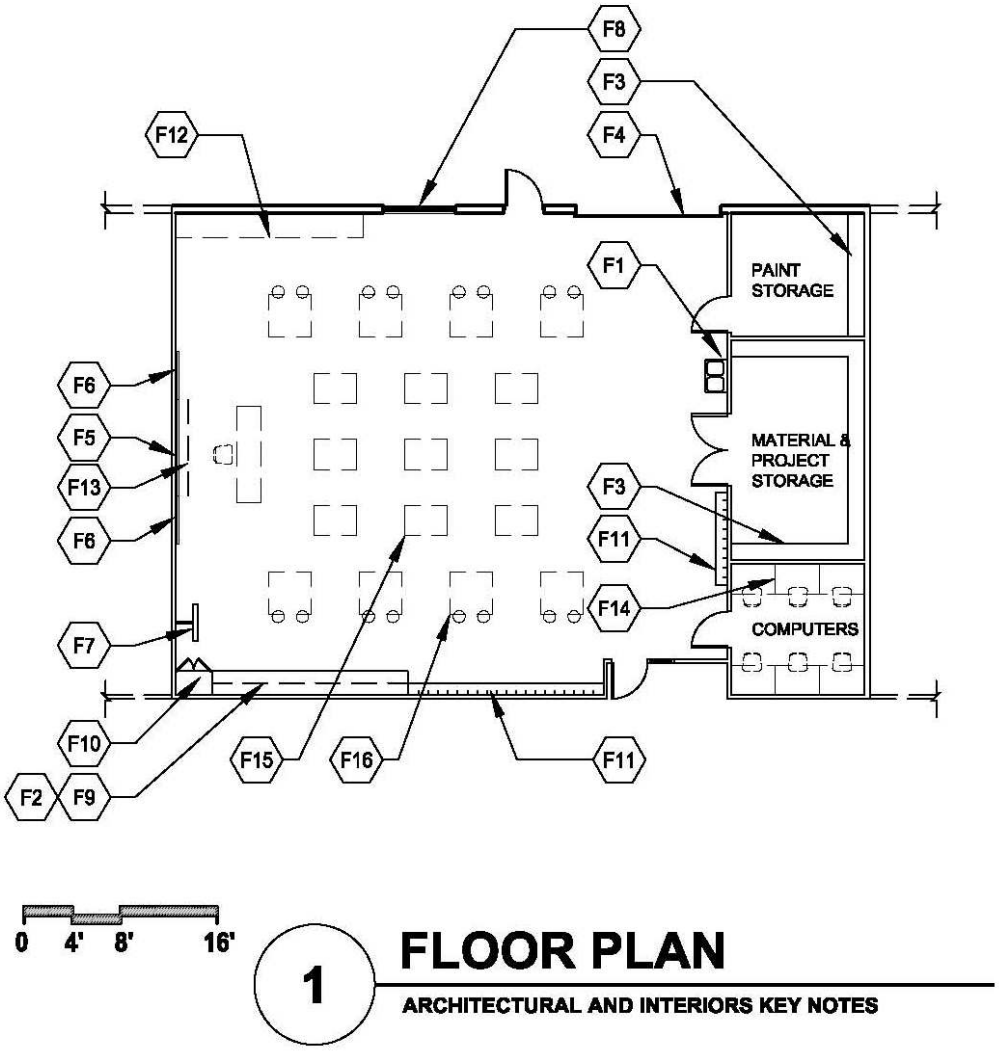
1. Grouped with other noise-producing areas
2. Access to driveway and parking
3. Direct access to outdoors

Spatial Relationship Diagram

Metals Shop



VE-6 Wood Shop



Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of classroom s.f.

CAPACITY:	16 students	
SIZE:	1,920 s.f.	
ANCILLARY SPACES:	Material & Project Storage	200 s.f.
	Paint Storage	Per Code

Key Notes:

F1 Sink(s): specialty type: SS large, deep, dual
F2 Plastic laminate base cabinets and countertop
F3 16" deep adjustable shelving
F4 Overhead garage door (12' x 10')
F5 Whiteboard
F6 Tackboard
F7 TV with wall mounting bracket
F8 Windows/daylight into space required
F9 Plastic laminate upper cabinets
F10 Tall wardrobe cabinet with locks
F11 Student storage shelf with coat hooks
F12 Project storage cabinets
F13 Overhead projection screen
F14 Plastic laminate countertops for computer workstations
F15 Tool benches with storage under
F16 Student work tables

BIA School Facilities	Wood Shop
Space Description	For square footages, see space template
1. Wood shop	
2. Material and project storage	
3. Computer lab	
4. Paint storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Space has own exhaust mode - general area	As required
Hood requirements:	
• Hood potential only required	Yes in #1
Individual room air temp. control	Yes in #3
Other HVAC equipment or requirements:	
• As required to conform to educational program	Yes

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Floor drain	Yes in #1
Sink(s): specialty type: SS large, deep, dual	Yes in #1
Emergency shower	As required
Eyewash station	As required
Other plumbing equipment or requirements:	
• As required to conform to educational program	Yes

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,3
Master shutoff for outlets	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3
• Direct/indirect lighting	Yes in #1,3
• Multi-level switched	Yes in #1,3
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
• As required to conform to educational program	Yes

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #3
CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes		Yes									
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes		Yes								
Other furnishings/millwork/ equipment or requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓								
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓								
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓								
• Other												
Floors:												
• VCT	✓	✓	✓	✓								
• Sheet vinyl	✓	✓	✓	✓								
• Sealed concrete	✓	✓	✓	✓								
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"								
• Exposed to structure - painted	✓	✓	✓	✓								
• Lay-in acoustical			✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	✓	✓	✓	✓								
• Hollow metal	✓	✓	✓	✓								
• With glazed lites	Yes		Yes									
• Exterior door required	Yes											
• Overhead garage door (12' x 10' insulated)	Yes											

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Special floor loading requirements:	
• Coordinate equipment load req.	Yes
Special suspended loading requirements:	
• Coordinate hung equipment req.	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Students learn the safe and effective use of wood-working equipment, tools, and materials while completing specific projects.
2. Students gain skills in the proper use and care of equipment.
3. Students learn to use construction plans and measurements.
4. Students learn effective use of workspace and time.
5. Students gain skills in planning and problem solving.
6. Classroom layout includes a clean, separated computer lab for research and project design.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide exterior emergency lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent rooms. Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

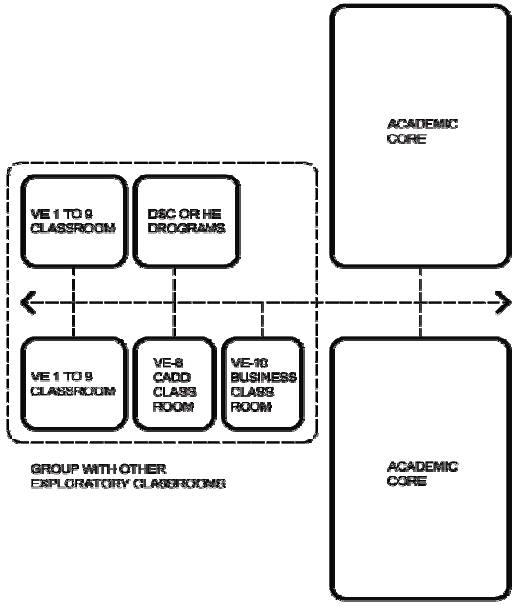
HVAC
1. A dedicated exhaust system may be required.

Key Space Design and Relationship Concepts

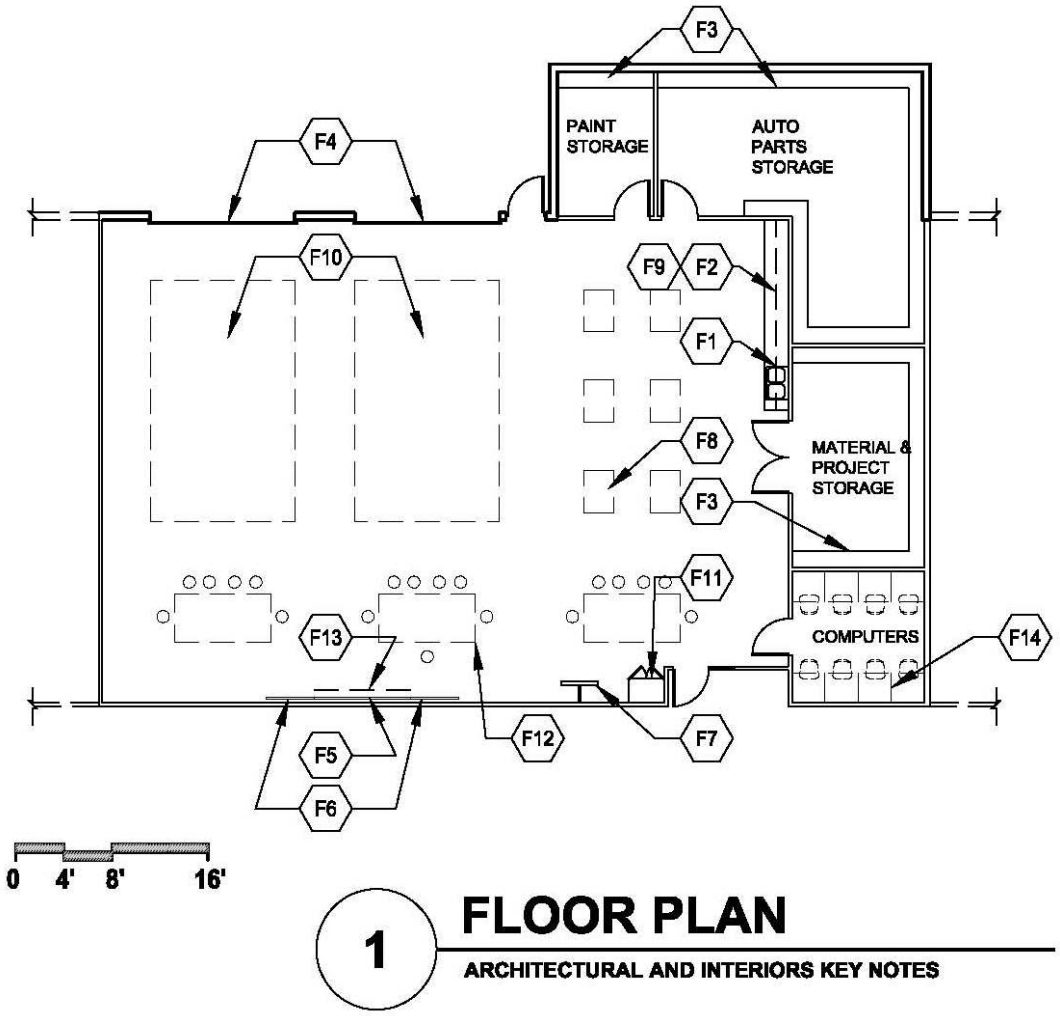
1. Grouped with other noise-producing areas
2. Access to driveway and parking
3. Direct access to outdoors

Spatial Relationship Diagram

Wood Shop



VE-7 Auto Shop



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of classroom s.f.

CAPACITY:	16 students	
SIZE:	2,400 s.f.	
ANCILLARY SPACES:	Material & Project Storage	200 s.f.
	Auto Parts Storage	300 s.f.
	Paint Storage	Per Code

Key Notes:

F1 Sink(s): specialty type: SS, deep, dual
F2 Plastic laminate base cabinets and countertop
F3 16" deep adjustable shelving
F4 Overhead garage door (12' x 10')
F5 Whiteboard
F6 Tackboard
F7 TV with wall mounting bracket
F8 Tool storage cabinets and workbench
F9 Plastic laminate upper cabinets
F10 Vehicle service bay; coordinate requirements
F11 Tall wardrobe cabinet with locks
F12 Student work tables
F13 Overhead projection screen
F14 Plastic laminate countertops for computer workstations

BIA School Facilities	Auto Shop
Space Description	For square footages, see space template
1. Auto shop	
2. Material and project storage	
3. Computer lab	
4. Auto parts storage	
5. Paint storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Space has own exhaust mode - general area	As required
Hood requirements:	
• Hood potential only required	Yes in #1
Individual room air temp. control	Yes in #3
Other HVAC equipment or requirements:	
• As required to conform to educational program	Yes

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Floor drain	Yes in #1
Sink(s): specialty type: SS large, deep, dual	Yes in #1
Other plumbing equipment or requirements:	
• As required to conform to educational program	Yes

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,3
Master shutoff for outlets	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3
• Direct/indirect lighting	Yes in #1,3
• Multi-level switched	Yes in #1,3
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
• As required to conform to educational program	Yes

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #3
CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes		Yes									
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes		Yes	Yes							
Other furnishings/millwork/ equipment or requirements:													
• Tool storage cabinet & workbench		Yes											
• Vehicle service bay; coordinate requirements		Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓							
• CMU - ground face, integral color	✓											
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓							
• Other												
Floors:												
• Sealed concrete	✓	✓	✓	✓	✓							
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"							
• Exposed to structure - painted	✓	✓	✓	✓	✓							
• Lay-in acoustical			✓									
• Other												
Doors:												
• Wood	✓	✓	✓	✓	✓							
• Hollow metal	✓	✓	✓	✓	✓							
• With glazed lites	Yes		Yes									
• Exterior door required	Yes											
• Overhead garage door (12' x 10' insulated)	Yes											

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Special floor loading requirements:	
● Consider vehicles, equipment load requirements	Yes
Special suspended loading requirements:	
● Consider hoists, hung equipment load requirements	Yes
Other structural requirements:	
● As required to conform to educational program	Yes

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
●	

Fire Protection System	
Sprinklers:	
● Semi-recessed	Yes
● Protection	Yes
Other fire protection equipment or requirements:	
●	

Program Activities

1. Students are instructed in automotive engines and repair, fuel and ignition systems, emissions systems, automotive power trains, brakes, climate control systems, transmissions, automotive electronics fundamentals and technology systems, etc.
2. Students learn effective use of workspace and time.
3. Students gain skills in planning and problem solving.
4. Classroom layout includes a clean, separated computer lab for research and project design.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide exterior emergency lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent rooms. Panelboard shall have a shunt trip main breaker.
9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
10. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

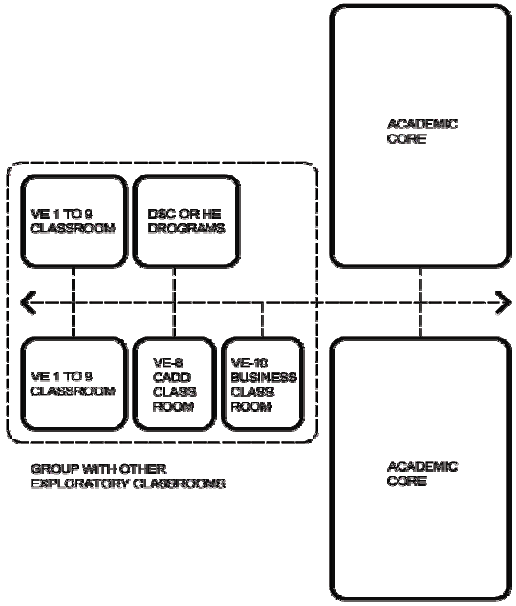
HVAC
1. A dedicated exhaust system may be required.

Key Space Design and Relationship Concepts

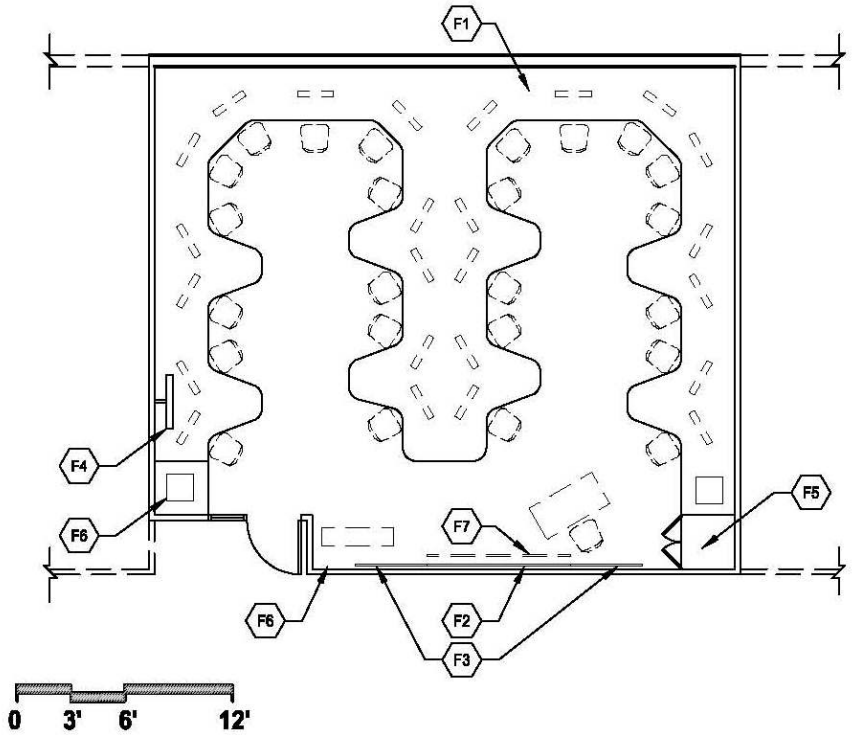
1. Grouped with other noise-producing areas
2. Access to driveway and parking
3. Direct access to outdoors

Spatial Relationship Diagram

Auto Shop



VE-8 Computer-Aided Design and Drafting (CADD) Classroom



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY: 24 students
SIZE: 888 s.f.

Key Notes:

F1 Plastic laminate countertops
F2 Whiteboard
F3 Tackboard
F4 TV with wall mounting bracket
F5 Tall wardrobe cabinet with locks
F6 Printer station
F7 Overhead projection screen

VE-8 Computer-Aided Design and Drafting (CADD) Classroom Space Criteria

BIA School Facilities	CADD Classroom
Space Description	For square footages, see space template
1. Computer-aided design and drafting classroom	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Power outlet minimum number	Yes
Lighting requirements:	
● Automatic lighting controls	Yes
● Direct/indirect lighting	Yes
● Multi-level switched	Yes
● Emergency lighting	Yes
Ceiling outlet for projector	Yes
Other electrical/lighting equipment or requirements:	
●	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes
Communication outlet (4-port) - teacher	Yes
Communication outlet (1-port per computer station)	Yes
CATV outlet (coax + Cat 6)	Yes
Sound reinforcement outlet	Yes
Projector outlet (1-port ceiling mounted)	Yes
Wireless access point outlet (2-port)	Reg. coverage
Outlet (1-port) for future interactive whiteboard	Yes
Speaker - ceiling mounted	Yes
Clock	Yes
Other communications/IT equipment or requirements:	
●	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Individual room air temp. control	Yes
Other HVAC equipment or requirements:	
●	

Plumbing	
Other plumbing equipment or requirements:	
●	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
● Plastic laminate countertops		Yes											
● Tall wardrobe cabinet		Yes											
● Locks		Yes											
● Other													
Other furnishings/millwork/ equipment or requirements:													
● Printer station		Yes											
● Other													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
● CMU - painted	✓											
● CMU - ground face, integral color	✓											
● Standard gypsum board - painted or vinyl covered	✓											
● Other												
Base:												
● Resilient rubber	✓											
● Other												
Floors:												
● Carpet	✓											
● VCT	✓											
● Sheet vinyl	✓											
● Sealed concrete	✓											
● Static-resistant flooring	✓											
Ceilings:												
● Minimum ceiling height	9'0"											
● Exposed to structure - painted	✓											
● Lay-in acoustical	✓											
● Other												
Doors:												
● Wood	Yes											
● With glazed lites	Yes											
● Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Group instruction in computer-aided design and drafting
2. Exploration of design concepts, technical drawing, geometric dimensioning, and facilities design

Notes

Electrical:

1. Provide automatic shut-off via building management system time clock.
2. Provide multi-level light switching.
3. Provide direct/indirect lighting system.
4. Provide emergency lighting near door(s).
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a dedicated panelboard for all receptacles within this room.
8. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

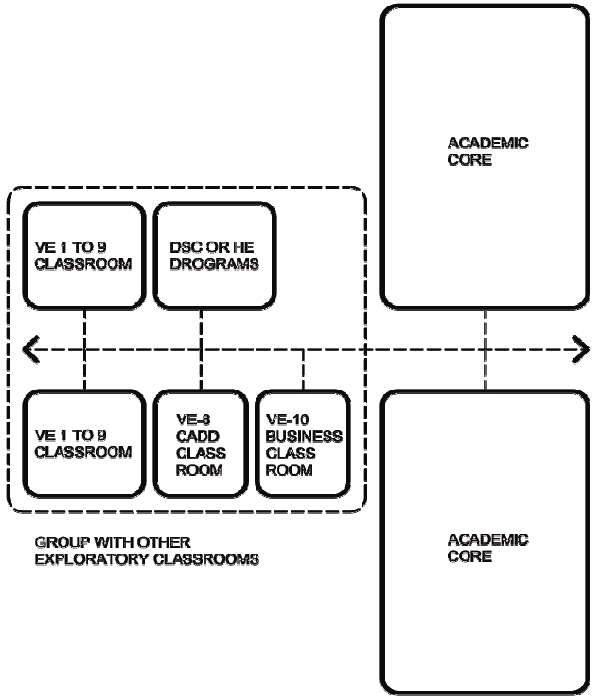
1. Provide semi-recessed heads for spaces with ceilings.

Key Space Design and Relationship Concepts

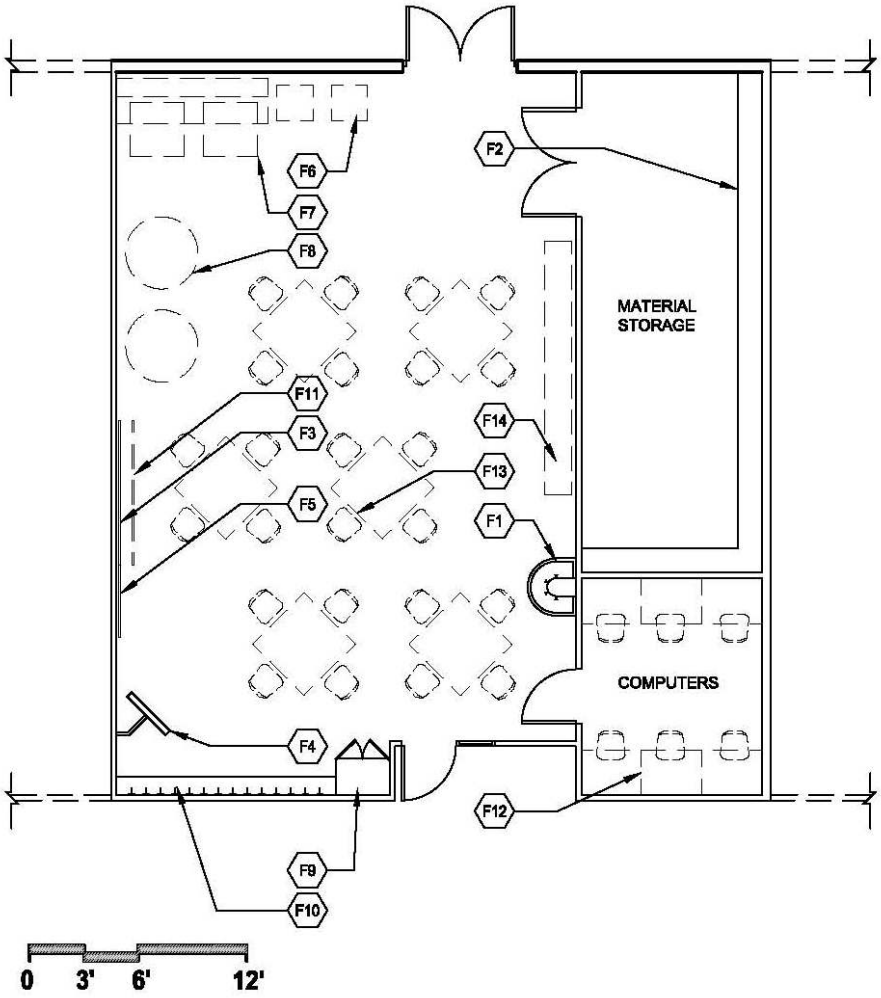
1. Grouped with other vocational education classrooms

Spatial Relationship Diagram

Computer-Aided Design and Drafting (CADD) Classroom



VE-9 Agriculture and Economic Development Classroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of classroom s.f.

CAPACITY:	25 students	
SIZE:	1,000 s.f.	
ANCILLARY SPACES:	Material Storage	200 s.f.

Key Notes:

F1 Sink(s): specialty type: SS wash fountain
F2 16” deep adjustable shelving
F3 Whiteboard
F4 TV with wall mounting bracket
F5 Tackboard
F6 Powered machinery; coordinate requirements
F7 Welding stations; coordinate requirements
F8 Hydroponics/aquaculture tank
F9 Tall wardrobe cabinet with locks
F10 Student storage shelf with coat hooks
F11 Overhead projection screen
F12 Plastic laminate countertop for computer workstations
F13 Student work tables
F14 Tool storage cabinets

BIA School Facilities Agriculture & Economic Dev.

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Space Description — For square footages, see space template

1. Agriculture and economic development classroom
2. Material storage
3. Computer lab

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions

Air pressure (balanced is assumed):	
• Negative	Yes in#2
Individual room air temp. control	Yes in #3
Other HVAC equipment or requirements:	
• As required to conform to educational program	Yes

Plumbing

Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Floor drain	Yes in #1
Hydroponics/aquaculture tanks	Yes in #1
Sink(s): specialty type: SS wash fountain	Yes in #1
Emergency shower	As required
Eyewash station	As required
Other plumbing equipment or requirements:	
• As required to conform to educational program	Yes

Acoustical Conditions

Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Specialized power requirements	Yes in #1,3
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3
• Direct/indirect lighting	Yes in #1,3
• Multi-level switched	Yes in #1,3
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
• As required to conform to educational program	Yes

Communications/IT Requirements

Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #3
CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Reg. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate countertops		Yes		Yes									
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Powered machinery; coordinate as required		Yes											
• Welding stations; coordinate as required		Yes											
• Hydroponics/aquaculture tank; coordinate as required		Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Other												
Floors:												
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Sealed concrete	✓	✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓	✓	✓									
• Lay-in acoustical			✓									
• Other												
Doors:												
• Wood	✓	✓	✓									
• Hollow metal	✓	✓	✓									
• With glazed lites	Yes		Yes									
• Exterior door required	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Special floor loading requirements:	
• Coordinate equipment load req.	Yes
Special suspended loading requirements:	
• Coordinate hung equipment req.	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

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

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide exterior emergency lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

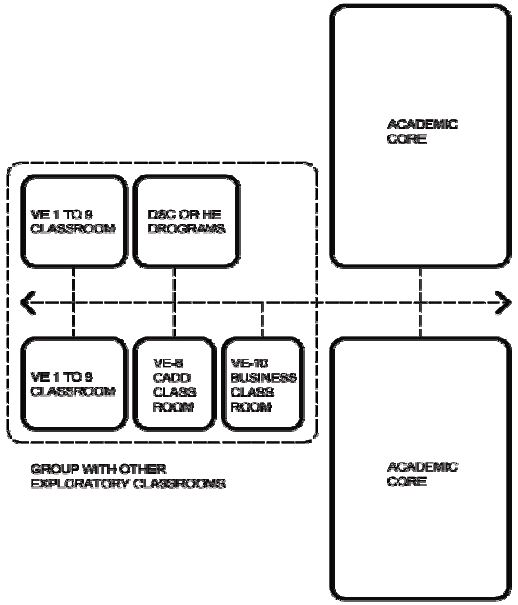
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

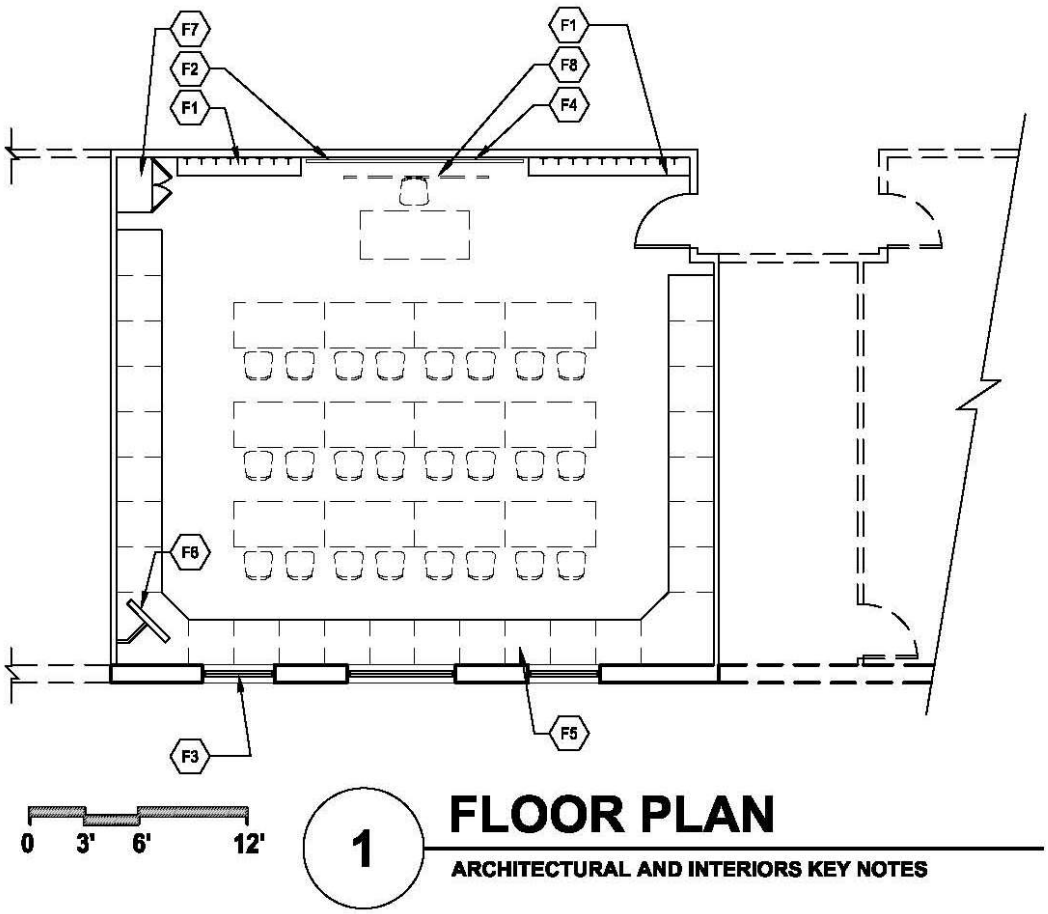
1. Near large group restrooms
2. Access to driveway and parking

Spatial Relationship Diagram

Agriculture and Economic Development Classroom



VE-10 Business Classroom



Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY: 25 students
SIZE: 925 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Whiteboard
F3 Windows/daylight into space required
F4 Tackboard
F5 Plastic laminate countertops for computer workstations
F6 TV with wall mounting bracket
F7 Tall wardrobe cabinet with locks
F8 Overhead projection screen

BIA School Facilities	Business Classroom
Space Description	For square footages, see space template
1. Business classroom	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Specialty/task lighting	Yes
• Direct/indirect lighting	Yes
• Multi-level switched	Yes
Ceiling outlet for projector	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) - teacher	Yes
Communication outlet (1-port per computer station)	Yes
CATV outlet (coax + Cat 6)	Yes
Sound reinforcement outlet	Yes
Projector outlet (1-port ceiling mounted)	Yes
Wireless access point outlet (2-port)	Req. coverage
Outlet (1-port) for future interactive whiteboard	Yes
Speaker - ceiling mounted	Yes
Clock	Yes
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate countertops		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• Other													
Other furnishings/millwork/ equipment or requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Other												
Floors:												
• Carpet	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Sealed concrete	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'0"											
• Exposed to structure - painted	✓											
• Lay-in acoustical	✓											
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes											
• With glazed lites	Yes											
• Other												

Structural Requirements

Other structural requirements:
-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:
-

Fire Protection System

Sprinklers:
- Semi-recessed: Yes

Other fire protection equipment or requirements:
-

Program Activities

1. Instruction in business, marketing, and computer curricula
2. Group instruction
3. Multi-media presentations
4. Group discussion
5. Cooperative learning

Notes

Electrical:
1. Provide automatic shut-off via building management system time clock.
2. Provide multi-level light switching.
3. Provide direct/indirect lighting system.
4. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
6. Provide a receptacle mounted at +7'-0" for television.

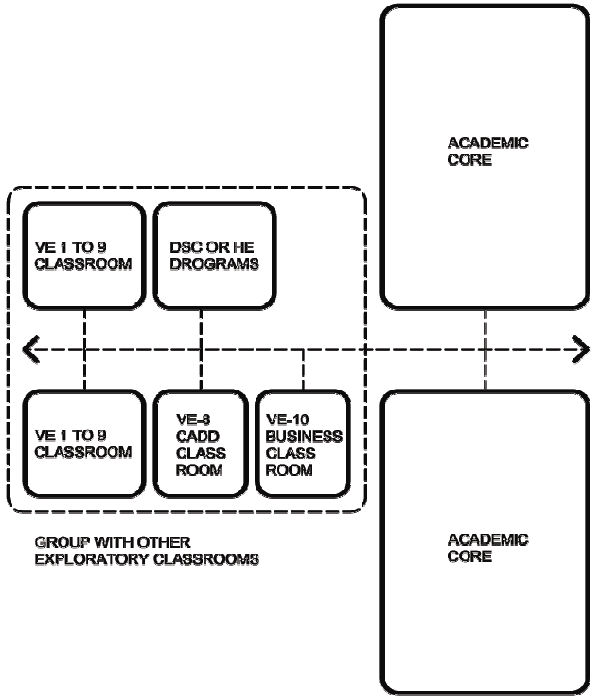
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings.

Key Space Design and Relationship Concepts

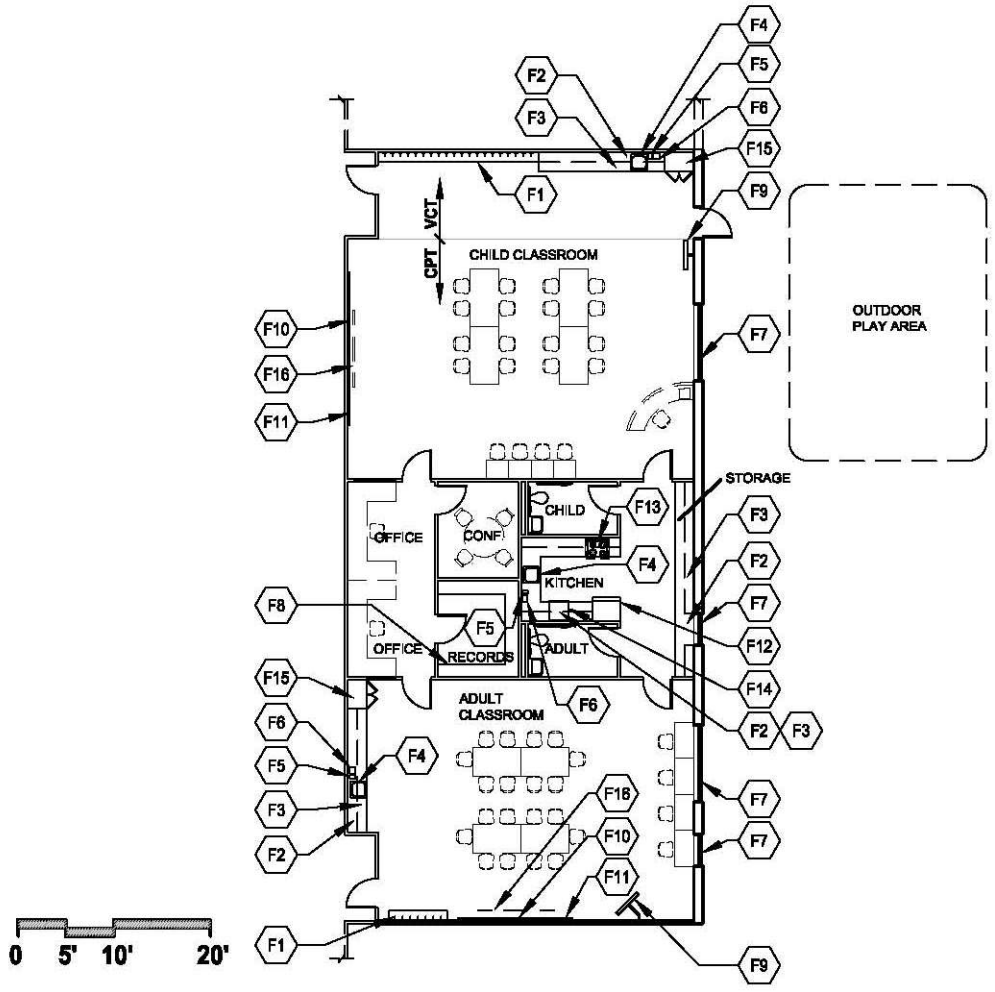
1. Near large group restrooms

Spatial Relationship Diagram

Business Classroom



SP-1 Family and Childhood Education (FACE) Program



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	Child Classroom	20 students
	Adult Classroom	15 students
SIZE:	Child Classroom	1,200 s.f.
	Adult Classroom	900 s.f.
	Restroom (2)	100 s.f.
	Kitchenette	80 s.f.
	Storage Space	100 s.f.
	Office/Records/Conf.	360 s.f.
	Outdoor Play Area	1,500 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Plastic laminate upper cabinets
F3 Plastic laminate base cabinets and countertop
F4 Sink(s): specialty type: SS large, deep, single
F5 Soap dispenser
F6 Paper towel dispenser
F7 Windows/daylight into space required
F8 16” deep adjustable shelving
F9 TV with wall mounting bracket
F10 Whiteboard
F11 Tackboard
F12 Refrigerator
F13 Range/oven
F14 Dishwasher
F15 Tall wardrobe cabinet with locks
F16 Overhead projection screen

BIA School Facilities	FACE Program
Space Description	For square footages, see space template
1. Child classroom	
2. Adult classroom	
3. Restrooms (1 child, 1 adult)	
4. Conference	
5. Records	
6. Kitchen	
7. Storage space	
8. Office	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #3,6
Hood requirements:	
• Hood potential only required	Yes in #6
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1,2,3,6
• Cold	Yes in #1,2,3,6
Sink(s): specialty type: SS large, deep, deep, single	Yes in #1,2,6
Garbage disposal	Yes in #6
Dishwasher connection & drain	Yes in #6
Refrigerator w/ice maker connection	Yes in #6
Other plumbing equipment or requirements:	
• Water supply to coffee machine (where provided)	Yes
•	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes in #4,8
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,2
• Direct/indirect lighting	Yes in #1,2
• Multi-level switched	Yes in #1,2
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #1,2
Communication outlet (4-port) -teacher	Yes in #1,2
Communication outlet (1-port per computer station)	Yes in #1,2
CATV outlet (coax + Cat 6)	Yes in #1,2
Sound reinforcement outlet	Yes in #1,2
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1,2
Outlet (1-port) for future interactive whiteboard	Yes in #1,2
Speaker - ceiling mounted	Yes in #1,2
Clock	Yes in #1,2
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1	1										
Tackboard (4'-0")	Qty	1	1										
Overhead projection screen	Qty	1	1										
TV with wall mounting bracket	Qty	1	1										
Casework:													
• 1' deep shelf w/coat hooks		Yes	Yes										
• Plastic laminate base cabinets		Yes	Yes				Yes	Yes					
• Plastic laminate countertops		Yes	Yes				Yes	Yes					
• Plastic laminate upper cabinets		Yes	Yes				Yes	Yes					
• Tall wardrobe cabinet		Yes	Yes										
• Locks		Yes	Yes										
• 16" deep adjustable shelving						Yes							
• Other													
Other equipment requirements:													
• Soap dispenser		Yes	Yes				Yes						
• Paper towel dispenser		Yes	Yes				Yes						
• Refrigerator							Yes						
• Range/oven							Yes						
• Dishwasher							Yes						

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• CMU - ground face, integral color	✓	✓										
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Floors:												
• Carpet	✓	✓		✓	✓		✓	✓				
• VCT	✓	✓	✓	✓	✓	✓	✓	✓				
• Sheet vinyl	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"				
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• Lay-in acoustical	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Windows:												
• Windows/daylight into space required	Yes	Yes										
• Operable window required	Yes	Yes										
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes		Yes	Yes				
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes	Yes					Yes	Yes				
• Exterior door required	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Early childhood education, parenting skills, parent and child interaction time, and adult education and training
2. Training for early childhood careers
3. Training for parenting
4. Preschool and toddler care

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide emergency exterior lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide dedicated power to each piece of kitchen equipment within this room.
9. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

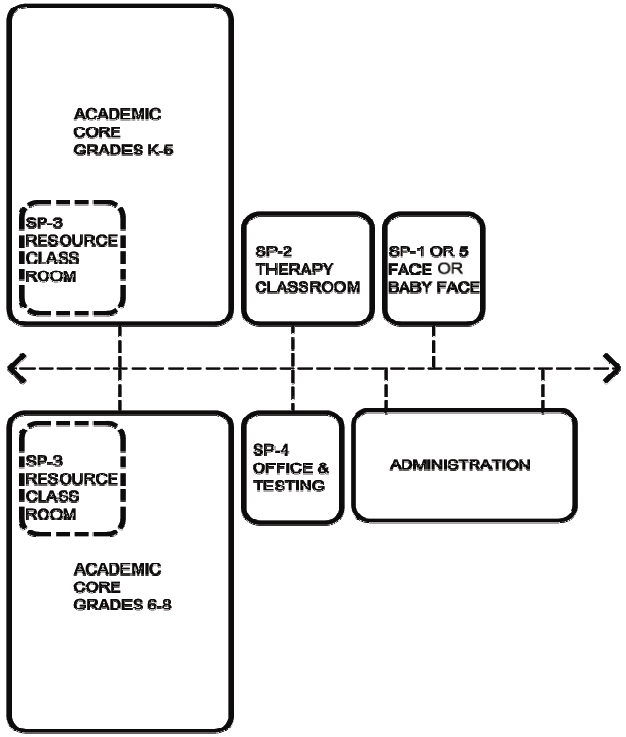
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

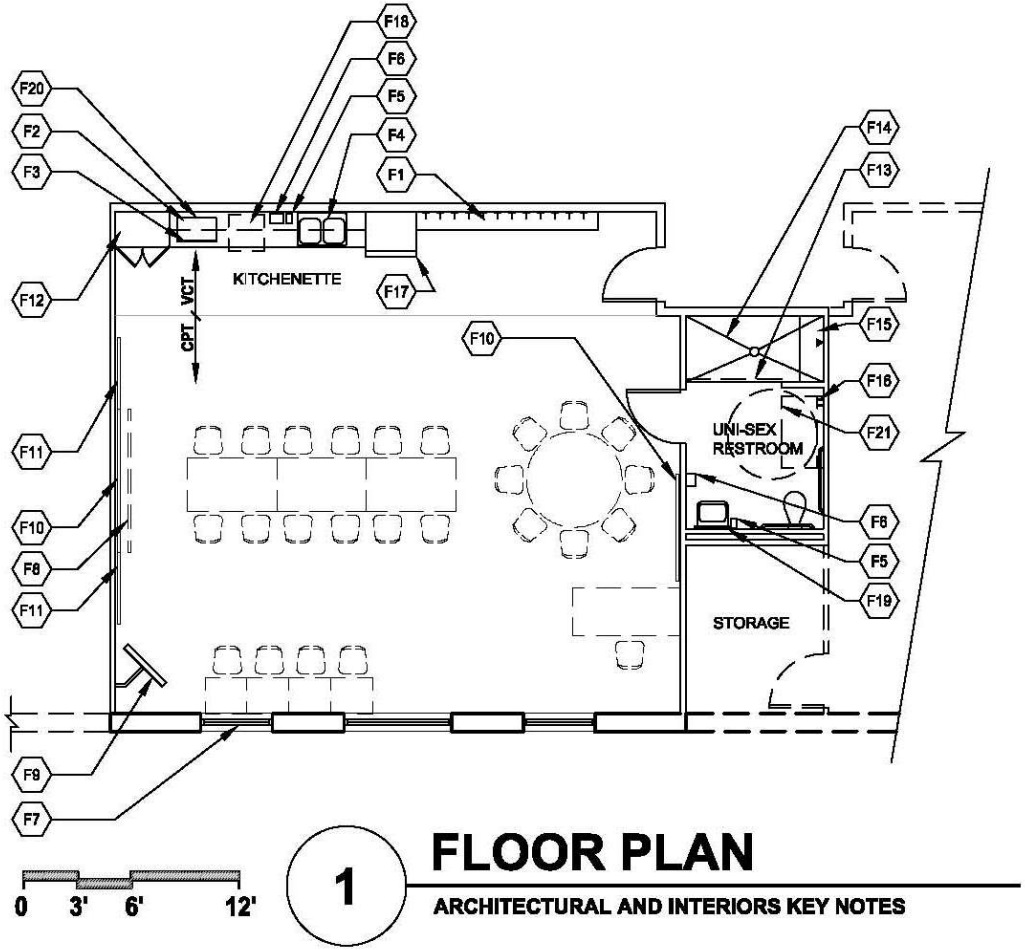
1. Classrooms should have direct access to outdoors
2. Near vehicle drop-off/pickup area

Spatial Relationship Diagram

Family and Childhood Education (FACE) Program



SP-2 Therapy Classroom



Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	12 students	
SIZE:	880 s.f.	
ANCILLARY SPACES:	Unisex Restroom	100 s.f.
	Kitchenette	80 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Plastic laminate upper cabinets
F3 Plastic laminate base cabinets and countertop
F4 Sink(s): specialty type: SS large, deep, dual
F5 Soap dispenser
F6 Paper towel dispenser
F7 Windows/daylight into space required
F8 Overhead projection screen
F9 TV with wall mounting bracket
F10 Whiteboard
F11 Tackboard
F12 Tall wardrobe cabinet with locks
F13 Shower curtain
F14 Handicapped accessible shower
F15 Shower bench
F16 Wardrobe hooks
F17 Refrigerator
F18 Dishwasher
F19 Mirror
F20 Microwave
F21 Fold-down changing table

BIA School Facilities	Therapy Classroom
Space Description	For square footages, see space template
1. Therapy classroom	
2. Unisex restroom	
3. Kitchenette	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1,3
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes in #3
Lighting requirements:	
• Automatic lighting controls	Yes
• Direct/indirect lighting	Yes
• Multi-level switched	Yes
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2,4
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #2,3
• Cold	Yes in #2,3
Floor drain	Yes in #2
Sink(s): specialty type: SS large, deep, dual	Yes in #3
Handicapped access requirement	Yes
Refrigerator w/ice maker connection	Yes in #3
Dishwasher connection & drain	Yes in #3
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Outlet (1-port) for future interactive whiteboard	Yes in #1
Speaker - ceiling mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• 1' deep shelf w/coat hooks		Yes											
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Tall wardrobe cabinet		Yes											
• Locks		Yes											
• Other													
Other equipment requirements:													
• Soap dispenser			Yes	Yes									
• Paper towel dispenser			Yes	Yes									
• Shower curtain			Yes										
• Shower			Yes										
• Changing bench			Yes										
• Wardrobe hooks			Yes										
• Refrigerator				Yes									
• Dishwasher				Yes									
• Mirror			Yes										

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓									
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓									
• Other												
Base:												
• Resilient rubber	✓	✓	✓									
• Ceramic tile		✓										
Floors:												
• Carpet	✓											
• VCT	✓	✓	✓									
• Sheet vinyl	✓	✓	✓									
• Ceramic tile		✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"									
• Exposed to structure - painted	✓	✓	✓									
• Lay-in acoustical	✓	✓	✓									
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
● Coordinate with special education requirements	Yes

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
●	

Fire Protection System

Sprinklers:	
● Semi-recessed	Yes
Other fire protection equipment or requirements:	
●	

Program Activities

1. Accommodates students who have special needs and cannot be included in regular instructional program areas for most of the school day.
2. Activities include but are not limited to group and individual work to improve auditory, tactile, visual, kinesthetic, and academic skills.
3. Restroom provides for changing, toilet, and shower needs.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency light near door(s).
6. Provide emergency exterior lighting.
7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
8. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
9. Provide dedicated power to each piece of kitchen equipment within this room.
10. Provide a receptacle mounted at +7'-0" for television.

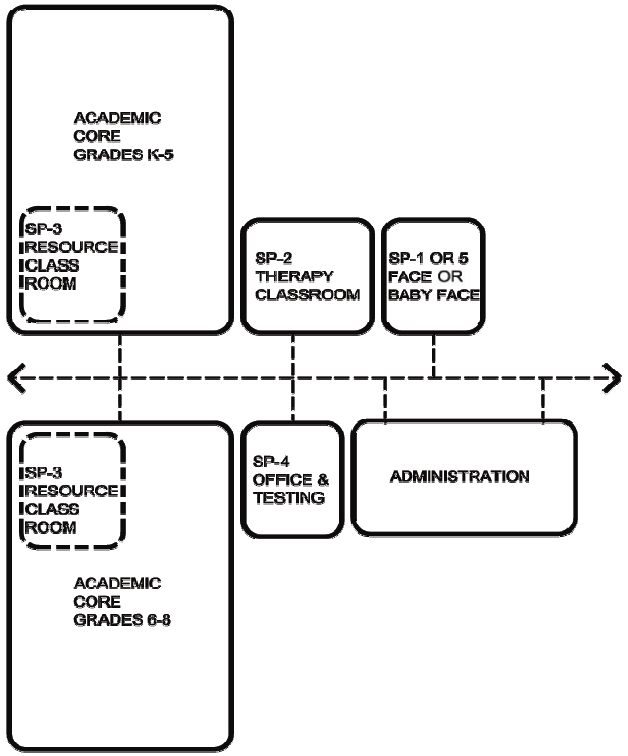
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings.

