# **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.

**Chapter A1: School Facilities Spatial Layout Criteria** 

- **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.

#### Chapter A1: School Facilities Spatial Layout Criteria

**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.























### ISC-1 Kindergarten Classroom



#### Notes:

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

CAPACITY: SIZE:	20 students 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
|   |   |   |               |   |               |                                 | <b></b>       |         | <u></u>   | 40         |
|---|---|---|---------------|---|---------------|---------------------------------|---------------|---------|-----------|------------|
| BIA School Facilities Kinder            | garten Classroom                        | "Yes" and "No" apply to all spaces<br># refers to Space Description designation |               | Fixed Furnishings/Equipment<br>Whiteboard (8'-0") Q                                       |               |                                 |               | 5 #6 #7 |           |            |
| Current Description                     | <b>-</b>                                |   |               |   | $\frac{2}{2}$ |                                 |               |         |           |            |
|   | For square footages, see space template | ✓ indicates approved feature, system, of  | or material   | Tackboard (4'-0")QOverhead projection screenQ   | $\frac{2}{1}$ |                                 |               |         |           |            |
| 1. Kindergarten classroom               | see share rempiate                      | Acoustical Conditions   |               | TV with wall mounting bracket   | <u> xiy i</u> |                                 |               |         |           |            |
| 2. Student restroom                     |   | Speech privacy  | No            | •   | Qty 1         |                                 |               |         |           |            |
| 3. Storage area                         |   | Special acoustical treatment needed   | No            | Casework:   | 2ty <u> </u>  |                                 |               |         |           |            |
| 5. Storage area                         |   | Musical performance/singing/  | INU           | <ul> <li>Plastic laminate base cabinets</li> </ul>  | Yes           |                                 |               |         |           |            |
|   |   | cheering expected   | No            | <ul> <li>Plastic laminate base cabinets</li> <li>Plastic laminate countertops</li> </ul>  | Yes           |                                 |               |         |           |            |
|   |   | cheening expected   | INU           | <ul> <li>Plastic laminate countertops</li> <li>Plastic laminate upper cabinets</li> </ul> | Yes           | —                               |               |         |           |            |
|   |   | Electrical/Lighting   |               | Tall wardrobe cabinet   | Yes           | —                               |               |         |           |            |
|   |   | Power outlet minimum number   | Yes in #1     | <ul> <li>Student storage cubbies</li> </ul>   | Yes           |                                 |               |         |           |            |
|   |   | Lighting requirements:  | Tes III #1    | Locks   | Yes           |                                 |               |         |           |            |
|   |   | Automatic lighting controls   | Yes in #1     | <ul> <li>16" deep adjustable shelving</li> </ul>  | Tes           |                                 | Yes           |         |           |            |
|   |   | Automatic lighting controls     Direct/indirect lighting                        | Yes in #1     | • To deep adjustable sherving<br>Other furnishings/millwork/                              |               |                                 | res           |         |           |            |
|   |   | Multi-level switched  |               |   |               |                                 |               |         |           |            |
|   |   |   | Yes in #1     | equipment or requirements:  | Va-           | Vac                             |               |         |           |            |
|   |   | Safety receptacles  | Yes in #1,2   | Soap dispenser  | Yes<br>Yes    |                                 |               |         |           |            |
|   |   | Other electrical/lighting equipment   |               | <ul> <li>Paper towel dispenser</li> </ul>   | res           | res                             |               |         |           |            |
| Daily Occupancy Use                     |   | or requirements:  |               |   |               |                                 |               |         |           |            |
| 9.5 hrs. (7:30 a.m.–5:00 p.m.)          | Vee                                     | •   |               |   |               |                                 | #0 # <b>1</b> |         | <i>""</i> | 40 444 440 |
| five days a week                        | Yes                                     |   |               | Interior Finishes   | #1            | #2                              | #3 #4 #       | 5 #6 #7 | #8 #9 #   | 10 #11 #12 |
| After-hours use                         | No                                      | Communications/IT Requirements  | Veelin #4     | Walls:  | /             |                                 | /             |         |           |            |