Key Space Design and Relationship Concepts

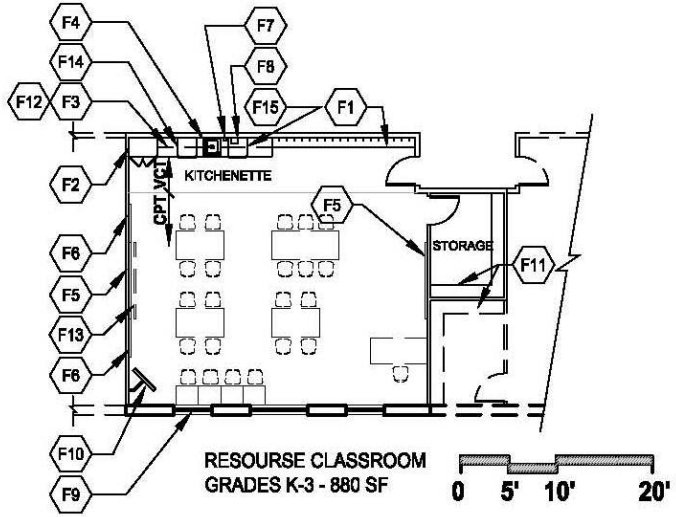
1. Near academic core classrooms
2. Adjacent to Special Programs office and testing room

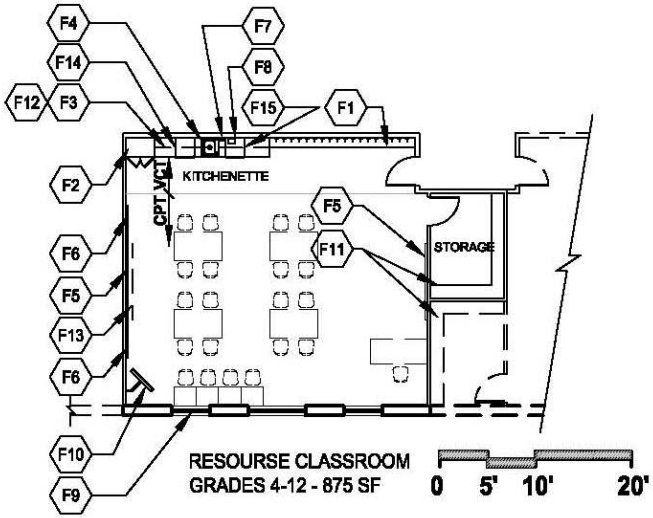
Spatial Relationship Diagram

Therapy Classroom



SP-3 Resource Classrooms





1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	Grades K–3	22 students
	Grades 4–12	25 students
SIZE:	Grades K–3	880 s.f.
	Grades 4–12	875 s.f.
ANCILLARY SPACES:	Storage	80 s.f.

Key Notes:

F1 Student storage shelf with coat hooks
F2 Tall wardrobe cabinet with locks
F3 Plastic laminate base cabinets and countertop
F4 Sink(s): specialty type: SS large, deep, single
F5 Whiteboard
F6 Tackboard
F7 Soap dispenser
F8 Paper towel dispenser
F9 Windows/daylight into space required
F10 TV with wall mounting bracket or TV cabinet
F11 16” deep adjustable shelving
F12 Plastic laminate upper cabinets
F13 Overhead projection screen
F14 Dishwasher
F15 Undercounter refrigerator

BIA School Facilities	Resource Classrooms
Space Description	For square footages, see space template
1. K–3 resource classroom	
2. Grades 4–12 resource classroom	
3. Kitchenette (in #1 and #2)	
4. Storage area (in #1 and #2)	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes in #1-3
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Direct/indirect lighting	Yes
• Multi-level switched	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #4
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #3
• Cold	Yes in #3
Sink(s): specialty type: SS large, deep, deep, single	Yes in #3
Dishwasher connection & drain	Yes in #3
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (4-port) -teacher	Yes in #1,2
Communication outlet (1-port per computer station)	Yes in #1,2
CATV outlet (coax + Cat 6)	Yes in #1,2
Sound reinforcement outlet	Yes in #1,2
Wireless access point outlet (2-port)	Reg. coverage
Mobile projection cart outlet	Yes in #1,2
Outlet (1-port) for future interactive whiteboard	Yes in #1,2
Speaker - ceiling mounted	Yes in #1,2
Clock	
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2	2										
Tackboard (4'-0")	Qty	2	2										
Overhead projection screen	Qty	1	1										
TV with wall mounting bracket	Qty	1	1										
Casework:													
• 1' deep shelf w/coat hooks		Yes	Yes										
• Plastic laminate base cabinets				Yes									
• Plastic laminate countertops				Yes									
• Plastic laminate upper cabinets				Yes									
• Tall wardrobe cabinet		Yes	Yes										
• Locks		Yes	Yes										
• 16" deep adjustable shelving					Yes								
Other equipment requirements:													
• Soap dispenser				Yes									
• Paper towel dispenser				Yes									
• Dishwasher				Yes									
• Undercounter refrigerator				Yes									

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓								
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓								
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓								
• Other												
Floors:												
• Carpet	✓	✓		✓								
• VCT	✓	✓	✓	✓								
• Sheet vinyl	✓	✓	✓	✓								
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"								
• Exposed to structure - painted	✓	✓	✓	✓								
• Lay-in acoustical	✓	✓	✓	✓								
• Other												
Windows:												
• Windows/daylight into space required	Yes	Yes										
• Operable window required	Yes	Yes										
Doors:												
• Wood	Yes	Yes		Yes								
• With glazed lites	Yes	Yes										
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

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

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
7. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:

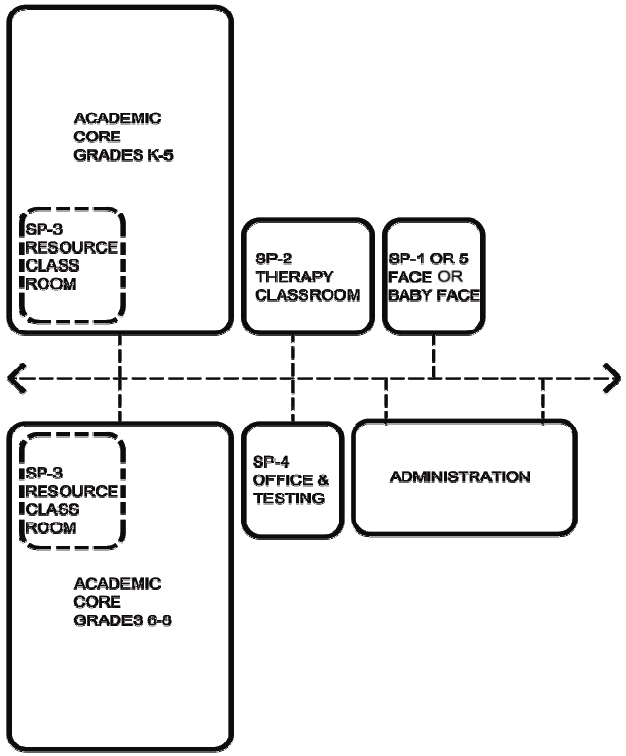
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

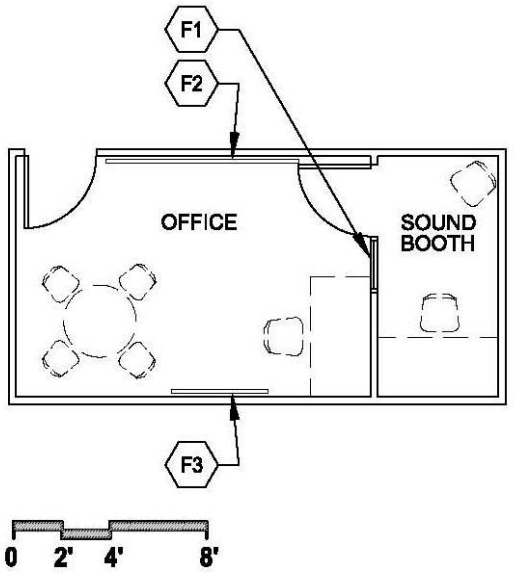
1. Near academic core classrooms
2. Adjacent to Special Programs office and testing room

Spatial Relationship Diagram

Resource Classrooms



SP-4 Office and Testing



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

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

CAPACITY:	N/A	
SIZE:	Office	150 s.f.
	Sound Booth	50 s.f.

Key Notes:

F1 Interior window
F2 Whiteboard
F3 Tackboard

BIA School Facilities	Office and Testing
Space Description	For square footages, see space template
1. Office	
2. Sound booth	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Casework:													
• Other													
Other furnishings/millwork/ equipment requirements:													
•													

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Other HVAC equipment or requirements:	
•	Yes

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Acoustical wall treatment		✓										
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Carpet	✓	✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Interior borrowed light window	Yes											
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes	Yes										
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Office area for Special Programs staff
2. Hearing testing, learning disability testing, and assessment tests

Notes

Electrical:

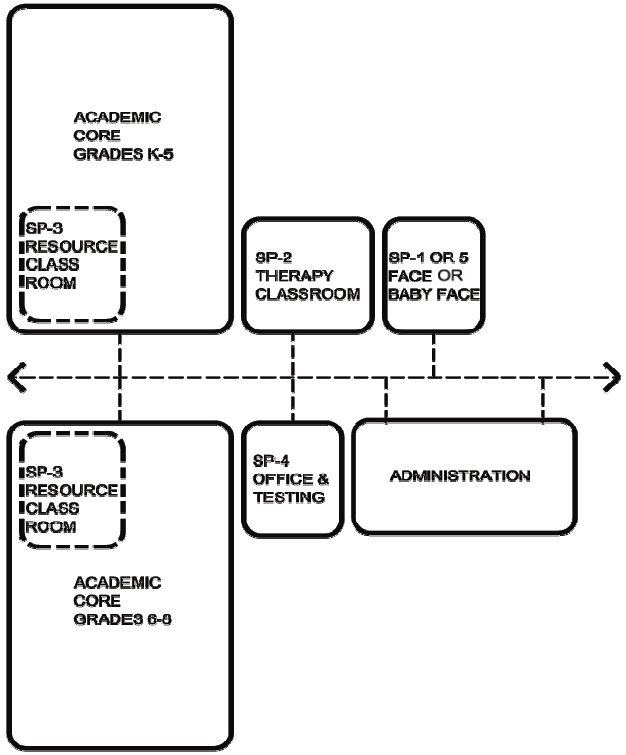
1. Provide wall switch type occupancy sensor.
2. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Key Space Design and Relationship Concepts

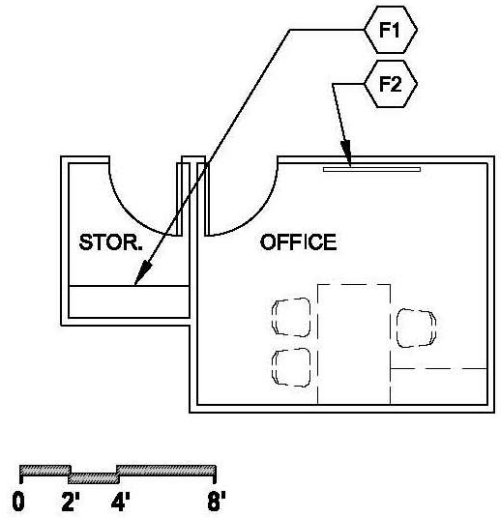
1. Near academic core classrooms
2. Adjacent to FACE, therapy classroom, and resources classrooms

Spatial Relationship Diagram

Office and Testing



SP-5 Baby FACE Program



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

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

CAPACITY:	N/A	
SIZE:	Office	120 s.f.
	Storage	32 s.f.

Key Notes:

F1 16” deep adjustable shelving
F2 Tackboard

BIA School Facilities	Baby FACE Program
Space Description	For square footages, see space template
1. Office	
2. Storage area	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes in #1
Special acoustical treatment needed	Yes in #1
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Tackboard (4'-0")	Qty	1											
Casework:													
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment requirements:													
•													

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #2
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• Standard gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Carpet	✓	✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"										
• Lay-in acoustical	✓	✓										
• Other												
Doors:												
• Wood	Yes	Yes										
• With glazed lites	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Office area for Family and Childhood Education staff member

Notes

Electrical:

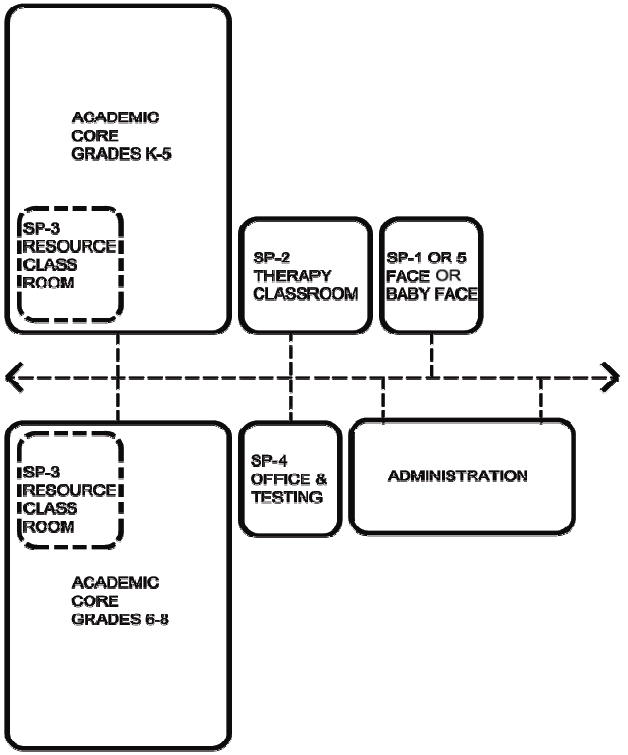
1. Provide wall switch type occupancy sensor.
2. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Key Space Design and Relationship Concepts

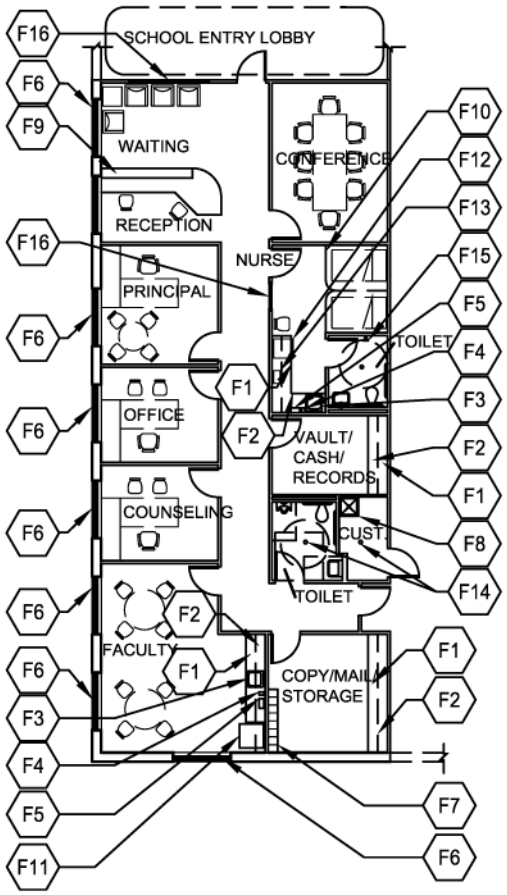
1. Near academic core classrooms

Spatial Relationship Diagram

Baby FACE Program



SA-1 Administrative Offices – 100 Students or Fewer



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

0 5' 10' 20'

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY: School enrollment of 100 students or fewer

SIZE:	Principal's Office	150 s.f.
	Office	120 s.f.
	Counseling	120 s.f.
	Reception/Secretary/Waiting	200 s.f.
	Faculty Area	300 s.f.
	Nurse's Office	150 s.f.
	Nurse's Office Restroom	50 s.f.
	Vault/Cash/Records	100 s.f.
	Copy/Mail/Storage	150 s.f.
	Conference Room	200 s.f.
	School Entry Lobby	200 s.f.
	Staff Restroom	See ISC-8
	Custodial	See SS-2

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Plastic laminate upper cabinets
F3 Sink(s): specialty type: SS large, deep, single
F4 Soap dispenser
F5 Paper towel dispenser
F6 Windows/daylight into space required
F7 Mail slots
F8 Mop sink
F9 Reception counter
F10 Cubicle curtain
F11 Refrigerator
F12 Undercounter refrigerator
F13 Locking medicine cabinet
F14 Floor drain
F15 Handicapped shower wand
F16 Interior window

BIA School Facilities	Admin Suite - <101
Space Description	For square footages, see space template
1. Principal's office	
2. Office	
3. Counseling	
4. Reception/secretary/waiting	
5. Faculty area	
6. Nurse's office	
7. Nurse's office restroom	
8. Vault/cash/records	
9. Copy/mail/storage	
10. Conference room	
11. Staff restroom	
12. Custodian	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #6,7,9, 11,12
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #5,6,7 11,12
• Cold	Yes in #5,6,7 11,12
Floor drain	Yes in #7,11,12
Sink(s): specialty type: SS large, deep, single	Yes in #5,6
Garbage disposal	Yes in #5
Handicapped access requirement	Yes in #5,7,11
Refrigerator w/ice maker connection	Yes in #5
Other plumbing equipment or requirements:	
• Cold water supply to coffee machine	Yes in #5
• Mop sink	Yes in #12
• Handicapped shower wand	Yes in #7
•	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes in #1-3,5, 6,10
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1-6,9,10
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #1-6,10
Wireless access point outlet (2-port)	Reg. coverage
Clock	Yes in #4
Surveillance camera	Yes in #4
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty										1		
Tackboard (4'-0")	Qty										1		
Copier (coordinate electrical requirements)	Qty									1			
Casework:													
• Plastic laminate base cabinets						Yes	Yes		Yes	Yes			
• Plastic laminate countertops						Yes	Yes		Yes	Yes			
• Plastic laminate upper cabinets						Yes	Yes		Yes	Yes			
• Reception counter					Yes								
• Mail slots										Yes			
• Medicine cabinet							Yes						
• Locks							Yes		Yes				
• Other													
Other equipment requirements:													
• High-density shelving									Yes	Yes			
• Cubicle curtain							Yes						
• Soap dispenser						Yes	Yes	Yes				Yes	
• Paper towel dispenser						Yes	Yes	Yes				Yes	
• Undercounter refrigerator							Yes						

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• CMU - ground face, integral color	✓	✓	✓	✓	✓							
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Ceramic tile							✓				✓	✓
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓			✓	✓	✓		
• VCT					✓	✓	✓	✓	✓		✓	✓
• Sheet vinyl						✓	✓	✓	✓		✓	
• Ceramic tile							✓				✓	✓
• Sealed concrete												✓
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"
• Gypsum board - painted							✓				✓	✓
• Lay-in acoustical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Other												
Windows:												
• Windows/daylight into space required	Yes	Yes	Yes	Yes	Yes							
• Operable window required	Yes	Yes	Yes	Yes	Yes							
• Interior borrowed light window				Yes		Yes						
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
• With glazed lites	Yes	Yes	Yes	Yes		Yes				Yes		
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

- Semi-recessed: Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Central administrative suite for the school
2. Reception/secretary services, including receiving visitors and providing visual security for the main entry, as well as support for administrative staff
3. Office space for administrative and counseling staff
4. Nurse's office treatment of minor injuries, administration of medicine, and cots for sick children
5. Secured storage for cash and records
6. Work space for copying, mail distribution, and general administrative storage needs
7. Conferences with staff, students, parents, and other community members
8. Staff restroom for staff health needs
9. Break, lunch, and meeting area for faculty

Notes

Electrical:

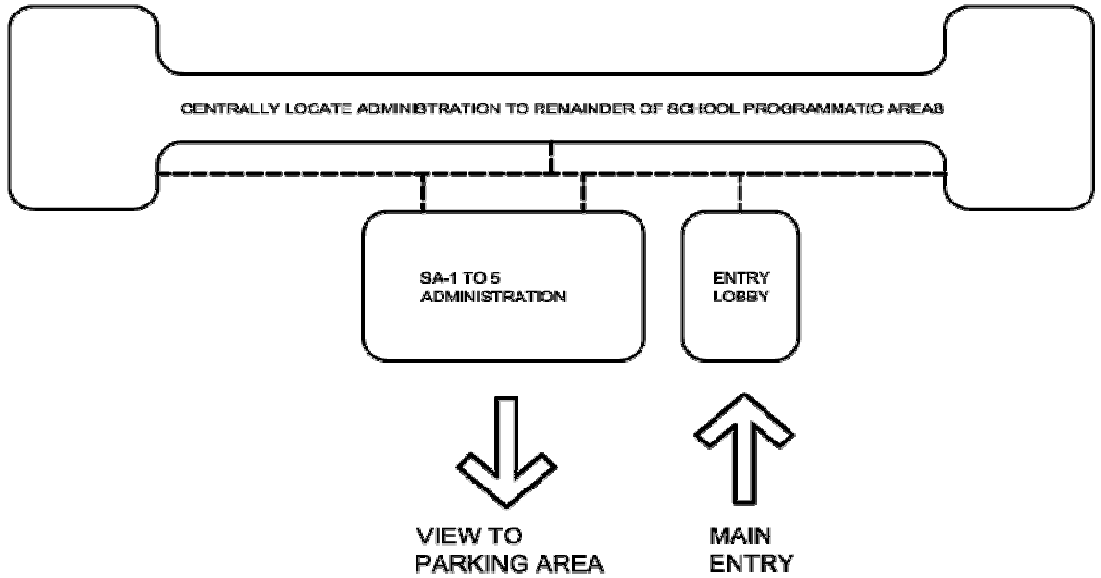
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency light near doors.
5. Provide emergency lighting for egress path.
6. Provide zone lighting at beds separately from work area lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide power for video conferencing if requested by the BIA.
9. Provide a minimum of three dedicated above-counter receptacles.
10. Provide a minimum of four dedicated receptacles in this space.

Key Space Design and Relationship Concepts

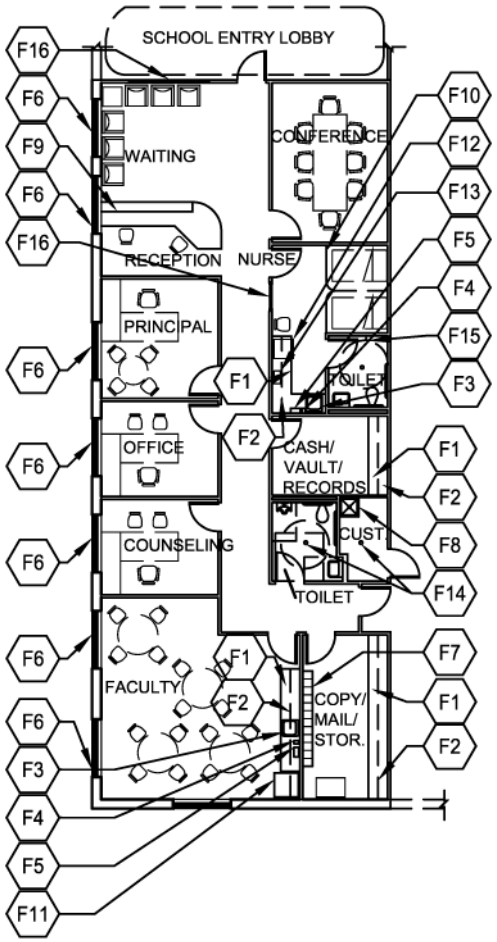
1. Adjacent to main school entry
2. Access to all areas of the school
3. Visual access to parent and bus drop-off areas

Spatial Relationship Diagram

Administrative Offices – 100 Students or Fewer



SA-2 Administrative Offices – 101 to 200 Students



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

0 5' 10' 20'

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY: School enrollment of 101 to 200 students

SIZE:	Principal's Office	150 s.f.
	Office	120 s.f.
	Counseling	120 s.f.
	Reception/Secretary/Waiting	250 s.f.
	Faculty Area	400 s.f.
	Nurse's Office	150 s.f.
	Nurse's Office Restroom	50 s.f.
	Cash/Vault/Records	100 s.f.
	Copy/Mail/Storage	150 s.f.
	Conference Room	200 s.f.
	School Entry Lobby	200 s.f.
	Staff Restroom	See ISC-8
	Custodial	See SS-2

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Plastic laminate upper cabinets
F3 Sink(s): specialty type: SS large, deep, single
F4 Soap dispenser
F5 Paper towel dispenser
F6 Windows/daylight into space required
F7 Mail slots
F8 Mop sink
F9 Reception counter
F10 Cubicle curtain
F11 Refrigerator
F12 Undercounter refrigerator
F13 Locking medicine cabinet
F14 Floor drain
F15 Handicapped shower wand
F16 Interior window

BIA School Facilities	Admin Suite - 101-200
Space Description	For square footages, see space template
1. Principal's office	
2. Office	
3. Counseling	
4. Reception/secretary/waiting	
5. Faculty area	
6. Nurse's office	
7. Nurse's office restroom	
8. Cash/vault/ records	
9. Copy/mail/storage	
10. Conference room	
11. Staff restroom	
12. Custodian	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes in #1-3,5, 6,10
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1-6,9,10
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #6,7,9, 11,12
Other HVAC equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #1-6,10
Wireless access point outlet (2-port)	Reg. coverage
Clock	Yes in #4
Surveillance camera	Yes in #4
Other communications/IT equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #5,6,7 11,12
• Cold	Yes in #5,6,7 11,12
Floor drain	Yes in #7,11,12
Sink(s): specialty type: SS large, deep, single	Yes in #5,6
Garbage disposal	Yes in #5
Handicapped access requirement	Yes in #5,7,11
Refrigerator w/ice maker connection	Yes in #5
Other plumbing equipment or requirements:	
• Cold water supply to coffee machine	Yes in #5
• Mop sink	Yes in #12
• Handicapped shower wand	Yes in #7
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty										1		
Tackboard (4'-0")	Qty										1		
Copier (coordinate electrical requirements)	Qty									1			
Casework:													
• Plastic laminate base cabinets						Yes	Yes		Yes	Yes			
• Plastic laminate countertops						Yes	Yes		Yes	Yes			
• Plastic laminate upper cabinets						Yes	Yes		Yes	Yes			
• Reception counter					Yes								
• Mail slots										Yes			
• Medicine cabinet							Yes						
• Locks							Yes		Yes				
• Other													
Other equipment requirements:													
• High-density shelving									Yes	Yes			
• Cubicle curtain							Yes						
• Soap dispenser						Yes	Yes	Yes				Yes	
• Paper towel dispenser						Yes	Yes	Yes				Yes	
• Undercounter refrigerator							Yes						

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• CMU - ground face, integral color	✓	✓	✓	✓	✓							
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Ceramic tile							✓				✓	✓
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓			✓	✓	✓		
• VCT					✓	✓	✓	✓	✓		✓	✓
• Sheet vinyl						✓	✓	✓	✓		✓	
• Ceramic tile							✓				✓	✓
• Sealed concrete												✓
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"
• Gypsum board - painted							✓				✓	✓
• Lay-in acoustical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Other												
Windows:												
• Windows/daylight into space required	Yes	Yes	Yes	Yes	Yes							
• Operable window required	Yes	Yes	Yes	Yes	Yes							
• Interior borrowed light window				Yes		Yes						
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
• With glazed lites	Yes	Yes	Yes	Yes		Yes				Yes		
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

- Semi-recessed: Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Central administrative suite for the school
2. Reception/secretary services, including receiving visitors and providing visual security for the main entry, as well as support for administrative staff
3. Office space for administrative and counseling staff
4. Nurse's office treatment of minor injuries, administration of medicine, and cots for sick children
5. Secured storage for cash and records
6. Work space for copying, mail distribution, and general administrative storage needs
7. Conferences with staff, students, parents, and other community members
8. Staff restroom for staff health needs
9. Break, lunch, and meeting area for faculty

Notes

Electrical:

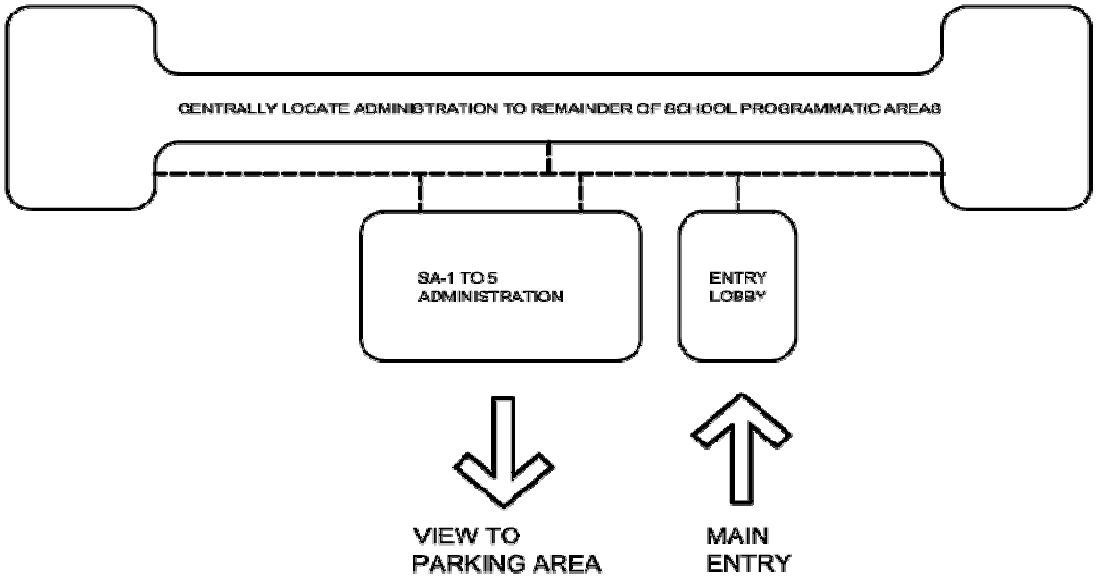
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency light near doors.
5. Provide emergency lighting for egress path.
6. Provide zone lighting at beds separately from work area lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide power for video conferencing if requested by the BIA.
9. Provide a minimum of three dedicated above-counter receptacles.
10. Provide a minimum of four dedicated receptacles in this space.

Key Space Design and Relationship Concepts

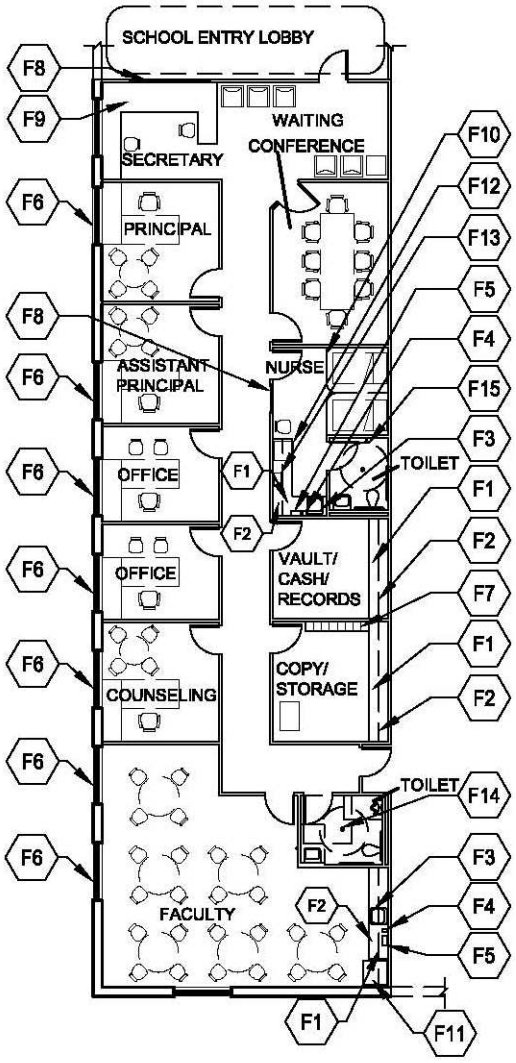
1. Adjacent to main school entry
2. Access to all areas of the school
3. Visual access to parent and bus drop-off areas

Spatial Relationship Diagram

Administrative Offices – 101 to 200 Students



SA-3 Administrative Offices – 201 to 400 Students



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

0 5' 10' 20'

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY: School enrollment of 201 to 400 students

SIZE:		
	Principal's Office	150 s.f.
	Assistant Principal's Office	150 s.f.
	Other Offices	240 s.f.
	Counseling	150 s.f.
	Reception/Secretary/Waiting	300 s.f.
	Faculty Area	600 s.f.
	Nurse's Office	150 s.f.
	Nurse's Office Restroom	50 s.f.
	Vault/Cash/Records	125 s.f.
	Copy/Mail/Storage	150 s.f.
	Conference Room	200 s.f.
	School Entry Lobby	200 s.f.
	Staff Restroom	See ISC-8

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Plastic laminate upper cabinets
F3 Sink(s): specialty type: SS large, deep, single
F4 Soap dispenser
F5 Paper towel dispenser
F6 Windows/daylight into space required
F7 Mail slots
F8 Interior window
F9 Reception counter
F10 Cubicle curtain
F11 Refrigerator
F12 Undercounter refrigerator
F13 Locking medicine cabinet
F14 Floor drain
F15 Handicapped shower wand

BIA School Facilities	Admin Suite - 201-400
Space Description	For square footages, see space template
1. Principal's office	
2. Assistant principal's office	
3. Other offices	
4. Counseling	
5. Reception/secretary/waiting	
6. Faculty area	
7. Nurse's office	
8. Nurse's office restroom	
9. Vault/cash/records	
10. Copy/mail/storage	
11. Conference room	
12. Staff restroom	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #7,8,10,12
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #6-8,12
• Cold	Yes in #6-8,12
Floor drain	Yes in #8,12
Sink(s): specialty type: SS large, deep, single	Yes in #6,7
Garbage disposal	Yes in #6
Handicapped access requirement	Yes in #6,8,12
Refrigerator w/ice maker connection	Yes in #6
Other plumbing equipment or requirements:	
• Cold water supply to coffee machine	Yes in #6
• Handicapped shower wand	Yes in #8
•	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes in #1-4,6, 7,11
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1-7, 10, 11
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #1-7,10,11
Wireless access point outlet (2-port)	Reg. coverage
Clock	Yes in #5
Surveillance camera	Yes in #5
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty											1	
Tackboard (4'-0")	Qty											1	
Copier (coordinate electrical requirements)	Qty										1		
Casework:													
• Plastic laminate base cabinets							Yes	Yes		Yes	Yes		
• Plastic laminate countertops							Yes	Yes		Yes	Yes		
• Plastic laminate upper cabinets							Yes	Yes		Yes	Yes		
• Reception counter						Yes							
• Mail slots											Yes		
• Medicine cabinet								Yes					
• Locks								Yes		Yes			
• Other													
Other equipment requirements:													
• High-density shelving										Yes	Yes		
• Cubicle curtain								Yes					
• Soap dispenser							Yes	Yes	Yes				Yes
• Paper towel dispenser							Yes	Yes	Yes				Yes
• Undercounter refrigerator								Yes					

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• CMU - ground face, integral color	✓	✓	✓	✓	✓	✓						
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Ceramic tile								✓				✓
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓			✓	✓	✓	
• VCT							✓	✓	✓	✓		✓
• Ceramic tile								✓				✓
• Sheet vinyl							✓	✓	✓	✓		✓
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"
• Gypsum board - painted								✓				✓
• Lay-in acoustical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Other												
Windows:												
• Windows/daylight into space required	Yes	Yes	Yes	Yes	Yes	Yes						
• Operable window required	Yes	Yes	Yes	Yes	Yes	Yes						
• Interior borrowed light window					Yes		Yes					
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
• With glazed lites	Yes	Yes	Yes	Yes	Yes		Yes				Yes	
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

- Semi-recessed: Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Central administrative suite for the school
2. Reception/secretary services, including receiving visitors and providing visual security for the main entry, as well as support for administrative staff
3. Office space for administrative and counseling staff
4. Nurse's office treatment of minor injuries, administration of medicine, and cots for sick children
5. Secured storage for cash and records
6. Work space for copying, mail distribution, and general administrative storage needs
7. Conferences with staff, students, parents, and other community members
8. Staff restroom for staff health needs
9. Break, lunch, and meeting area for faculty

Notes

Electrical:

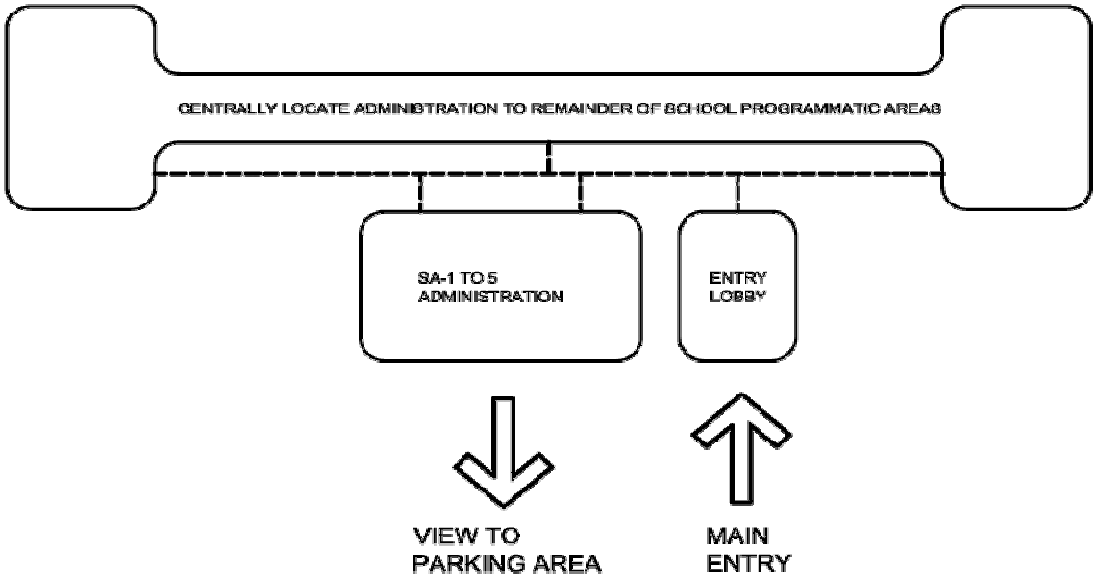
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency light near doors.
5. Provide emergency lighting for egress path.
6. Provide zone lighting at beds separately from work area lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide power for video conferencing if requested by the BIA.
9. Provide a minimum of three dedicated above-counter receptacles.
10. Provide a minimum of four dedicated receptacles in this space.

Key Space Design and Relationship Concepts

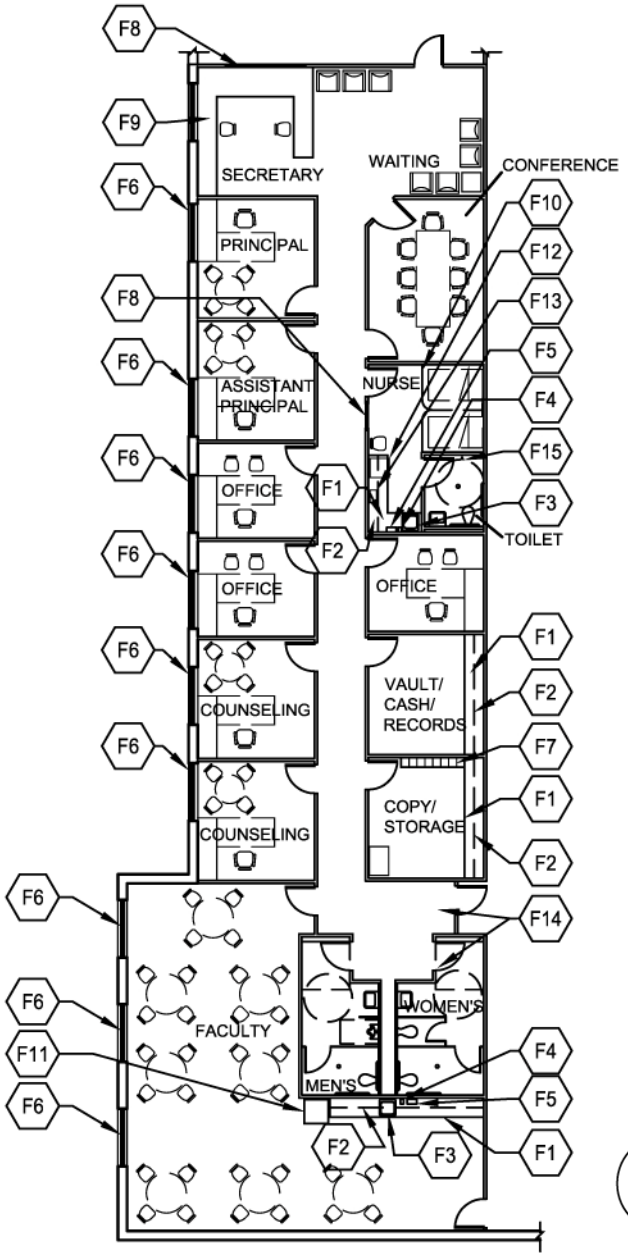
1. Adjacent to main school entry
2. Access to all areas of the school
3. Visual access to parent and bus drop-off areas

Spatial Relationship Diagram

Administrative Offices – 201 to 400 Students



SA-4 Administrative Offices – 400 Plus Students



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES
0 5' 10' 20'

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY: School enrollment of 400+ students

SIZE:		
	Principal's Office	150 s.f.
	Assistant Principal's Office	150 s.f.
	Other Offices	360 s.f.
	Counseling	300 s.f.
	Reception/Secretary/Waiting	400 s.f.
	Faculty Area	800 s.f.
	Nurse's Office	150 s.f.
	Nurse's Office Restroom	50 s.f.
	Vault/Cash/Records	150 s.f.
	Copy/Mail/Storage	150 s.f.
	Conference Room	200 s.f.
	School Entry Lobby	200 s.f.
	Staff Restroom	See ISC-8

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Plastic laminate upper cabinets
F3 Sink(s): specialty type: SS large, deep, single
F4 Soap dispenser
F5 Paper towel dispenser
F6 Windows/daylight into space required
F7 Mail slots
F8 Interior window
F9 Reception counter
F10 Cubicle curtain
F11 Refrigerator
F12 Undercounter refrigerator
F13 Locking medicine cabinet
F14 Floor drain
F15 Handicapped shower wand

BIA School Facilities	Admin Suite - 400+
Space Description	For square footages, see space template
1. Principal's office	
2. Assistant principal's office	
3. Other offices	
4. Counseling	
5. Reception/secretary/waiting	
6. Faculty area	
7. Nurse's office	
8. Nurse's office restroom	
9. Vault/cash/records	
10. Copy/mail/storage	
11. Conference room	
12. Staff restrooms	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #7,8,10,12
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #6-8,12
• Cold	Yes in #6-8,12
Floor drain	Yes in #8,12
Sink(s): specialty type: SS large, deep, single	Yes in #6,7
Garbage disposal	Yes in #6
Handicapped access requirement	Yes in #6,8,12
Refrigerator w/ice maker connection	Yes in #6
Other plumbing equipment or requirements:	
• Cold water supply to coffee machine	Yes in #6
• Handicapped shower wand	Yes in #8
•	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes in #1-4, 6, 7,11
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1-7,10,11
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #1-7,10,11
Wireless access point outlet (2-port)	Reg. coverage
Clock	Yes in #5
Surveillance camera	Yes in #5
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty											1	
Tackboard (4'-0")	Qty											1	
Copier (coordinate electrical requirements)	Qty										1		
Casework:													
• Plastic laminate base cabinets							Yes	Yes		Yes	Yes		
• Plastic laminate countertops							Yes	Yes		Yes	Yes		
• Plastic laminate upper cabinets							Yes	Yes		Yes	Yes		
• Reception counter						Yes							
• Mail slots											Yes		
• Medicine cabinet								Yes					
• Locks								Yes		Yes			
• Other													
Other equipment requirements:													
• High-density shelving										Yes	Yes		
• Cubicle curtain								Yes					
• Soap dispenser							Yes	Yes	Yes				Yes
• Paper towel dispenser							Yes	Yes	Yes				Yes
• Undercounter refrigerator								Yes					

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• CMU - ground face, integral color	✓	✓	✓	✓	✓	✓						
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Ceramic tile								✓				✓
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓			✓	✓	✓	
• VCT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Sheet vinyl							✓	✓	✓	✓		✓
• Ceramic tile								✓				✓
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"
• Gypsum board - painted								✓				✓
• Lay-in acoustical	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Other												
Windows:												
• Windows/daylight into space required	Yes	Yes	Yes	Yes	Yes	Yes						
• Operable window required	Yes	Yes	Yes	Yes	Yes	Yes						
• Interior borrowed light window					Yes		Yes					
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
• With glazed lites	Yes	Yes	Yes	Yes	Yes		Yes				Yes	
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency light near doors.
5. Provide emergency lighting for egress path.
6. Provide zone lighting at beds separately from work area lighting.
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide power for video conferencing if requested by the BIA.
9. Provide a minimum of three dedicated above-counter receptacles.
10. Provide a minimum of four dedicated receptacles in this space.

Key Space Design and Relationship Concepts

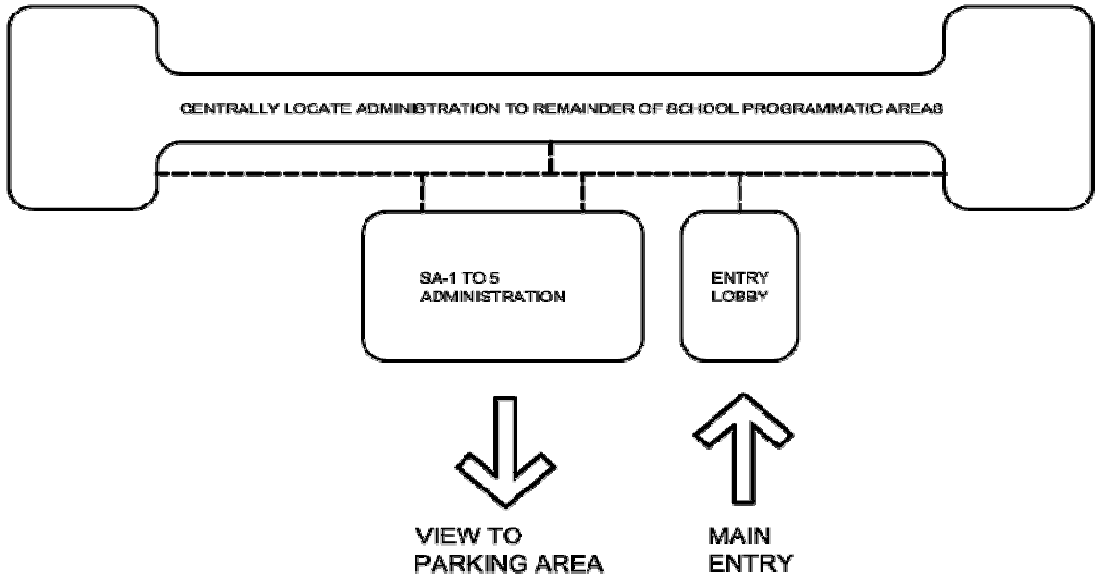
1. Adjacent to main school entry
2. Access to all areas of the school
3. Visual access to parent and bus drop-off areas

Program Activities

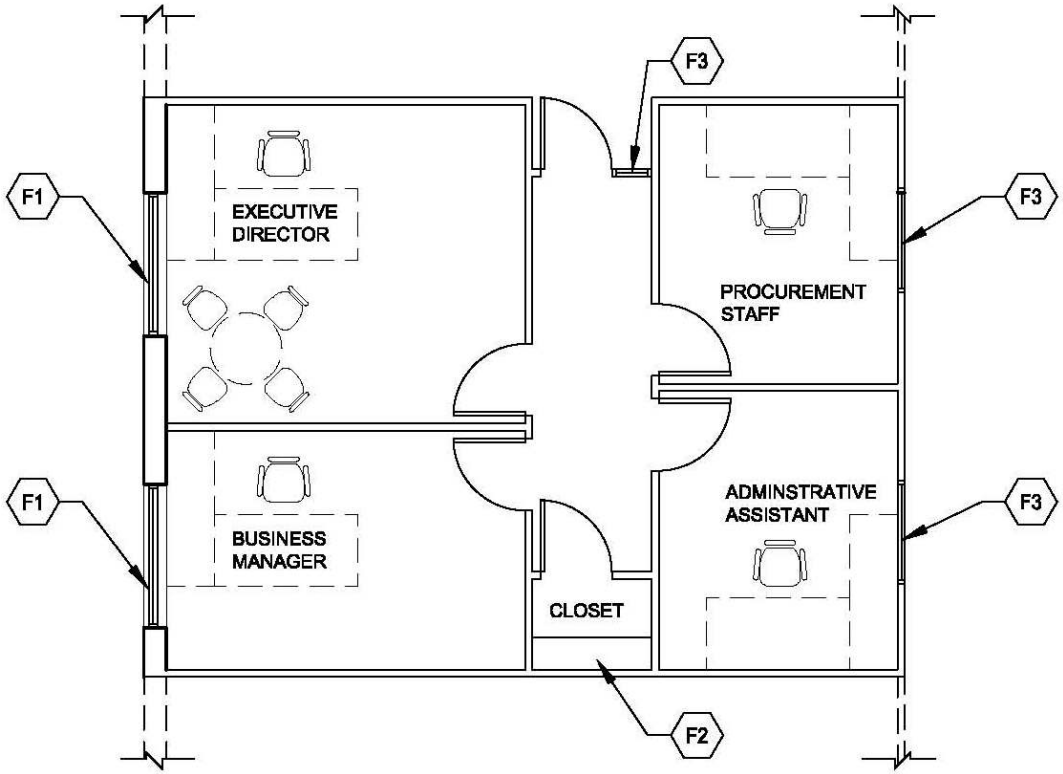
1. Central administrative suite for the school
2. Reception/secretary services, including receiving visitors and providing visual security for the main entry, as well as support for administrative staff
3. Office space for administrative and counseling staff
4. Nurse's office treatment of minor injuries, administration of medicine, and cots for sick children
5. Secured storage for cash and records
6. Work space for copying, mail distribution, and general administrative storage needs
7. Conferences with staff, students, parents, and other community members
8. Staff restroom for staff health needs
9. Break, lunch, and meeting area for faculty

Spatial Relationship Diagram

Administrative Offices – 400 Plus Students



SA-5 Grant School Administrative Offices



0 2' 4' 8'

1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY: N/A

SIZE:		
	Executive Director	200 s.f.
	Business Manager	150 s.f.
	Administrative Assistant	120 s.f.
	Procurement Staff	120 s.f.
	Closet	19 s.f.

Key Notes:

F1 Windows/daylight into space required
F2 16” deep adjustable shelving
F3 Interior window

BIA School Facilities Grant School Admin Offices

Space Description For square footages, see space template

1. Executive director's office
2. Business manager's office
3. Procurement staff office
4. Administrative assistant's office
5. Closet
6. Circulation corridor

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	Yes in #1-4
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Environmental Conditions

Other HVAC equipment or requirements:	
•	

Plumbing

Other plumbing equipment or requirements:	
•	

Communications/IT Requirements

Communication outlet (2-port) -standard	Yes in #1-4
Wireless access point outlet (2-port)	Reg. coverage
Other communications/IT equipment or requirements:	
•	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Tackboard (4'-0")	Qty	1	1	1	1								
Casework:													
• 16" deep adjustable shelving						Yes							
Other furnishings/millwork/ equipment requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓						
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓						
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓						
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓						
• Other												
Ceilings:												
• Minimum ceiling height	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"						
• Lay-in acoustical	✓	✓	✓	✓	✓	✓						
• Other												
Windows:												
• Windows/daylight into space required	Yes	Yes										
• Operable window required	Yes	Yes										
• Interior borrowed light window			Yes	Yes		Yes						
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes	Yes						
• With glazed lites	Yes	Yes	Yes	Yes		Yes						
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Office space for grant school administrative staff.

Notes

Electrical:

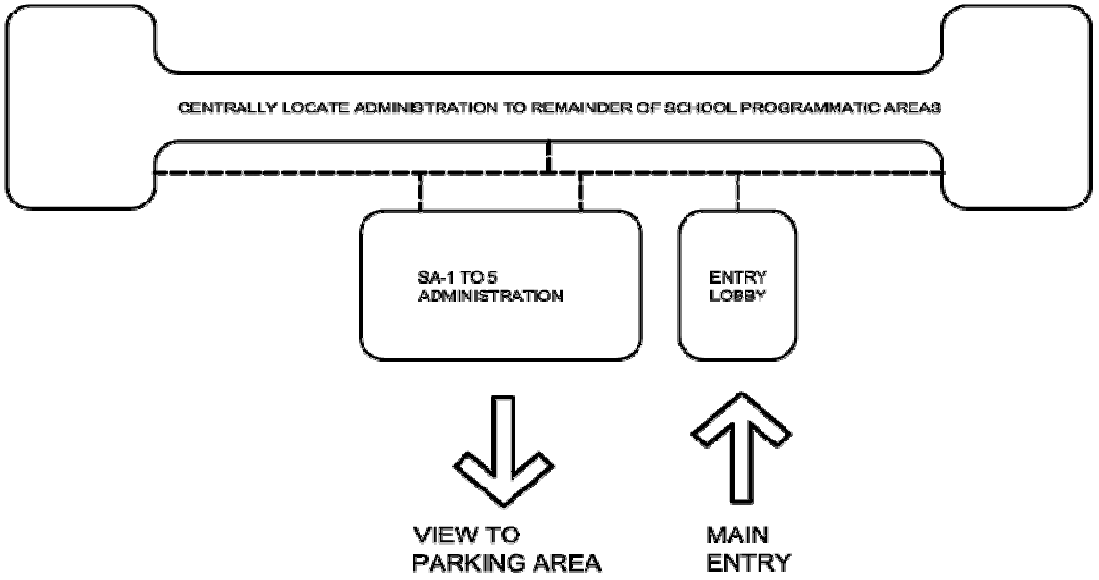
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency lighting for egress path.
5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Key Space Design and Relationship Concepts

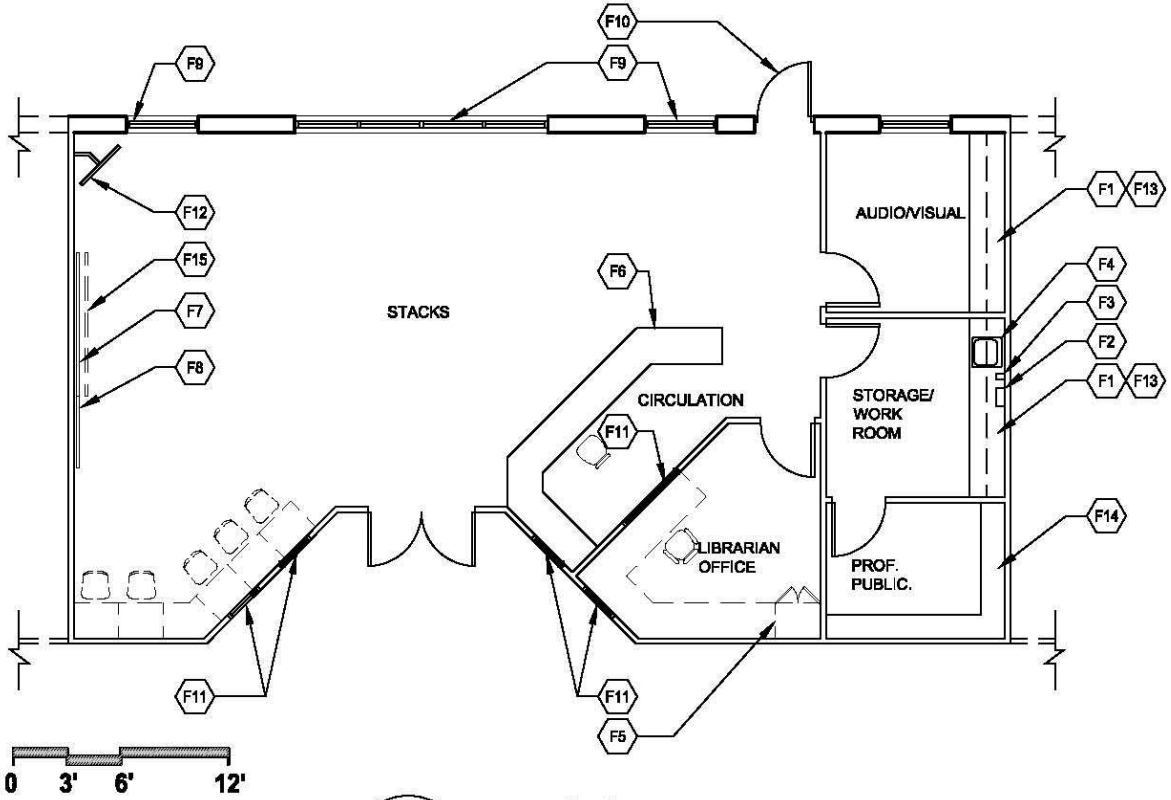
1. Adjacent to the school administrative suite
2. Access to all areas of the school

Spatial Relationship Diagram

Grant School Administrative Offices



MC-1 Grades K thru 8 Media Center – 100 Students or Fewer



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of room s.f.

CAPACITY:	Enrollment of 100 students or fewer	
SIZE:	800 s.f.	
ANCILLARY SPACES:	Professional Publications	75 s.f.
	Librarian Office	120 s.f.
	Audio/Visual Storage	100 s.f.
	Storage/Workroom	100 s.f.
	Circulation Desk	100 s.f.

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Paper towel dispenser
F3 Soap dispenser
F4 Sink(s): specialty type: SS, deep, single
F5 Tall wardrobe cabinet with locks
F6 Circulation desk
F7 Whiteboard
F8 Tackboard
F9 Windows/daylight into space required
F10 Exterior door
F11 Interior window
F12 TV with wall mounting bracket
F13 Plastic laminate upper cabinets
F14 16” deep adjustable shelving
F15 Overhead projection screen

BIA School Facilities	K-8 Media Center - <101

Space Description — For square footages, see space template

1. Reading, browsing, & stack area
2. Professional publications
3. Librarian office
4. Audio/visual
5. Storage/workroom
6. Circulation desk

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Air pressure (balanced is assumed):	
• Negative	Yes in #4,5
Heating/cooling at floor level critical to user age	Yes
Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes in #5
• Cold	Yes in #5
Sink(s): specialty type: SS large, deep, single	Yes in #5
Other plumbing equipment or requirements:	
•	

Acoustical Conditions

Speech privacy	Yes in #3
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3,6
• Direct/indirect lighting	Yes in #1,6
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements

Communication outlet (2-port) -standard	Yes in #4-6
Communication outlet (4-port) -teacher	Yes in #3
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1,4
Wireless access point outlet (2-port)	Reg. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Clock	Yes in #6
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment

		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets					Yes	Yes							
• Plastic laminate countertops					Yes	Yes							
• Plastic laminate upper cabinets					Yes	Yes							
• Tall wardrobe cabinet				Yes									
• Circulation desk							Yes						
• Bookcase		Yes											
• Locks				Yes									
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes											
• Soap dispenser						Yes							
• Paper towel dispenser						Yes							

Interior Finishes

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓						
• CMU - ground face, integral color	✓					✓						
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓						
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓						
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓						
• VCT		✓	✓	✓	✓							
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'	9'	9'	9'	10'						
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓						
• Gypsum board - painted	✓	✓	✓	✓	✓	✓						
• Lay-in acoustical	✓	✓	✓	✓	✓	✓						
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes		Yes			Yes						
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes							
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes		Yes		Yes							
• Exterior door required (emergency egress only)	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. The media center is an information laboratory that serves the instructional needs of the entire school.
2. Provides students with access to information technology and multimedia materials in an area that allows for individual, small group, and classroom research. Space should encourage the development of positive attitudes toward reading and learning.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency lighting for egress path.
6. Provide exterior emergency lighting.
7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
8. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
9. Provide a minimum of two dedicated receptacles per wall in this room.
10. Provide a receptacle mounted at +7'-0" for television.
11. Provide power for overhead projector.

Fire Protection:

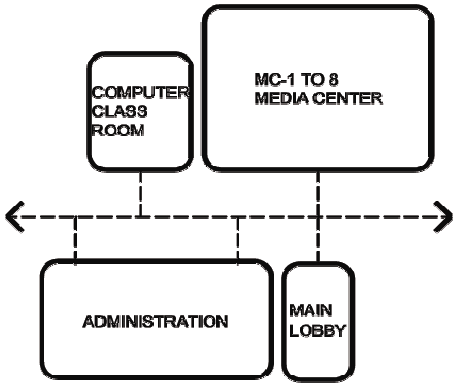
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

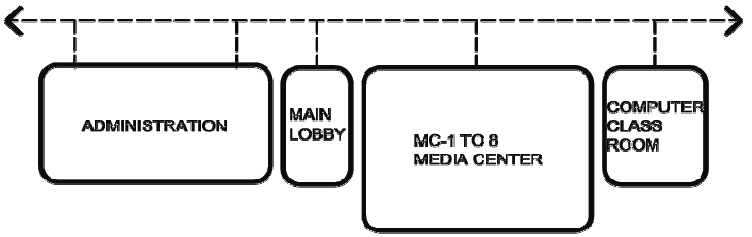
1. Near academic center of the school
2. Access to classrooms
3. Easy access to public parking

Spatial Relationship Diagram

Grades K thru 8 Media Center – 100 Students or Fewer

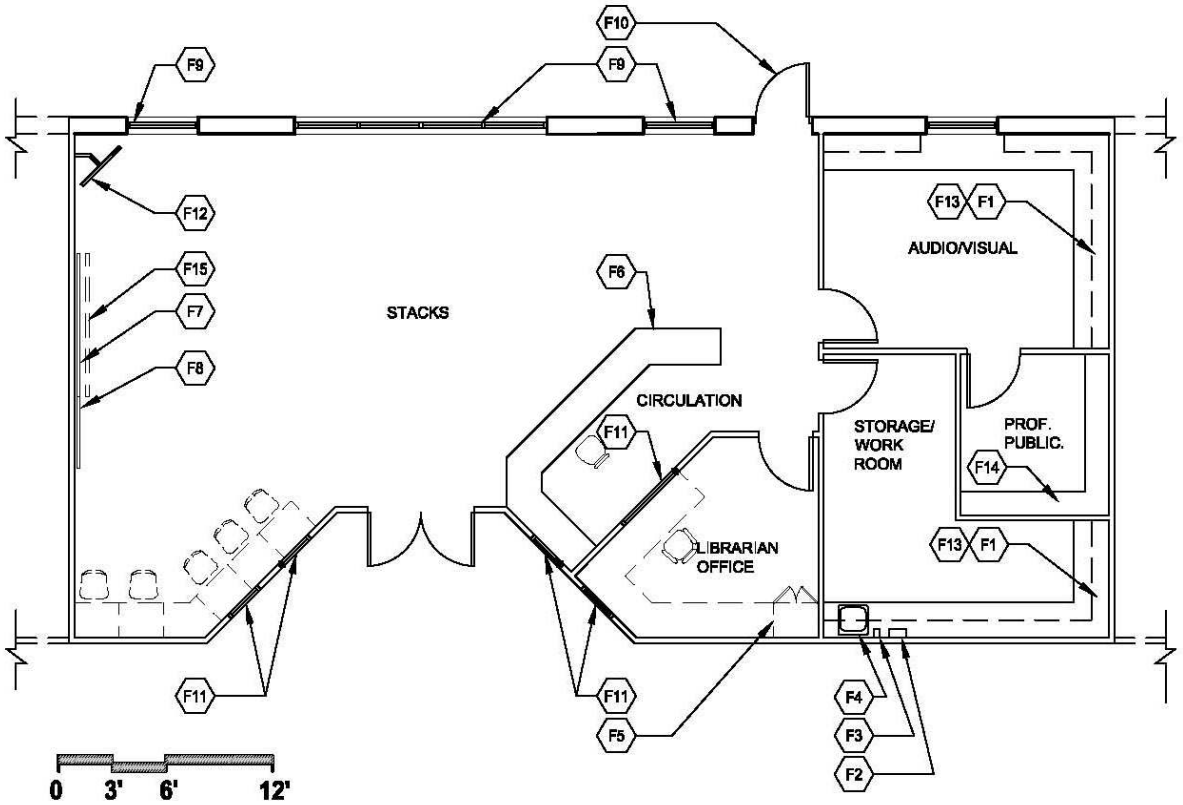


Opposite of main lobby



At front of school

MC-2 Grades K thru 8 Media Center – 101 to 200 Students



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of room s.f.

CAPACITY:	Enrollment of 101 to 200 students	
SIZE:	800 s.f.	
ANCILLARY SPACES:	Professional Publications	75 s.f.
	Librarian Office	120 s.f.
	Audio/Visual	175 s.f.
	Storage/Workroom	200 s.f.
	Circulation Desk	100 s.f.

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Paper towel dispenser
F3 Soap dispenser
F4 Sink(s): specialty type: SS, deep, single
F5 Tall wardrobe cabinet with locks
F6 Circulation desk
F7 Whiteboard
F8 Tackboard
F9 Windows/daylight into space required
F10 Exterior door
F11 Interior window
F12 TV with wall mounting bracket
F13 Plastic laminate upper cabinets
F14 16” deep adjustable shelving
F15 Overhead projection screen

BIA School Facilities	K-8 Media Center - 101-200
Space Description	For square footages, see space template
1. Reading, browsing, & stack area	
2. Professional publications	
3. Librarian office	
4. Audio/visual	
5. Storage/workroom	
6. Circulation desk	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #4,5
Heating/cooling at floor level critical to user age	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #5
• Cold	Yes in #5
Sink(s): specialty type: SS large, deep, single	Yes in #5
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	Yes in #3
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3,6
• Direct/indirect lighting	Yes in #1,6
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4-6
Communication outlet (4-port) -teacher	Yes in #3
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1,4
Wireless access point outlet (2-port)	Reg. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Clock	Yes in #6
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets					Yes	Yes							
• Plastic laminate countertops					Yes	Yes							
• Plastic laminate upper cabinets					Yes	Yes							
• Tall wardrobe cabinet				Yes									
• Circulation desk							Yes						
• Bookcase		Yes											
• Locks				Yes									
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes											
• Soap dispenser						Yes							
• Paper towel dispenser						Yes							

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓						
• CMU - ground face, integral color	✓					✓						
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓						
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓						
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓						
• VCT		✓	✓	✓	✓							
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'	9'	9'	9'	10'						
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓						
• Gypsum board - painted	✓	✓	✓	✓	✓	✓						
• Lay-in acoustical	✓	✓	✓	✓	✓	✓						
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes		Yes			Yes						
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes							
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes		Yes		Yes							
• Exterior door required (emergency egress only)	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. The media center is an information laboratory that serves the instructional needs of the entire school.
2. Provides students with access to information technology and multimedia materials in an area that allows for individual, small group, and classroom research. Space should encourage the development of positive attitudes toward reading and learning.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency lighting for egress path.
6. Provide exterior emergency lighting.
7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
8. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
9. Provide a minimum of two dedicated receptacles per wall in this room.
10. Provide a receptacle mounted at +7'-0" for television.
11. Provide power for overhead projector.

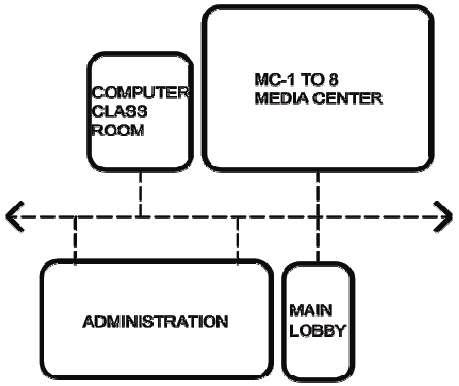
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

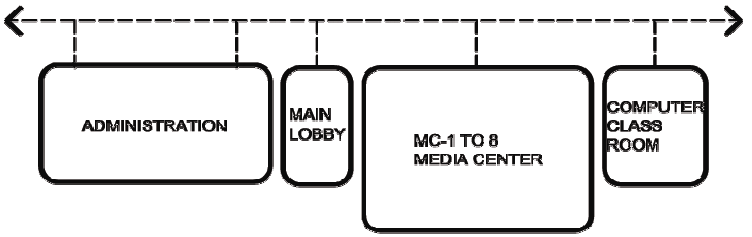
1. Near academic center of the school
2. Access to classrooms
3. Easy access to public parking

Spatial Relationship Diagram

Grades K thru 8 Media Center – 101 to 200 Students

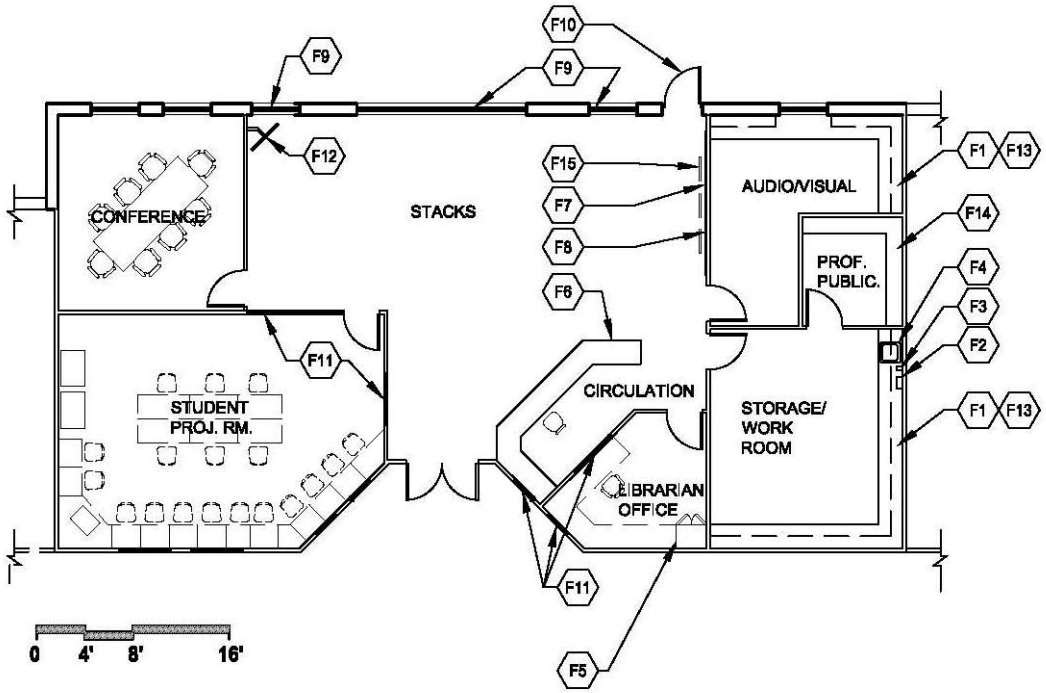


Opposite of main lobby



At front of school

MC-3 Grades K thru 8 Media Center – 201 to 400 Students



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	Enrollment of 201 to 400 students	
SIZE:	800 s.f. plus 30 s.f. per student of 15% of the total student design capacity over 200	
ANCILLARY SPACES:	Professional Publications	75 s.f.
	Librarian Office	120 s.f.
	Audio/Visual	200 s.f.
	Storage/Workroom	300 s.f.
	Circulation Desk	100 s.f.
	Student Project Room	500 s.f.
	Conference Room	250 s.f.

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Paper towel dispenser
F3 Soap dispenser
F4 Sink(s): specialty type: SS, deep, single
F5 Tall wardrobe cabinet with locks
F6 Circulation desk
F7 Whiteboard
F8 Tackboard
F9 Windows/daylight into space required
F10 Exterior door
F11 Interior window
F12 TV with wall mounting bracket
F13 Plastic laminate upper cabinets
F14 16” deep adjustable shelving
F15 Overhead projection screen

MC-3 Grades K thru 8 Media Center – 201 to 400 Students Space Criteria

BIA School Facilities	K-8 Media Center - 201-400

Space Description — For square footages, see space template

1. Reading, browsing, & stack area
2. Professional publications
3. Librarian office
4. Audio/visual
5. Storage/workroom
6. Circulation desk
7. Student project room
8. Conference room

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #4,5
Heating/cooling at floor level critical to user age	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #5
• Cold	Yes in #5
Sink(s): specialty type: SS large, deep, single	Yes in #5
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	Yes In #3,8
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3,6
• Direct/indirect lighting	Yes in #1,6
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4-8
Communication outlet (4-port) -teacher	Yes in #3
Communication outlet (1-port per computer station)	Yes in #7
CATV outlet (coax + Cat 6)	Yes in #1,4
Wireless access point outlet (2-port)	Req. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Clock	Yes in #6
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets					Yes	Yes							
• Plastic laminate countertops					Yes	Yes							
• Plastic laminate upper cabinets					Yes	Yes							
• Tall wardrobe cabinet				Yes									
• Circulation desk							Yes						
• Bookcase		Yes											
• Locks				Yes									
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes											
• Soap dispenser						Yes							
• Paper towel dispenser						Yes							

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• CMU - ground face, integral color	✓					✓	✓	✓				
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓	✓	✓				
• VCT		✓	✓	✓	✓		✓					
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'	9'	9'	9'	10'	10'	10'				
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• Gypsum board - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• Lay-in acoustical	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Windows:												
• Windows/daylight into space required	Yes							Yes				
• Operable window required	Yes							Yes				
• Interior borrowed light window			Yes			Yes	Yes					
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes		Yes	Yes				
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes		Yes		Yes		Yes	Yes				
• Exterior door required (emergency egress only)	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. The media center is an information laboratory that serves the instructional needs of the entire school.
2. Provides students with access to information technology and multimedia materials in an area that allows for individual, small group, and classroom research. Space should encourage the development of positive attitudes toward reading and learning.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency lighting for egress path.
6. Provide exterior emergency lighting.
7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
8. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
9. Provide a minimum of two dedicated receptacles per wall in this room.
10. Provide a receptacle mounted at +7'-0" for television.
11. Provide power for overhead projector.
12. Provide power for videoconferencing if requested by the BIA.

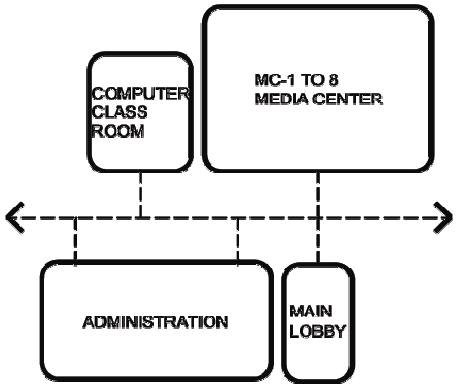
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

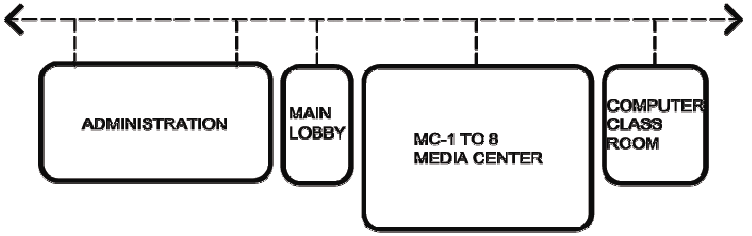
1. Near academic center of the school
2. Access to classrooms
3. Easy access to public parking

Spatial Relationship Diagram

Grades K thru 8 Media Center – 201 to 400 Students

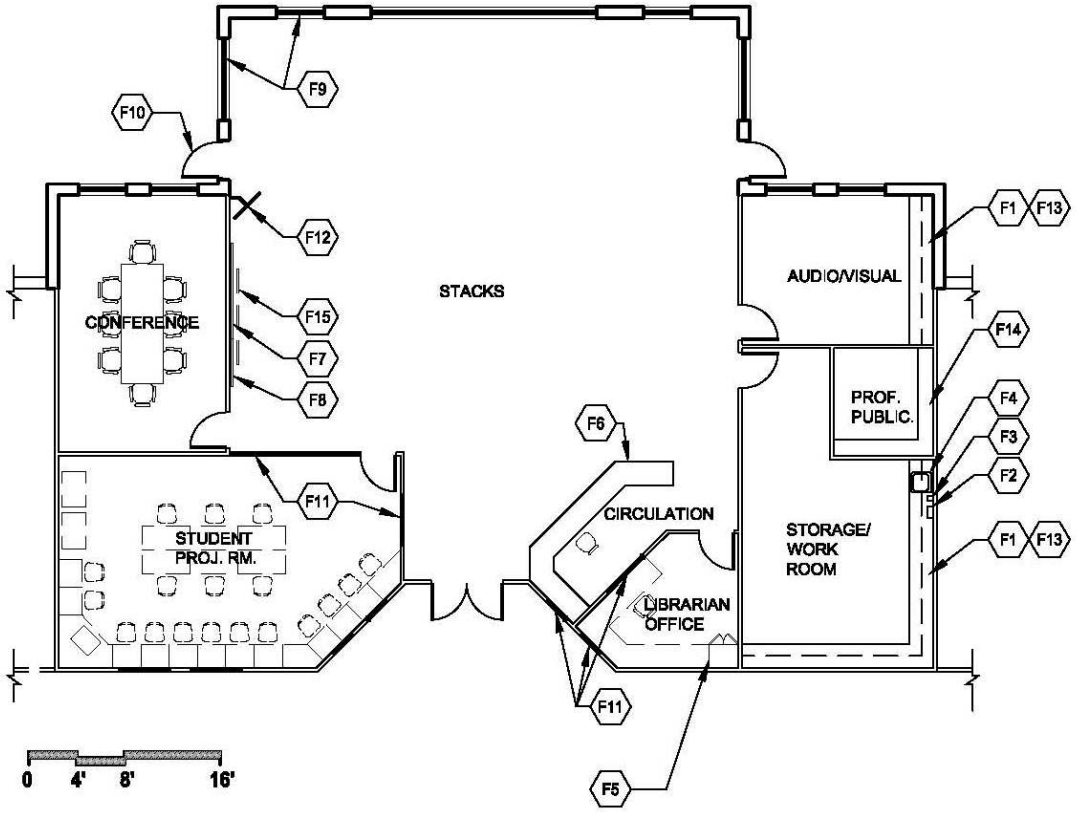


Opposite of main lobby



At front of school

MC-4 Grades K thru 8 Media Center – 400 Plus Students



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	Enrollment of 400+ students	
SIZE:	1,700 s.f. plus 30 s.f. per student of 15% of the total student design capacity over 400	
ANCILLARY SPACES:	Professional Publications	75 s.f.
	Librarian Office	120 s.f.
	Audio/Visual	200 s.f.
	Storage/Workroom	350 s.f.
	Circulation Desk	100 s.f.
	Student Project Room	500 s.f.
	Conference Room	300 s.f.

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Paper towel dispenser
F3 Soap dispenser
F4 Sink(s): specialty type: SS, deep, single
F5 Tall wardrobe cabinet with locks
F6 Circulation desk
F7 Whiteboard
F8 Tackboard
F9 Windows/daylight into space required
F10 Exterior door
F11 Interior window
F12 TV with wall mounting bracket
F13 Plastic laminate upper cabinets
F14 16” deep adjustable shelving
F15 Overhead projection screen

BIA School Facilities	K-8 Media Center - 400+
Space Description	For square footages, see space template
1. Reading, browsing, & stack area	
2. Professional publications	
3. Librarian office	
4. Audio/visual	
5. Storage/workroom	
6. Circulation desk	
7. Student project room	
8. Conference room	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #4,5
Heating/cooling at floor level critical to user age	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #5
• Cold	Yes in #5
Sink(s): specialty type: SS large, deep, single	Yes in #5
Other plumbing equipment or requirements:	
•	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes in #3,8
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3,6
• Direct/indirect lighting	Yes in #1,6
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4-8
Communication outlet (4-port) -teacher	Yes in #3
Communication outlet (1-port per computer station)	Yes in #7
CATV outlet (coax + Cat 6)	Yes in #1,4
Wireless access point outlet (2-port)	Req. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Clock	Yes in #6
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets					Yes	Yes							
• Plastic laminate countertops					Yes	Yes							
• Plastic laminate upper cabinets					Yes	Yes							
• Tall wardrobe cabinet				Yes									
• Circulation desk							Yes						
• Bookcase		Yes											
• Locks				Yes									
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes											
• Soap dispenser						Yes							
• Paper towel dispenser						Yes							

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• CMU - ground face, integral color	✓					✓	✓	✓				
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓	✓	✓				
• VCT		✓	✓	✓	✓		✓					
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'	9'	9'	9'	10'	10'	10'				
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• Gypsum board - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• Lay-in acoustical	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Windows:												
• Windows/daylight into space required	Yes							Yes				
• Operable window required	Yes							Yes				
• Interior borrowed light window			Yes			Yes	Yes					
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes		Yes	Yes				
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes		Yes		Yes		Yes	Yes				
• Exterior door required (emergency egress only)	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. The media center is an information laboratory that serves the instructional needs of the entire school.
2. Provides students with access to information technology and multimedia materials in an area that allows for individual, small group, and classroom research. Space should encourage the development of positive attitudes toward reading and learning.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency lighting for egress path.
6. Provide exterior emergency lighting.
7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
8. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
9. Provide a minimum of two dedicated receptacles per wall in this room.
10. Provide a receptacle mounted at +7'-0" for television.
11. Provide power for overhead projector.
12. Provide power for videoconferencing if requested by the BIA.

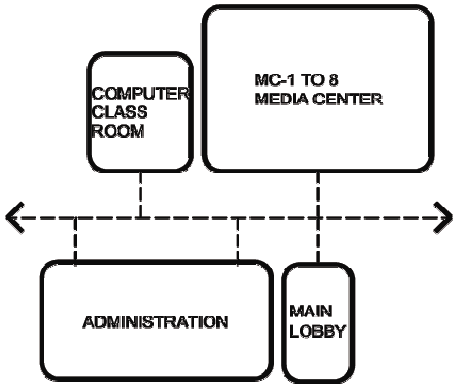
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

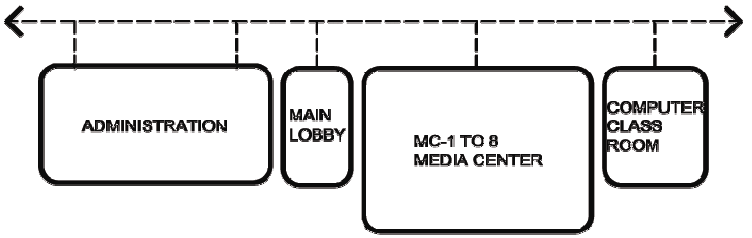
1. Near academic center of the school
2. Access to classrooms
3. Easy access to public parking

Spatial Relationship Diagram

Grades K thru 8 Media Center – 400 Plus Students

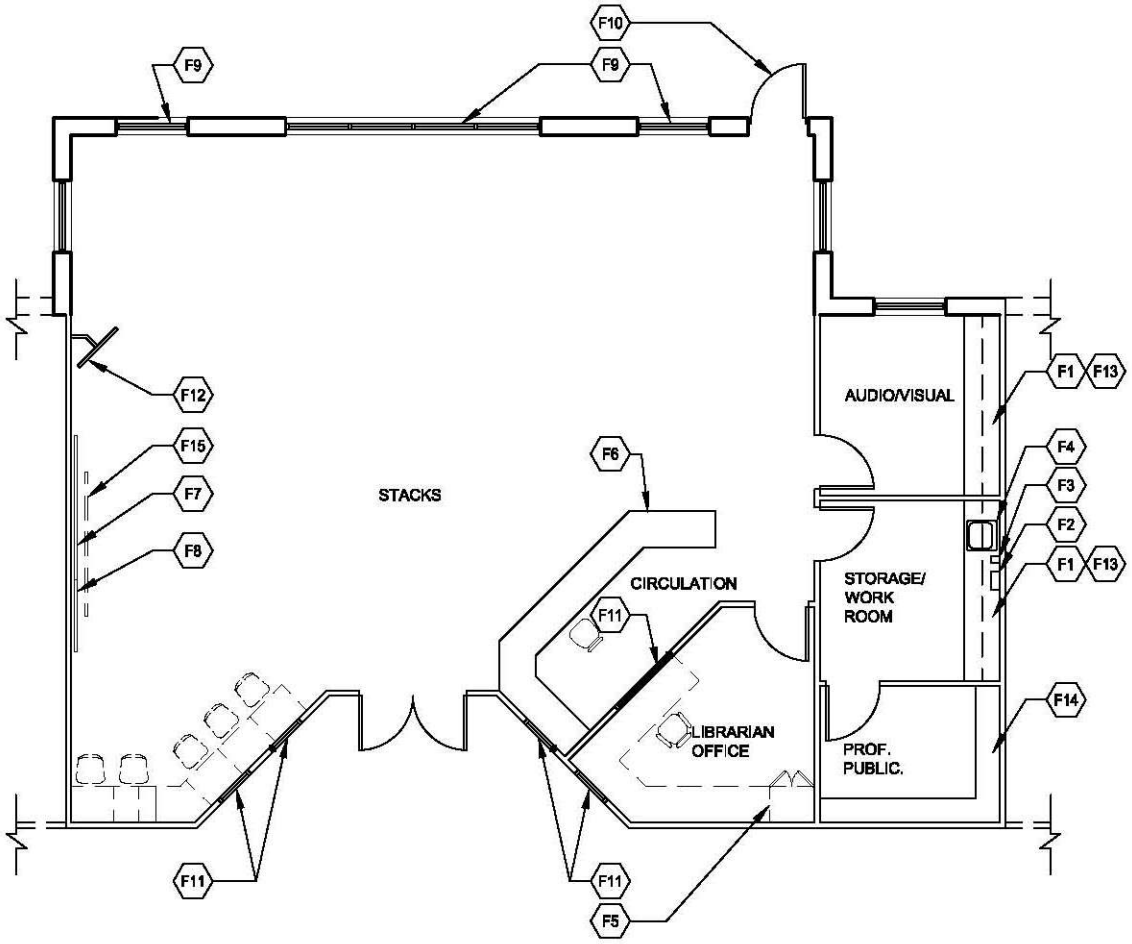


Opposite of main lobby



At front of school

MC-5 Grades 9 thru 12 Media Center – 100 Students or Fewer



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of room s.f.

CAPACITY:	Enrollment of 100 students or fewer	
SIZE:	1,200 s.f.	
ANCILLARY SPACES:	Professional Publications	75 s.f.
	Librarian Office	120 s.f.
	Audio/Visual	100 s.f.
	Storage/Workroom	100 s.f.
	Circulation Desk	100 s.f.

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Paper towel dispenser
F3 Soap dispenser
F4 Sink(s): specialty type: SS, deep, single
F5 Tall wardrobe cabinet with locks
F6 Circulation desk
F7 Whiteboard
F8 Tackboard
F9 Windows/daylight into space required
F10 Exterior door
F11 Interior window
F12 TV with wall mounting bracket
F13 Plastic laminate upper cabinets
F14 16” deep adjustable shelving
F15 Overhead projection screen

BIA School Facilities	9-12 Media Center - <101

Space Description — For square footages, see space template

1. Reading, browsing, & stack area
2. Professional publications
3. Librarian office
4. Audio/visual
5. Storage/workroom
6. Circulation desk

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #4,5
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #5
• Cold	Yes in #5
Sink(s): specialty type: SS large, deep, single	Yes in #5
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	Yes in #3
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3,6
• Direct/indirect lighting	Yes in #1,6
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4-6
Communication outlet (4-port) -teacher	Yes in #3
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1,4
Wireless access point outlet (2-port)	Reg. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Clock	Yes in #6
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets					Yes	Yes							
• Plastic laminate countertops					Yes	Yes							
• Plastic laminate upper cabinets					Yes	Yes							
• Tall wardrobe cabinet				Yes									
• Circulation desk							Yes						
• Bookcase		Yes											
• Locks				Yes									
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes											
• Soap dispenser						Yes							
• Paper towel dispenser						Yes							

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓						
• CMU - ground face, integral color	✓					✓						
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓						
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓						
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓						
• VCT		✓	✓	✓	✓							
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'	9'	9'	9'	10'						
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓						
• Gypsum board - painted	✓	✓	✓	✓	✓	✓						
• Lay-in acoustical	✓	✓	✓	✓	✓	✓						
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes		Yes			Yes						
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes							
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes		Yes		Yes							
• Exterior door required (emergency egress only)	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. The media center is an information laboratory that serves the instructional needs of the entire school.
2. Provides students with access to information technology and multimedia materials in an area that allows for individual, small group, and classroom research. Space should encourage the development of positive attitudes toward reading and learning.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency lighting for egress path.
6. Provide exterior emergency lighting.
7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
8. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
9. Provide a minimum of two dedicated receptacles per wall in this room.
10. Provide a receptacle mounted at +7'-0" for television.
11. Provide power for overhead projector.

Fire Protection:

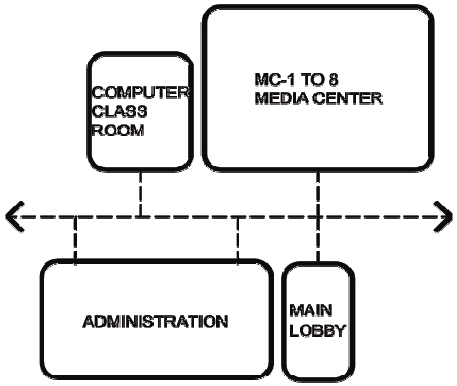
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

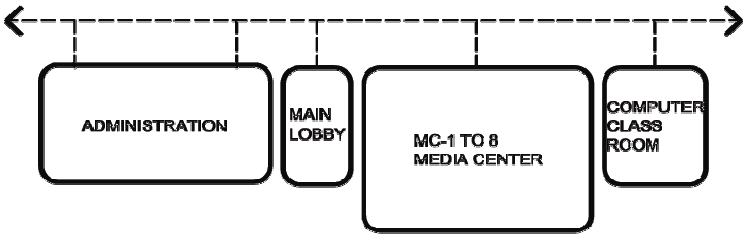
1. Near academic center of the school
2. Access to classrooms
3. Easy access to public parking

Spatial Relationship Diagram

Grades 9 thru 12 Media Center – 100 Students or Fewer

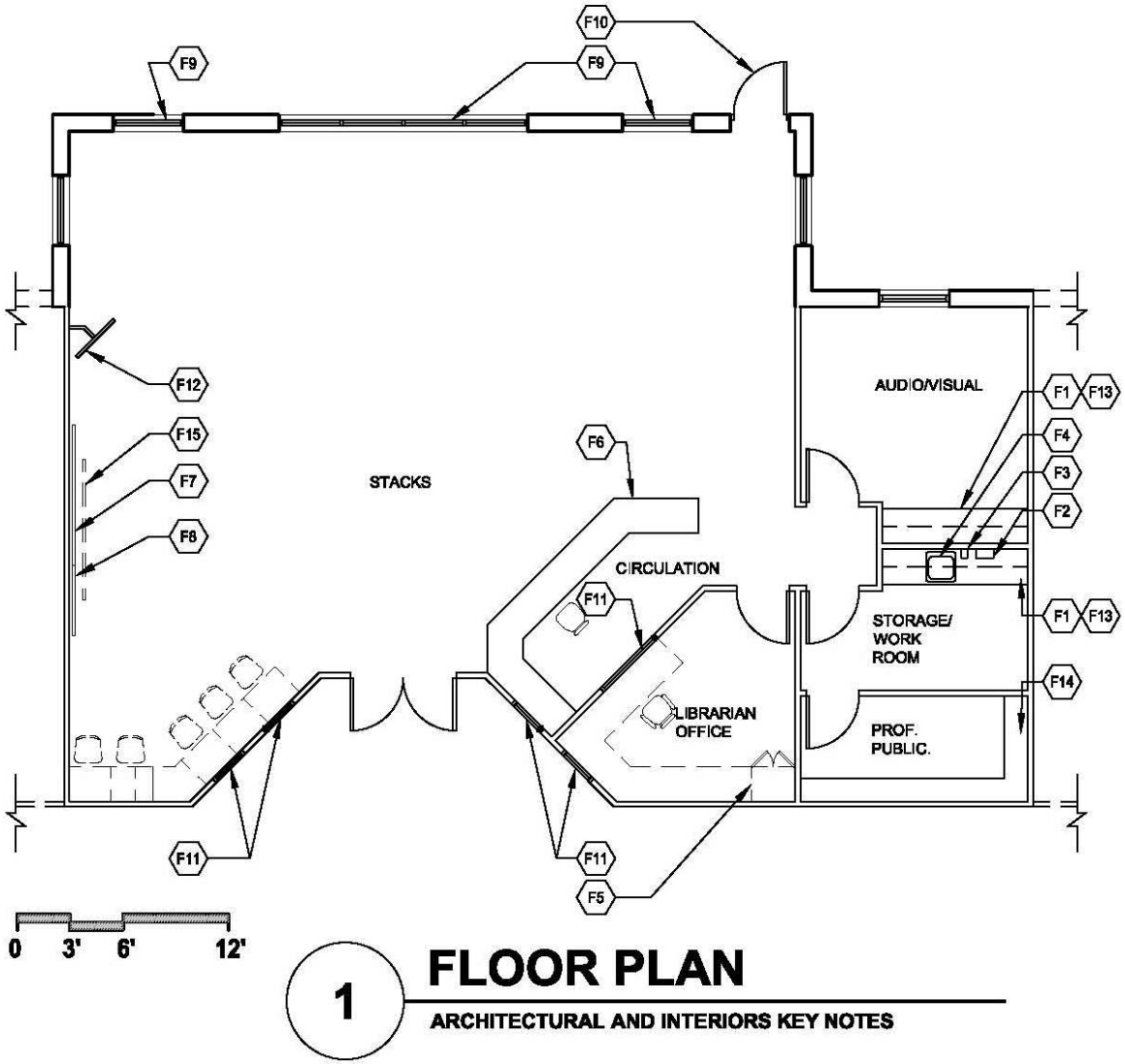


Opposite of main lobby



At front of school

MC-6 Grades 9 thru 12 Media Center – 101 to 200 Students



Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Computer lab is part of room s.f.

CAPACITY:	Enrollment of 101 to 200 students	
SIZE:	1,200 s.f.	
ANCILLARY SPACES:	Professional Publications	75 s.f.
	Librarian Office	120 s.f.
	Audio/Visual	175 s.f.
	Storage/Workroom	100 s.f.
	Circulation Desk	100 s.f.

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Paper towel dispenser
F3 Soap dispenser
F4 Sink(s): specialty type: SS, deep, single
F5 Tall wardrobe cabinet with locks
F6 Circulation desk
F7 Whiteboard
F8 Tackboard
F9 Windows/daylight into space required
F10 Exterior door
F11 Interior window
F12 TV with wall mounting bracket
F13 Plastic laminate upper cabinets
F14 16” deep adjustable shelving
F15 Overhead projection screen

BIA School Facilities	9-12 Media Center - 101-200

Space Description — For square footages, see space template

1. Reading, browsing, & stack area
2. Professional publications
3. Librarian office
4. Audio/visual
5. Storage/workroom
6. Circulation desk

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #4,5
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #5
• Cold	Yes in #5
Sink(s): specialty type: SS large, deep, single	Yes in #5
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	Yes in #3
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3,6
• Direct/indirect lighting	Yes in #1,6
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4-6
Communication outlet (4-port) -teacher	Yes in #3
Communication outlet (1-port per computer station)	Yes in #1
CATV outlet (coax + Cat 6)	Yes in #1,4
Wireless access point outlet (2-port)	Reg. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Clock	Yes in #6
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets					Yes	Yes							
• Plastic laminate countertops					Yes	Yes							
• Plastic laminate upper cabinets					Yes	Yes							
• Tall wardrobe cabinet				Yes									
• Circulation desk							Yes						
• Bookcase		Yes											
• Locks				Yes									
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes											
• Soap dispenser						Yes							
• Paper towel dispenser						Yes							

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓						
• CMU - ground face, integral color	✓					✓						
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓						
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓						
• VCT		✓	✓	✓	✓							
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓						
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'	9'	9'	9'	10'						
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓						
• Gypsum board - painted	✓	✓	✓	✓	✓	✓						
• Lay-in acoustical	✓	✓	✓	✓	✓	✓						
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes		Yes			Yes						
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes							
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes		Yes		Yes							
• Exterior door required (emergency egress only)	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. The media center is an information laboratory that serves the instructional needs of the entire school.
2. Provides students with access to information technology and multimedia materials in an area that allows for individual, small group, and classroom research. Space should encourage the development of positive attitudes toward reading and learning.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency lighting for egress path.
6. Provide exterior emergency lighting.
7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
8. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
9. Provide a minimum of two dedicated receptacles per wall in this room.
10. Provide a receptacle mounted at +7'-0" for television.
11. Provide power for overhead projector.

Fire Protection:

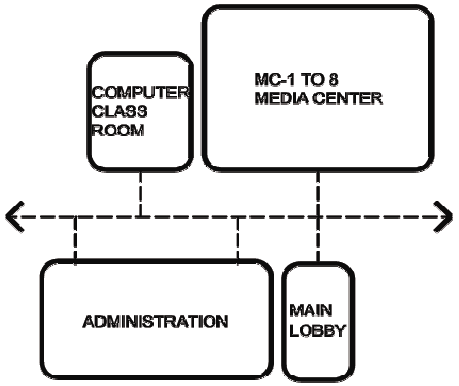
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

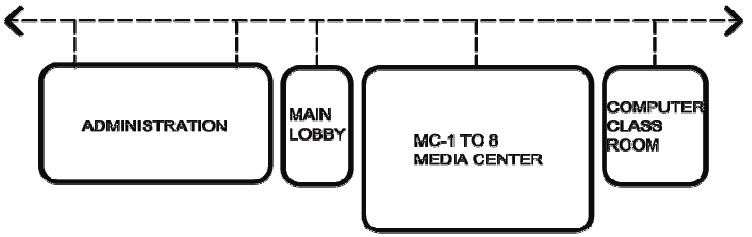
1. Near academic center of the school
2. Access to classrooms
3. Easy access to public parking

Spatial Relationship Diagram

Grades 9 thru 12 Media Center – 101 to 200 Students

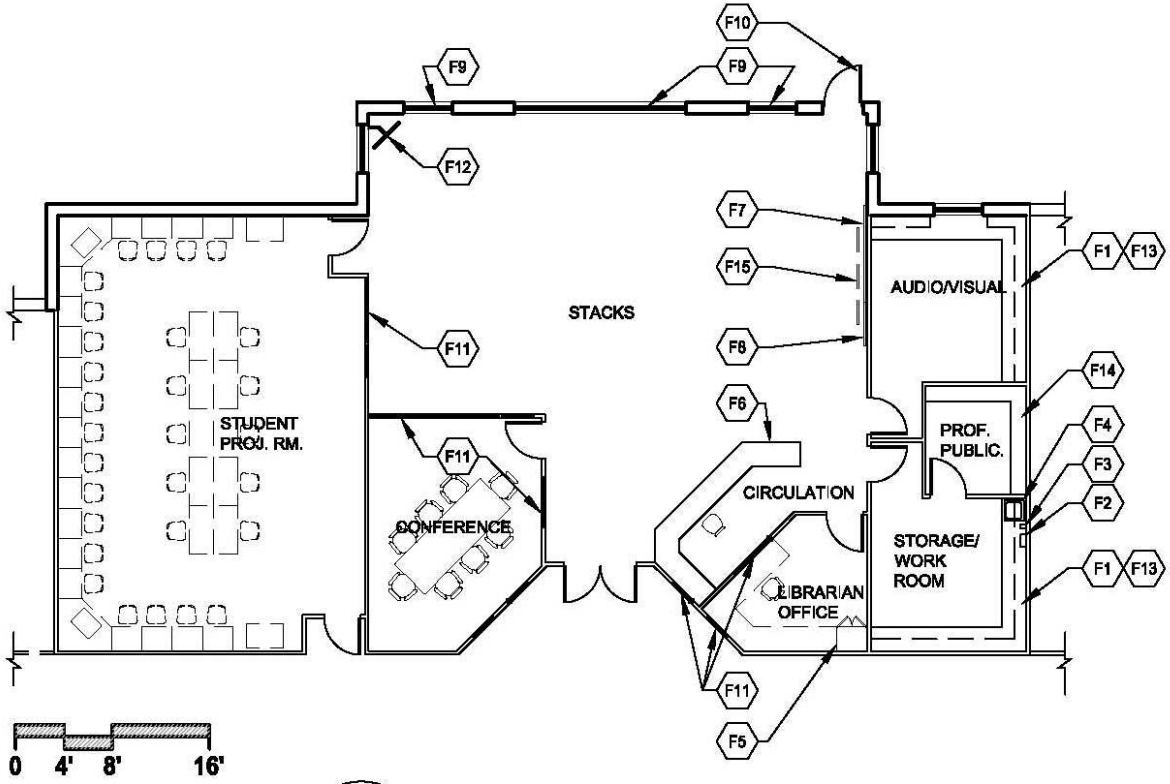


Opposite of main lobby



At front of school

MC-7 Grades 9 thru 12 Media Center – 201 to 400 Students



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	Enrollment of 201 to 400 students	
SIZE:	1,200 s.f. plus 30 s.f. per student of 15% of the total student design capacity over 200	
ANCILLARY SPACES:	Professional Publications	75 s.f.
	Librarian Office	120 s.f.
	Audio/Visual	200 s.f.
	Storage/Workroom	180 s.f.
	Circulation Desk	100 s.f.
	Student Project Room	880 s.f.
	Conference Room	250 s.f.

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Paper towel dispenser
F3 Soap dispenser
F4 Sink(s): specialty type: SS, deep, single
F5 Tall wardrobe cabinet with locks
F6 Circulation desk
F7 Whiteboard
F8 Tackboard
F9 Windows/daylight into space required
F10 Exterior door
F11 Interior window
F12 TV with wall mounting bracket
F13 Plastic laminate upper cabinets
F14 16” deep adjustable shelving
F15 Overhead projection screen

BIA School Facilities	9-12 Media Center - 201-400

Space Description — For square footages, see space template

1. Reading, browsing, & stack area
2. Professional publications
3. Librarian office
4. Audio/visual
5. Storage/workroom
6. Circulation desk
7. Student project room
8. Conference room

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #4,5
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #5
• Cold	Yes in #5
Sink(s): specialty type: SS large, deep, single	Yes in #5
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	Yes in #3,8
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3,6
• Direct/indirect lighting	Yes in #1,6
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4-8
Communication outlet (4-port) -teacher	Yes in #3
Communication outlet (1-port per computer station)	Yes in #7
CATV outlet (coax + Cat 6)	Yes in #1,4
Wireless access point outlet (2-port)	Req. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Clock	Yes in #6
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets					Yes	Yes							
• Plastic laminate countertops					Yes	Yes							
• Plastic laminate upper cabinets					Yes	Yes							
• Tall wardrobe cabinet				Yes									
• Circulation desk							Yes						
• Bookcase		Yes											
• Locks				Yes									
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes											
• Soap dispenser						Yes							
• Paper towel dispenser						Yes							

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• CMU - ground face, integral color	✓					✓	✓	✓				
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓				
• VCT		✓	✓	✓	✓		✓					
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'	9'	9'	9'	10'	10'	10'				
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• Gypsum board - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• Lay-in acoustical	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Windows:												
• Windows/daylight into space required	Yes							Yes				
• Operable window required	Yes							Yes				
• Interior borrowed light window			Yes			Yes	Yes	Yes				
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes		Yes	Yes				
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes		Yes		Yes		Yes	Yes				
• Exterior door required (emergency egress only)	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. The media center is an information laboratory that serves the instructional needs of the entire school.
2. Provides students with access to information technology and multimedia materials in an area that allows for individual, small group, and classroom research. Space should encourage the development of positive attitudes toward reading and learning.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency lighting for egress path.
6. Provide emergency light near door(s).
7. Provide exterior emergency lighting.
8. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
9. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
10. Provide a minimum of four dedicated receptacles on each lone wall in this room.
11. Provide a receptacle mounted at +7'-0" for television.
12. Provide power for overhead projector.
13. Provide power for videoconferencing if requested by the BIA.

Fire Protection:

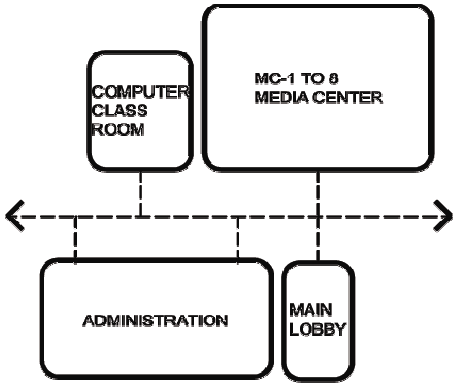
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

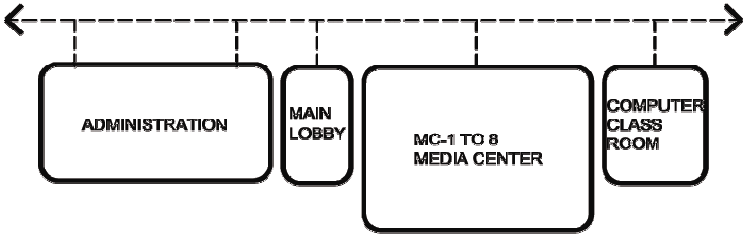
1. Near academic center of the school
2. Access to classrooms
3. Easy access to public parking

Spatial Relationship Diagram

Grades 9 thru 12 Media Center – 201 to 400 Students

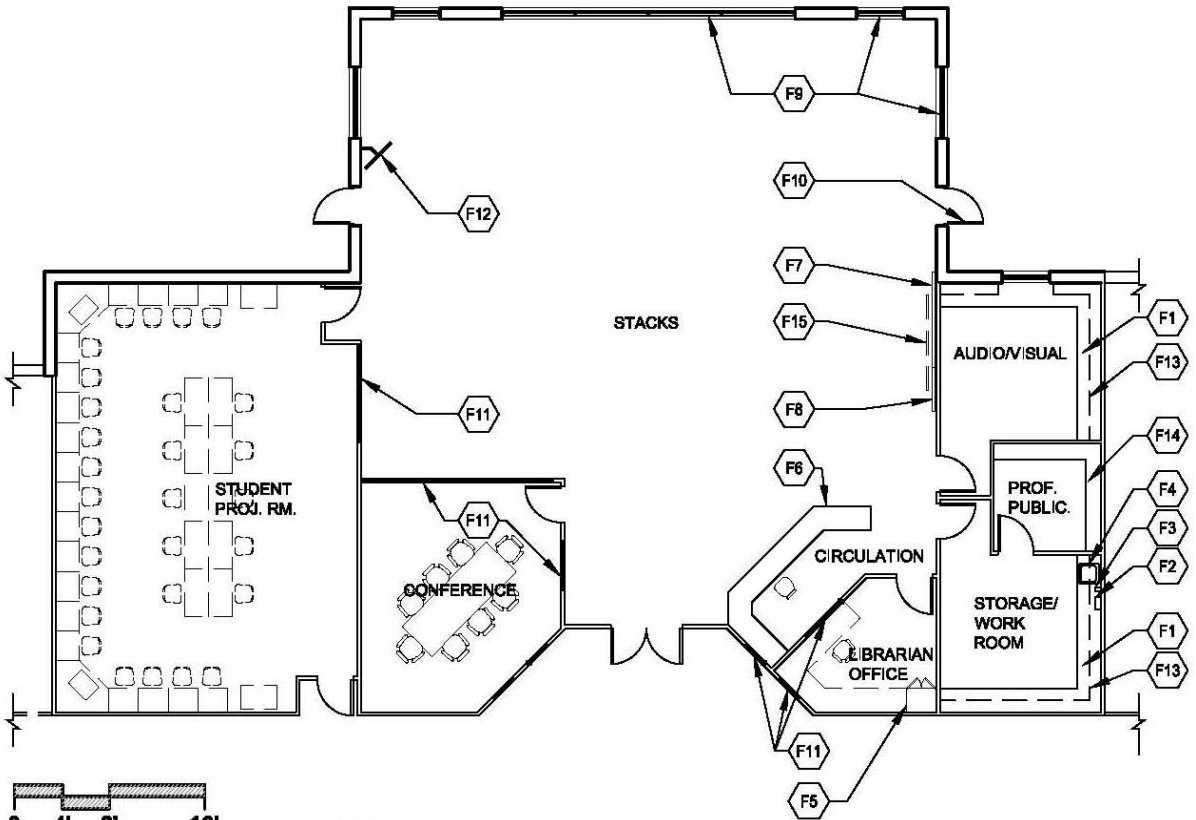


Opposite of main lobby



At front of school

MC-8 Grades 9 thru 12 Media Center – 400 Plus Students



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY:	Enrollment of 400+ students	
SIZE:	2,100 s.f. plus 30 s.f. per student of 15% of the total student design capacity over 400	
ANCILLARY SPACES:	Professional Publications	75 s.f.
	Librarian Office	120 s.f.
	Audio/Visual	200 s.f.
	Storage/Workroom	200 s.f.
	Circulation Desk	100 s.f.
	Student Project Room	880 s.f.
	Conference Room	300 s.f.

Key Notes:

F1 Plastic laminate base cabinets and countertop
F2 Paper towel dispenser
F3 Soap dispenser
F4 Sink(s): specialty type: SS, deep, single
F5 Tall wardrobe cabinet with locks
F6 Circulation desk
F7 Whiteboard
F8 Tackboard
F9 Windows/daylight into space required
F10 Exterior door
F11 Interior window
F12 TV with wall mounting bracket
F13 Plastic laminate upper cabinets
F14 16” deep adjustable shelving
F15 Overhead projection screen

BIA School Facilities	9-12 Media Center - 400+
Space Description	For square footages, see space template
1. Reading, browsing, & stack area	
2. Professional publications	
3. Librarian office	
4. Audio/visual	
5. Storage/workroom	
6. Circulation desk	
7. Student project room	
8. Conference room	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #4,5
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #5
• Cold	Yes in #5
Sink(s): specialty type: SS large, deep, single	Yes in #5
Other plumbing equipment or requirements:	
•	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes in #3,8
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1,3,6
• Direct/indirect lighting	Yes in #1,6
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4-8
Communication outlet (4-port) -teacher	Yes in #3
Communication outlet (1-port per computer station)	Yes in #7
CATV outlet (coax + Cat 6)	Yes in #1,4
Wireless access point outlet (2-port)	Req. coverage
Outlet (1-port) for future interactive whiteboard	Yes in #1
Clock	Yes in #6
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets					Yes	Yes							
• Plastic laminate countertops					Yes	Yes							
• Plastic laminate upper cabinets					Yes	Yes							
• Tall wardrobe cabinet				Yes									
• Circulation desk							Yes						
• Bookcase		Yes											
• Locks				Yes									
• 16" deep adjustable shelving			Yes										
Other furnishings/millwork/ equipment or requirements:													
• Acoustical wall panels		Yes											
• Soap dispenser						Yes							
• Paper towel dispenser						Yes							

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• CMU - ground face, integral color	✓					✓	✓	✓				
• Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓				
• VCT		✓	✓	✓	✓		✓					
• Other												
Floors:												
• Carpet	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Ceilings:												
• Minimum ceiling height	10'	9'	9'	9'	9'	10'	10'	10'				
• Exposed to structure - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• Gypsum board - painted	✓	✓	✓	✓	✓	✓	✓	✓				
• Lay-in acoustical	✓	✓	✓	✓	✓	✓	✓	✓				
• Other												
Windows:												
• Windows/daylight into space required	Yes							Yes				
• Operable window required	Yes							Yes				
• Interior borrowed light window			Yes			Yes	Yes	Yes				
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes		Yes	Yes				
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes		Yes		Yes		Yes	Yes				
• Exterior door required (emergency egress only)	Yes											
• Other												

Structural Requirements

Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. The media center is an information laboratory that serves the instructional needs of the entire school.
2. Provides students with access to information technology and multimedia materials in an area that allows for individual, small group, and classroom research. Space should encourage the development of positive attitudes toward reading and learning.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide direct/indirect lighting system.
5. Provide emergency lighting for egress path.
6. Provide emergency light near door(s).
7. Provide exterior emergency lighting.
8. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
9. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
10. Provide a minimum of four dedicated receptacles on each lone wall in this room.
11. Provide a receptacle mounted at +7'-0" for television.
12. Provide power for overhead projector.
13. Provide power for videoconferencing if requested by the BIA.

Fire Protection:

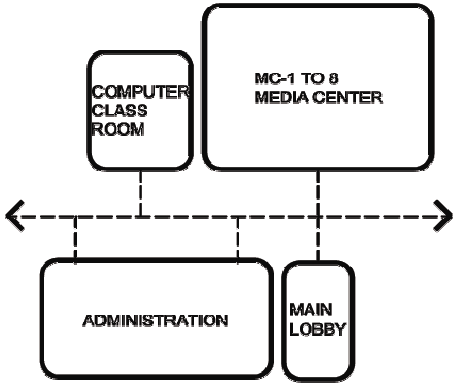
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

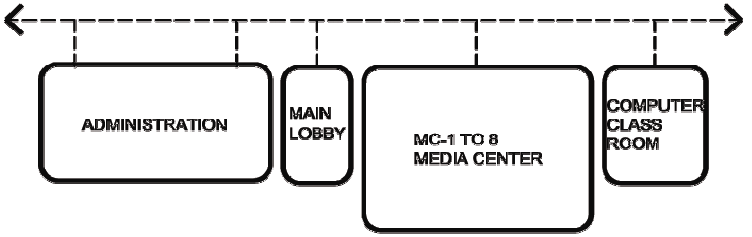
1. Near academic center of the school
2. Access to classrooms
3. Easy access to public parking

Spatial Relationship Diagram

Grades 9 thru 12 Media Center – 400 Plus Students

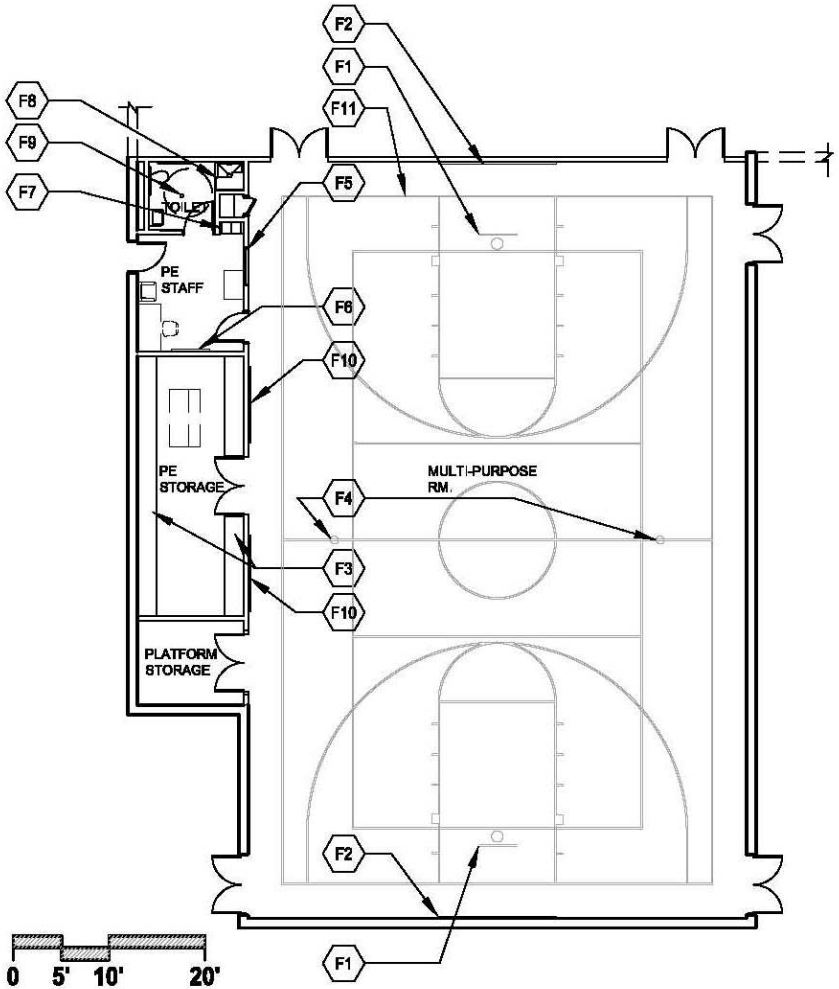


Opposite of main lobby



At front of school

PE-1 Elementary School Multi-Purpose Room



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Storage and staff areas may be relocated to conform to building design.
2. Provide public restrooms in close proximity to gym.
3. Provide after-hours lobby entry to gym.
4. Exterior window locations may be modified.

CAPACITY:	N/A	
SIZE:	4,104 s.f. (54’ x 76’)	
ANCILLARY SPACES:	PE Staff Office	120 s.f.
	PE Staff Toilet	100 s.f
	Portable Platform Storage	100 s.f.
	PE Storage	300 s.f.

Key Notes:

F1 Basketball goals
F2 Wall padding
F3 16” deep adjustable shelving
F4 Volleyball stanchion floor anchors
F5 Interior window
F6 Tackboard
F7 Lockers
F8 Handicapped shower stall
F9 Floor drain
F10 Whiteboard
F11 Court markings

BIA School Facilities — **Elem. Multi-Purpose Room**

Space Description — For square footages, see space template

1. Elementary school multi-purpose room
2. PE staff office
3. PE staff restroom and shower
4. Portable platform storage
5. PE storage

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	Yes

Electrical/Lighting	
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Multi-level switched	Yes in #1
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty		1										
Casework:													
• 16" deep adjustable shelving						Yes							
Other furnishings/millwork/ equipment or requirements:													
• Wall padding		Yes											
• Basketball goals		Yes											
• Scoreboard		Yes											
• Volleyball sleeves and standards		Yes											
• Lockers			Yes										
•													

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Special zoning: isolate air from neighbors	Yes
Space has own exhaust mode	Yes in #1
Other HVAC equipment or requirements:	
• CO_2 demand ventilation control	Yes
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #2
CATV outlet (coax + Cat 6)	Yes in #2
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Speaker - wall mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓							
• CMU - ground face, integral color	✓											
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓							
• Other												
Floors:												
• VCT		✓	✓	✓	✓							
• Wood	✓											
• Fluid applied flooring system		✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height (clear height)	20'	9'	9'									
• Exposed to structure - painted	✓	✓	✓	✓	✓							
• Lay-in acoustical		✓	✓									
• Other												
Windows:												
• Windows/daylight into space (only if diffused daylight)	✓											
• Interior borrowed light window		Yes										
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes							
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes	Yes										
• Exterior door required	Yes											
• Other												

Plumbing	
Domestic water:	
• Hot	Yes in #3
• Cold	Yes in #1,3
Floor drain	Yes in #3
Drinking fountain	Yes in #1
Bubbler	Yes in #1
Handicapped shower w/controls	Yes in #3
Other plumbing equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Structural Requirements	
Special suspended loading req.:	
• Basketball goals	Yes
Acoustical req. for structural system:	
• Consider acoustical sound block for walls (CMU)	Yes
• Consider acoustic roof deck	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Occupancy limit	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes in #2,3
• Protection	Yes in #1,4,5
Other fire protection equipment or requirements:	
•	

Program Activities

1. Student exercise, sports activities, intramural games, and physical fitness
2. Student assemblies and performances
3. Community use

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency lighting for egress path.
5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in gymnasiums and storage areas.

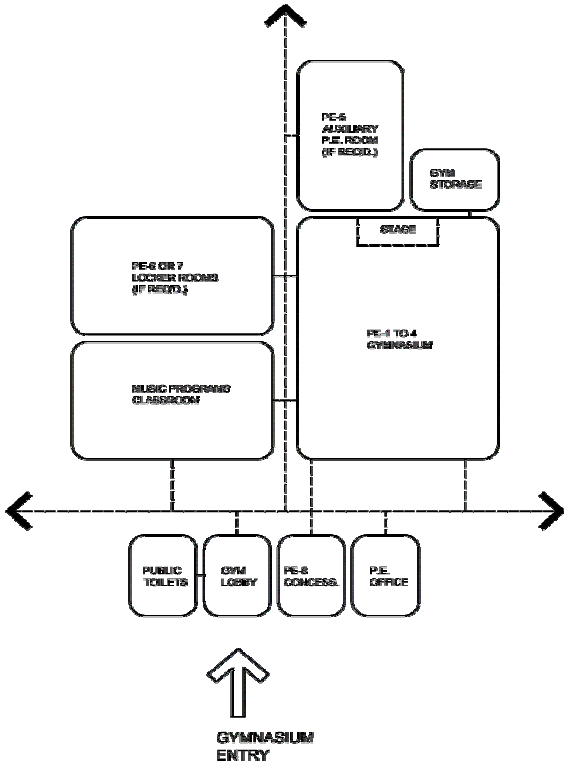
Plumbing:
1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

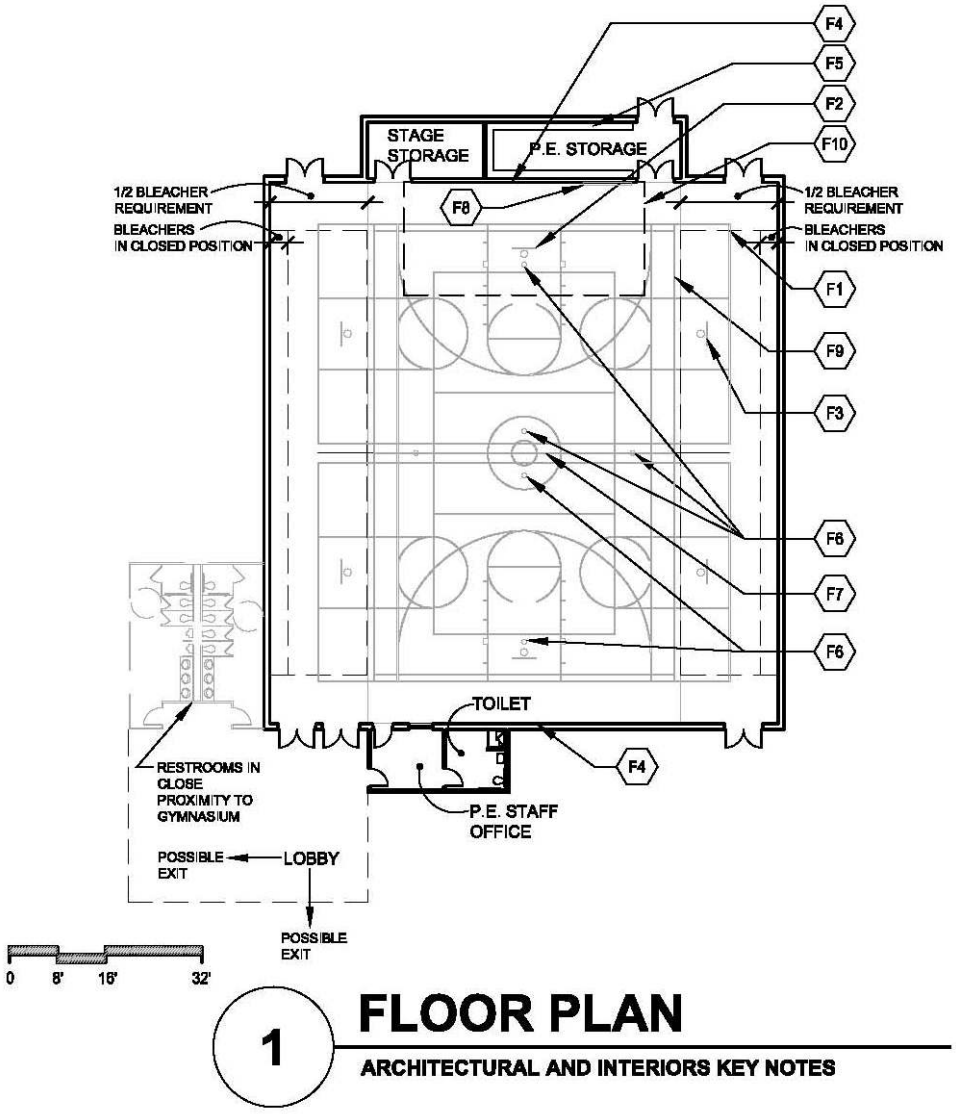
1. Direct access to outdoors and playfields
2. Adjacent to public parking

Spatial Relationship Diagram

Elementary School Multi-Purpose Room



PE-2 Elementary or Middle School Mini Gymnasium



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Storage and staff areas may be relocated to conform to building design.
2. Provide public restrooms in close proximity to gym.
3. Provide after-hours lobby entry to gym.
4. Exterior door locations may be modified.

CAPACITY:	N/A	
SIZE:	4,680 s.f. (52’ x 90’) not including bleacher seating. See *BIE Space Criteria Handbook* for bleacher seating requirements.	
ANCILLARY SPACES:	PE Staff Office (2 required for grades 7–9)	120 s.f.
	PE Staff Toilet (2 required for grades 7–9)	100 s.f.
	Stage Storage	100 s.f.
	PE Storage	300 s.f.

Key Notes:

F1 Bleachers
F2 Basketball goals (main court)
F3 Basketball goals (side courts)
F4 Wall padding
F5 16” deep adjustable shelving
F6 Volleyball stanchion floor anchors
F7 Center gym divider curtain
F8 Scoreboard
F9 Court markings
F10 Stage location when utilized

PE-2 Elementary or Middle School Mini Gymnasium Space Criteria

BIA School Facilities	Mini Gymnasium
Space Description	For square footages, see space template
1. Elementary or middle school mini gymnasium	
2. PE staff office	
3. PE staff restroom and shower	
4. Stage storage	
5. PE storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	Yes

Electrical/Lighting	
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• 16" deep adjustable shelving					Yes							
Other furnishings/millwork/ equipment or requirements:												
• Bleachers	Yes											
• Center divider curtain	Yes											
• Wall padding	Yes											
• Basketball goals (main court)	Yes											
• Basketball goals (side court)	Yes											
• Scoreboard	Yes											
• Volleyball sleeves and standards	Yes											
•												

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Special zoning: isolate air from neighbors	Yes
Space has own exhaust mode	Yes in #1
Other HVAC equipment or requirements:	
• CO_2 demand ventilation control	Yes
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #2
CATV outlet (coax + Cat 6)	Yes in #2
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Speaker - wall mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
• Pay phone (1-port)	Yes in #2
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓							
• CMU - ground face, integral color	✓											
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓							
• Other												
Floors:												
• VCT		✓	✓	✓	✓							
• Wood	✓											
• Fluid applied flooring system		✓	✓									
• Other												
Ceilings:												
• Minimum ceiling height (clear height)	22'	9'	9'									
• Exposed to structure - painted	✓	✓	✓	✓	✓							
• Lay-in acoustical		✓	✓									
• Other												
Windows:												
• Windows/daylight into space (only if diffused daylight)	✓											
• Interior borrowed light window		Yes										
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes							
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes	Yes										
• Exterior door required	Yes											
• Overhead coiling grille at concessions	Yes											
• Other												

Plumbing	
Domestic water:	
• Hot	Yes in #3
• Cold	Yes in #1,3
Floor drain	Yes in #3
Drinking fountain	Yes in #1
Bubbler	Yes in #1
Handicapped shower w/controls	Yes in #3
Other plumbing equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Structural Requirements	
Special suspended loading req.:	
• Basketball goals	Yes
Acoustical req. for structural system:	
• Consider acoustical sound block for walls (CMU)	Yes
• Consider acoustic roof deck	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Occupancy limit	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes in #2,3
• Protection	Yes in #1,4,5
Other fire protection equipment or requirements:	
•	

Program Activities

1. Student exercise, sports activities, intramural games, and physical fitness
2. Student assemblies and performances
3. Community use

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency lighting for egress path.
5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in gymnasiums and storage areas.

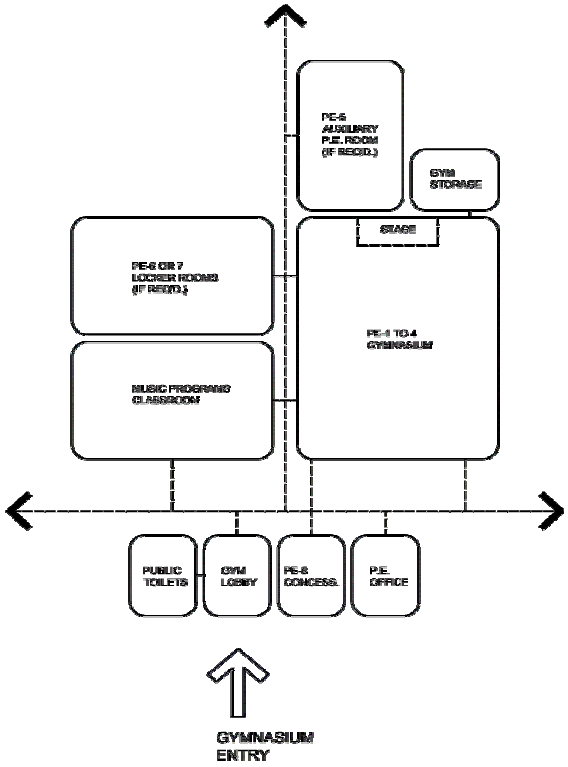
Plumbing:
1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

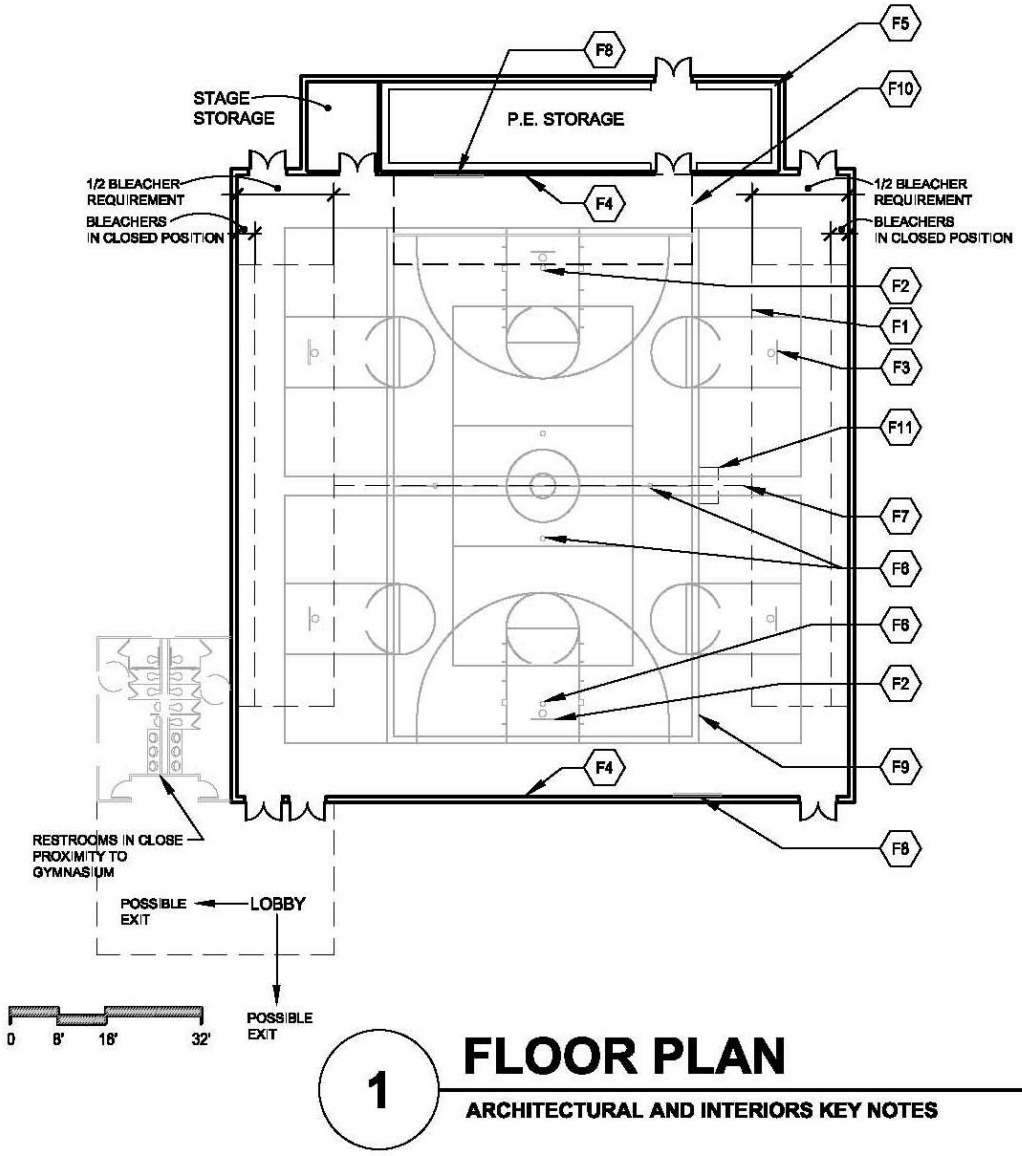
1. Direct access to outdoors and playfields
2. Adjacent to public parking

Spatial Relationship Diagram

Elementary or Middle School Mini Gymnasium



PE-3 High School Gymnasium – Fewer Than 201 Students



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Storage and staff areas may be relocated to conform to building design.
2. Provide public restrooms in close proximity to gym.
3. Provide after-hours lobby entry to gym.
4. Locate locker rooms adjacent to gymnasium, location to be determined by each school.
5. Locate concessions in gym lobby.
6. Exterior door locations may be modified.

CAPACITY:	N/A	
SIZE:	7,280 s.f. (70’ x 104’) not including bleacher seating. See *BIE Space Criteria Handbook* for bleacher seating requirements.	
ANCILLARY SPACES:	Stage Storage	100 s.f.
	PE Storage	1,000 s.f.

Key Notes:

F1 Bleachers
F2 Basketball goals (main court)
F3 Basketball goals (side courts)
F4 Wall padding
F5 16” deep adjustable shelving
F6 Volleyball stanchion floor anchors
F7 Center gym divider curtain
F8 Scoreboard
F9 Court markings
F10 Stage location when utilized
F11 Scorer’s table

PE-3 High School Gymnasium – Fewer Than 201 Students Space Criteria

BIA School Facilities	HS Gymnasium
Space Description	For square footages, see space template
1. High school gymnasium	
2. Stage storage	
3. PE storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	Yes in #1

Electrical/Lighting	
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
● Automatic lighting controls	Yes in #1
● Multi-level switched	Yes in #1
● Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
●	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
● Negative	Yes
Special zoning: isolate air from neighbors	Yes
Space has own exhaust mode	Yes in #1
Other HVAC equipment or requirements:	
● CO_2 demand ventilation control	Yes
●	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes in #1
Speaker - wall mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
● Pay phone (1-port)	Yes
●	

Plumbing	
Domestic water:	
● Cold	Yes in #1,3
Drinking fountain	Yes in #1
Bubbler	Yes in #1
Other plumbing equipment or requirements:	
● Hose bibb	Yes in #3
●	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
● 16" deep adjustable shelving			Yes									
Other furnishings/millwork/ equipment or requirements:												
● Bleachers	Yes											
● Center divider curtain	Yes											
● Wall padding	Yes											
● Basketball goals (main court)	Yes											
● Basketball goals (side court)	Yes											
● Scoreboard	Yes											
● Scorer's table	Yes											
● Volleyball sleeves and standards	Yes											
●												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
● CMU - painted	✓	✓	✓									
● CMU - ground face, integral color	✓											
● Other												
Base:												
● Resilient rubber	✓	✓	✓									
● Other												
Floors:												
● VCT		✓	✓									
● Wood	✓											
● Other												
Ceilings:												
● Minimum ceiling height (clear height)	25'											
● Exposed to structure - painted	✓	✓	✓									
● Other												
Windows:												
● Windows/daylight into space (only if diffused daylight)	✓											
Doors:												
● Wood	Yes	Yes	Yes									
● Hollow metal (exterior)	Yes											
● With glazed lites	Yes											
● Exterior door required	Yes											
● Other												

Structural Requirements	
Special suspended loading req.:	
• Basketball goals	Yes
Acoustical req. for structural system:	
• Consider acoustical sound block for walls (CMU)	Yes
• Consider acoustic roof deck	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Occupancy limit	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Physical education classes and interscholastic and intramural athletic competition.
2. Student assemblies and performances
3. Community use

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency lighting for egress path.

Plumbing:

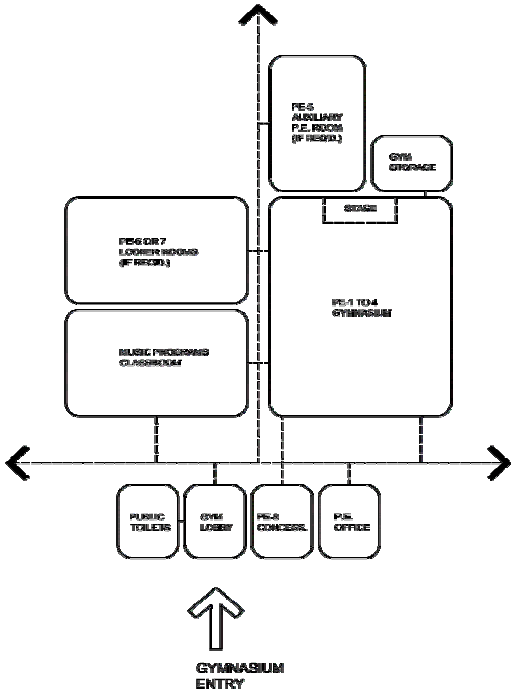
1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

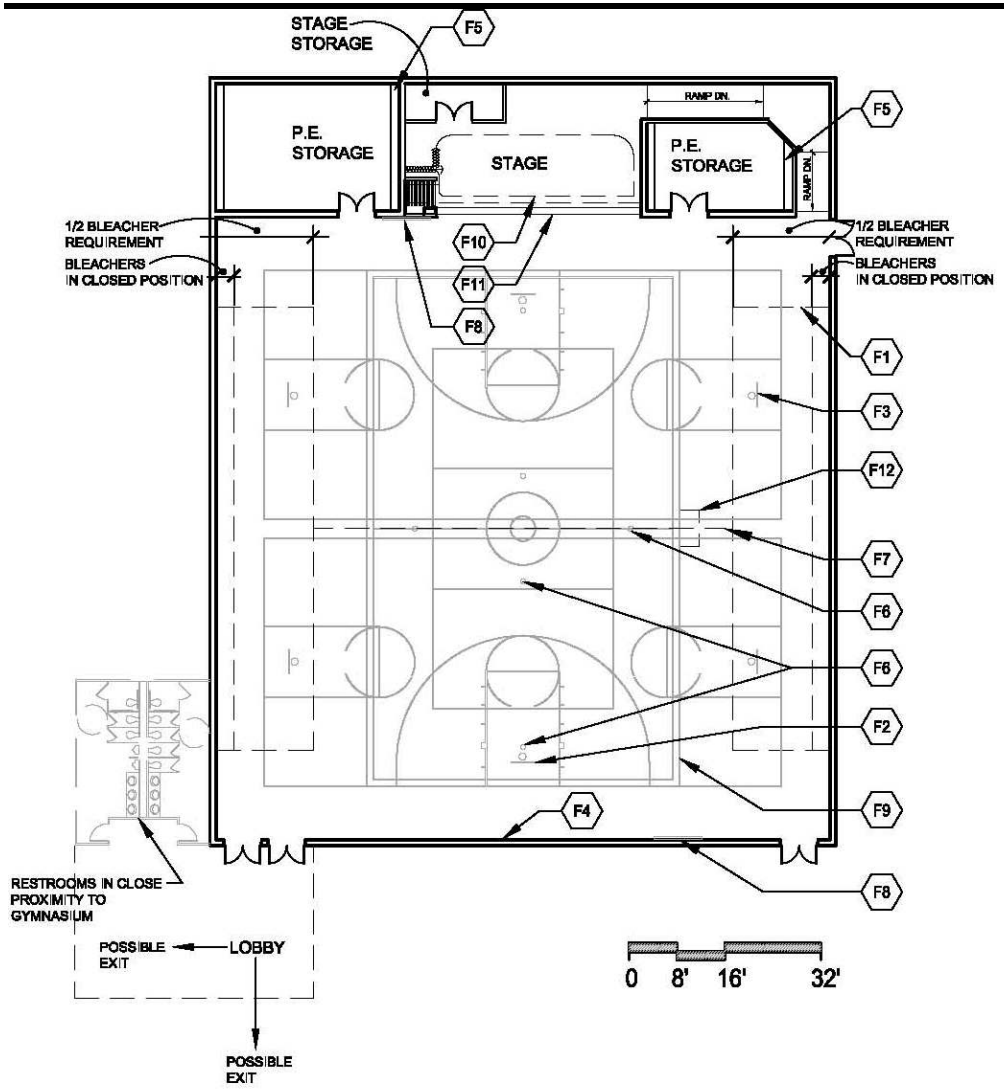
1. Direct access to outdoors and playfields
2. Adjacent to public parking
3. Adjacent to locker rooms

Spatial Relationship Diagram

High School Gymnasium – Fewer Than 201 Students



PE-4 High School Gymnasium – 201 to 749 Students



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Storage and staff areas may be relocated to conform to building design
2. Provide public restrooms in close proximity to gym.
3. Provide after-hours lobby entry to gym.
4. Locate locker rooms adjacent to gymnasium, location to be determined by each school.
5. Locate concessions in gym lobby.
6. Exterior door locations may be modified.

CAPACITY:	N/A	
SIZE:	7,280 s.f. (70’ x 104’) not including bleacher seating. See *BIE Space Criteria Handbook* for bleacher seating requirements.	
ANCILLARY SPACES:	Fixed Stage	700 s.f.
	PE Storage	1,000 s.f.

Key Notes:

F1 Bleachers
F2 Basketball goals (main court)
F3 Basketball goals (side courts)
F4 Wall padding
F5 16” deep adjustable shelving
F6 Volleyball stanchion floor anchors
F7 Center gym divider curtain
F8 Scoreboard
F9 Court markings
F10 Stage curtain
F11 Operable acoustical partition at stage
F12 Scorer’s table

BIA School Facilities	HS Gymnasium - 201-749
Space Description	For square footages, see space template
1. High school gymnasium	
2. Fixed stage	
3. PE storage	
4. Stage storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	Yes in #1

Electrical/Lighting	
Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Multi-level switched	Yes in #1
• Emergency lighting	Yes in #1
Other electrical/lighting equipment or requirements:	
• Theatrical lighting	Yes in #2
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Special zoning: isolate air from neighbors	Yes
Space has own exhaust mode	Yes in #1
Other HVAC equipment or requirements:	
• CO_2 demand ventilation control	Yes
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes
Sound reinforcement outlet	Yes in #1
Wireless access point outlet (2-port)	Reg. coverage
Mobile projection cart outlet	Yes in #1
Speaker - wall mounted	Yes in #1
Clock	Yes in #1
Other communications/IT equipment or requirements:	
• Pay phone (1-port)	Yes
•	

Plumbing	
Domestic water:	
• Cold	Yes in #1,3
Drinking fountain	Yes in #1
Bubbler	Yes in #1
Other plumbing equipment or requirements:	
• Hose bibb	Yes in #3
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• 16" deep adjustable shelving			Yes									
Other furnishings/millwork/ equipment or requirements:												
• Operable partition at stage		Yes										
• Bleachers	Yes											
• Center divider curtain	Yes											
• Wall padding	Yes											
• Basketball goals (main court)	Yes											
• Basketball goals (side court)	Yes											
• Scoreboard	Yes											
• Scorer's table	Yes											
• Volleyball sleeves and standards	Yes											
• Stage curtain		Yes										
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓								
• CMU - ground face, integral color	✓											
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓								
• Other												
Floors:												
• Wood	✓	✓	✓	✓								
• VCT			✓	✓								
• Other												
Ceilings:												
• Minimum ceiling height (clear height)	25'	25'										
• Exposed to structure - painted	✓	✓	✓	✓								
• Other												
Windows:												
• Windows/daylight into space (only if diffused daylight)	✓											
Doors:												
• Wood	Yes		Yes	Yes								
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes											
• Exterior door required	Yes											
• Other												

Structural Requirements	
Special suspended loading req.:	
• Basketball goals	Yes
Acoustical req. for structural system:	
• Consider acoustical sound block for walls (CMU)	Yes
• Consider acoustic roof deck	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Occupancy limit	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Physical education classes and interscholastic and intramural athletic competition.
2. Student assemblies and performances
3. Community use

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency lighting for egress path.

Plumbing:

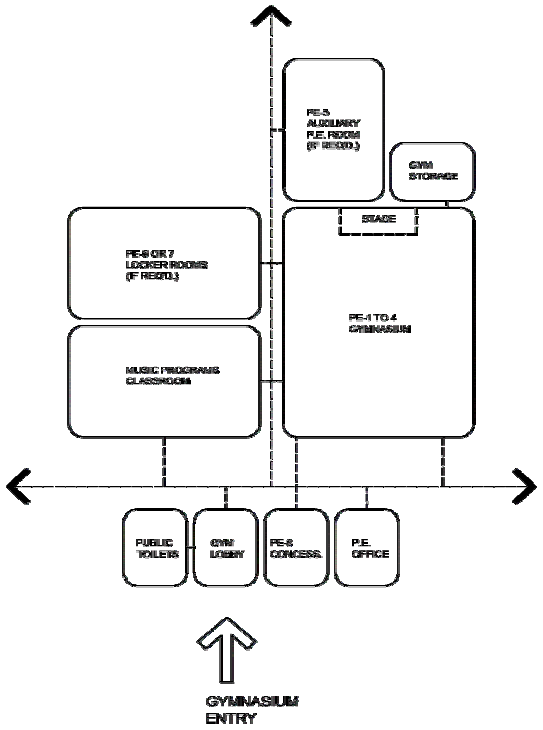
1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

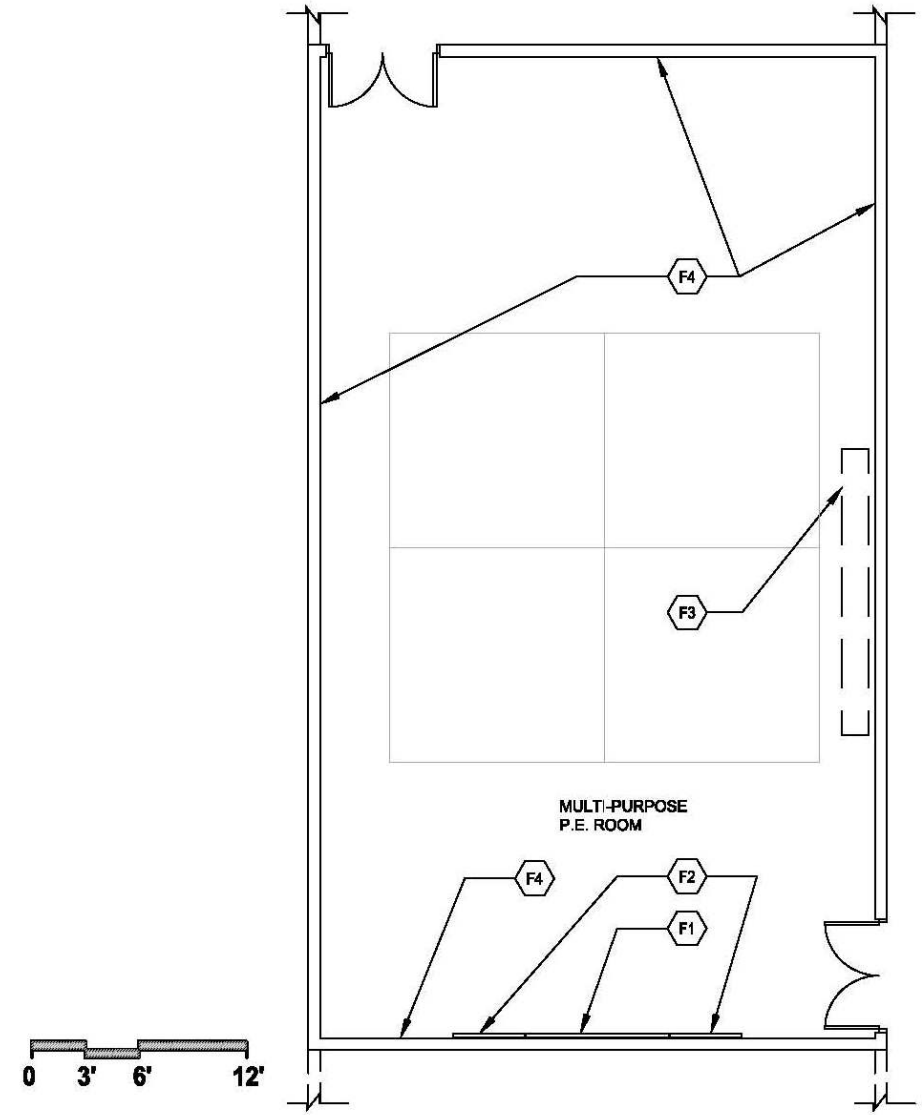
1. Direct access to outdoors and playfields
2. Adjacent to public parking
3. Adjacent to locker rooms

Spatial Relationship Diagram

High School Gymnasium – 201 to 749 Students



PE-5 Auxiliary Physical Education Room



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration of room may be modified.

CAPACITY: N/A
SIZE: 1,700 s.f.

Key Notes:

F1 Whiteboard
F2 Tackboard
F3 Mat hoist
F4 Wall padding

BIA School Facilities	Auxiliary Phys. Ed. Room
Space Description	For square footages, see space template
1. Auxillary physical education room	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	Yes

Electrical/Lighting	
Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Casework:													
• Other													
Other furnishings/millwork/ equipment or requirements:													
• Mat hoist		Yes											
• Wall padding		Yes											
•													

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Space has own exhaust mode	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Sound reinforcement outlet	Yes
Wireless access point outlet (2-port)	Req. coverage
Mobile projection cart outlet	Yes
Speaker - wall mounted	Yes
Clock	Yes
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Other												
Floors:												
• VCT	✓											
• Wood	✓											
• Fluid applied flooring system	✓											
• Other												
Ceilings:												
• Minimum ceiling height (clear height)	20'											
• Exposed to structure - painted	✓											
• Other												
Windows:												
• Windows/daylight into space (only if diffused daylight)	✓											
Doors:												
• Wood	Yes											
• With glazed lites	Yes											
• Other												

Structural Requirements	
Special suspended loading req.:	
• Basketball goals	Yes
Acoustical req. for structural system:	
• Consider acoustical sound block for walls (CMU)	Yes
• Consider acoustic roof deck	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Occupancy limit	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Wrestling in physical education classes
2. Dance
3. Aerobics
4. Gymnastics

Notes

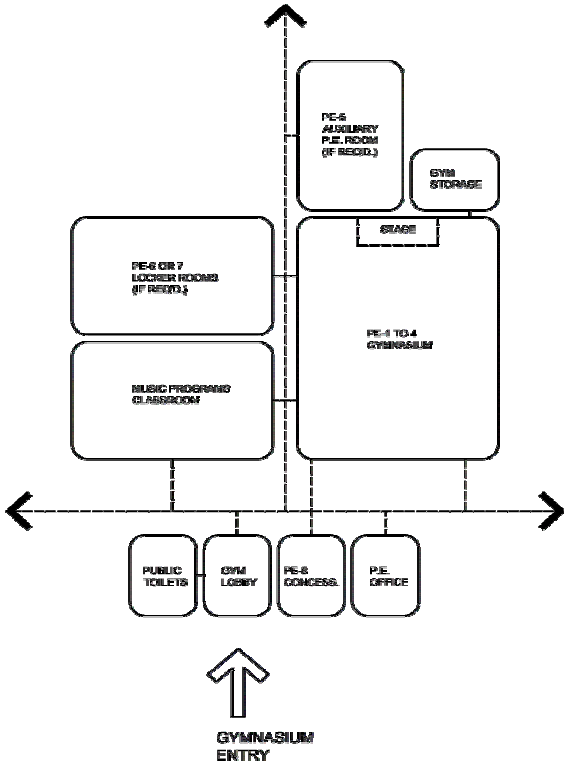
Electrical:
1. Provide automatic shut-off via building management system time clock.
2. Provide multi-level light switching.
3. Provide emergency light near door(s).

Key Space Design and Relationship Concepts

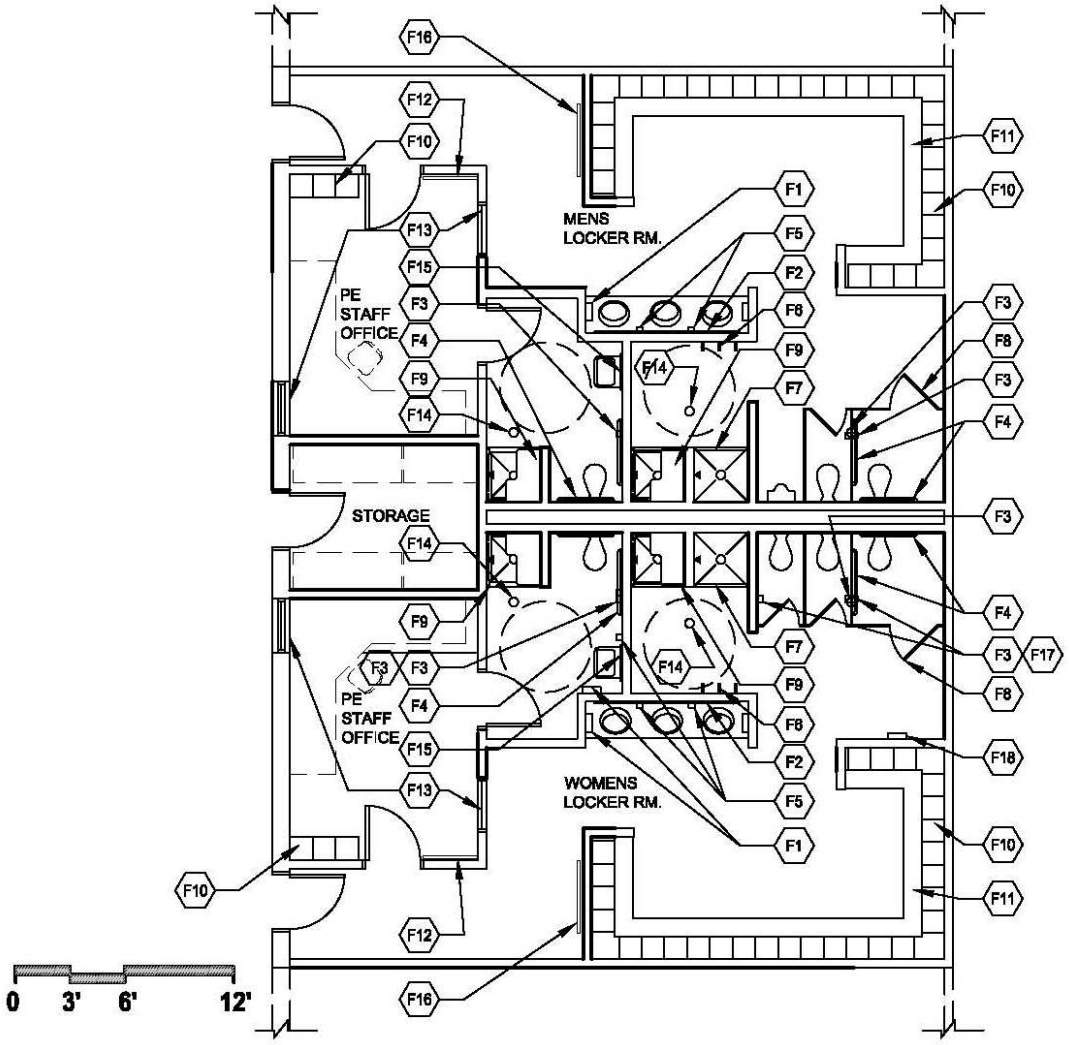
1. Near gymnasium
2. Near locker rooms

Spatial Relationship Diagram

Auxiliary Physical Education Room



PE-6 Locker Rooms



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Plumbing fixture requirements may change per code.
2. Bench portion to be eliminated as necessary to provide parallel wheelchair approach to accessible lockers.

CAPACITY:	Enrollment of fewer than 400 students	
SIZE:	Male Locker Room	500 s.f.
	Female Locker Room	500 s.f.
	PE Staff Offices (2)	120 s.f. each
	PE Staff Toilets (2)	100 s.f. each
	Storage	Part of gym stor.

See the *BIE Educational Space Criteria Handbook* for space requirements concerning restrooms and shower/dressing areas in locker rooms.

See the *BIE Educational Space Criteria Handbook* for locker requirements.

Key Notes:

F1 Paper towel dispenser
F2 Mirror – 96” x 36”
F3 Toilet paper dispenser
F4 Grab bars
F5 Soap dispenser
F6 Towel hooks
F7 Shower unit
F8 Toilet partitions
F9 Handicapped shower
F10 PE lockers – 2 tier
F11 Benches
F12 Whiteboard
F13 Interior window
F14 Floor drain
F15 Mirror – 24” x 36”
F16 Tackboard
F17 Sanitary napkin receptacle
F18 Sanitary napkin dispenser

BIA School Facilities	Locker Rooms
Space Description	For square footages, see space template
1. Locker area (male and female)	
2. Shower/dressing area (male and female)	
3. Restrooms (male and female)	
4. PE staff offices	
5. PE staff restrooms and showers (male and female)	
6. Storage (part of gym program)	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4
CATV outlet (coax + Cat 6)	Yes in #4
Clock	Yes in#1
Other communications/IT equipment or requirements:	
•	

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #1-3,5,6
Space has own exhaust mode	Yes in #1-3, 5,6
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #2,5
• Cold	Yes in #2,3,5
Floor drain	Yes in #2,5
Drinking fountain	Yes in #1
Other plumbing equipment or requirements:	
• Standard shower unit	Yes in #2
• Handicapped shower w/controls	Yes in #2,5
• Hose bibb	Yes in #5
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (3'-0")	Qty				1								
Tackboard (4'-0")	Qty	1											
Casework:													
• Solid plastic countertops			Yes										
• Other													
Other furnishings/millwork/ equipment or requirements:													
• PE lockers - 2 tier		Yes			Yes								
• Benches		Yes											
• Toilet partitions				Yes									
• Paper towel dispenser			Yes			Yes							
• Mirror - 96" x 36"			Yes										
• Toilet paper dispenser				Yes		Yes							
• Grab bars - 36" and 42"				Yes		Yes							
• Soap dispenser			Yes			Yes							
• Towel hooks			Yes			Yes							
• Mirror - 24" x 36"						Yes							
• Sanitary napkin receptacle				Yes									
• Sanitary napkin dispenser				Yes									
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓						
• Ceramic tile		✓	✓		✓							
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓						
• Ceramic tile	✓	✓	✓	✓	✓	✓						
• Quarry tile	✓	✓	✓	✓	✓	✓						
• Fluid applied flooring system	✓	✓	✓	✓	✓	✓						
• Other												
Floors:												
• Ceramic tile	✓	✓	✓	✓	✓	✓						
• Quarry tile	✓	✓	✓	✓	✓	✓						
• Sealed concrete	✓	✓	✓	✓	✓	✓						
• Fluid applied flooring system	✓	✓	✓	✓	✓	✓						
• Other												
Ceilings:												
• Minimum ceiling height	9'	9'	9'	9'	9'	9'						
• Gypsum board - painted	✓	✓	✓	✓	✓	✓						
• Exposed to structure	✓					✓						
• Other												
Windows:												
• Interior borrowed light window				Yes								
Doors:												
• Wood	Yes			Yes	Yes	Yes						
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes
• Protection	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Changing area for physical education
2. Changing area for athletic team practice and games
3. Storage for clothing and personal items while students attend physical education classes

Notes

Electrical:

1. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Fire Protection:

1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Plumbing:

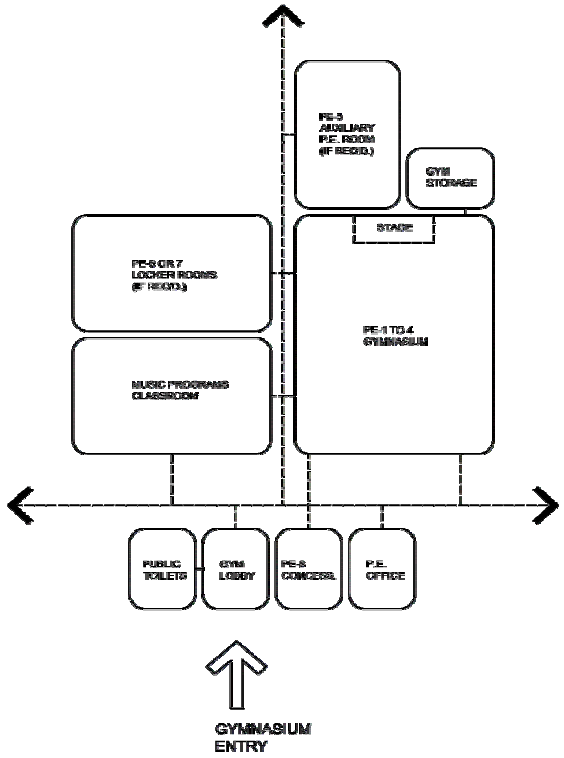
1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

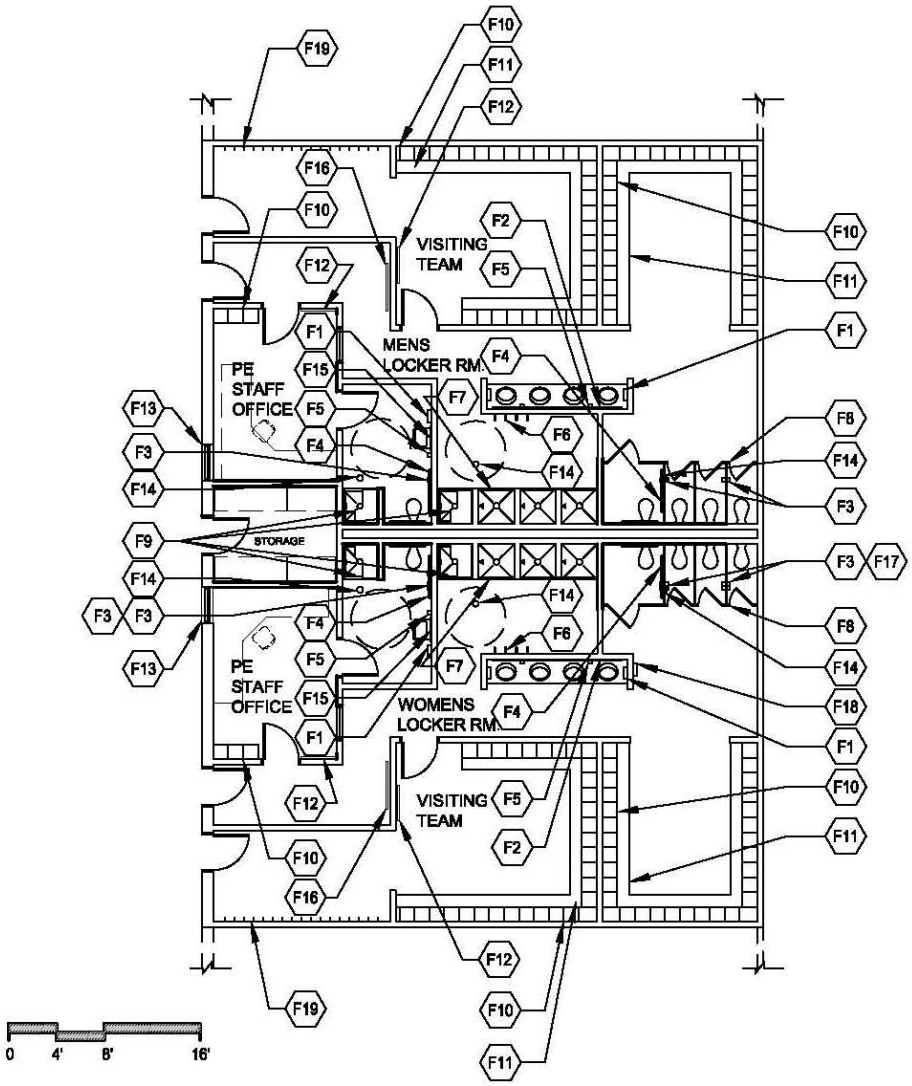
1. Adjacent to gymnasium
2. Adjacent to outdoor play and practice fields

Spatial Relationship Diagram

Locker Rooms



PE-7 Locker Rooms and Visitors Lockers



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Plumbing fixture requirements may change per code.
2. Bench portion to be eliminated as necessary to provide parallel wheelchair approach to accessible lockers.

CAPACITY:	Enrollment of fewer than 400 students	
SIZE:	Male Locker Room	500 s.f.
	Female Locker Room	500 s.f.
	Male Visitor Locker Area.	100 s.f
	Female Visitor Locker Area	100 s.f.
	PE Staff Offices (2)	120 s.f. each
	PE Staff Toilets (2)	100 s.f. each
	Storage	(part of gym)

See the *BIE Educational Space Criteria Handbook* for space requirements concerning restrooms and shower/dressing areas in the locker rooms.

See the *BIE Educational Space Criteria Handbook* for locker requirements.

Key Notes:

F1 Paper towel dispenser
F2 Mirror – 96” x 36”
F3 Toilet paper dispenser
F4 Grab bars
F5 Soap dispenser
F6 Towel hooks
F7 Shower unit
F8 Toilet partitions
F9 Handicapped shower
F10 PE lockers – 2 tier
F11 Benches
F12 Whiteboard
F13 Interior window
F14 Floor drain
F15 Mirror – 24” x 36”
F16 Tackboard
F17 Sanitary napkin receptacle
F18 Sanitary napkin dispenser
F19 Coat hooks

BIA School Facilities **Locker Rooms and Visitors**

Space Description For square footages, see space template

1. Locker area (male and female)
2. Shower/dressing area (male and female)
3. Restrooms (male and female)
4. PE staff offices
5. PE staff restrooms and showers (male and female)
6. Visitor locker area (male and female)
7. Storage (part of gym program)

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes in #1-3,5-7
Space has own exhaust mode	Yes in #1-3, 5,6
Other HVAC equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #4
CATV outlet (coax + Cat 6)	Yes in #4
Clock	Yes in#1
Other communications/IT equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #2,5
• Cold	Yes in #2,3,5
Floor drain	Yes in #2,5
Drinking fountain	Yes in #1
Bubbler	Yes in #1
Other plumbing equipment or requirements:	
• Standard shower unit	Yes in #2
• Handicapped shower w/controls	Yes in #2,5
• Hose bibb	Yes in #5
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (4'-0")	Qty	1											
Tackboard (4'-0")	Qty	1											
Casework:													
• Solid plastic countertops			Yes										
• Other													
Other furnishings/millwork/ equipment or requirements:													
• PE lockers - 2 tier		Yes			Yes		Yes						
• Benches		Yes					Yes						
• Toilet partitions				Yes									
• Paper towel dispenser			Yes			Yes							
• Mirror			Yes										
• Toilet paper dispenser				Yes		Yes							
• Grab bars - 36" and 42"				Yes		Yes							
• Soap dispenser			Yes			Yes							
• Towel hooks			Yes			Yes							
• Mirror - 24" x 36"						Yes							
• Sanitary napkin receptacle				Yes									
• Sanitary napkin dispenser				Yes									
• Coat hooks		Yes											
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓	✓	✓	✓	✓	✓					
• Ceramic tile		✓	✓		✓							
• Other												
Base:												
• Resilient rubber	✓	✓	✓	✓	✓	✓	✓					
• Ceramic tile	✓	✓	✓	✓	✓	✓	✓					
• Quarry tile	✓	✓	✓	✓	✓	✓	✓					
• Fluid applied flooring system	✓	✓	✓	✓	✓	✓	✓					
• Other												
Floors:												
• Ceramic tile	✓	✓	✓	✓	✓	✓	✓					
• Quarry tile	✓	✓	✓	✓	✓	✓	✓					
• Sealed concrete	✓	✓	✓	✓	✓	✓	✓					
• Fluid applied flooring system	✓	✓	✓	✓	✓	✓	✓					
• Other												
Ceilings:												
• Minimum ceiling height	9'	9'	9'	9'	9'	9'	9'					
• Gypsum board - painted	✓	✓	✓	✓	✓	✓	✓					
• Exposed to structure	✓					✓	✓					
• Other												
Windows:												
• Interior borrowed light window				Yes								
Doors:												
• Wood	Yes			Yes	Yes	Yes	Yes					
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes
• Protection	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Changing area for physical education
2. Changing area for athletic team practice and games
3. Storage for clothing and personal items while students attend physical education classes

Notes

Electrical:

1. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Fire Protection:

1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Plumbing:

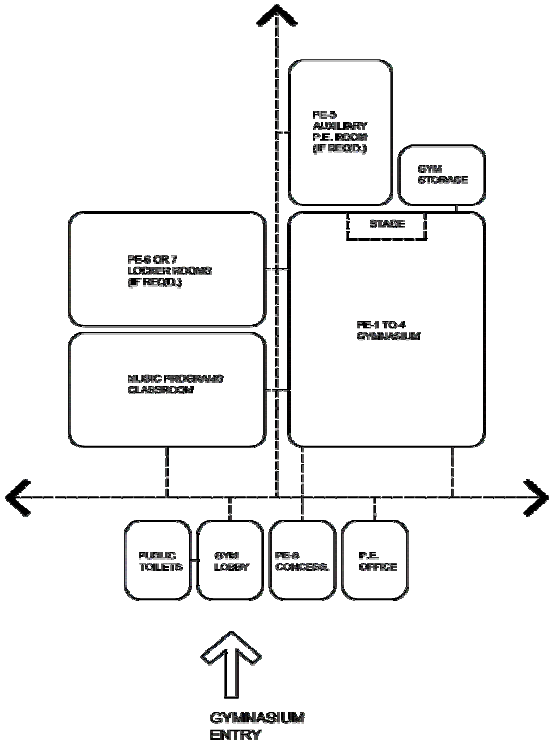
1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

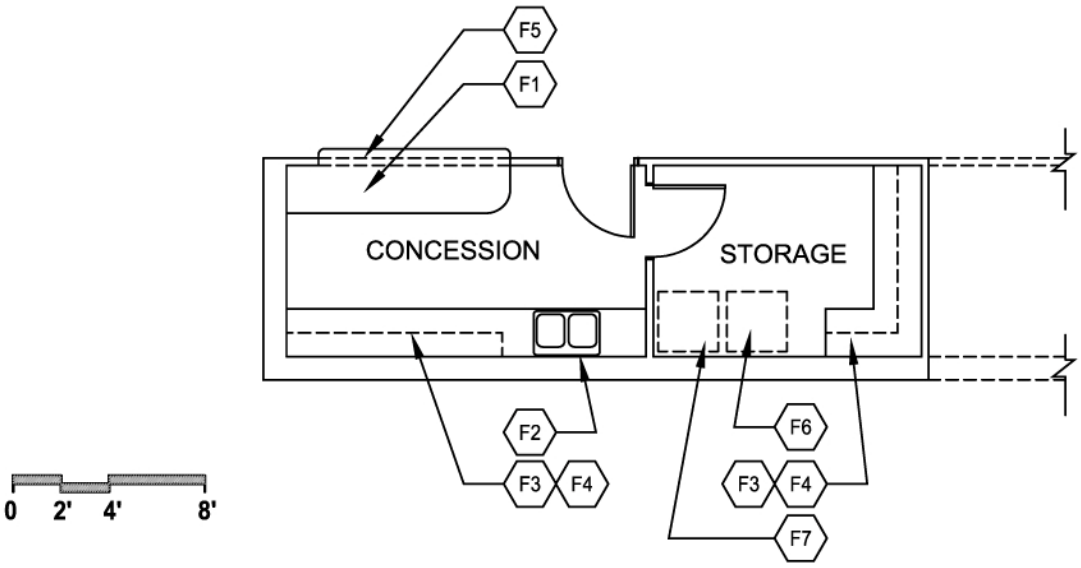
1. Adjacent to gymnasium
2. Adjacent to outdoor play and practice fields

Spatial Relationship Diagram

Locker Rooms and Visitors Lockers



PE-8 Concessions Area



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration of room may be modified.
2. Locate concessions area adjacent to entry to gymnasium.

CAPACITY: N/A
SIZE: Concessions Area 120 s.f.

Key Notes:

F1 Plastic laminate countertop
F2 Sink: specialty type: SS large, deep, dual
F3 Plastic laminate base cabinets
F4 Plastic laminate upper cabinets
F5 Overhead coiling grille
F6 Refrigerator
F7 Freezer

BIA School Facilities	Concessions Area
Space Description	For square footages, see space template
1. Concessions area	
2. Concessions storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Plastic laminate base cabinets	Yes	Yes										
• Plastic laminate countertops	Yes											
• Plastic laminate upper cabinets	Yes	Yes										
• Locks	Yes	Yes										
• Other												
Other furnishings/millwork/ equipment or requirements:												
• Refrigerator		Yes										
• Freezer		Yes										

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Space has own exhaust mode	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes in #1
• Cold	Yes in #1
Sink(s): specialty type: SS large, deep, dual	Yes in #1
Garbage disposal	Yes in #1
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓	✓										
• Standard gypsum board - painted vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• Ceramic tile	✓	✓										
• Quarry tile	✓	✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Sealed concrete	✓	✓										
• Fluid applied flooring system	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'	9'										
• Exposed to structure - painted	✓	✓										
• Gypsum board - painted	✓	✓										
• Lay-in acoustical - vinyl coated (for food service)	✓	✓										
• Other												
Doors:												
• Wood	Yes	Yes										
• Overhead coiling grille	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes
• Protection	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Sale of food and drink items during athletic events and performances.
2. No cooking of food will occur in concessions area.

Notes

Electrical:

1. Provide wall switch type occupancy sensor.
2. Provide a minimum of three dedicated above-counter receptacles.

Fire Protection:

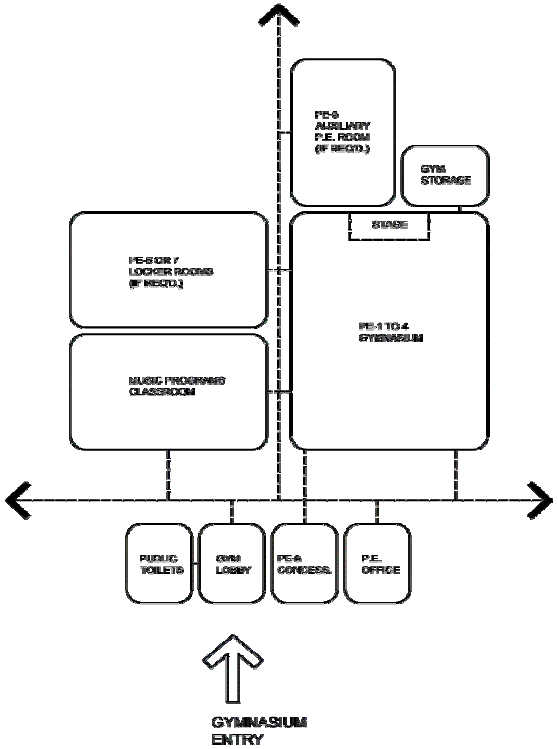
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

Key Space Design and Relationship Concepts

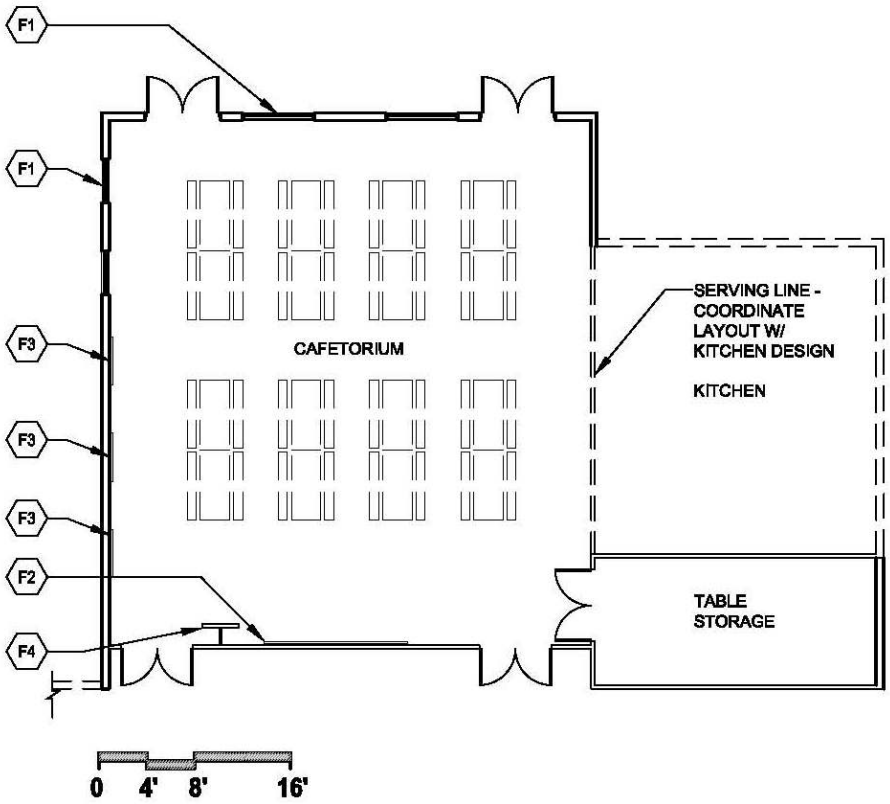
1. Located in lobby adjacent to gymnasium
2. Near public restrooms

Spatial Relationship Diagram

Concessions Area



DR-1 Dining Room – 100 Students or Fewer



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Design of exterior wall may change as long as functional relationships are maintained.
2. Loose furnishings shown represent one of many possible arrangements.
3. Exterior window locations may be modified.
4. Coordinate serving line requirements with kitchen design.
5. Kitchen location and table storage location may be modified.
6. See the *BIE Educational Space Criteria Handbook* for kitchen area requirements based on number of meals served per day.

CAPACITY:	100 students or fewer	
SIZE:	Dining Area	750 s.f.
	(Minimum area; see *BIE Educational Space Criteria Handbook* for requirements)	
ANCILLARY SPACE:	Table Storage	250 s.f.

Key Notes:

F1 Windows/daylight into space required
F2 Whiteboard
F3 Tackboard
F4 TV with wall mounting bracket

BIA School Facilities	Dining Room <101
Space Description	For square footages, see space template
1. Cafetorium	
2. Table and chair storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes in #1
Musical performance/singing/ cheering expected	Yes in #1

Electrical/Lighting	
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	3											
TV with wall mounting bracket	Qty	1											
Casework:													
• Other													
Other furnishings/millwork/ equipment or requirements:													
•													

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	For kitchen doors
Space has own exhaust mode	Yes in #1
Other HVAC equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (1-port) - wall mounted	Yes in #1
Wireless access point outlet (2-port)	Reg. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Cold	Yes in #1
Floor drain	Yes in #1
Drinking fountain	Yes in #1
Bubbler	Yes in #1
Other plumbing equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓											
• Impact-resistant gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	12'	10'										
• Exposed to structure - painted	✓	✓										
• Gypsum board - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes											
• Exterior door required	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Occupancy limit	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1.Student dining and assembly type programs.
2. Does not include space for serving line.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency lighting for egress path.
5. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

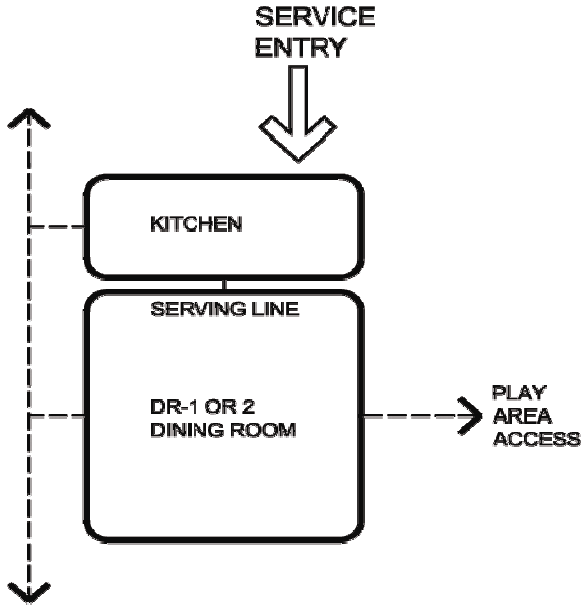
Plumbing:
1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

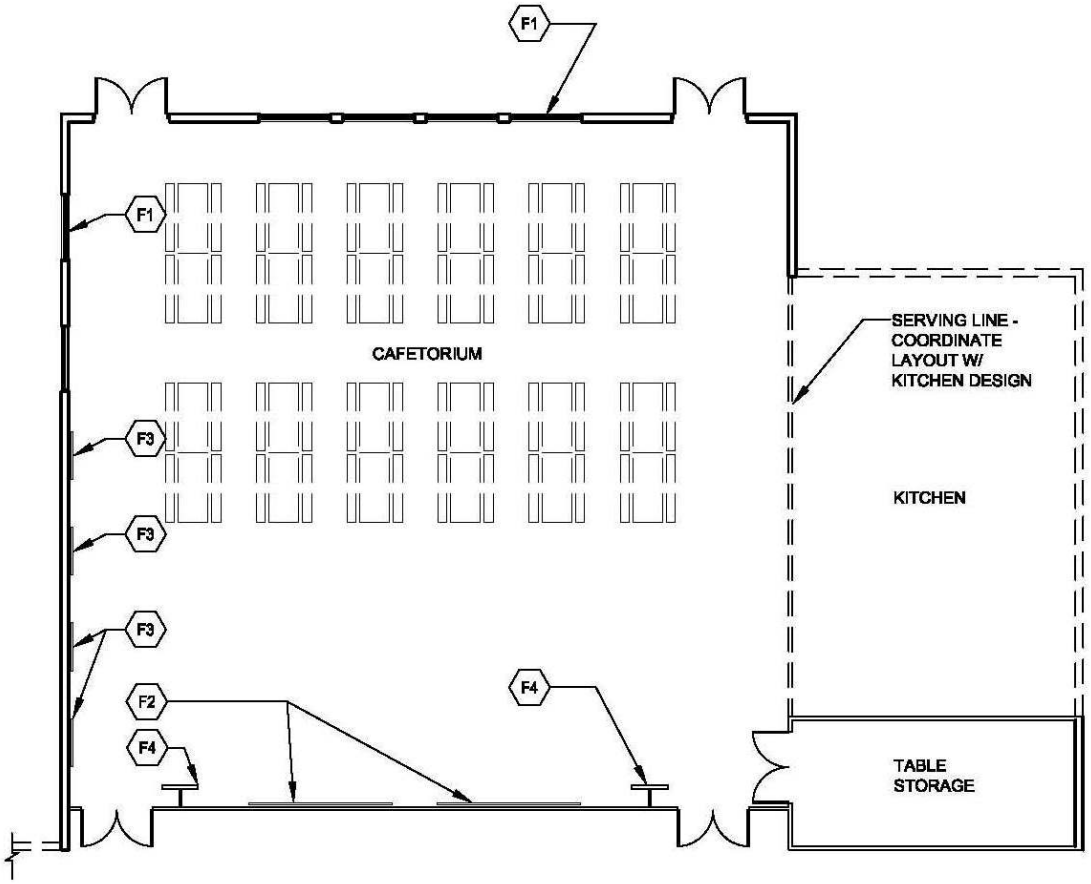
1. Adjacent to kitchen and serving line
2. Close adjacency to dormitory building if one is included in school development

Spatial Relationship Diagram

Dining Room – 100 Students or Fewer



DR-2 Dining Room – More Than 100 Students



0 4' 8' 16'

1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Design of exterior wall may change as long as functional relationships are maintained.
2. Loose furnishings shown represent one of many possible arrangements.
3. Exterior window locations may be modified.
4. Coordinate serving line requirements with kitchen design.
5. Kitchen location and table storage location may be modified.
6. See the *BIE Educational Space Criteria Handbook* for kitchen area requirements based on number of meals served per day.

CAPACITY:	More than 100 students	
SIZE:	Dining Area - See *BIE Educational Space Criteria Handbook* for requirements based on student enrollment.	
ANCILLARY SPACE:	Table Storage	250 s.f.

Key Notes:

F1 Windows/daylight into space required
F2 Whiteboard
F3 Tackboard
F4 TV with wall mounting bracket

BIA School Facilities	Dining Room >100
Space Description	For square footages, see space template
1. Cafetorium	
2. Table and chair storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Space has own exhaust mode	Yes in #1
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Cold	Yes in #1
Floor drain	Yes in #1
Drinking fountain	Yes in #1
Bubbler	Yes in #1
Other plumbing equipment or requirements:	
•	

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes in #1
Musical performance/singing/ cheering expected	Yes in #1

Electrical/Lighting	
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes in #1
• Direct/indirect lighting	Yes in #1
• Multi-level switched	Yes in #1
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (1-port) - wall mounted	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	2											
Tackboard (4'-0")	Qty	4											
TV with wall mounting bracket	Qty	2											
Casework:													
• Other													
Other furnishings/millwork/ equipment or requirements:													
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓											
• Impact-resistant gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Other												
Floors:												
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Other												
Ceilings:												
• Minimum ceiling height	12'	10'										
• Exposed to structure - painted	✓	✓										
• Gypsum board - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes	Yes										
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes											
• Exterior door required	Yes											
• Other												

Structural Requirements	
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Occupancy limit	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1.Student dining and assembly type programs.
2. Does not include space for serving line.

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
4. Provide emergency lighting for egress path.
5. Provide a receptacle mounted at +7'-0" for television.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

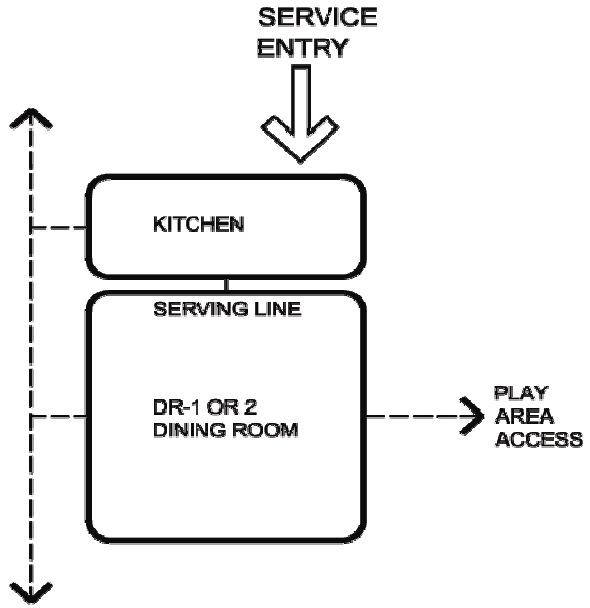
Plumbing:
1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

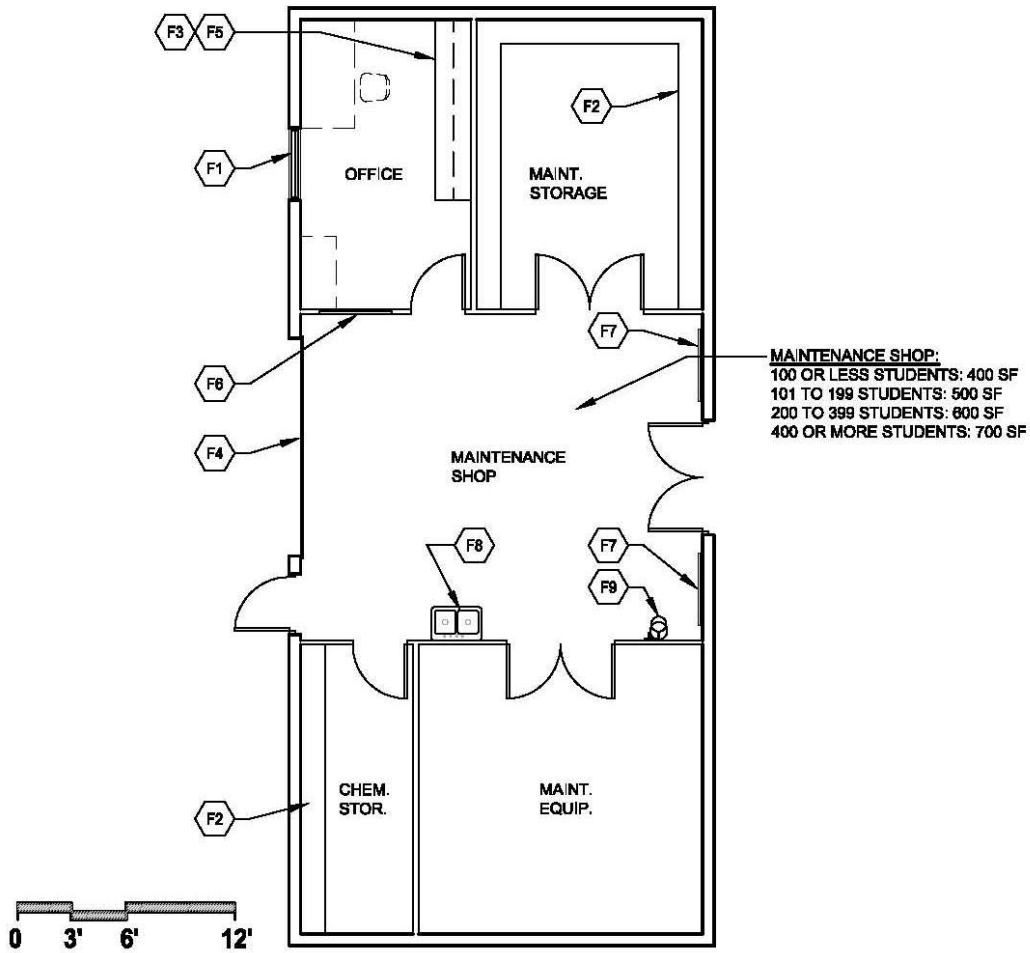
1. Adjacent to kitchen and serving line
2. Close adjacency to dormitory building if one is included in school development

Spatial Relationship Diagram

Dining Room – More Than 100 Students



SS-1 Facilities Maintenance Shop



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Shelving layout may be modified.
2. Window and door locations may be modified.

CAPACITY: N/A

SIZE: Facilities Maintenance Shop – Based on enrollment population; see *BIE Educational. Space Criteria Handbook* for requirements.

Office	150 s.f.
Maintenance Equipment	250 s.f.
Material Storage – See *BIE Educational Space Criteria Handbook* for requirements.	
Chemical Storage	100 s.f.

Key Notes:

F1 Windows/daylight into space required
F2 16” adjustable shelving
F3 Plastic laminate base cabinets and countertop
F4 Overhead garage door
F5 Plastic laminate upper cabinets
F6 Interior window
F7 Tackboard
F8 Sink(s): specialty type: SS large, deep, dual
F9 Emergency eyewash and shower

BIA School Facilities **Facilities Maintenance Shop**

Space Description For square footages, see space template

1. Facilities maintenance shop
2. Facilities maintenance office
3. Facilities maintenance equipment
4. Facilities maintenance materials storage
5. Chemical storage

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Power outlet minimum number	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
● Automatic lighting controls	Yes
● Multi-level switched	Yes in #1
● Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
●	

Fixed Furnishings/Equipment

		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Tackboard (4' x 4')	Qty	2											
Casework:													
● Plastic laminate base cabinets			Yes										
● Plastic laminate countertops			Yes										
● Plastic laminate upper cabinets			Yes										
● 16" deep adjustable shelving					Yes	Yes							
Other furnishings/millwork/ equipment or requirements:													
●													

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Air pressure (balanced is assumed):	
● Negative	Yes in #5
Exhaust	Yes
Dust collection (dependent on chemicals)	Yes
Storage cabinet ventilation required (dependent on chemicals)	Yes
Other HVAC equipment or requirements:	
●	

Communications/IT Requirements

Communication outlet (2-port) -standard	Yes in #2
Other communications/IT equipment or requirements:	
●	

Plumbing

Domestic water:	
● Hot	Yes in #1
● Cold	Yes in #1
Floor drain	Yes in #1
Sink(s): specialty type: SS large, deep, dual	Yes in #1
Emergency shower (dependent on chemicals stored)	Yes in #1
Eyewash station (dependent on chemicals stored)	Yes in #1
Other plumbing equipment or requirements:	
●	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Interior Finishes

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
● CMU - painted	✓	✓	✓	✓	✓							
● Other												
Base:												
● Resilient rubber	✓	✓	✓	✓	✓							
● Sheet vinyl	✓	✓	✓	✓	✓							
● Fluid applied flooring system	✓	✓	✓	✓	✓							
● Other												
Floors:												
● VCT		✓										
● Sheet vinyl		✓										
● Sealed concrete	✓	✓	✓	✓	✓							
● Fluid applied flooring system		✓										
● Other												
Ceilings:												
● Minimum ceiling height	12'	10'	10'	10'	10'							
● Exposed to structure - unpainted	✓	✓	✓	✓	✓							
● Exposed to structure - painted	✓	✓	✓	✓	✓							
● Gypsum board - painted	✓	✓	✓	✓	✓							
● Other												
Windows:												
● Windows/daylight into space required		Yes										
● Operable window required		Yes										
● Interior borrowed light window		Yes										
Doors:												
● Hollow metal	Yes	Yes	Yes	Yes	Yes							
● With glazed lites	Yes	Yes	Yes	Yes	Yes							
● Exterior door required	Yes											
● Overhead garage door (insulated)	Yes											
● Other												

Structural Requirements	
Special floor loading requirements:	
• Potential vehicle storage	Yes in #1
Special suspended loading requirements:	
• Possible hung equipment	Yes in #1
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Facilities manager office and storage
2. Space for assembly or repair of school equipment
3. Storage of maintenance equipment and materials

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide automatic shut-off via building management system time clock.
3. Provide multi-level light switching.
5. Provide emergency light near door(s).
7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
8. Provide a minimum of four dedicated receptacles in this room.

Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads with protection in storage areas.

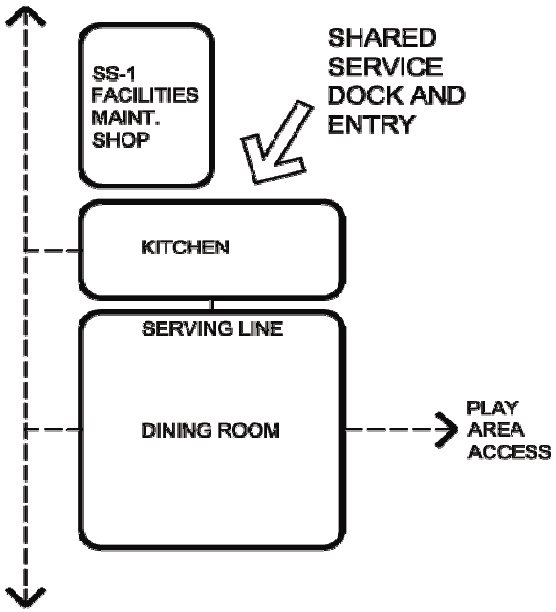
HVAC
1. A dedicated exhaust system may be required.

Key Space Design and Relationship Concepts

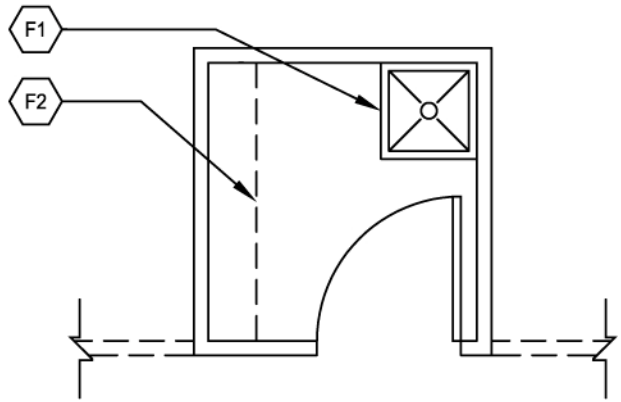
1. Adjacent to kitchen service and loading area
2. Separate from academic and public areas of school
3. Preferably adjacent to mechanical and electrical rooms, but not required

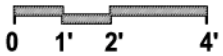
Spatial Relationship Diagram

Facilities Maintenance Shop



SS-2 Custodial Closets





1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration of room may be modified.

CAPACITY: N/A
SIZE: Custodial Closets – See *BIE Educational Space Criteria Handbook* for requirements.

Key Notes:

F1 Custodial mop sink
F2 16” deep adjustable shelving

BIA School Facilities	Custodial Closets
Space Description	For square footages, see space template
1. Custodial closet	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Communications/IT Requirements	
Other communications/IT equipment or requirements:	
•	

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes
• Cold	Yes
Floor drain	Yes
Sink(s): custodial mop sink	Yes
Other plumbing equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• 16" deep adjustable shelving	Yes											
• Other												
Other furnishings/millwork/ equipment or requirements:												
• Mop holder w/shelf	Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Impact-resistant gypsum board - painted or vinyl covered	✓											
• Ceramic tile	✓											
• FRP	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Ceramic tile	✓											
• Quarry tile	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Fluid applied flooring system	✓											
• Other												
Floors:												
• Ceramic tile	✓											
• Quarry tile	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Sealed concrete	✓											
• Fluid applied flooring system	✓											
• Other												
Ceilings:												
• Minimum ceiling height	10'											
• Exposed to structure - unpainted	✓											
• Exposed to structure - painted	✓											
• Gypsum board - painted	✓											
• Other												
Doors:												
• Wood	✓											
• Hollow metal	✓											
• Other												

Structural Requirements	
Other structural requirements:	
•	

Notes
Electrical:
1. Provide wall switch type occupancy sensor.
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings.

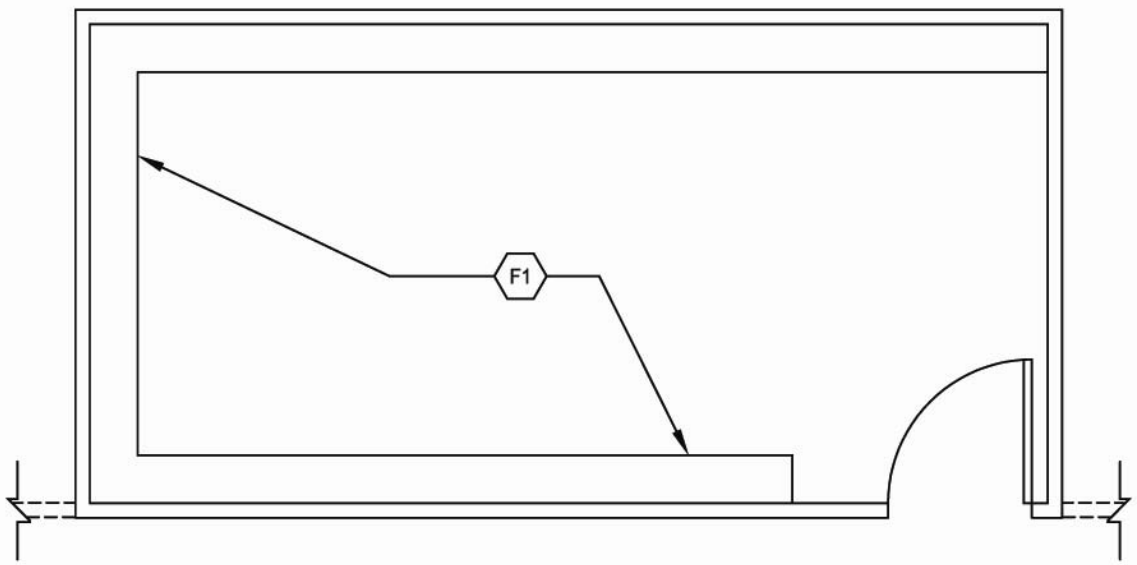
Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

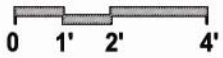
Key Space Design and Relationship Concepts
1. Near large group restrooms
2. Near student dining
3. Near physical education

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities
1. Space for storage of custodial supplies throughout the building

SS-3 General Storage





1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration of room may be modified.
2. Shelving and storage requirements may be modified.

CAPACITY: N/A
SIZE: General Storage – See *BIE Educational Space Criteria Handbook* for requirements.

Key Notes:

F1 16” deep adjustable shelving

BIA School Facilities	General Storage
Space Description	For square footages, see space template
1. General storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	No

Communications/IT Requirements	
Other communications/IT equipment or requirements:	
•	

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• 16" deep shelving	Yes											
• Other												
Other furnishings/millwork/ equipment or requirements:												
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Impact-resistant gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Sheet vinyl	✓											
• Fluid applied flooring system	✓											
• Other												
Floors:												
• Carpet	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Sealed concrete	✓											
• Fluid applied flooring system	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'0"											
• Exposed to structure - unpainted	✓											
• Exposed to structure - painted	✓											
• Gypsum board - painted	✓											
• Lay-in acoustical	✓											
• Other												
Doors:												
• Wood	✓											
• Hollow metal	✓											
• Other												

Structural Requirements	
Other structural requirements:	
•	

Notes

Electrical:
1. Provide wall switch type occupancy sensor.
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings.

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Key Space Design and Relationship Concepts

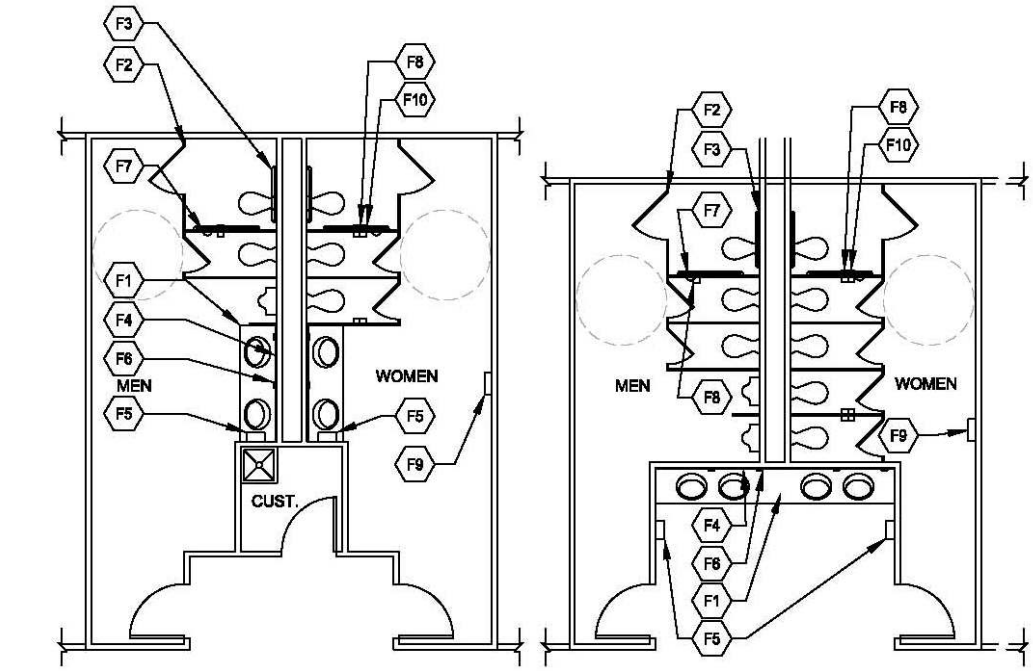
1. Near academic areas

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Space for book and furniture storage for the school

SS-4 Typical Large Group Restroom



OPTION #1 INTERNAL LAVATORIES

OPTION #2 EXTERNAL LAVATORIES

0 3' 6' 12'

1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Required number of plumbing fixtures and type and size of accessible toilet compartments to be per code.

CAPACITY: N/A
SIZE: Public Restrooms – As required to meet plumbing fixture and code requirements.

Key Notes:

F1 Solid plastic countertops
F2 Toilet partitions
F3 Grab bars
F4 Mirror
F5 Paper towel dispenser
F6 Soap dispenser
F7 Floor drain
F8 Toilet paper dispenser
F9 Sanitary napkin dispenser
F10 Sanitary napkin receptacle

SS-4 Typical Large Group Restroom Space Criteria

BIA School Facilities	Large Group Restroom
Space Description	For square footages, see space template
1. Typical large group restroom	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Lighting requirements:	
• Automatic lighting controls	Yes
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes
• Cold	Yes
Floor drain	Yes
Drinking fountain	Yes
Bubbler	Yes
Other plumbing equipment or requirements:	
• Hose bibb (large restroom groups)	Yes
•	

Communications/IT Requirements	
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Solid plastic countertops	Yes											
• Other												
Other furnishings/millwork/ equipment or requirements:												
• Toilet partitions	Yes											
• Grab bars	Yes											
• Mirror	Yes											
• Paper towel dispenser	Yes											
• Soap dispenser	Yes											
• Toilet paper dispenser	Yes											
• Sanitary napkin receptacle	Yes											
• Sanitary napkin dispenser	Yes											
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Impact-resistant gypsum board - painted or vinyl covered	✓											
• Ceramic tile	✓											
• Other												
Base:												
• Ceramic tile	✓											
• Quarry tile	✓											
• Fluid applied flooring system	✓											
• Other												
Floors:												
• Ceramic tile	✓											
• Quarry tile	✓											
• Fluid applied flooring system	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'											
• Gypsum board - painted	✓											
• Other												
Doors:												
• Wood	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Personal and health needs for students

Notes

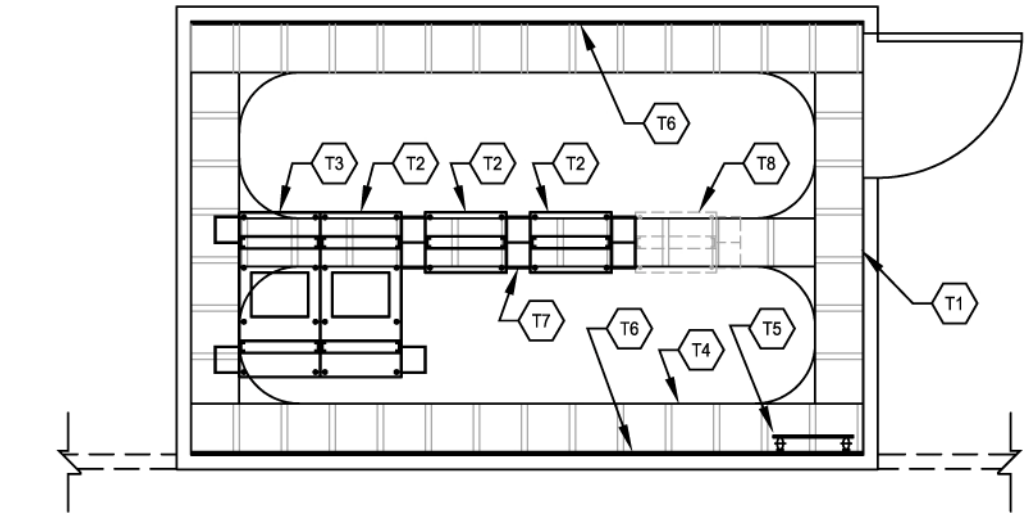
Electrical:
1. Provide wall switch type occupancy sensor.
2. Provide emergency light near door(s).

Plumbing:
1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

1. Near student dining area
2. Near public use areas such as media center and gymnasium
3. Near academic core areas
4. Located in several areas throughout building

SS-5 Communications Entrance Facility (EF)



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration of room may be modified as long as functional arrangement isn't changed.

CAPACITY: N/A
SIZE: 112 s.f.

Key Notes:

T1 Communication outlet (1-port) wall mounted
T2 Equipment rack
T3 Equipment frame
T4 Ladder rack
T5 Grounding busbar
T6 ¾" plywood backboard
T7 Vertical cable management section
T8 Space reserved for future equipment rack

BIA School Facilities	Communications EF
Space Description	For square footages, see space template
1. Communications entrance facility	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Special grounding requirement	Yes
UPS required	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
• Plywood backboard	Yes
• Standby power	Yes
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Special temperature range needs:	
• 24/7 cooling	Yes
Individual room air temp. control	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (1-port) - wall mounted (wall phone)	Yes
Equipment rack	Yes
Equipment frame	Yes
Ladder rack	Yes
Grounding bus bar	Yes
Other communications/IT equipment or requirements:	
• 3/4" plywood backboard	Yes
• Vertical cable management section	Yes
• Space reserved for future equipment rack	Yes
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Other												
Other furnishings/millwork/ equipment or requirements:												
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Plywood over entire wall surface - painted	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Sheet vinyl (conductive)	✓											
• Other												
Floors:												
• VCT	✓											
• Sheet vinyl (conductive)	✓											
• Sealed concrete	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'											
• Exposed to structure - painted	✓											
• Gypsum board - painted	✓											
• Lay-in acoustical	✓											
• Other												
Doors:												
• Wood	✓											
• Other												

Structural Requirements	
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities
1. Space for technology needs

Notes

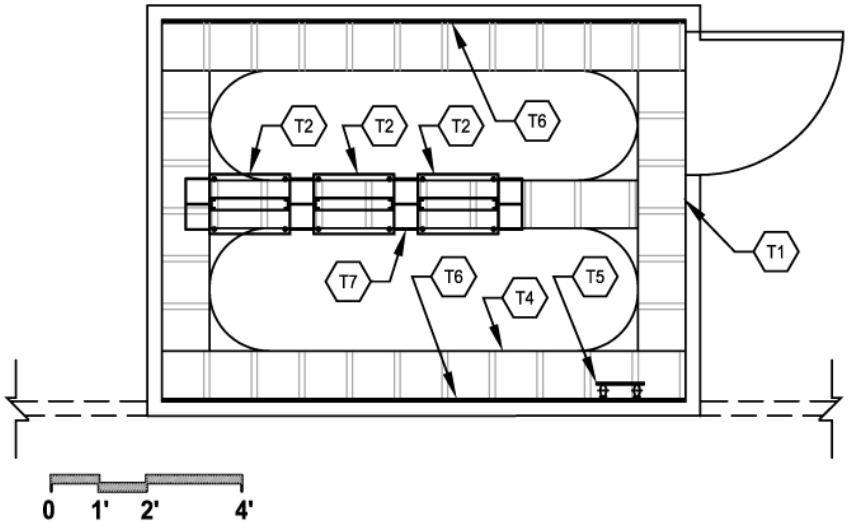
Electrical:

1. Provide automatic shut-off via building management system time clock.
2. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent room(s).
3. Provide a minimum of four dedicated receptacles on each lone wall within this room.
4. Provide a dedicated ground bar tied to the MDP ground bar.
5. Provide 3/4" fire rated plywood backboard on all walls within this room from floor to +8'- 0".
6. Provide two dedicated receptacles for each equipment rack. Receptacles shall be mounted on Unistrut above the racks.
7. Provide four dedicated 30-amp receptacles evenly spaced above the rack locations for UPS power. Coordinate exact receptacle requirements prior to specification.
8. When available, all equipment within this room shall be connected to standby generator power.

Fire Protection:

1. Provide semi-recessed heads for spaces with ceilings.

SS-6 Telecommunications Room (TR)



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration of room may be modified as long as functional arrangement isn't changed.

CAPACITY: N/A
SIZE: 88 s.f.

Key Notes:

T1 Communication outlet (1-port) wall mounted
T2 Equipment rack
T4 Ladder rack
T5 Grounding busbar
T6 ¾" plywood backboard
T7 Vertical cable management section

BIA School Facilities	Telecommunications (TR)
Space Description	For square footages, see space template
1. Telecommunications room (TR)	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Specialized power requirements	Yes
Special grounding requirement	Yes
UPS required	Yes
Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
• Plywood backboard	Yes
• Standby power	Yes
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Special temperature range needs:	
• 24/7 cooling	Yes
Individual room air temp. control	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (1-port) - wall mounted (wall phone)	Yes
Equipment rack	Yes
Ladder rack	Yes
Grounding busbar	Yes
Other communications/IT equipment or requirements:	
• 3/4" plywood backboard	Yes
• Vertical cable management section	Yes
• Space reserved for future equipment rack	Yes
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Other												
Other furnishings/millwork/ equipment or requirements:												
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Plywood over entire wall surface - painted	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Sheet vinyl (conductive)	✓											
• Other												
Floors:												
• VCT	✓											
• Sheet vinyl (conductive)	✓											
• Sealed concrete	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'											
• Exposed to structure - painted	✓											
• Gypsum board - painted	✓											
• Lay-in acoustical	✓											
• Other												
Doors:												
• Wood	✓											
• Other												

Structural Requirements	
Other structural requirements:	
•	

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System	
Sprinklers:	
• Semi-recessed	Yes
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities
1. Space for technology needs

Notes

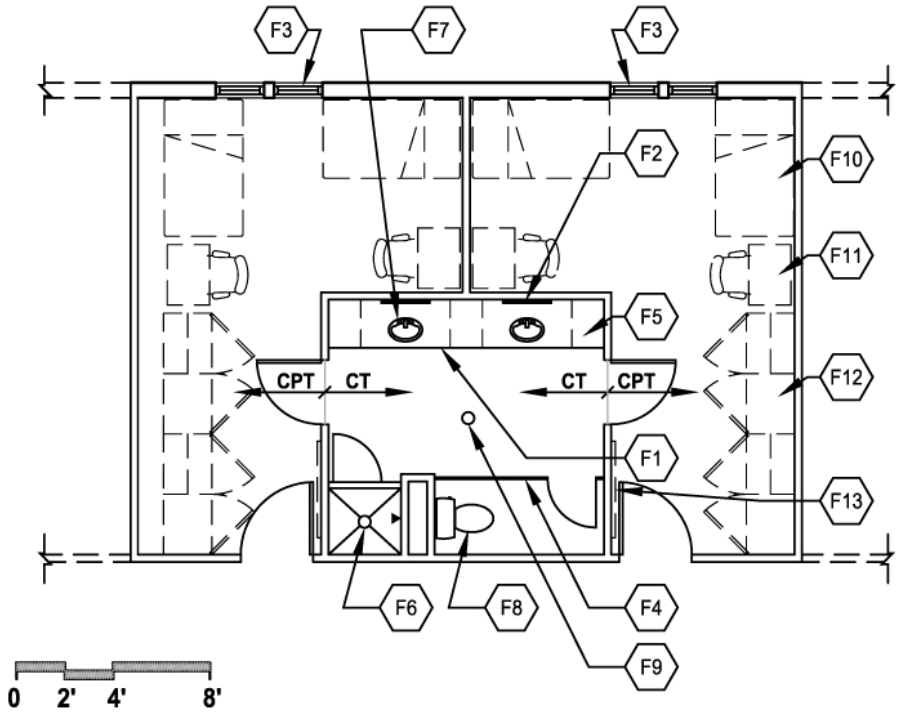
Electrical:

1. Provide automatic shut-off via building management system time clock.
2. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent room(s).
3. Provide a minimum of four dedicated receptacles on each lone wall within this room.
4. Provide a dedicated ground bar tied to the MDP ground bar.
5. Provide 3/4" fire rated plywood backboard on all walls within this room from floor to +8'- 0".
6. Provide two dedicated receptacles for each equipment rack. Receptacles shall be mounted on Unistrut above the racks.
7. Provide four dedicated 30-amp receptacles evenly spaced above the rack locations for UPS power. Coordinate exact receptacle requirements prior to specification.
8. When available, all equipment within this room shall be connected to standby generator power.

Fire Protection:

1. Provide semi-recessed heads for spaces with ceilings.

D-1 Grades 1 thru 8 Two-Bed Sleeping Rooms / Restroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Verify room layout with F.F.E. size requirements.
2. Exterior window locations may be modified.
3. For accessible sleeping rooms and restroom, modify layout to comply with accessibility requirements.

CAPACITY:	2 students per sleeping area	
SIZE:	Sleeping Rooms	190 s.f. each
	Restroom	120 s.f.

Key Notes:

F1 Solid plastic countertops
F2 Mirror
F3 Windows/daylight into space required
F4 Toilet partition
F5 Undercounter drawers
F6 Shower unit
F7 Sink
F8 Toilet
F9 Floor drain
F10 Single bed
F11 Study desk
F12 Student wardrobe
F13 Tackboard

BIA School Facilities Grades 1-8 Dorm Room for 2

Space Description — For square footages, see space template

1. Sleeping room
2. Restroom (serves two sleeping rooms)

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
● Automatic lighting controls	Yes
● Multi-level switched	Yes
● Specialty/task lighting	Yes
Other electrical/lighting equipment or requirements:	
●	

Fixed Furnishings/Equipment

	Qty	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Tackboard	Qty	1											
Casework:													
● Solid plastic countertops			Yes										
● Undercounter drawers			Yes										
● Other													
Other furnishings/millwork/ equipment or requirements:													
● Toilet partitions			Yes										
● Mirror			Yes										
● Toilet paper dispenser			Yes										
●													

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Other HVAC equipment or requirements:	
●	

Plumbing

Domestic water:	
● Hot	Yes in #2
● Cold	Yes in #2
Floor drain	Yes in #2
Other plumbing equipment or requirements:	
●	

Communications/IT Requirements

CATV outlet (coax + Cat 6)	Yes in#1
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
●	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Interior Finishes

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
● CMU - painted	✓	✓										
● CMU - ground face, integral color	✓	✓										
● Impact-resistant gypsum board - painted or vinyl covered	✓	✓										
● Other												
Base:												
● Resilient rubber	✓	✓										
● Ceramic tile		✓										
● Quarry tile		✓										
● Sheet vinyl	✓	✓										
● Fluid applied flooring system		✓										
● Other												
Floors:												
● Carpet	✓											
● Ceramic tile		✓										
● Quarry tile		✓										
● VCT	✓	✓										
● Sheet vinyl	✓	✓										
● Fluid applied flooring system		✓										
● Other												
Ceilings:												
● Minimum ceiling height	9'	9'										
● Gypsum board - painted	✓	✓										
● Lay-in acoustical	✓	✓										
● Other												
Windows:												
● Windows/daylight into space required	Yes											
● Operable window required	Yes											
Doors:												
● Wood	✓	✓										
● Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Sleeping and health needs for residents

Notes

Electrical:

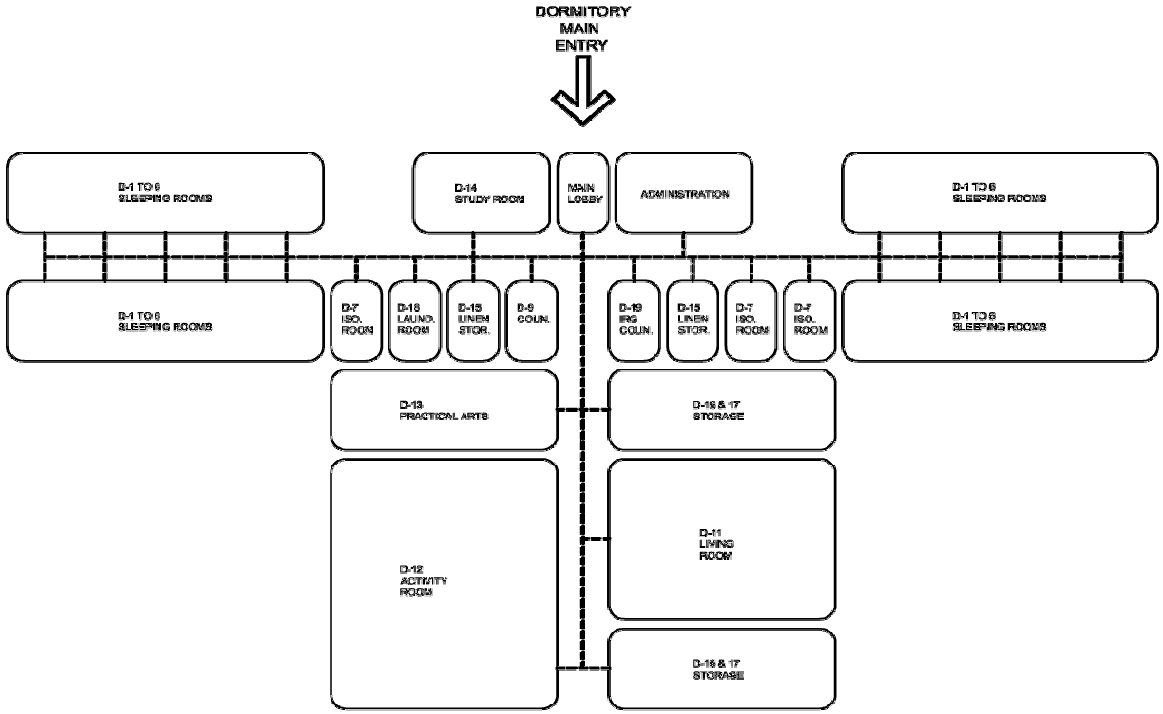
1. Provide wall switch type occupancy sensor.
2. Provide multi-level light switching.
3. Provide permanent task lighting at desks.

Key Space Design and Relationship Concepts

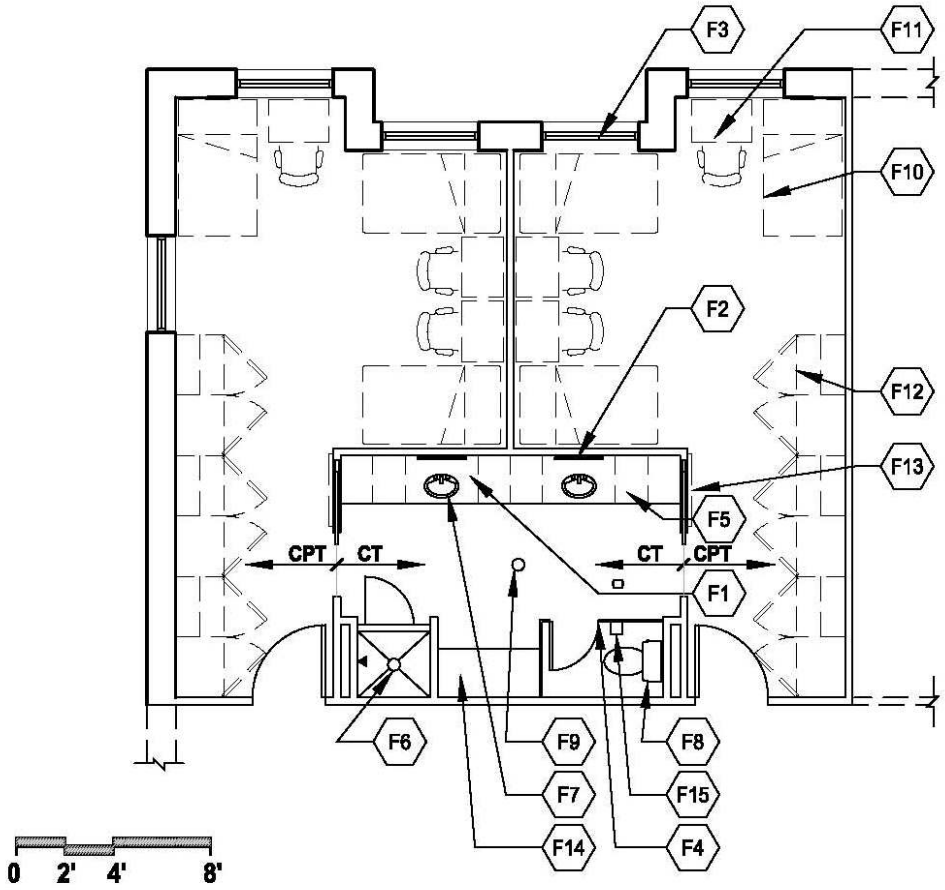
1. Corridor accessing dorm rooms is adjacent to dorm administrative staff.
2. Close relationship to all other dorm resident functions.

Spatial Relationship Diagram

Grades 1 thru 8 Two-Bed Sleeping Rooms / Restroom



D-2 Grades 1 thru 8 Three-Bed Sleeping Rooms / Restroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Verify room layout with F.F.E. size requirements.
2. Exterior window locations may be modified.
3. For accessible sleeping rooms and restroom, modify layout to comply with accessibility requirements.

CAPACITY:	3 students per sleeping area	
SIZE:	Sleeping Rooms	251 s.f. each
	Restroom	140 s.f.

Key Notes:

F1 Solid plastic countertops
F2 Mirror
F3 Windows/daylight into space required
F4 Toilet partition
F5 Undercounter drawers
F6 Shower unit
F7 Sink
F8 Toilet
F9 Floor drain
F10 Single bed
F11 Study desk
F12 Student wardrobe
F13 Tackboard
F14 Dressing bench
F15 Toilet paper dispenser

BIA School Facilities Grades 1-8 Dorm Room for 3

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Space Description — For square footages, see space template

1. Sleeping room
2. Restroom (serves two sleeping rooms)

Acoustical Conditions

Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
• Specialty/task lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes in #2
• Cold	Yes in #2
Floor drain	Yes in #2
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements

CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Tackboard	Qty	1											
Casework:													
• Solid plastic countertops			Yes										
• Undercounter drawers			Yes										
• Dressing bench			Yes										
• Other													
Other furnishings/millwork/ equipment or requirements:													
• Toilet partitions			Yes										
• Mirror			Yes										
• Toilet paper dispenser			Yes										
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓	✓										
• Impact-resistant gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Ceramic tile		✓										
• Quarry tile		✓										
• Sheet vinyl	✓	✓										
• Fluid applied flooring system		✓										
• Other												
Floors:												
• Carpet	✓											
• Ceramic tile		✓										
• Quarry tile		✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Fluid applied flooring system		✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'	9'										
• Gypsum board - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	✓	✓										
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Sleeping and health needs for residents

Notes

Electrical:

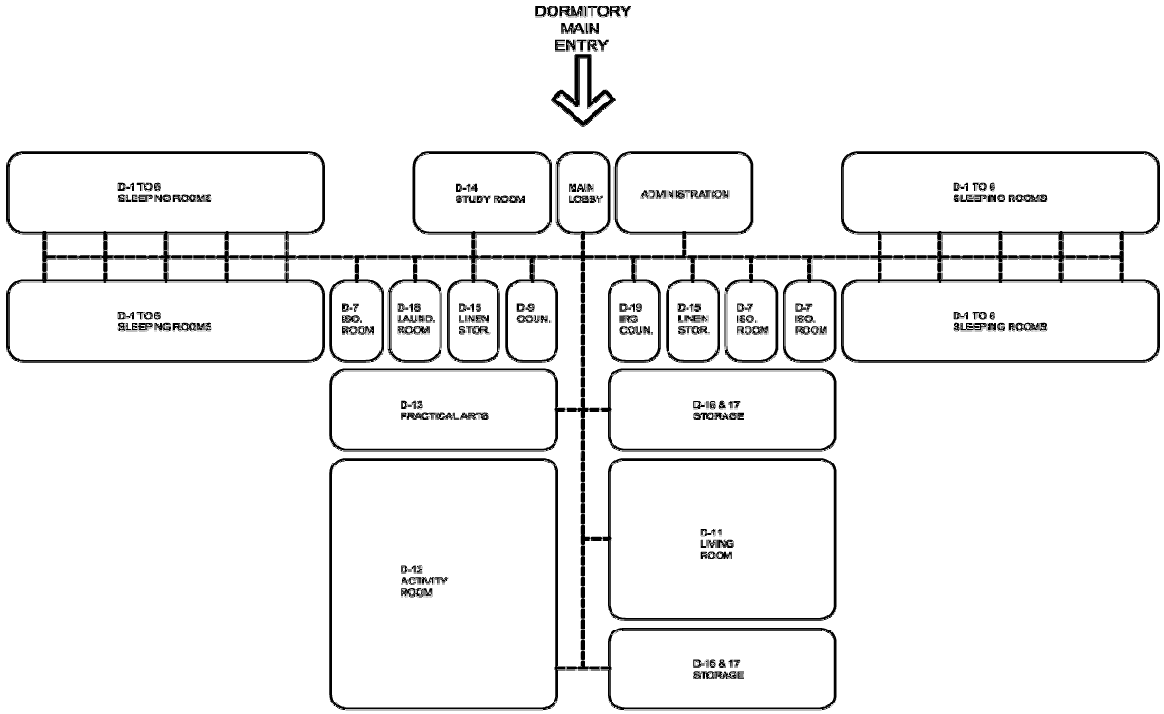
1. Provide wall switch type occupancy sensor.
2. Provide multi-level light switching.
3. Provide permanent task lighting at desks.

Key Space Design and Relationship Concepts

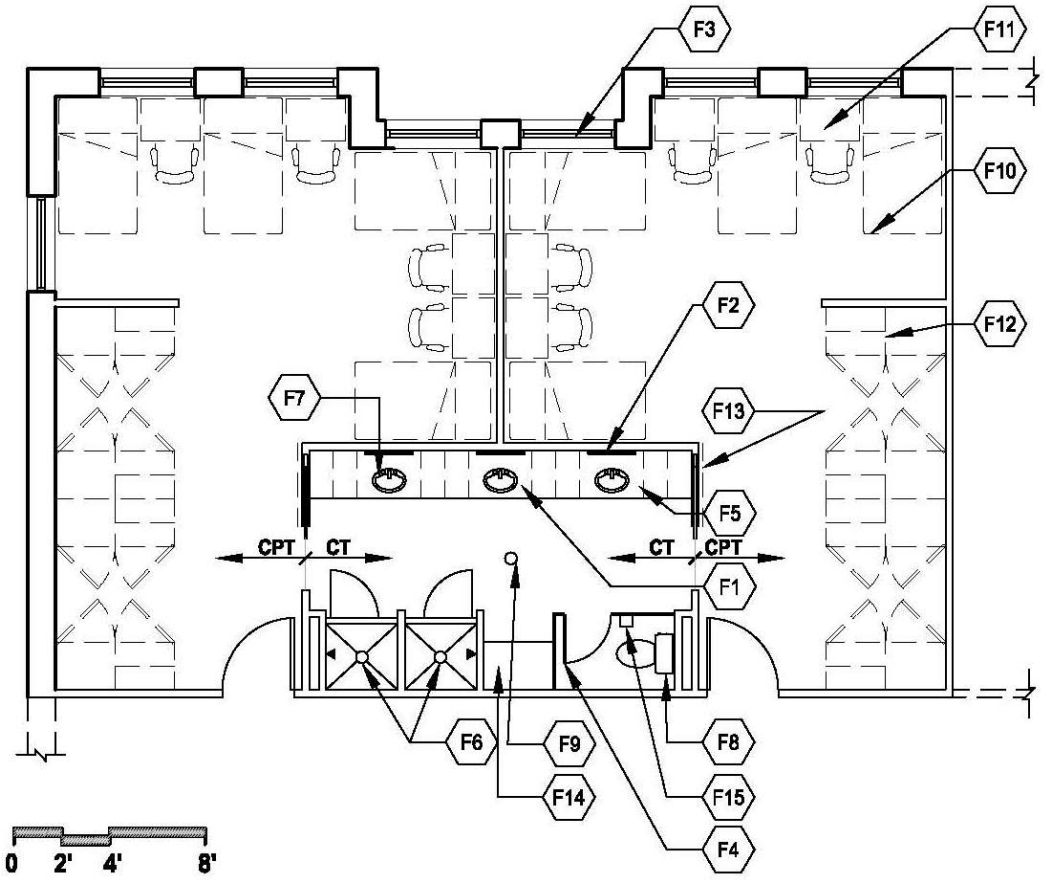
1. Corridor accessing dorm rooms is adjacent to dorm administrative staff.
2. Close relationship to all other dorm resident functions.

Spatial Relationship Diagram

Grades 1 thru 8 Three-Bed Sleeping Rooms / Restroom



D-3 Grades 1 thru 8 Four-Bed Sleeping Rooms / Restroom



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Verify room layout with F.F.E. size requirements.
2. Exterior window locations may be modified.
3. For accessible sleeping rooms and restroom, modify layout to comply with accessibility requirements.

CAPACITY:	4 students per sleeping area	
SIZE:	Sleeping Rooms	360 s.f. each
	Restroom	160 s.f.

Key Notes:

F1 Solid plastic countertops
F2 Mirror
F3 Windows/daylight into space required
F4 Toilet partition
F5 Undercounter drawers
F6 Shower unit
F7 Sink
F8 Toilet
F9 Floor drain
F10 Single bed
F11 Study desk
F12 Student wardrobe
F13 Tackboard
F14 Dressing bench
F15 Toilet paper dispenser

BIA School Facilities Grades 1-8 Dorm Room for 4

Space Description — For square footages, see space template

1. Sleeping room
2. Restroom (serves two sleeping rooms)

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
● Automatic lighting controls	Yes
● Multi-level switched	Yes
● Specialty/task lighting	Yes
Other electrical/lighting equipment or requirements:	
●	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Other HVAC equipment or requirements:	
●	

Plumbing

Domestic water:	
● Hot	Yes in #2
● Cold	Yes in #2
Floor drain	Yes in #2
Other plumbing equipment or requirements:	
●	

Communications/IT Requirements

CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
●	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Fixed Furnishings/Equipment		**#1**	**#2**	**#3**	**#4**	**#5**	**#6**	**#7**	**#8**	**#9**	**#10**	**#11**	**#12**
Tackboard	Qty	1											
Casework:													
● Solid plastic countertops			Yes										
● Undercounter drawers			Yes										
● Dressing bench			Yes										
● Other													
Other furnishings/millwork/ equipment or requirements:													
● Toilet partitions			Yes										
● Mirror			Yes										
● Toilet paper dispenser			Yes										
●													

Interior Finishes	**#1**	**#2**	**#3**	**#4**	**#5**	**#6**	**#7**	**#8**	**#9**	**#10**	**#11**	**#12**
Walls:												
● CMU - painted	✓	✓										
● CMU - ground face, integral color	✓	✓										
● Impact-resistant gypsum board - painted or vinyl covered	✓	✓										
● Other												
Base:												
● Resilient rubber	✓	✓										
● Ceramic tile		✓										
● Quarry tile		✓										
● Sheet vinyl	✓	✓										
● Fluid applied flooring system		✓										
● Other												
Floors:												
● Carpet	✓											
● Ceramic tile		✓										
● Quarry tile		✓										
● VCT	✓	✓										
● Sheet vinyl	✓	✓										
● Fluid applied flooring system		✓										
● Other												
Ceilings:												
● Minimum ceiling height	9'	9'										
● Gypsum board - painted	✓	✓										
● Lay-in acoustical	✓	✓										
● Other												
Windows:												
● Windows/daylight into space required	Yes											
● Operable window required	Yes											
Doors:												
● Wood	✓	✓										
● Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Sleeping and health needs for residents

Notes

Electrical:

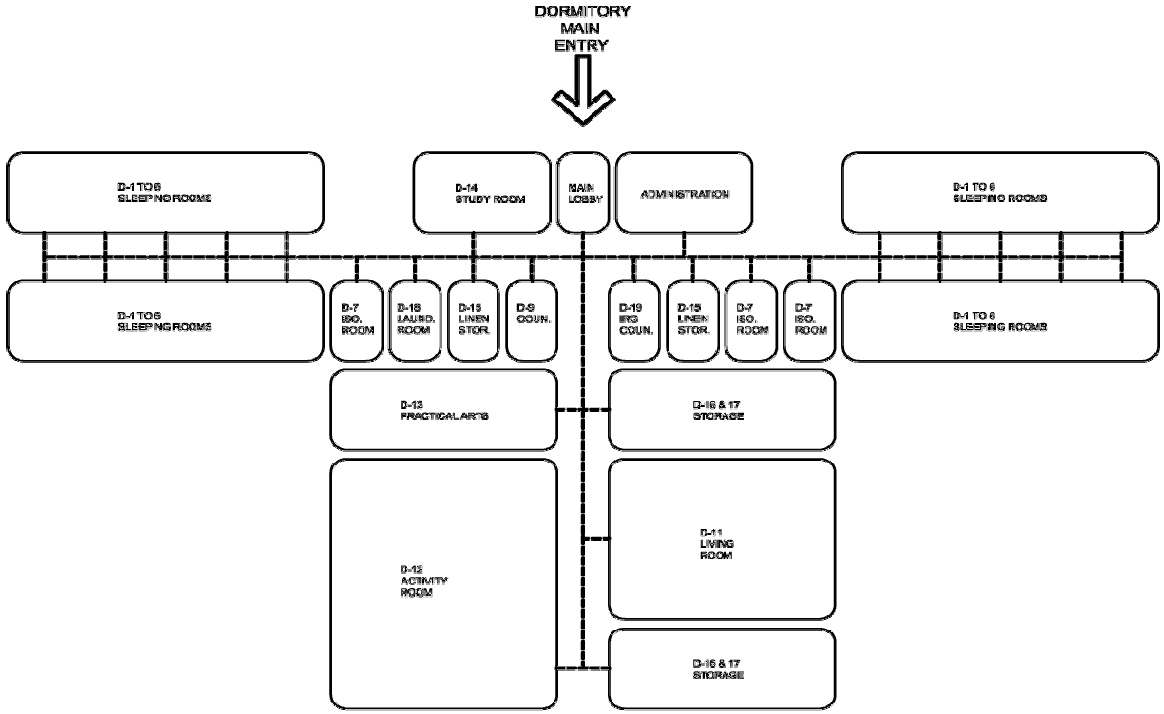
1. Provide wall switch type occupancy sensor.
2. Provide multi-level light switching.
3. Provide permanent task lighting at desks.

Key Space Design and Relationship Concepts

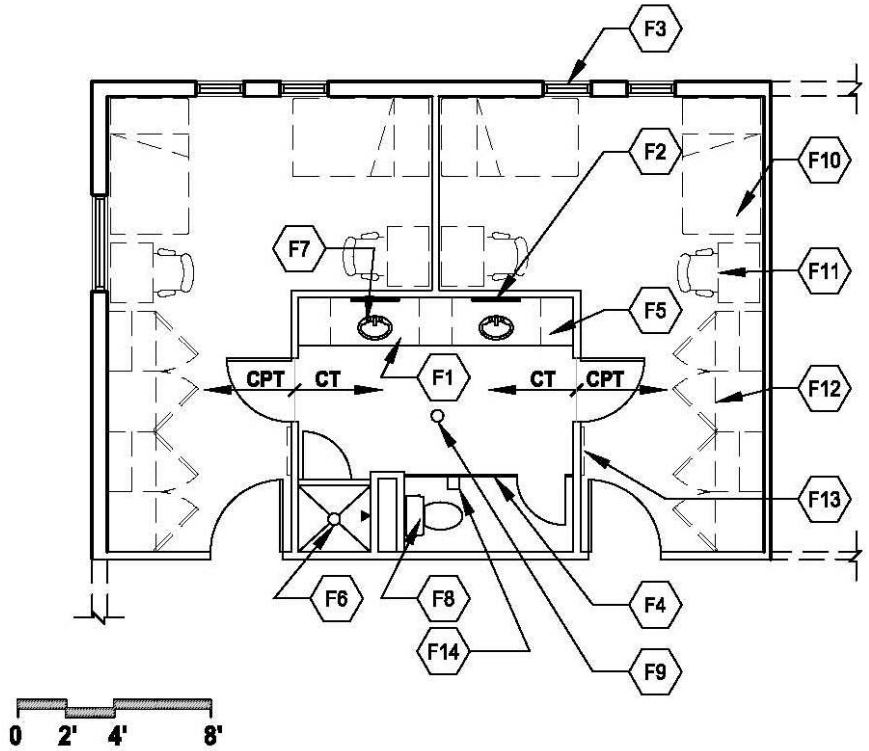
1. Corridor accessing dorm rooms is adjacent to dorm administrative staff.
2. Close relationship to all other dorm resident functions.

Spatial Relationship Diagram

Grades 1 thru 8 Four-Bed Sleeping Rooms / Restroom



D-4 Grades 9 thru 12 Two-Bed Sleeping Rooms / Restroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Verify room layout with F.F.E. size requirements.
2. Exterior window locations may be modified.
3. For accessible sleeping rooms and restroom, modify layout to comply with accessibility requirements.

CAPACITY:	2 students per sleeping area	
SIZE:	Sleeping Rooms	190 s.f. each
	Restroom	120 s.f.

Key Notes:

F1 Solid plastic countertops
F2 Mirror
F3 Windows/daylight into space required
F4 Toilet partition
F5 Undercounter drawers
F6 Shower unit
F7 Sink
F8 Toilet
F9 Floor drain
F10 Single bed
F11 Study desk
F12 Student wardrobe
F13 Tackboard
F14 Toilet paper dispenser

BIA School Facilities Grades 9-12 Dorm Room for 2

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Space Description — For square footages, see space template

1. Sleeping room
2. Restroom (serves two sleeping rooms)

Acoustical Conditions

Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
● Automatic lighting controls	Yes
● Multi-level switched	Yes
● Specialty/task lighting	Yes
Other electrical/lighting equipment or requirements:	
●	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Other HVAC equipment or requirements:	
●	

Plumbing

Domestic water:	
● Hot	Yes in #2
● Cold	Yes in #2
Floor drain	Yes in #2
Other plumbing equipment or requirements:	
●	

Communications/IT Requirements

CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
●	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Fixed Furnishings/Equipment

	Qty	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Tackboard	Qty	1											
Casework:													
● Solid plastic countertops			Yes										
● Undercounter drawers			Yes										
● Other													
Other furnishings/millwork/ equipment or requirements:													
● Toilet partitions			Yes										
● Mirror			Yes										
● Toilet paper dispenser			Yes										
●													

Interior Finishes

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
● CMU - painted	✓	✓										
● CMU - ground face, integral color	✓	✓										
● Impact-resistant gypsum board - painted or vinyl covered	✓	✓										
● Other												
Base:												
● Resilient rubber	✓	✓										
● Ceramic tile		✓										
● Quarry tile		✓										
● Sheet vinyl	✓	✓										
● Fluid applied flooring system		✓										
● Other												
Floors:												
● Carpet	✓											
● Ceramic tile		✓										
● Quarry tile		✓										
● VCT	✓	✓										
● Sheet vinyl	✓	✓										
● Fluid applied flooring system		✓										
● Other												
Ceilings:												
● Minimum ceiling height	9'	9'										
● Gypsum board - painted	✓	✓										
● Lay-in acoustical	✓	✓										
● Other												
Windows:												
● Windows/daylight into space required	Yes											
● Operable window required	Yes											
Doors:												
● Wood	✓	✓										
● Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Sleeping and health needs for residents

Notes

Electrical:

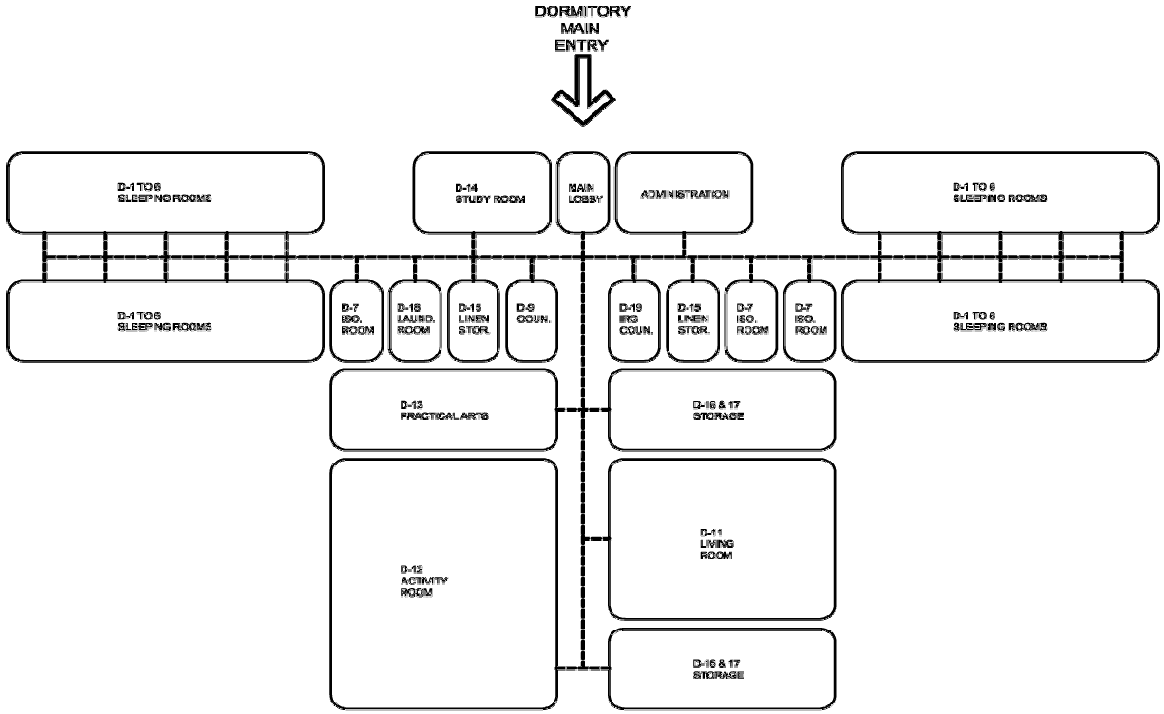
1. Provide wall switch type occupancy sensor.
2. Provide multi-level light switching.
3. Provide permanent task lighting at desks.

Key Space Design and Relationship Concepts

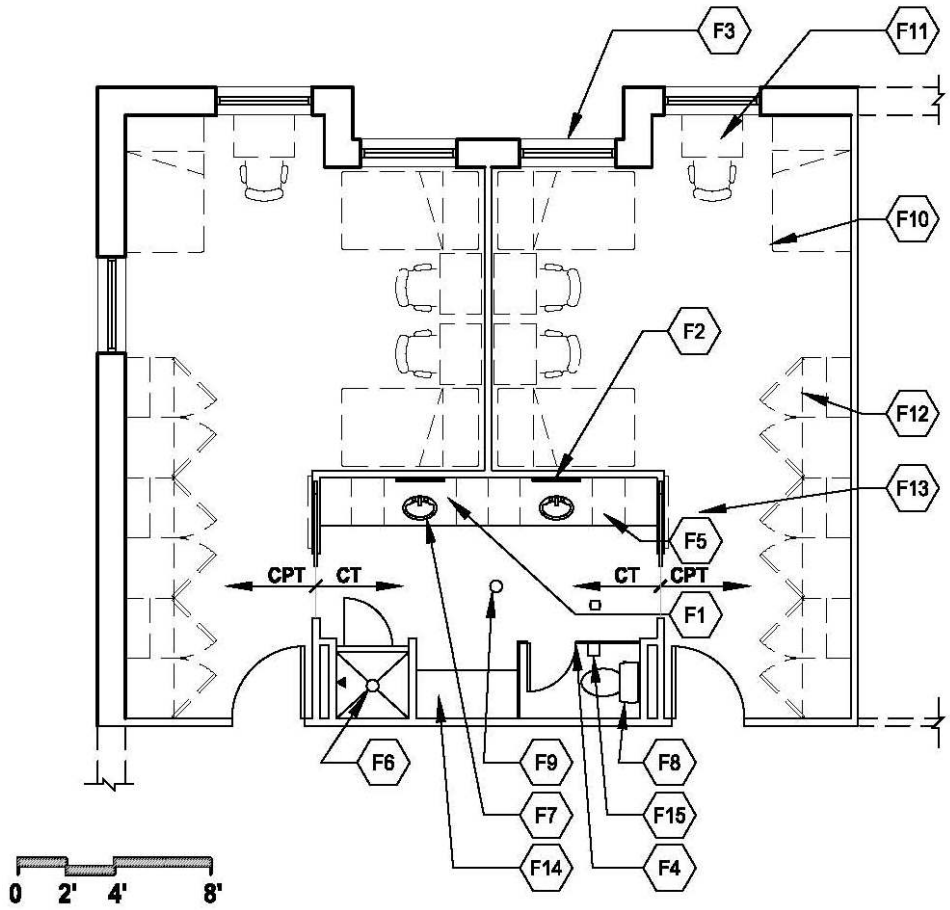
1. Corridor accessing dorm rooms is adjacent to dorm administrative staff.
2. Close relationship to all other dorm resident functions.

Spatial Relationship Diagram

Grades 9 thru 12 Two-Bed Sleeping Rooms / Restroom



D-5 Grades 9 thru 12 Three-Bed Sleeping Rooms / Restroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Verify room layout with F.F.E. size requirements.
2. Exterior window locations may be modified.
3. For accessible sleeping rooms and restroom, modify layout to comply with accessibility requirements.

CAPACITY:	3 students per sleeping area	
SIZE:	Sleeping Rooms	285 s.f. each
	Restroom	140 s.f.

Key Notes:

F1 Solid plastic countertops
F2 Mirror
F3 Windows/daylight into space required
F4 Toilet partition
F5 Undercounter drawers
F6 Shower unit
F7 Sink
F8 Toilet
F9 Floor drain
F10 Single bed
F11 Study desk
F12 Student wardrobe
F13 Tackboard
F14 Dressing bench
F15 Toilet paper dispenser

BIA School Facilities Grades 9-12 Dorm Room for 3

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Space Description — For square footages, see space template

1. Sleeping room
2. Restroom (serves two sleeping rooms)

Acoustical Conditions

Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
• Specialty/task lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes in #2
• Cold	Yes in #2
Floor drain	Yes in #2
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements

CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Tackboard	Qty	1											
Casework:													
• Solid plastic countertops			Yes										
• Undercounter drawers			Yes										
• Dressing bench			Yes										
• Other													
Other furnishings/millwork/ equipment or requirements:													
• Toilet partitions			Yes										
• Mirror			Yes										
• Toilet paper dispenser			Yes										
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓	✓										
• Impact-resistant gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Ceramic tile		✓										
• Quarry tile		✓										
• Sheet vinyl	✓	✓										
• Fluid applied flooring system		✓										
• Other												
Floors:												
• Carpet	✓											
• Ceramic tile		✓										
• Quarry tile		✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Fluid applied flooring system		✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'	9'										
• Gypsum board - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	✓	✓										
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Sleeping and health needs for residents

Notes

Electrical:

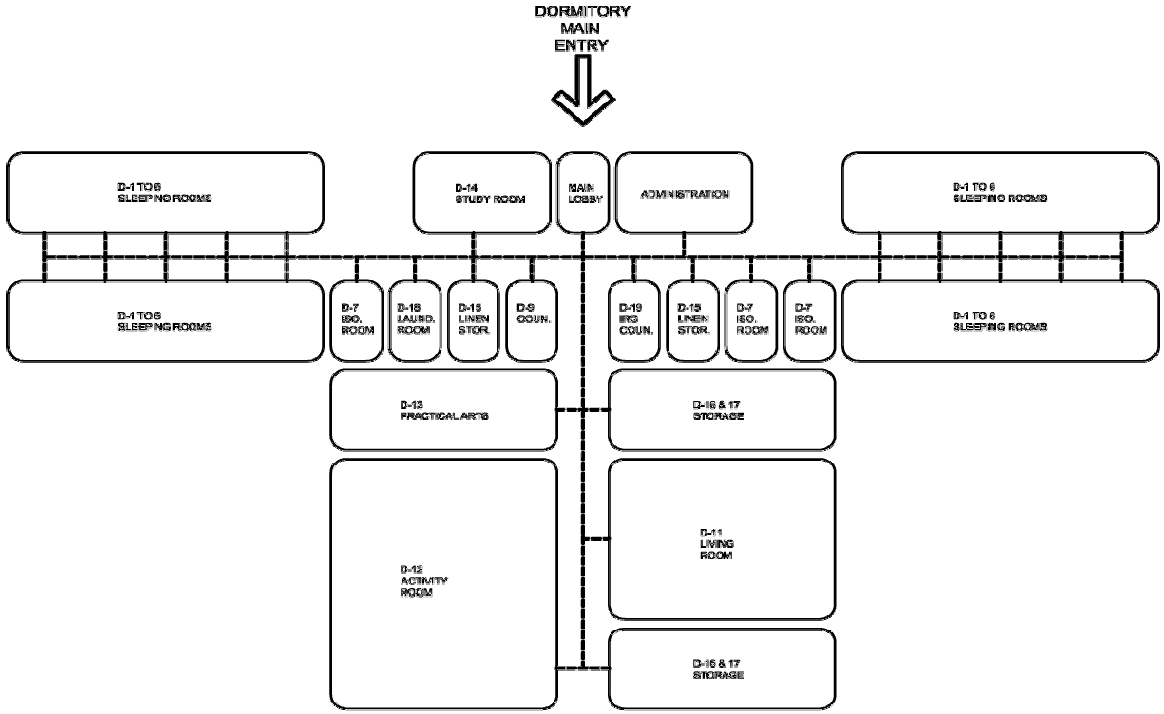
1. Provide wall switch type occupancy sensor.
2. Provide multi-level light switching.
3. Provide permanent task lighting at desks.

Key Space Design and Relationship Concepts

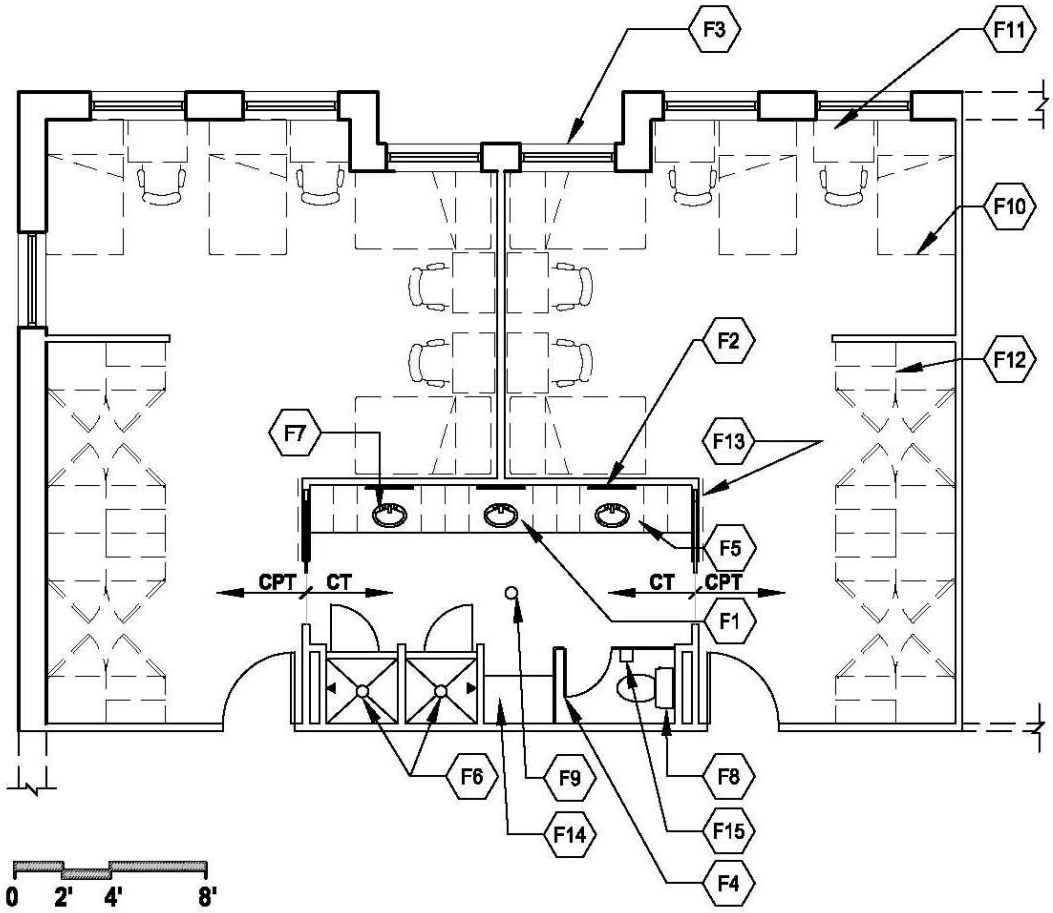
1. Corridor accessing dorm rooms is adjacent to dorm administrative staff.
2. Close relationship to all other dorm resident functions.

Spatial Relationship Diagram

Grades 9 thru 12 Three-Bed Sleeping Rooms / Restroom



D-6 Grades 9 thru 12 Four-Bed Sleeping Rooms / Restroom



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Verify room layout with F.F.E. size requirements.
2. Exterior window locations may be modified.
3. For accessible sleeping rooms and restroom, modify layout to comply with accessibility requirements.

CAPACITY:	4 students per sleeping area	
SIZE:	Sleeping Rooms	380 s.f. each
	Restroom	160 s.f.

Key Notes:

F1 Solid plastic countertops
F2 Mirror
F3 Windows/daylight into space required
F4 Toilet partition
F5 Undercounter drawers
F6 Shower unit
F7 Sink
F8 Toilet
F9 Floor drain
F10 Single bed
F11 Study desk
F12 Student wardrobe
F13 Tackboard
F14 Dressing bench
F15 Toilet paper dispenser

BIA School Facilities Grades 9-12 Dorm Room for 4

Space Description	For square footages, see space template
1. Sleeping room	
2. Restroom (serves two sleeping rooms)	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
• Specialty/task lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes in #2
• Cold	Yes in #2
Floor drain	Yes in #2
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements

CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Tackboard	Qty	1											
Casework:													
• Solid plastic countertops			Yes										
• Undercounter drawers			Yes										
• Dressing bench			Yes										
• Other													
Other furnishings/millwork/ equipment or requirements:													
• Toilet partitions			Yes										
• Mirror			Yes										
• Toilet paper dispenser			Yes										
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓	✓										
• CMU - ground face, integral color	✓	✓										
• Impact-resistant gypsum board - painted or vinyl covered	✓	✓										
• Other												
Base:												
• Resilient rubber	✓	✓										
• Ceramic tile		✓										
• Quarry tile		✓										
• Sheet vinyl	✓	✓										
• Fluid applied flooring system		✓										
• Other												
Floors:												
• Carpet	✓											
• Ceramic tile		✓										
• Quarry tile		✓										
• VCT	✓	✓										
• Sheet vinyl	✓	✓										
• Fluid applied flooring system		✓										
• Other												
Ceilings:												
• Minimum ceiling height	9'	9'										
• Gypsum board - painted	✓	✓										
• Lay-in acoustical	✓	✓										
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	✓	✓										
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Sleeping and health needs for residents

Notes

Electrical:

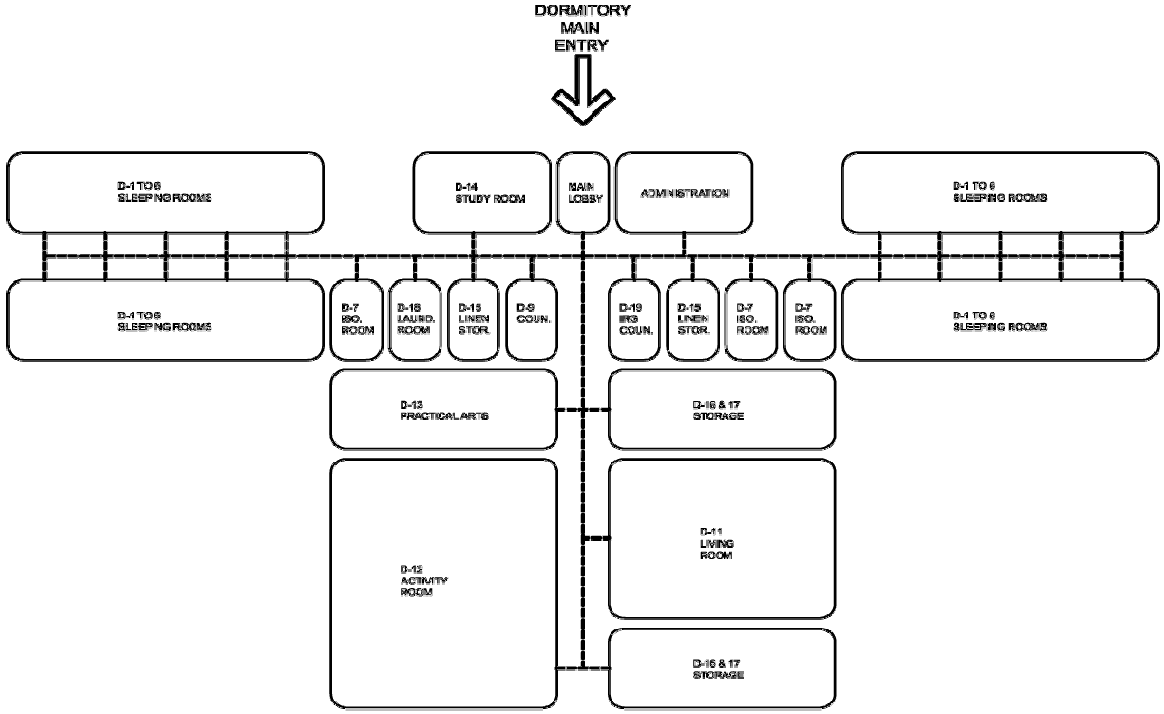
1. Provide wall switch type occupancy sensor.
2. Provide multi-level light switching.
3. Provide permanent task lighting at desks.

Key Space Design and Relationship Concepts

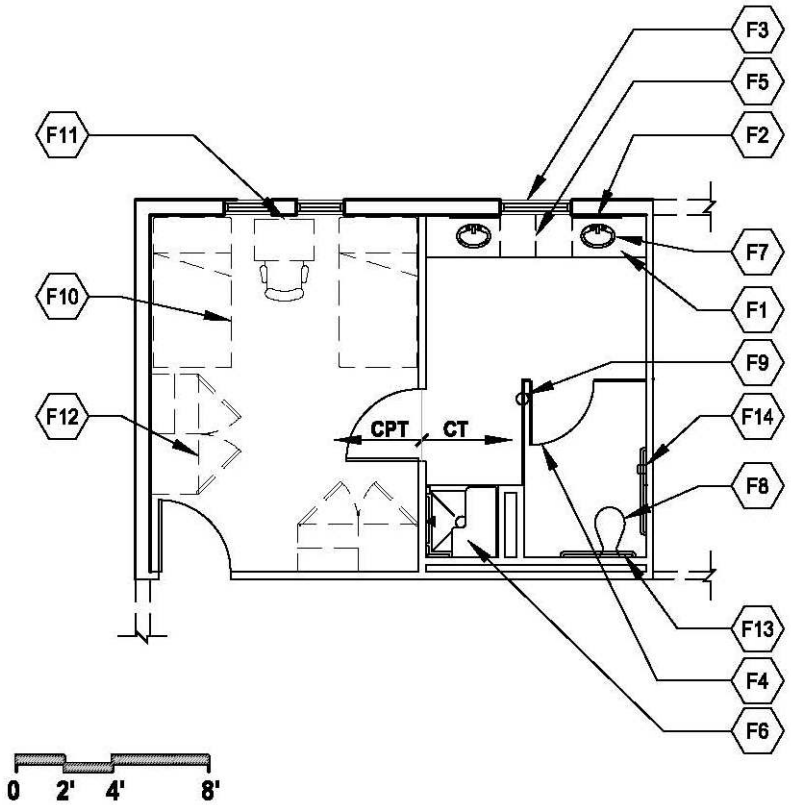
1. Corridor accessing dorm rooms is adjacent to dorm administrative staff.
2. Close relationship to all other dorm resident functions.

Spatial Relationship Diagram

Grades 9 thru 12 Four-Bed Sleeping Rooms / Restroom



D-7 Isolation Health Care Sleeping Room / Restroom



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Verify room layout with F.F.E. size requirements.
2. Exterior window locations may be modified.
3. For accessible sleeping rooms and restroom, modify layout to comply with accessibility requirements.

CAPACITY: 2 students
SIZE: Sleeping Room & Restroom 300 s.f.

Key Notes:

F1 Solid plastic countertops
F2 Mirror
F3 Windows/daylight into space required
F4 Toilet partition
F5 Undercounter drawers
F6 Shower unit
F7 Sink
F8 Toilet
F9 Floor drain
F10 Single bed
F11 Study desk
F12 Student wardrobe
F13 Grab bars
F14 Toilet paper dispenser

D-7 Isolation Health Care Sleeping Room / Restroom Space Criteria

BIA School Facilities **Isolation Health Care Room**

Space Description For square footages, see space template

1. Isolation health care sleeping room
2. Restroom

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
● Automatic lighting controls	Yes in #2
● Multi-level switched	Yes in #1
● Specialty/task lighting	Yes in #1
Other electrical/lighting equipment or requirements:	
●	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Air pressure (balanced is assumed):	
● Negative	Yes
Special zoning: isolate air from neighbors	Yes
Other HVAC equipment or requirements:	
●	

Plumbing

Domestic water:	
● Hot	Yes in #2
● Cold	Yes in #2
Floor drain	Yes in #2
Other plumbing equipment or requirements:	
● Handicapped shower unit w/controls	Yes in #2
●	

Communications/IT Requirements

CATV outlet (coax + Cat 6)	Yes in #1
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
●	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Fixed Furnishings/Equipment

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
● Solid plastic countertops		Yes										
● Undercounter drawers		Yes										
● Other												
Other furnishings/millwork/ equipment or requirements:												
● Toilet partitions		Yes										
● Grab bars		Yes										
● Mirror		Yes										
● Toilet paper dispenser		Yes										
● Other												

Interior Finishes

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
● CMU - painted	✓	✓										
● CMU - ground face, integral color	✓	✓										
● Impact-resistant gypsum board - painted or vinyl covered	✓	✓										
● Other												
Base:												
● Resilient rubber	✓	✓										
● Ceramic tile		✓										
● Quarry tile		✓										
● Sheet vinyl	✓	✓										
● Fluid applied flooring system		✓										
● Other												
Floors:												
● Carpet	✓											
● Ceramic tile		✓										
● Quarry tile		✓										
● VCT	✓	✓										
● Sheet vinyl	✓	✓										
● Fluid applied flooring system		✓										
● Other												
Ceilings:												
● Minimum ceiling height	9'	9'										
● Gypsum board - painted	✓	✓										
● Lay-in acoustical	✓	✓										
● Other												
Windows:												
● Windows/daylight into space required	Yes											
● Operable window required	Yes											
Doors:												
● Wood	✓	✓										
● Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Isolated sleeping area and restroom for children requiring health or psychological observation.

Notes

Electrical:

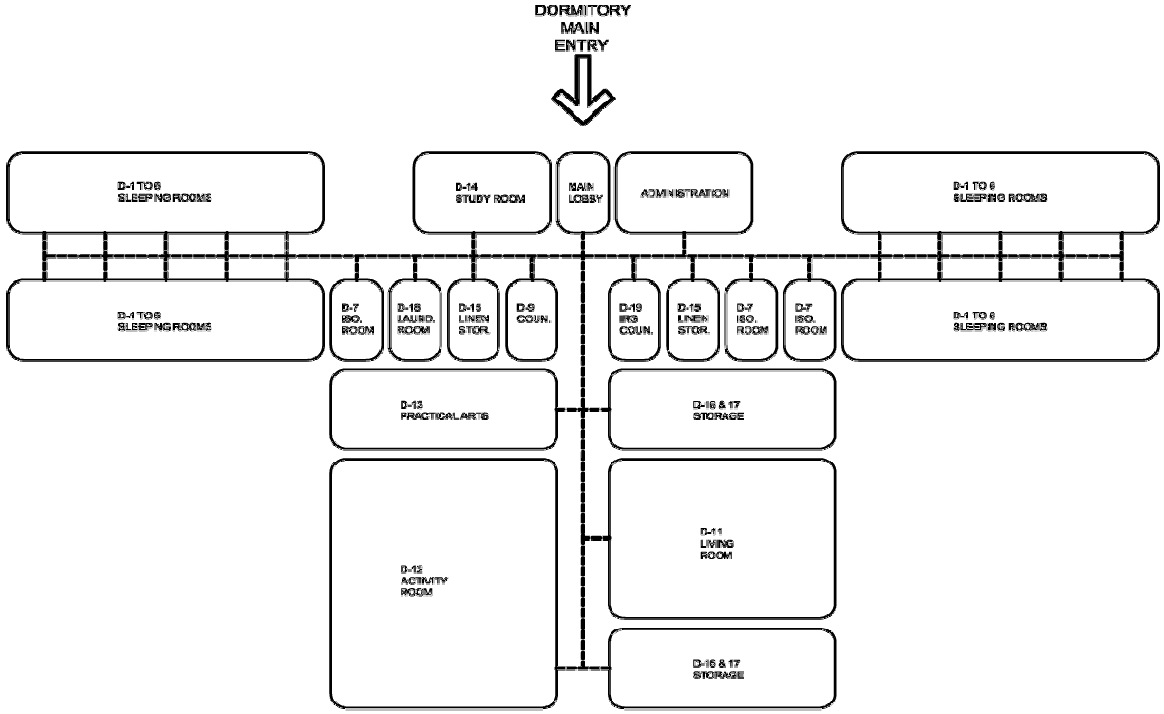
1. Provide wall switch type occupancy sensor.
2. Provide multi-level light switching.
3. Provide permanent task lighting at desk(s).

Key Space Design and Relationship Concepts

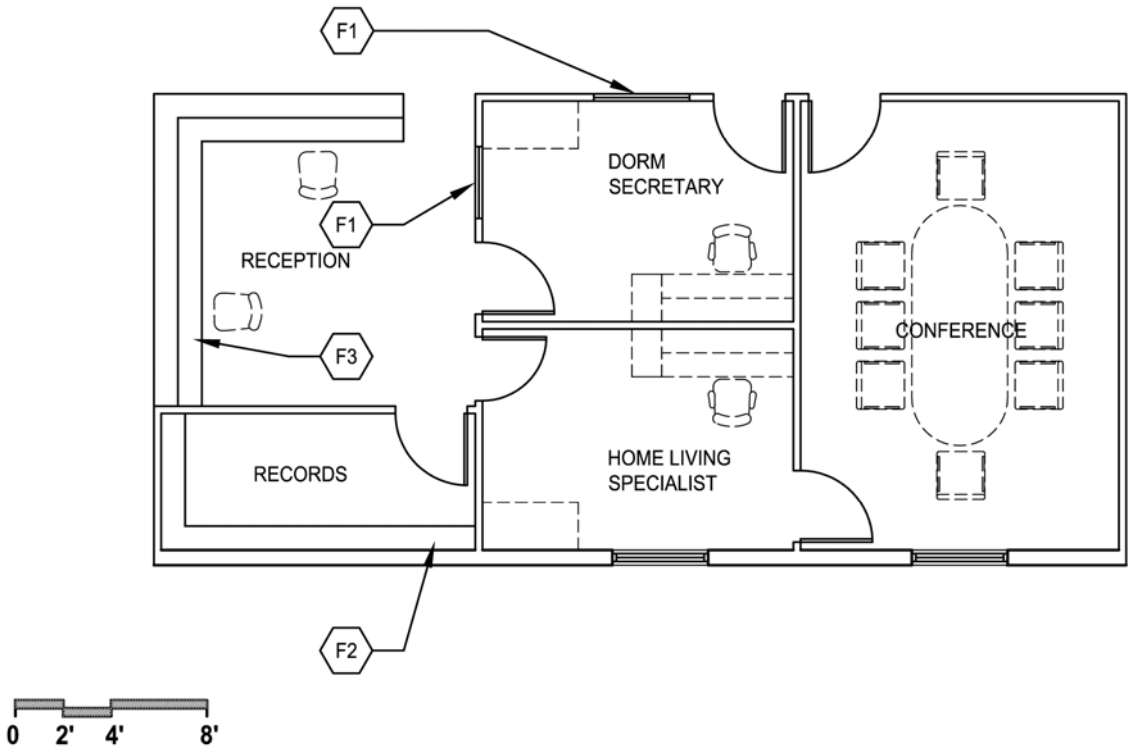
1. Adjacent to administrative staff
2. Close relationship to all other dorm resident functions

Spatial Relationship Diagram

Isolation Health Care Sleeping Room / Restroom



D-8 Dormitory Administrative Area



Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Layout may change due to administrative requirements.

CAPACITY:	N/A	
SIZE:	Dorm Secretary Office	120 s.f.
	Records Storage	75 s.f.
	Home Living Specialist Office	120 s.f.
	Conference Room	250 s.f.

Key Notes:

F1 Interior window
F2 16” deep adjustable shelves
F3 Reception counter

1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

BIA School Facilities **Dorm Administrative Area**

Space Description For square footages, see space template

1. Reception
2. Dorm secretary office
3. Records storage
4. Home living specialist office
5. Conference room

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	Yes in #2,4,5
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Power outlet minimum number	Yes
Lighting requirements:	
● Automatic lighting controls	Yes
● Multi-level switched	Yes
Other electrical/lighting equipment or requirements:	
●	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Other HVAC equipment or requirements:	
●	

Plumbing

Other plumbing equipment or requirements:	
●	

Communications/IT Requirements

Communications outlet (2-port) -standar	Yes in #1,2,4,5
Wireless access point outlet (2-port)	Req. coverage
Clock	Yes in #1
Other communications/IT equipment or requirements:	
●	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
● 16" deep adjustable shelves			Yes									
● Reception counter	Yes											
● Other												
Other furnishings/millwork/ equipment or requirements:												
●												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
● CMU - painted	✓	✓	✓	✓	✓							
● Standard gypsum board - painted or vinyl covered	✓	✓	✓	✓	✓							
● Other												
Base:												
● Resilient rubber	✓	✓	✓	✓	✓							
● Other												
Floors:												
● Carpet	✓	✓	✓	✓	✓							
● VCT	✓	✓	✓	✓	✓							
● Other												
Ceilings:												
● Minimum ceiling height	9'	9'	9'	9'	9'							
● Lay-in acoustical	✓	✓	✓	✓	✓							
● Other												
Windows:												
● Windows/daylight into space required				Yes	Yes							
● Operable window required				Yes	Yes							
● Interior borrowed light window		Yes										
Doors:												
● Wood	✓	✓	✓	✓	✓							
● Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Space for administrative staff and storage
2. Space for private meetings with residents and families

Notes

Electrical:

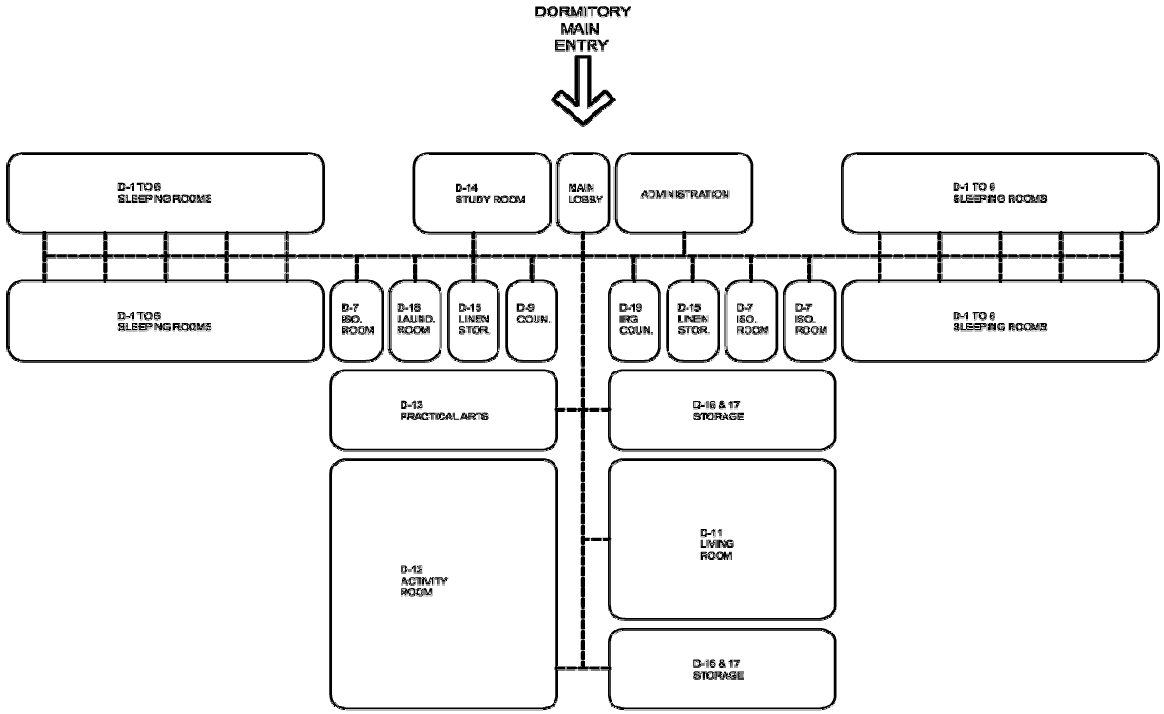
1. Provide wall switch type occupancy sensor.
2. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Key Space Design and Relationship Concepts

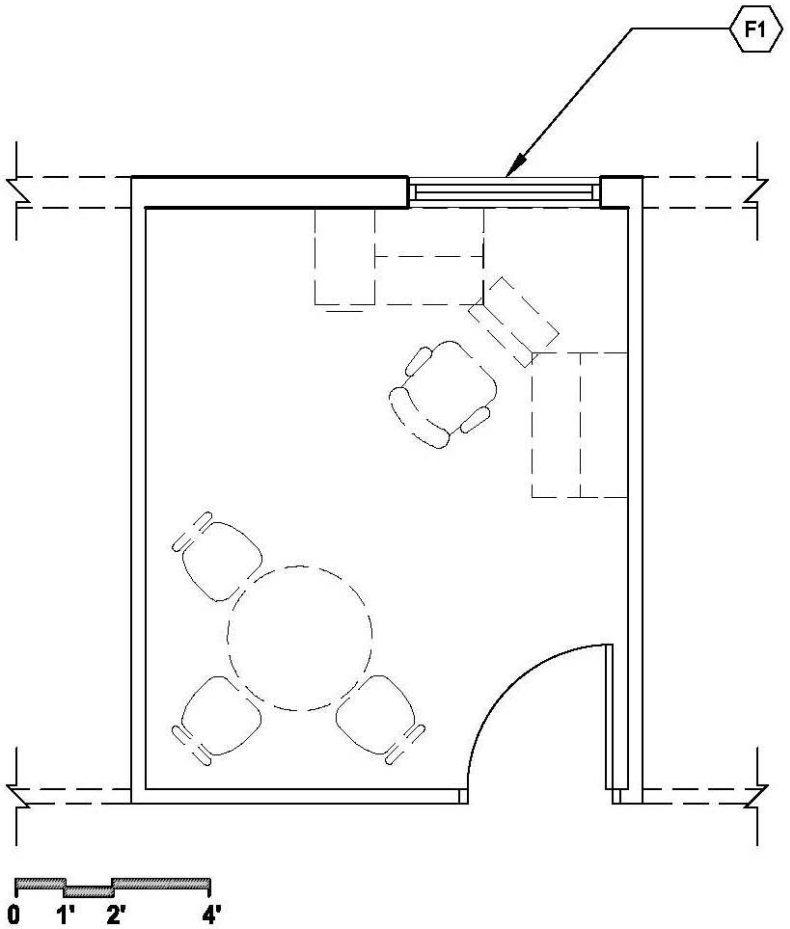
1. Adjacent to dorm main entry
2. Close relationship to all other dorm resident functions
3. Clearly visible to all dorm residents

Spatial Relationship Diagram

Dormitory Administrative Area



D-9 Counseling Office



1 FLOOR PLAN
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY: N/A
SIZE: 120 s.f.

Key Notes:

F1 Exterior window/daylight into space required

BIA School Facilities	Counseling Office
Space Description	For square footages, see space template
1. Counseling office	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Other												
Other furnishings/millwork/ equipment or requirements:												
•												

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communications outlet (2-port) -standar	Yes
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Other												
Floors:												
• Carpet	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'											
• Lay-in acoustical	✓											
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	✓											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Space for student counseling

Notes

Electrical:

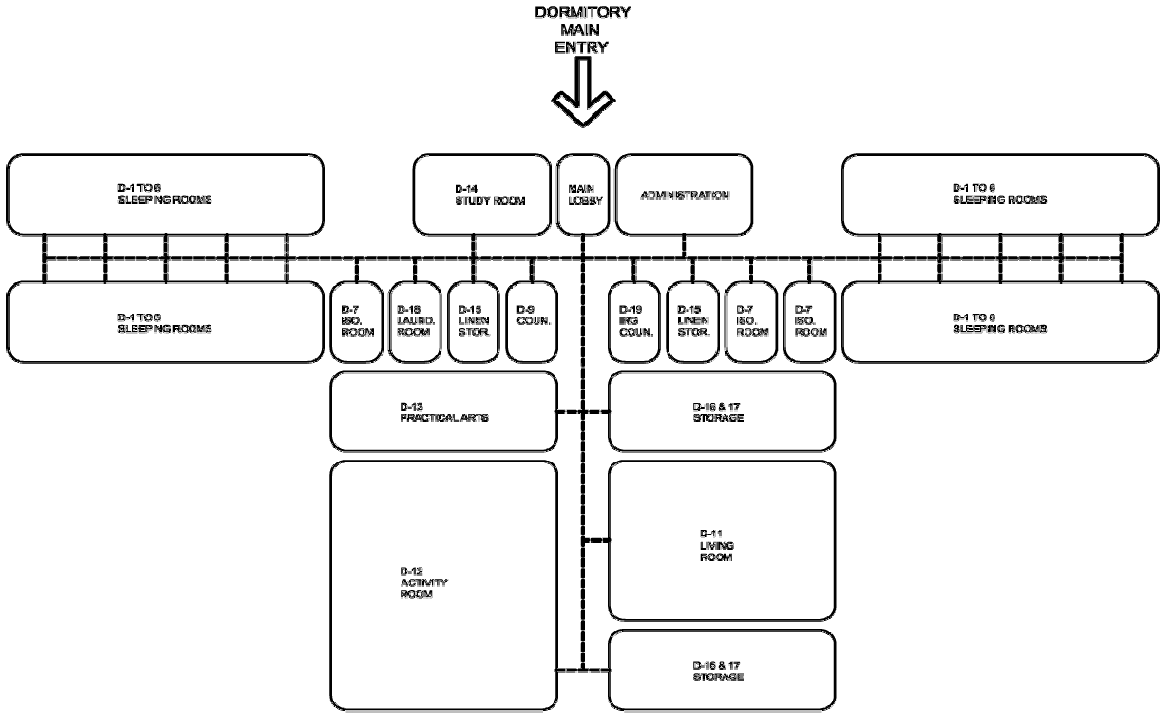
1. Provide multi-level switching with integral wall switch type occupancy sensor.
2. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Key Space Design and Relationship Concepts

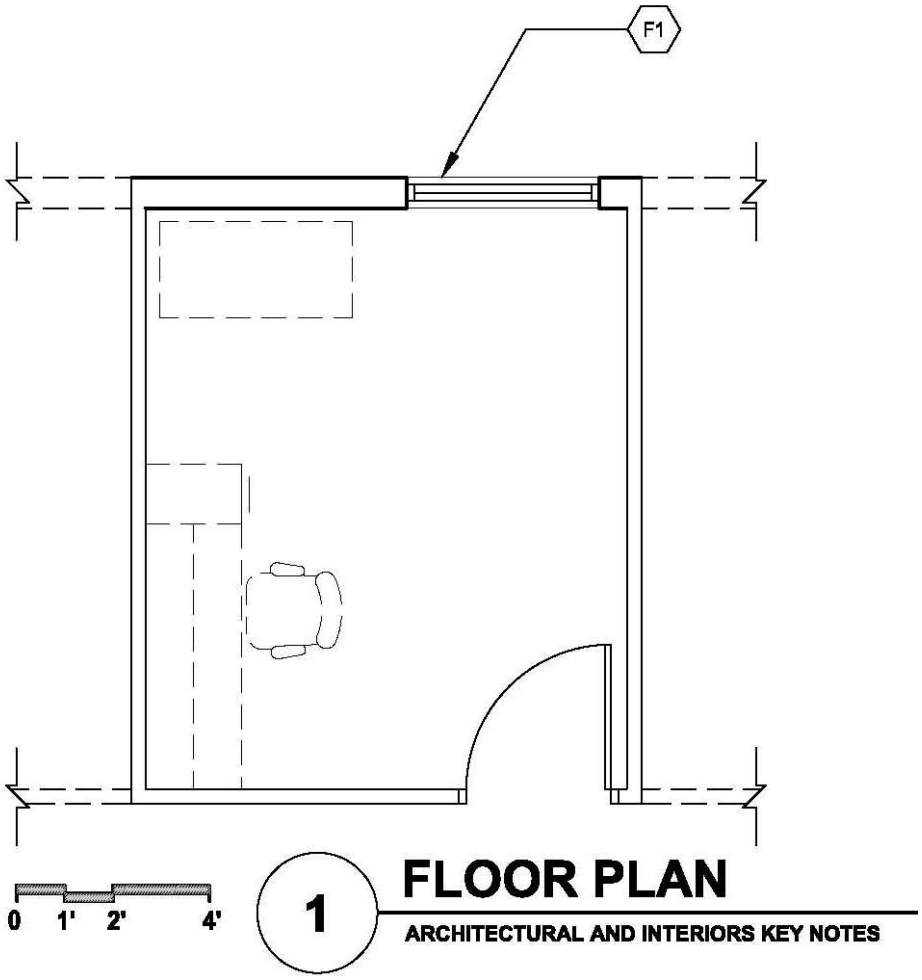
1. Adjacent to dorm rooms
2. Close relationship to all other dorm resident functions
3. Clearly visible to all dorm residents

Spatial Relationship Diagram

Counseling Office



D-10 IRG Counseling Office



Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.

CAPACITY: N/A
SIZE: 120 s.f.

Key Notes:

F1 Exterior window/daylight into space required

BIA School Facilities	IRG Counseling Office
Space Description	For square footages, see space template
1. Intensive Residential Guidance (IRG) counseling office	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Other HVAC equipment or requirements:	
•	

Plumbing

Other plumbing equipment or requirements:	
•	

Communications/IT Requirements

Communications outlet (2-port) -standar	Yes
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Other												
Other furnishings/millwork/ equipment or requirements:												
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Other												
Floors:												
• Carpet	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'											
• Lay-in acoustical	✓											
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	✓											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Space for IRG student counseling

Notes

Electrical:

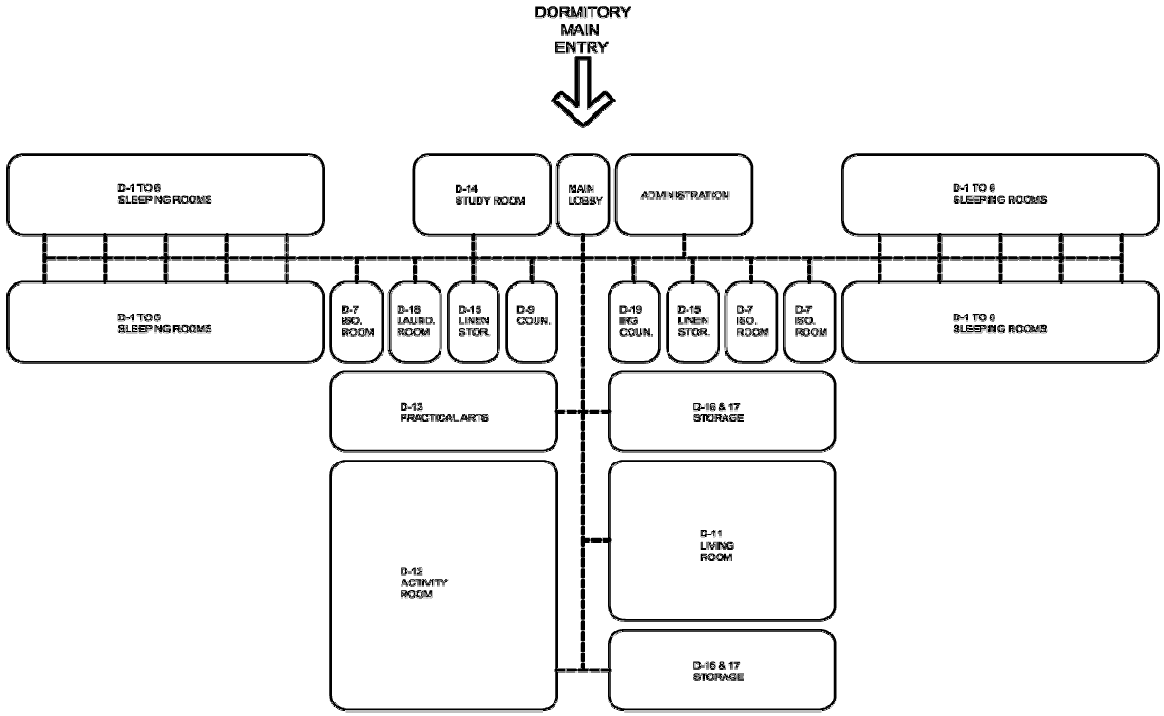
1. Provide multi-level switching with integral wall switch type occupancy sensor.
2. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Key Space Design and Relationship Concepts

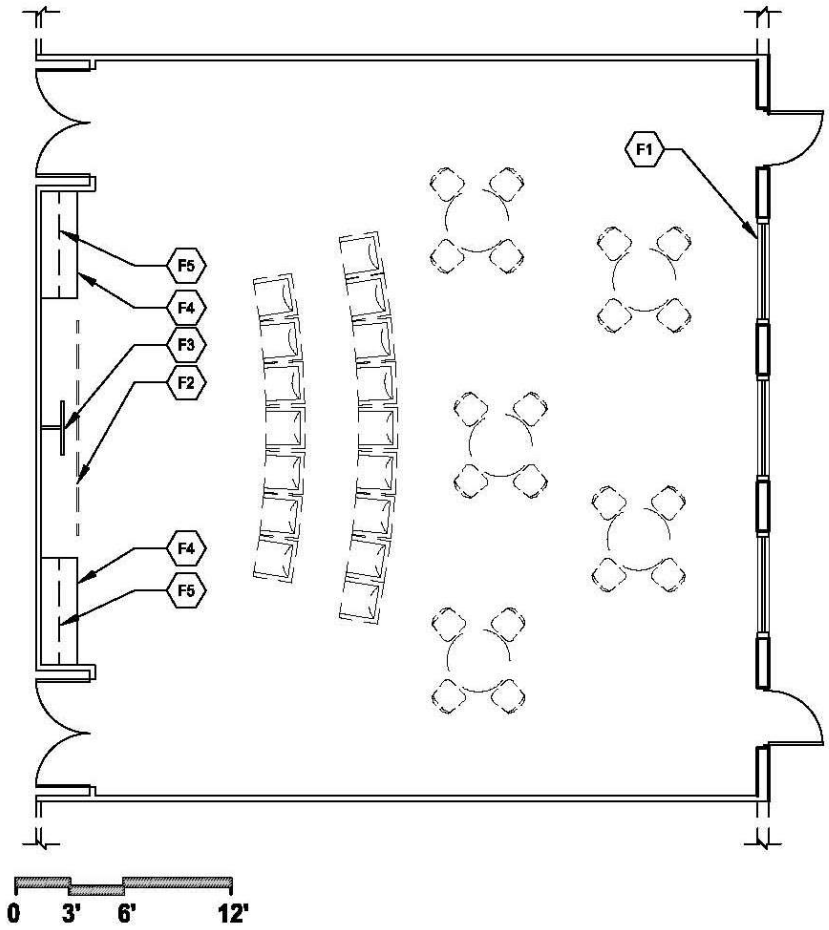
1. Adjacent to dorm rooms
2. Close relationship to all other dorm resident functions
3. Clearly visible to all dorm residents

Spatial Relationship Diagram

Intensive Residential Guidance Counseling Office



D-11 Living Room



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Configuration may change due to location and size requirements.

CAPACITY: N/A
SIZE: See *BIE Educational Space Criteria Handbook* for size requirements.

Key Notes:

F1 Windows/daylight into space required
F2 Overhead projection screen
F3 TV with wall mounting bracket
F4 Plastic laminate countertop and base cabinets with locks
F5 Plastic laminate upper cabinets with locks

BIA School Facilities	Living Room
Space Description	For square footages, see space template
1. Living room	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	Yes

Electrical/Lighting	
Lighting requirements:	
• Automatic lighting controls	Yes
• Area lighting in banks	Yes
• Multi-level switched	Yes
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Marker board	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Locks		Yes											
• Other													
Other furnishings/millwork/ equipment or requirements:													
•													

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
CATV outlet (coax + Cat 6)	Yes
Wireless access point outlet (2-port)	Reg. coverage
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Sheet vinyl	✓											
• Other												
Floors:												
• Carpet	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Other												
Ceilings:												
• Minimum ceiling height	10'											
• Gypsum board - painted	✓											
• Lay-in acoustical	✓											
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
Doors:												
• Wood	Yes											
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes											
• Exterior door required	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Occupancy limit	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

- Semi-recessed: Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Social gathering place and television lounge for residents

Notes

Electrical:

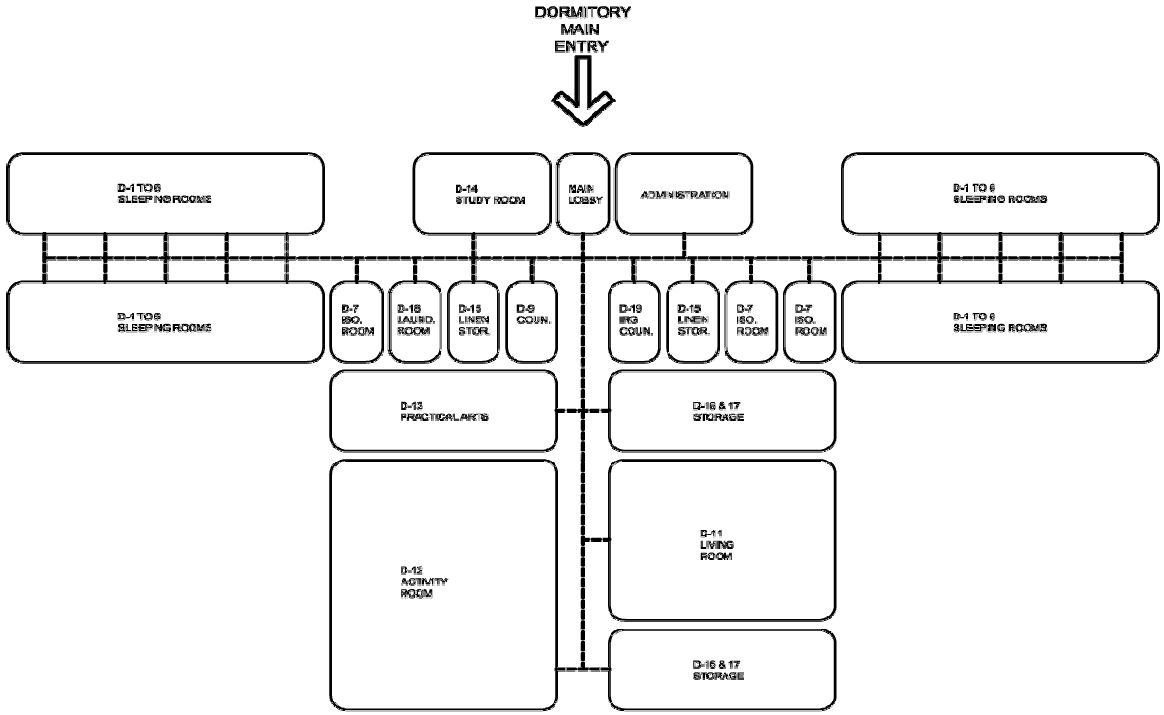
1. Provide automatic shut-off via building management system time clock.
2. Provide multi-level light switching.
3. Provide emergency light near doors.
4. Provide zone lighting control for audience and stage or video viewing areas.
5. Provide a receptacle mounted at +7'-0" for television.

Key Space Design and Relationship Concepts

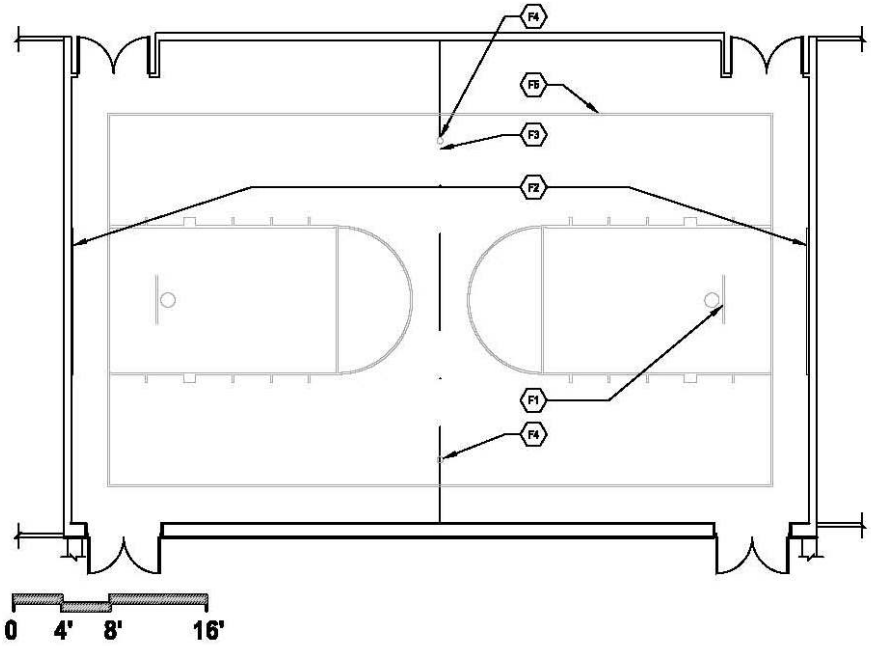
1. Centrally located to dorm rooms
2. Close relationship to all other dorm resident functions

Spatial Relationship Diagram

Living Room



D-12 Activity Room



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration may change due to location and size requirements.

CAPACITY: N/A
SIZE: Minimum 1,200 s.f. - See *BIE Educational Space Criteria Handbook* for size requirements.

Key Notes:

F1 Basketball goals
F2 Wall padding
F3 Center divider curtain
F4 Volleyball sleeves
F5 Basketball and volleyball court markings

BIA School Facilities	Activity Room
Space Description	For square footages, see space template
1. Activity room	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	Yes
Musical performance/singing/ cheering expected	Yes

Electrical/Lighting	
Lighting requirements:	
• Automatic lighting controls	Yes
• Multi-level switched	Yes
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Communications/IT Requirements	
Wireless access point outlet (2-port)	Req. coverage
Clock	Yes
Other communications/IT equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Other												
Other furnishings/millwork/ equipment or requirements:												
• Basketball goals	Yes											
• Wall padding	Yes											
• Center divider curtain	Yes											
• Volleyball sleeves	Yes											
• Basketball and volleyball court markings	Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Other												
Floors:												
• VCT	✓											
• Wood	✓											
• Fluid applied flooring system	✓											
• Other												
Ceilings:												
• Minimum ceiling height (clear height)	22'											
• Exposed to structure - painted	✓											
• Other												
Windows:												
• Windows/daylight into space (only if diffused daylight)	✓											
Doors:												
• Wood	Yes											
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes											
• Exterior door required	Yes											
• Special size	Yes											
• Other												

Structural Requirements	
Special suspended loading req.:	
• Basketball goals	Yes
Acoustical req. for structural system:	
• Consider acoustical sound block for walls (CMU)	Yes
• Consider acoustic roof deck	Yes
Other structural requirements:	
•	

Notes

Electrical:
1. Provide automatic shut-off via building management system time clock.
2. Provide multi-level light switching.
3. Provide emergency lighting for egress path.

Signage Requirements	
Room identification sign	Yes
Room number sign	Yes
Occupancy limit	Yes
Other signage requirements:	
•	

Key Space Design and Relationship Concepts

1. Centrally located to dorm rooms
2. Access to outdoor play area

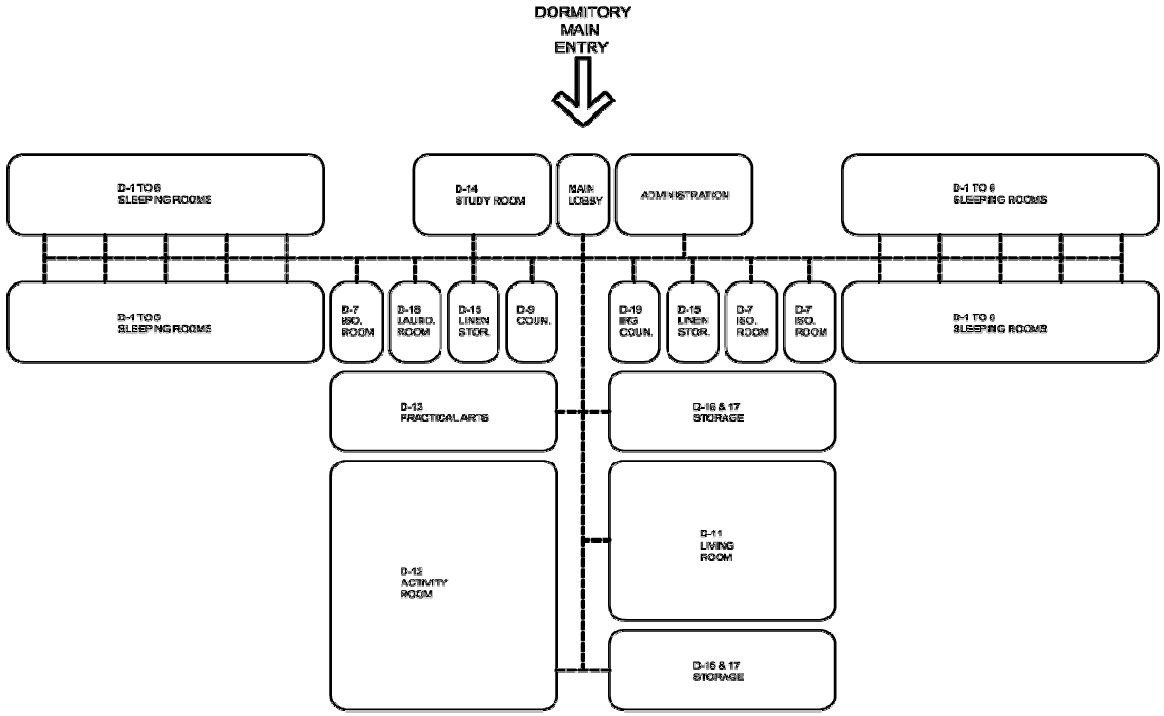
Fire Protection System	
Sprinklers:	
• Protection	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

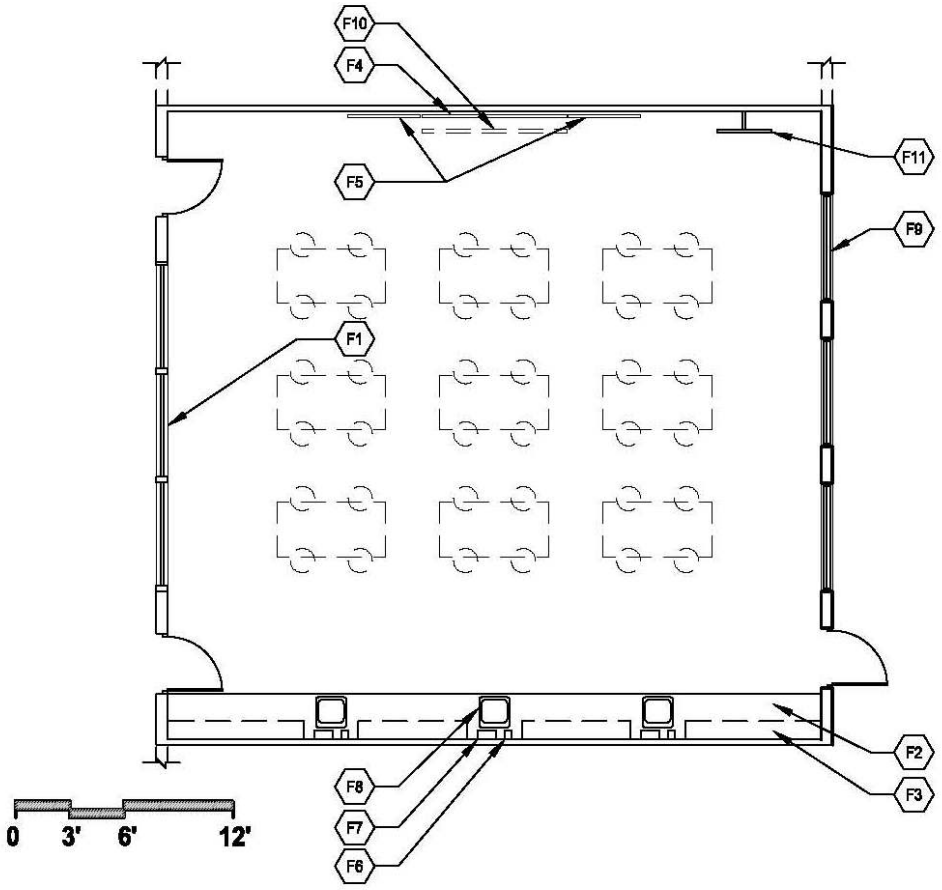
1. Multi-purpose space for active play, including basketball, inside games, etc.

Spatial Relationship Diagram

Activity Room



D-13 Practical Arts Room



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Configuration may change due to location and size requirements.

CAPACITY: N/A
SIZE: 1,250 s.f.

Key Notes:

F1 Interior windows
F2 Plastic laminate countertop and base cabinets with locks
F3 Plastic laminate upper cabinets with locks
F4 Whiteboard
F5 Tackboard
F6 Soap dispenser
F7 Paper towel dispenser
F8 Sink(s): specialty type: SS large, deep, single
F9 Windows/daylight into space required
F10 Overhead projection screen
F11 TV with wall mounting bracket

BIA School Facilities	Practical Arts Room
Space Description	For square footages, see space template
1. Practical arts room	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Lighting requirements:	
• Automatic lighting controls	Yes
• Direct/indirect lighting	Yes
• Multi-level switched	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (2-port) -standard	Yes
CATV outlet (coax + Cat 6)	Yes
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes
• Cold	Yes
Sinks: specialty type: SS large, deep, single	Yes
Other plumbing equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Whiteboard (8'-0")	Qty	1											
Tackboard (4'-0")	Qty	2											
Overhead projection screen	Qty	1											
TV with wall mounting bracket	Qty	1											
Casework:													
• Plastic laminate base cabinets		Yes											
• Plastic laminate countertops		Yes											
• Plastic laminate upper cabinets		Yes											
• Locks		Yes											
• Other													
Other furnishings/millwork/ equipment or requirements:													
• Soap dispenser		Yes											
• Paper towel dispenser		Yes											

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• CMU - ground face, integral color	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Other												
Floors:												
• VCT	✓											
• Sheet vinyl	✓											
• Sealed concrete	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'0"											
• Exposed to structure - painted	✓											
• Lay-in acoustical	✓											
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	Yes											
• Hollow metal (exterior)	Yes											
• With glazed lites	Yes											
• Exterior door required	Yes											
• Other												

Structural Requirements

Special suspended loading requirements:	
• Coordinate Unistrut hanging system from underside of structure	Yes
Consider acoustic roof deck if no ceiling is provided	Yes
Other structural requirements:	
•	

Signage Requirements

Room identification sign	Yes
Room number sign	Yes
Other signage requirements:	
•	

Fire Protection System

Sprinklers:	
• Semi-recessed	Yes
Other fire protection equipment or requirements:	
•	

Program Activities

1. Arts and crafts

Notes

Electrical:
1. Provide automatic shut-off via building management system time clock.
2. Provide multi-level light switching.
3. Provide direct/indirect lighting system.
4. Provide a receptacle mounted at +7'-0" for television.

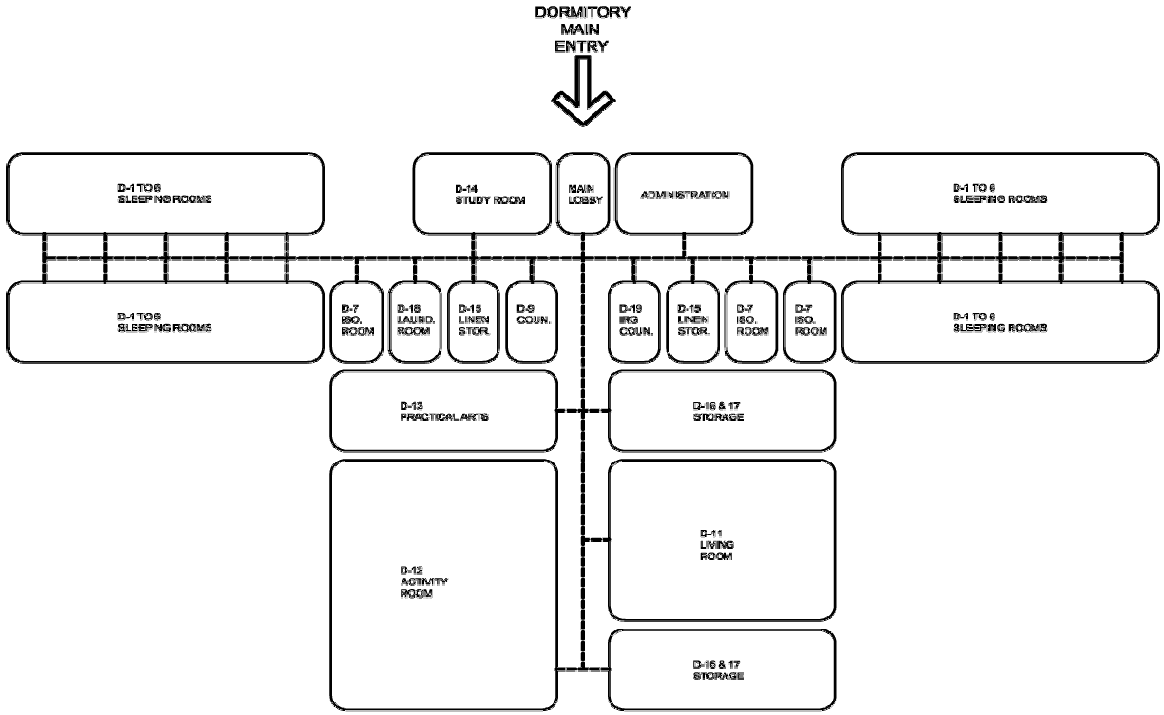
Fire Protection:
1. Provide semi-recessed heads for spaces with ceilings.

Key Space Design and Relationship Concepts

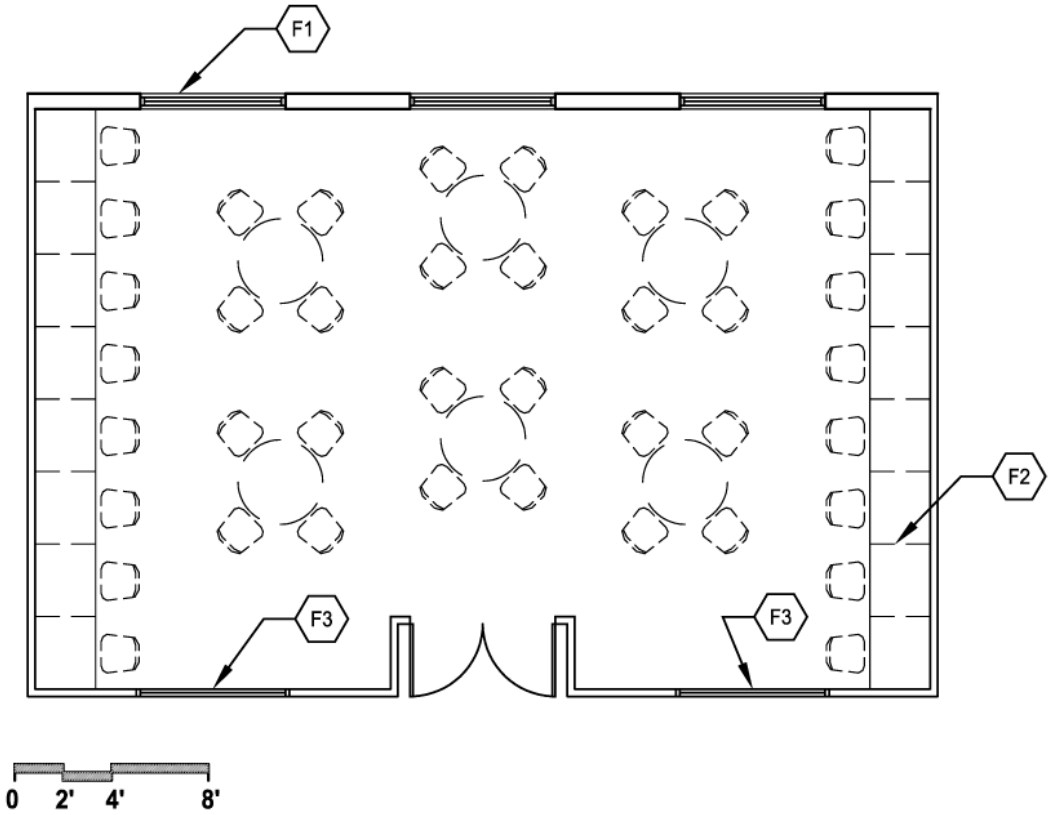
1. Centrally located to dorm rooms
2. Adjacent to other resident activity spaces
3. Access to outdoors

Spatial Relationship Diagram

Practical Arts Room



D-14 Study Room



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Loose furnishings shown represent one of many possible arrangements.
2. Exterior window locations may be modified.
3. Configuration may change due to location and size requirements.
4. Provide handicapped accessible computer stations as required by code.

CAPACITY: N/A
SIZE: See *BIE Educational Space Criteria Handbook* for size requirements.

Key Notes:

F1 Windows/daylight into space required
F2 Plastic laminate countertop for computer workstations
F3 Interior windows

BIA School Facilities	Study Room
Space Description	For square footages, see space template
1. Study room	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	Yes
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Power outlet minimum number	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
• Direct/indirect lighting	Yes
• Multi-level switched	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Communication outlet (1-port per computer station)	Yes
Wireless access point outlet (2-port)	Req. coverage
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Plastic laminate countertops	Yes											
• Other												
Other furnishings/millwork/ equipment or requirements:												
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Sheet vinyl	✓											
• Other												
Floors:												
• Carpet	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Sealed concrete	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'0"											
• Lay-in acoustical	✓											
• Other												
Windows:												
• Windows/daylight into space required	Yes											
• Operable window required	Yes											
• Interior borrowed light window	Yes											
Doors:												
• Wood	Yes											
• With glazed lites	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Student individual or group study.
2. Computer stations not to exceed 1/9th of the total student design capacity.

Notes

Electrical:

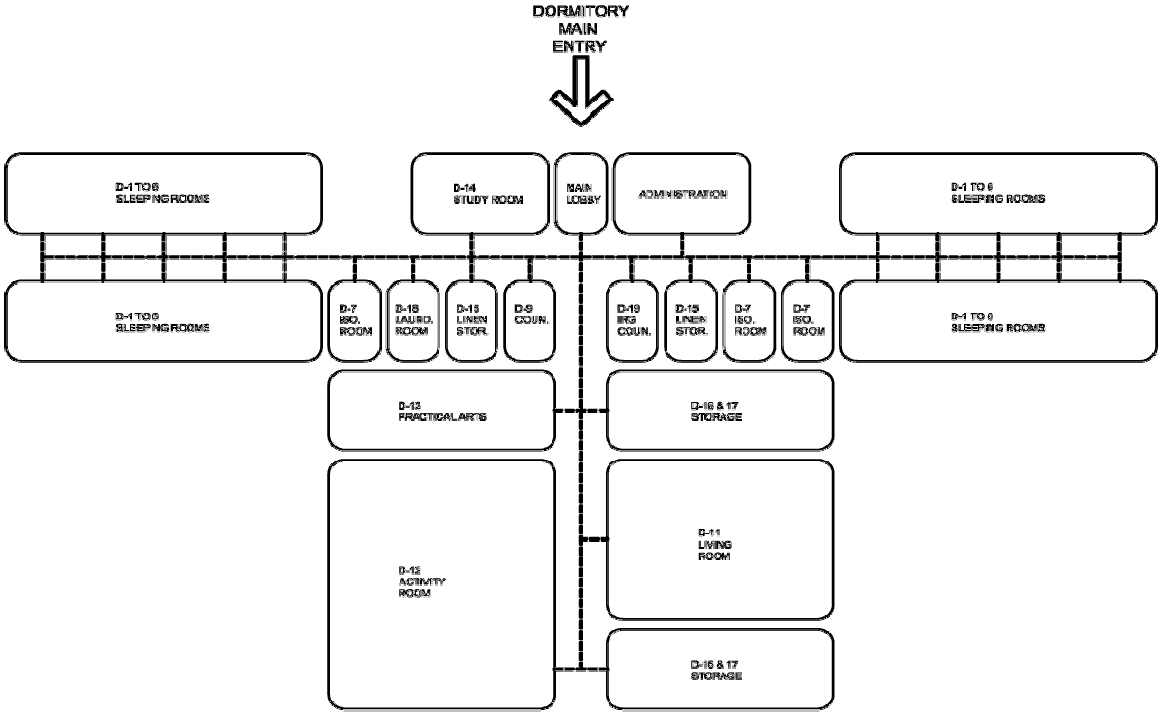
1. Provide automatic shut-off via building management system time clock.
2. Provide multi-level light switching.
3. Provide direct/indirect lighting.
4. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.

Key Space Design and Relationship Concepts

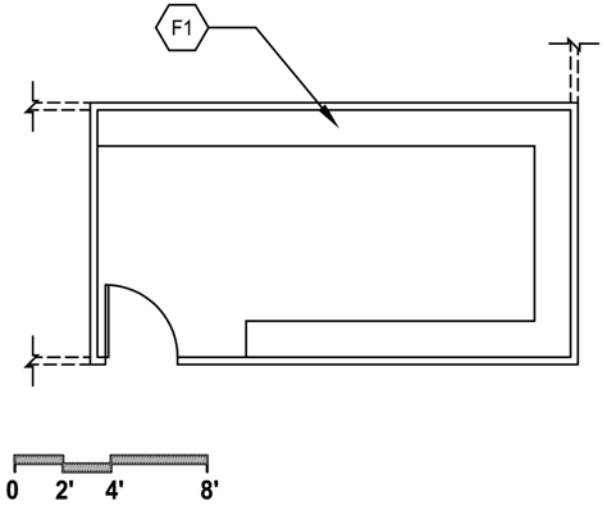
1. Centrally located to dorm rooms.
2. Space can be broken into several individual spaces to serve each dorm wing.
3. Quiet area.

Spatial Relationship Diagram

Study Room



D-15 Linen Storage



1 FLOOR PLAN
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration may change due to location and size requirements.
2. Shelving layout may be modified

CAPACITY: N/A
SIZE: See *BIE Educational Space Criteria Handbook* for size requirements.

Key Notes:

F1 16” deep adjustable plastic laminate shelving

BIA School Facilities	Linen Storage
Space Description	For square footages, see space template
1. Linen storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Other HVAC equipment or requirements:	
•	

Plumbing

Other plumbing equipment or requirements:	
•	

Communications/IT Requirements

Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• 16" deep plastic laminate shelving	Yes											
• Other												
Other furnishings/millwork/ equipment or requirements:												
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Sheet vinyl	✓											
• Other												
Floors:												
• Carpet	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Sealed concrete	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'0"											
• Exposed to structure - painted	✓											
• Gypsum board - painted	✓											
• Lay-in acoustical	✓											
• Other												
Doors:												
• Wood	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes
• Protection	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Bulk storage of resident linen supplies

Notes

Electrical:

1. Provide wall switch type occupancy sensor.

Fire Protection:

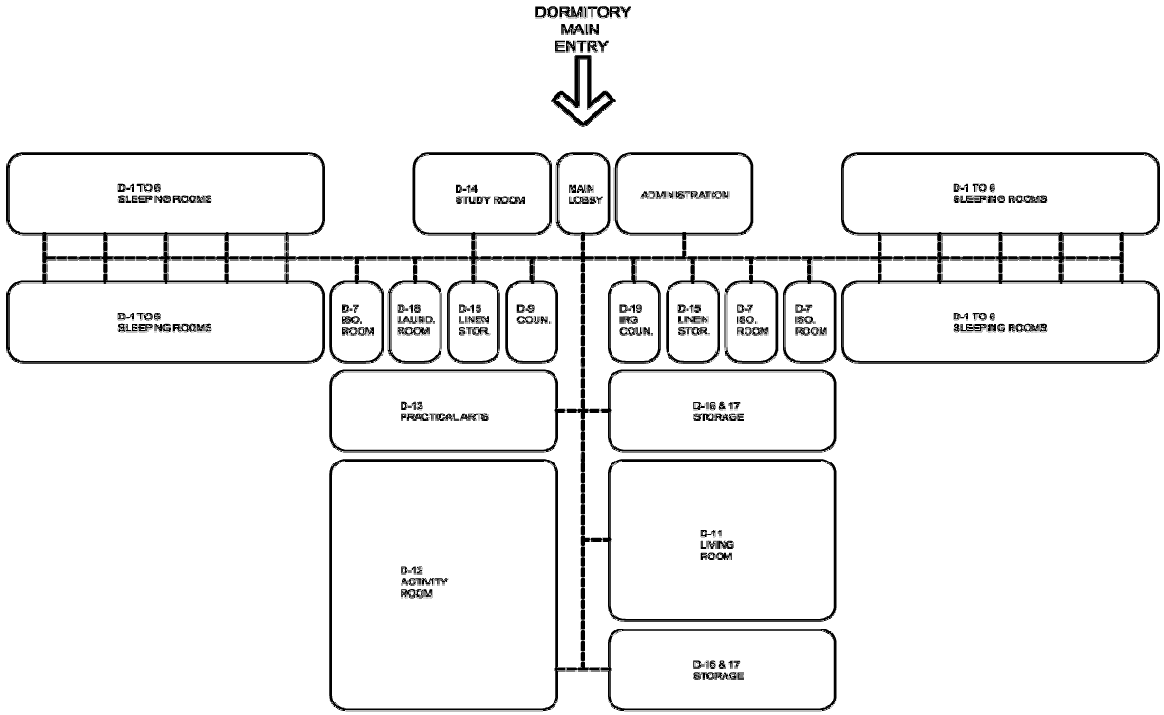
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide protected exposed heads.

Key Space Design and Relationship Concepts

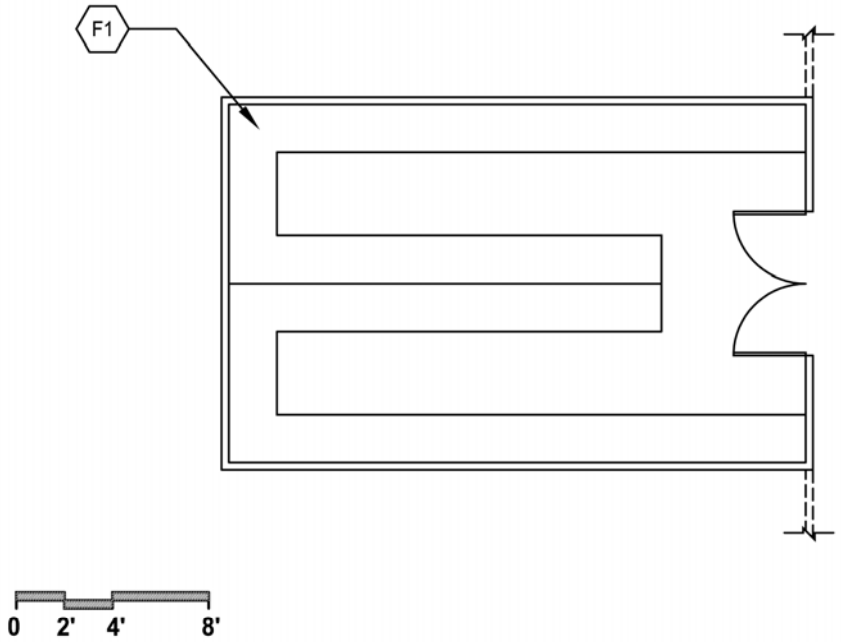
1. Centrally located to dorm rooms.
2. Space can be broken into several individual spaces to serve each dorm wing.

Spatial Relationship Diagram

Linen Storage



D-16 General Storage



Notes:

1. Configuration may change due to location and size requirements.
2. Shelving layout may be modified
3. Configuration shall provide wheelchair maneuvering and turning clearances.

CAPACITY: N/A
SIZE: See *BIE Educational Space Criteria Handbook* for size requirements.

Key Notes:

F1 16” deep adjustable plastic laminate shelving

1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

BIA School Facilities	General Storage
Space Description	For square footages, see space template
1. General storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Plumbing

Other plumbing equipment or requirements:	
•	

Communications/IT Requirements

Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• 16" deep plastic laminate shelving	Yes											
• Other												
Other furnishings/millwork/ equipment or requirements:												
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Sheet vinyl	✓											
• Other												
Floors:												
• Carpet	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Sealed concrete	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'0"											
• Exposed to structure - painted	✓											
• Gypsum board - painted	✓											
• Lay-in acoustical	✓											
• Other												
Doors:												
• Wood	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes
• Protection	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Bulk storage of dorm furniture and supplies

Notes

Electrical:

1. Provide wall switch type occupancy sensor.

Fire Protection:

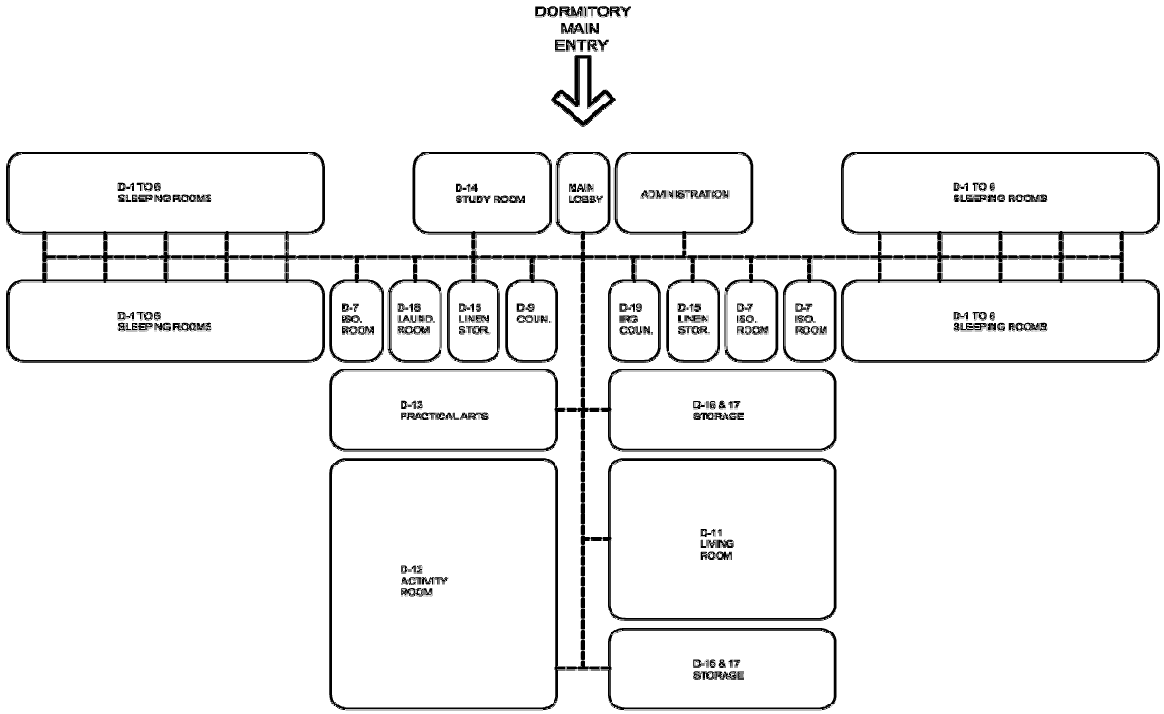
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide protected exposed heads.

Key Space Design and Relationship Concepts

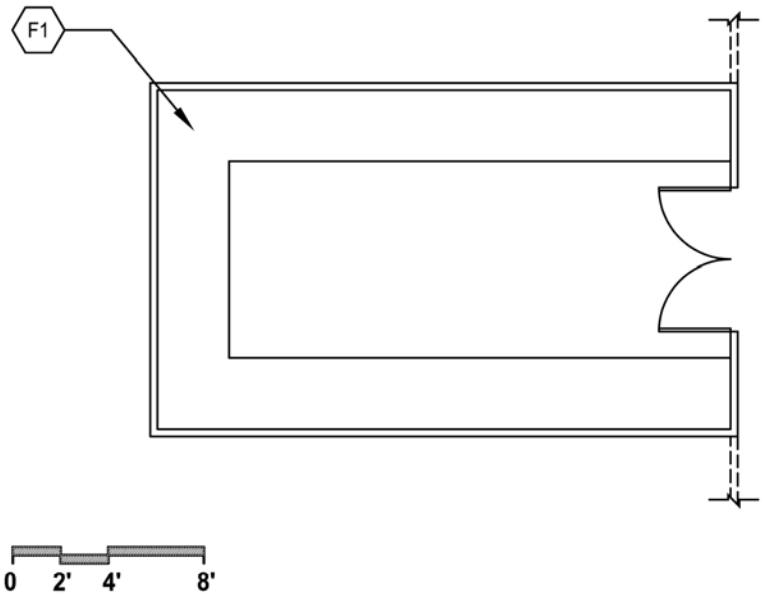
1. Centrally located to dorm rooms.
2. Space can be broken into several individual spaces to serve each dorm wing.

Spatial Relationship Diagram

General Storage



D-17 Trunk Storage



1 FLOOR PLAN
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration may change due to location and size requirements.
2. Shelving layout may be modified

CAPACITY: N/A
SIZE: See *BIE Ed. Space Criteria Handbook* for size requirements.

Key Notes:

F1 Metal shelving

BIA School Facilities	Trunk Storage
Space Description	For square footages, see space template
1. Trunk storage	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Metal shelving	Yes											
• Other												
Other furnishings/millwork/ equipment or requirements:												
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Sheet vinyl	✓											
• Other												
Floors:												
• Carpet	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Sealed concrete	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'0"											
• Exposed to structure - painted	✓											
• Gypsum board - painted	✓											
• Lay-in acoustical	✓											
• Other												
Doors:												
• Wood	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes
• Protection	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Bulk storage of student trunks and luggage

Notes

Electrical:

1. Provide wall switch type occupancy sensor.

Fire Protection:

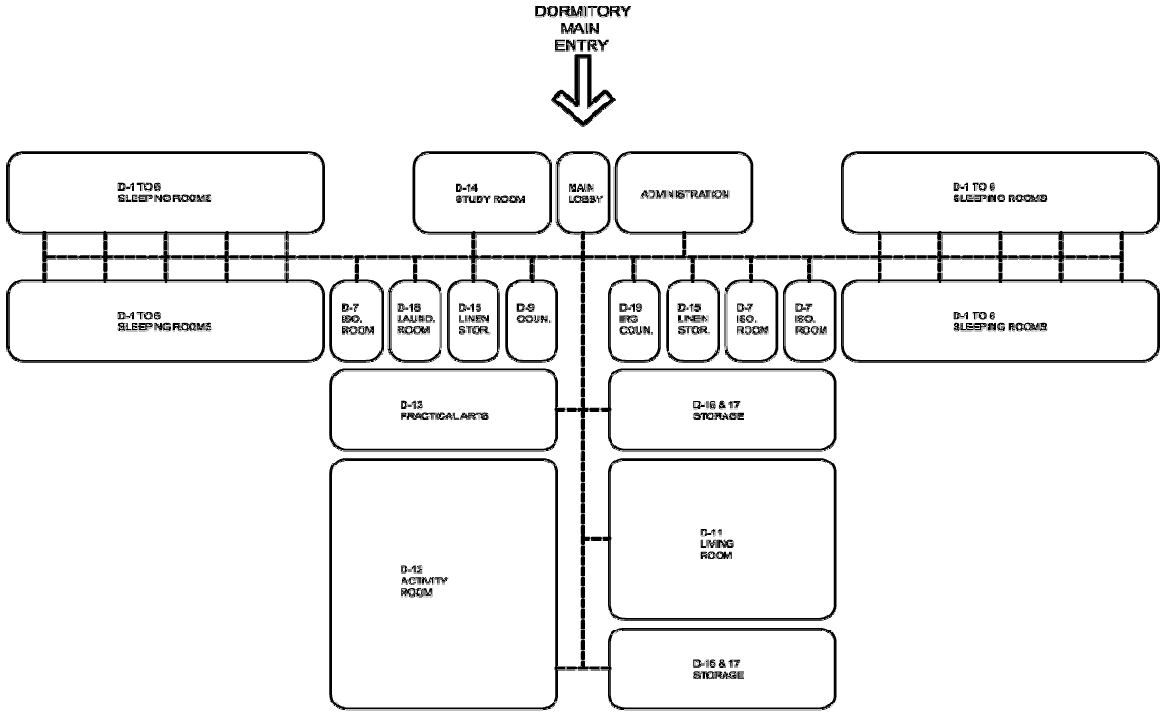
1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide protected exposed heads.

Key Space Design and Relationship Concepts

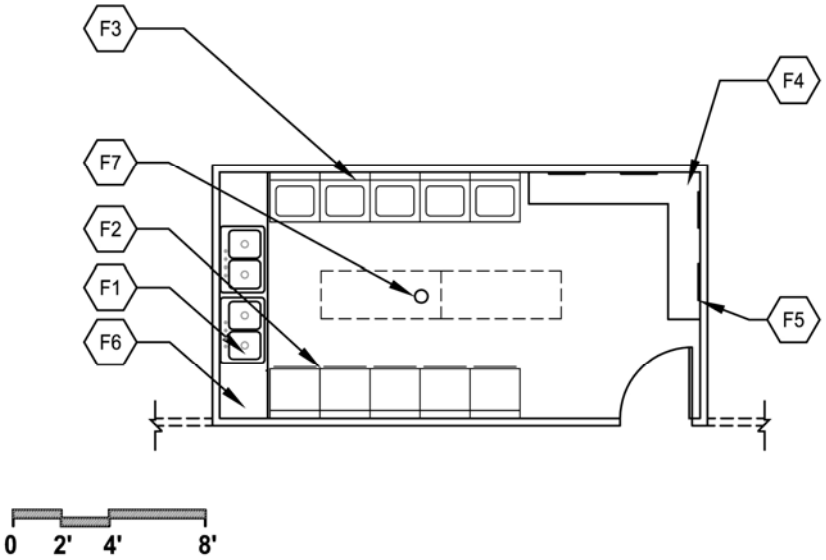
1. Centrally located to dorm rooms.
2. Space can be broken into several individual spaces to serve each dorm wing.

Spatial Relationship Diagram

Trunk Storage



D-18 Laundry and Ironing Room



1 **FLOOR PLAN**
ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration may change due to location and size requirements.
2. Shelving layout may be modified.
3. Configuration shall provide wheelchair maneuvering and turning clearances.

CAPACITY: N/A
SIZE: See *BIE Educational Space Criteria Handbook* for size requirements.

Key Notes:

F1 Sink(s): specialty type: SS large, deep, dual
F2 Dryers
F3 Washers
F4 16” deep adjustable shelving
F5 Ironing boards, wall mounted
F6 Plastic laminate countertop
F7 Floor drain

BIA School Facilities	Laundry and Ironing Room

Space Description — For square footages, see space template

1. Laundry and ironing room

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions

Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting

Specialty outlets/dedicated circuit	Yes
Lighting requirements:	
• Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use

9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions

Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Plumbing

Domestic water:	
• Hot	Yes
• Cold	Yes
Floor drain	Yes
Sinks: specialty type: SS large, deep, dual	Yes
Washer connection and drain	Yes
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements

Other communications/IT equipment or requirements:	
•	

Safety/Security

Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Plastic laminate countertops	Yes											
• 16" deep adjustable shelving	Yes											
• Other												
Other furnishings/millwork/ equipment or requirements:												
• Washers	Yes											
• Dryers	Yes											
• Ironing boards - wall mounted	Yes											
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• Standard gypsum board - painted or vinyl covered	✓											
• Other												
Base:												
• Resilient rubber	✓											
• Ceramic tile	✓											
• Quarry tile	✓											
• Sheet vinyl	✓											
• Fluid applied flooring system	✓											
• Other												
Floors:												
• Ceramic tile	✓											
• Quarry tile	✓											
• VCT	✓											
• Sheet vinyl	✓											
• Sealed concrete	✓											
• Fluid applied flooring system	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'0"											
• Gypsum board - painted	✓											
• Lay-in acoustical	✓											
• Other												
Doors:												
• Wood	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Notes

Electrical:

1. Provide automatic shut-off via building management system time clock.
2. Provide a minimum of three dedicated above-counter receptacles.
3. Provide dedicated power to indicated equipment.

Key Space Design and Relationship Concepts

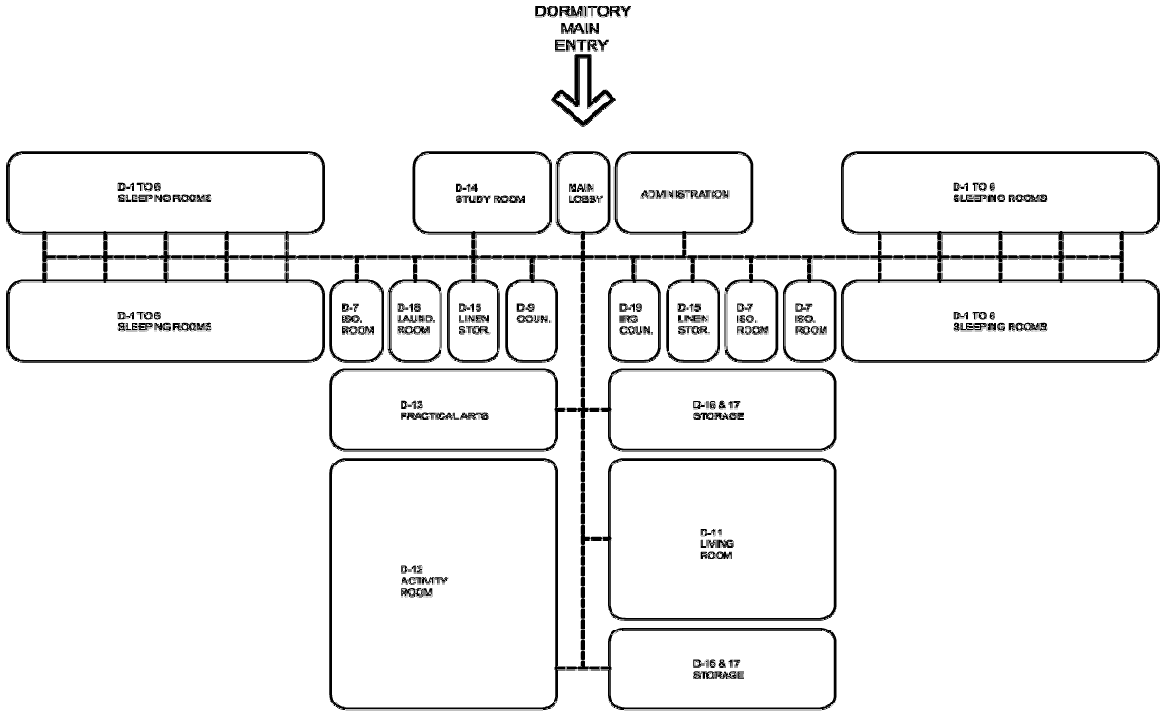
1. Centrally located to dorm rooms.
2. Space can be broken into several individual spaces to serve each dorm wing.

Program Activities

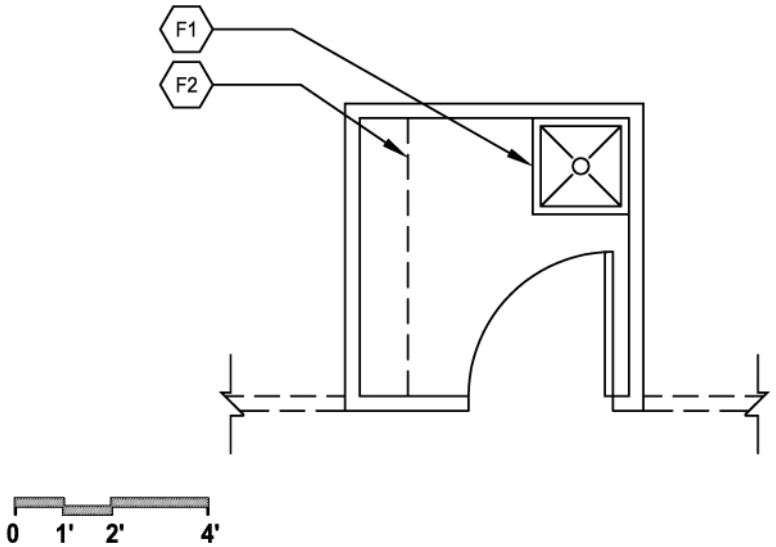
1. Space for students and staff to do laundry and ironing.
2. Provide a double laundry sink and ironing board for every two sets of washers and dryers. Provide one washer and dryer for every 40 students.

Spatial Relationship Diagram

Laundry and Ironing Room



D-19 Custodial Closets



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Configuration of room may be modified.

CAPACITY: N/A
SIZE: See *BIE Educational Space Criteria Handbook* for size requirements.

Key Notes:

F1 Custodial mop sink
F2 16” deep adjustable shelving

BIA School Facilities	Custodial Closets
Space Description	For square footages, see space template
1. Custodial closet	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Lighting requirements:	
● Automatic lighting controls	Yes
Other electrical/lighting equipment or requirements:	
●	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
● 16" deep adjustable shelving	Yes											
● Other												
Other furnishings/millwork/ equipment or requirements:												
● Mop holder w/shelf	Yes											

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
● Negative	Yes
Other HVAC equipment or requirements:	
●	

Plumbing	
Domestic water:	
● Hot	Yes
● Cold	Yes
Floor drain	Yes
Sink(s): custodial mop sink	Yes
Other plumbing equipment or requirements:	
●	

Communications/IT Requirements	
Other communications/IT equipment or requirements:	
●	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
●	

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
● CMU - painted	✓											
● Standard gypsum board - painted or vinyl covered	✓											
● Ceramic tile	✓											
● FRP	✓											
● Other												
Base:												
● Resilient rubber	✓											
● Ceramic tile	✓											
● Quarry tile	✓											
● Sheet vinyl	✓											
● Other												
Floors:												
● Ceramic tile	✓											
● Quarry tile	✓											
● VCT	✓											
● Sheet vinyl	✓											
● Sealed concrete	✓											
● Other												
Ceilings:												
● Minimum ceiling height	9'0"											
● Exposed to structure - painted	✓											
● Gypsum board - painted	✓											
● Other												
Doors:												
● Wood	Yes											
● Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes
• Protection	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Space for storage of custodial supplies throughout the building

Notes

Electrical:

1. Provide wall switch type occupancy sensor.

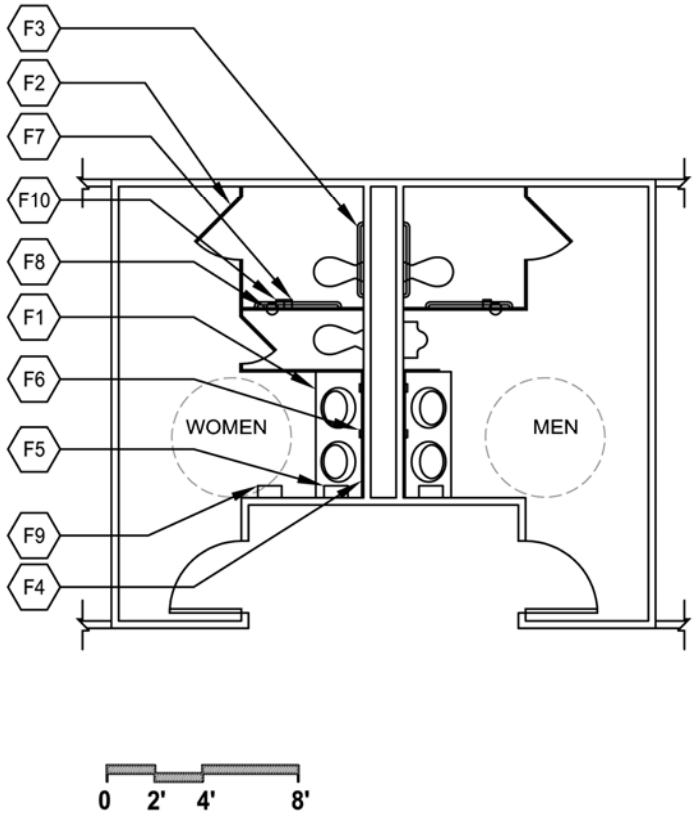
Fire Protection:

1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide protected exposed heads.

Key Space Design and Relationship Concepts

1. One within each residential wing
2. One adjacent to residential common areas

D-20 Public Restrooms



1 **FLOOR PLAN**

ARCHITECTURAL AND INTERIORS KEY NOTES

Notes:

1. Required number of plumbing fixtures and type and size of accessible toilet compartments to be per code.

CAPACITY:	N/A	
SIZE:	Men's Restroom	125 s.f.
	Women's Restroom	125 s.f.

Key Notes:

F1 Solid plastic countertops
F2 Toilet partitions
F3 Grab bars
F4 Mirror
F5 Paper towel dispenser
F6 Soap dispenser
F7 Toilet paper dispenser
F8 Floor drain
F9 Sanitary napkin dispenser
F10 Sanitary napkin receptacle

BIA School Facilities	Public Restrooms
Space Description	For square footages, see space template
1. Public restroom	

"Yes" and "No" apply to all spaces
refers to Space Description designation
✓ indicates approved feature, system, or material

Acoustical Conditions	
Speech privacy	No
Special acoustical treatment needed	No
Musical performance/singing/ cheering expected	No

Electrical/Lighting	
Lighting requirements:	
• Automatic lighting controls	Yes
• Emergency lighting	Yes
Other electrical/lighting equipment or requirements:	
•	

Daily Occupancy Use	
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes
After-hours use	Yes

Environmental Conditions	
Air pressure (balanced is assumed):	
• Negative	Yes
Other HVAC equipment or requirements:	
•	

Plumbing	
Domestic water:	
• Hot	Yes
• Cold	Yes
Floor drain	Yes
Drinking fountain	Yes
Bubbler	Yes
Other plumbing equipment or requirements:	
•	

Communications/IT Requirements	
Other communications/IT equipment or requirements:	
•	

Safety/Security	
Nonmaster locks	
Intrusion alarm system	
Access control	
Other safety/security equipment or requirements:	
•	

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
• Solid plastic countertops	Yes											
• Other												
Other furnishings/millwork/ equipment or requirements:												
• Toilet partitions	Yes											
• Grab bars	Yes											
• Mirror	Yes											
• Paper towel dispenser	Yes											
• Soap dispenser	Yes											
• Toilet paper dispenser	Yes											
• Sanitary napkin dispenser	Yes											
• Sanitary napkin receptacle	Yes											
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
• CMU - painted	✓											
• Impact-resistant gypsum board - painted or vinyl covered	✓											
• Ceramic tile	✓											
• Other												
Base:												
• Ceramic tile	✓											
• Quarry tile	✓											
• Fluid applied flooring system	✓											
• Other												
Floors:												
• Ceramic tile	✓											
• Quarry tile	✓											
• Sheet vinyl	✓											
• Fluid applied flooring system	✓											
• Other												
Ceilings:												
• Minimum ceiling height	9'-0"											
• Gypsum board - painted	✓											
• Other												
Doors:												
• Wood	Yes											
• Other												

Structural Requirements

Other structural requirements:

-

Signage Requirements

Room identification sign	Yes
Room number sign	Yes

Other signage requirements:

-

Fire Protection System

Sprinklers:

• Semi-recessed	Yes

Other fire protection equipment or requirements:

-

Program Activities

1. Personal and health needs for students, staff, and visitors

Notes

Electrical:

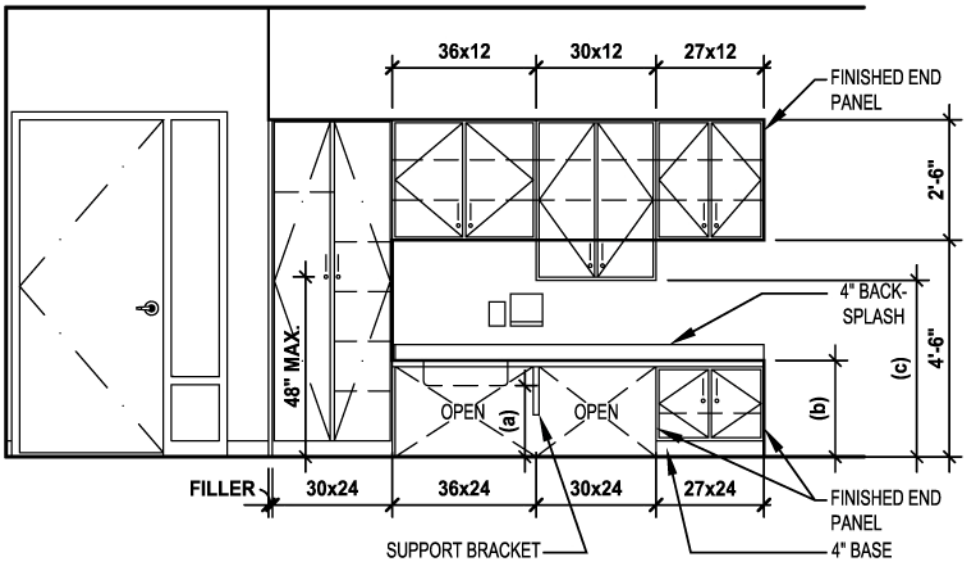
1. Provide wall switch type occupancy sensor.
2. Provide emergency light near door(s).

Plumbing:

1. Provide either a drinking fountain or a bubbler, depending on site location requirements.

Key Space Design and Relationship Concepts

1. Near resident common area



1 CASEWORK ELEVATION
1/4" = 1'-0"

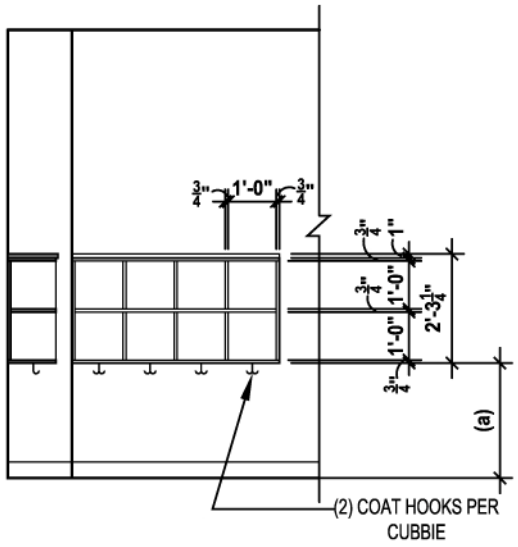
ACCESSIBILITY REQUIREMENTS

Age (years)	(a)	(b)	(c)
3–5	-	26” to 30”	-
6–12	24” min.	26” to 30”	-
13 & up	27” min.	28” to 34”	Adult Reach Range

(A 30” maximum high work surface with 27” minimum high knee space is suggested for “dual” adult/children applications.)

Notes:

1. Parallel approach (no knee space) is permitted for ages 3–5.
2. Work surface knee space may be “adaptable” at other than common use, or student applications.
3. Work surface and knee space is required adjacent to an oven in accessible space.

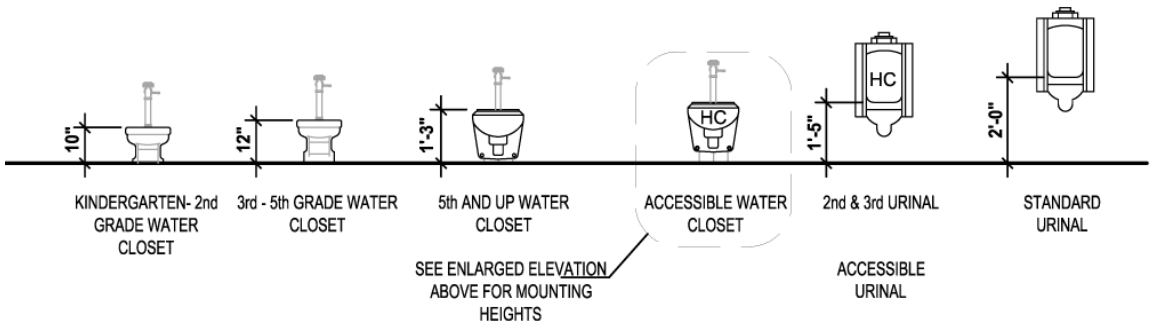


1 CASEWORK ELEVATION
1/4" = 1'-0"

Notes:

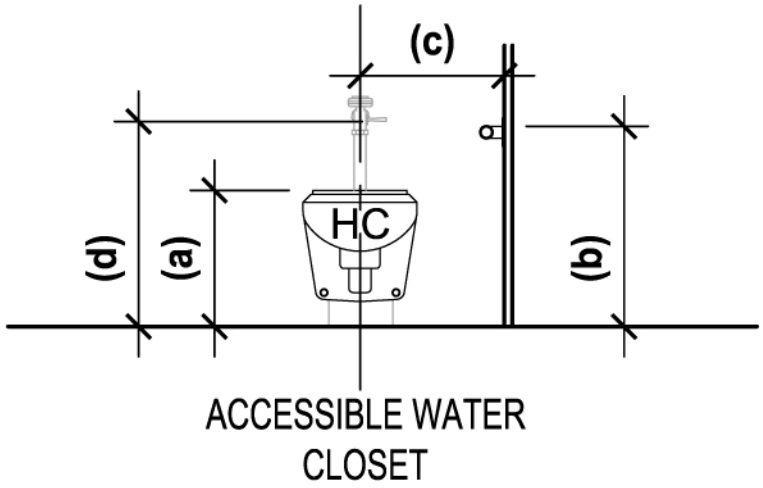
1. Dimension (a), accessible reach ranges to top of lowest shelf:

Ages 3–4:	36 inches maximum
Ages 5–8:	40 inches maximum
Ages 9–12:	44 inches maximum



1 STANDARD AND ACCESSIBLE MOUNTING HEIGHTS

1/4" = 1'-0"



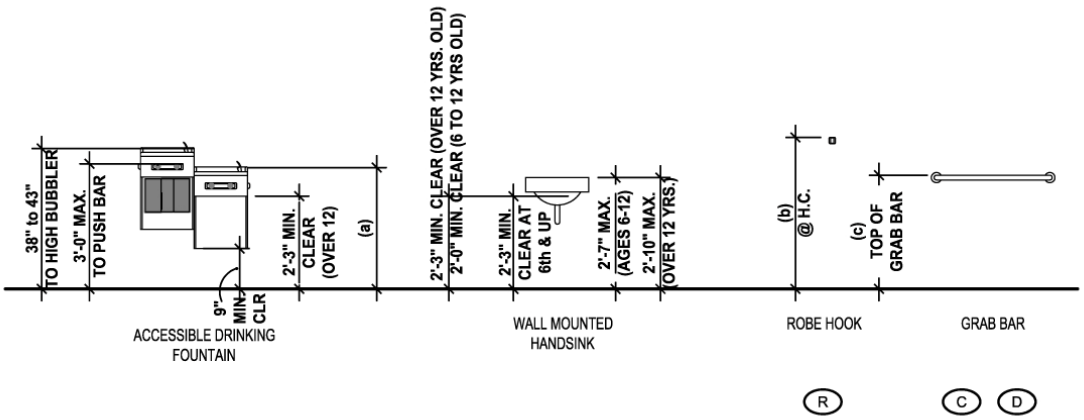
ACCESSIBILITY REQUIREMENTS AT TOILET COMPARTMENTS

Age (years)	(a)	(b)	(c)	(d)
3–4	11” to 12”	18” to 20”	12”	36” maximum
5–8	12” to 15”	20” to 25”	12” to 15”	36” maximum
9–12	15” to 17”	25” to 27”	15” to 18”	36” maximum
Over 12	17” to 19”	33” to 36”	16” to 18”	-

*Centerline dimension (c), for ambulatory toilet compartments (all ages) is 17” to 19”

Notes:

1. Dimension (a) is top of seat
2. Can use a single water closet for two age groups when dimensions are common between them.
3. Need two (2) sets of grab bars when combining “9–12” and “over 12.”



1 ACCESSIBLE MOUNTING HEIGHTS
1/4" = 1'-0"

ACCESSIBILITY REQUIREMENTS

Dimension (a), maximum spout height for accessible drinking fountains:

12 years old and less:	30 inches
Over 12 years old:	36 inches

Dimension (b), accessible maximum robe hook height:

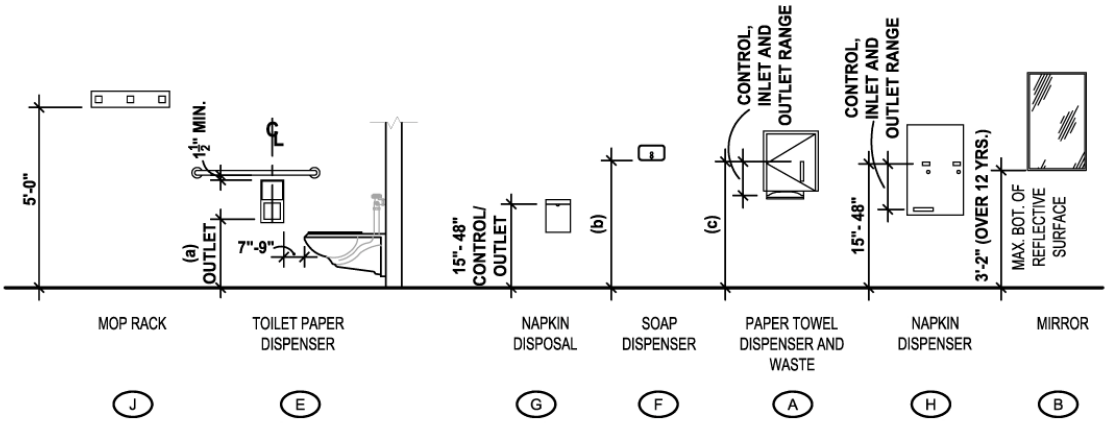
Ages 3 and 4:	36 inches
Ages 5–8:	40 inches
Ages 9–12:	44 inches
Over 12 years:	48 inches

Dimension (c), top of grab bar above finished floor:

Ages 3 and 4:	18” to 20”
Ages 5–8:	20” to 25”
Ages 9–12:	25” to 27”
Over 12 years:	33” to 36”

Notes:

1. When children are the primary users of a space, three accessible drinking fountain spout heights are required to serve the children and adults present. For children (ages 3–12 years), a drinking fountain with parallel approach (no knee space) is allowed when spout is 30” maximum above finished floor and 3½” maximum from front edge of unit, including bumpers.
2. Children 5 years and younger are permitted to use a parallel approach (no knee space) at the accessible sink.



1 ACCESSIBLE MOUNTING HEIGHTS
1/4" = 1'-0"

ACCESSIBILITY REQUIREMENTS

Dimension (a), accessible toilet paper dispenser height:

12 years old and less:	14” to 19”
Over 12 years old:	15” to 48”

Dimension (c), maximum accessible towel dispenser and waste height:

Ages 3 and 4:	36 inches
Ages 5–8:	40 inches
Ages 9–12:	44 inches
Over 12 years:	48 inches

Notes:

1. As applicable, vertical dimensions reflect outlet, inlet, and control height.
2. The bottom edge of mirror reflective surface children’s (ages 3–12) lavatories is to be mounted as low as possible, as coordinated with back splash and faucet handles.