|   |   | Communication outlet (4-port) - teacher   | Yes in #1     | CMU - painted     CMU - ground face, integral color                                       | <u> </u>      | $\frac{\checkmark}{\checkmark}$ | <u> </u>      |         |           |            |
| Environmental Conditions                |   | Communication outlet (1-port per  |               | CMU - ground face, integral color   | ×             | <u> </u>                        | <u> </u>      |         |           |            |
| Air pressure (balanced is assumed):     |   | computer station)   | Yes in #1     | <ul> <li>Standard gypsum board - painted</li> </ul>                                       | /             | /                               | /             |         |           |            |
| Negative                                | Yes in #2,3                             | CATV outlet (coax + Cat 6)  | Yes in #1     | or vinyl covered  | ~             | ✓                               | ✓             | ·       |           |            |
| Heating/cooling at floor level critical | N/                                      | Sound reinforcement outlet  | Yes in #1     | • Other   |               |                                 |               |         |           |            |
| to user age                             | Yes                                     | Wireless access point outlet (2-port)   | Req. coverage | Base:   |               | ,                               |               |         |           |            |
| Other HVAC equipment                    |   | Mobile projection cart outlet   | Yes in #1     | Resilient rubber  | ~             | ✓                               | <u> </u>      | ·       |           |            |
| or requirements:                        |   | Outlet (1-port) for future interactive  | N             | • Other   |               |                                 |               | ·       |           |            |
| •                                       |   | whiteboard  | Yes in #1     | Floors:   |               |                                 |               |         |           |            |
|   |   | Speaker - ceiling mounted   | Yes in #1     | • Carpet  | <u> </u>      | ~                               | <u> </u>      |         |           |            |
| Plumbing                                |   | Clock   | Yes in #1     | • VCT   |               | $\overline{\checkmark}$         |               | ·       |           |            |
| Domestic water:                         |   | Other communications/IT equipment   |               | Sheet vinyl   | ~             | ✓                               | <u> </u>      |         |           |            |
| • Hot                                   | Yes in #1,2                             | or requirements:  |               | • Other   |               |                                 |               |         |           |            |
| • Cold                                  | Yes in #1,2                             | •   |               | Ceilings:   |               |                                 |               |         |           |            |
| Sinks: specialty type: SS large,        | <b>.</b>                                |   |               | Minimum ceiling height  | 9'0"          | 9'0"                            | 9'0"          |         |           |            |
| deep, single                            | Yes in #1                               | Safety/Security   |               | <ul> <li>Exposed to structure - painted</li> </ul>  | <u> </u>      | ~                               | <u> </u>      |         |           |            |
| Handicapped access requirement          | Yes in #2                               | Nonmaster locks   |               | Lay-in acoustical   | ~             | ✓                               | <u> </u>      |         |           |            |
| Other plumbing equipment                |   | Intrusion alarm system  |               | • Other   |               |                                 |               |         |           |            |
| or requirements:                        |   | Access control  |               | Windows:  |               |                                 |               |         |           |            |
| •                                       |   | Other safety/security equipment   |               | <ul> <li>Windows/daylight into space require</li> </ul>                                   |               |                                 |               |         |           |            |
|   |   | or requirements:  |               | Interior window   | Yes           |                                 |               |         |           |            |
|   |   | •   |               | Operable window required  | Yes           |                                 |               |         |           |            |
|   |   |   |               | Doors:  |               |                                 |               |         |           |            |
|   |   |   |               | • Wood  | Yes           | Yes                             | Yes           |         |           |            |
|   |   |   |               | <ul> <li>Hollow metal (exterior)</li> </ul>   | Yes           |                                 |               |         |           |            |
|   |   |   |               | With glazed lites   | Yes           |                                 |               |         |           |            |
|   |   |   |               | <ul> <li>Exterior door required</li> </ul>  | Yes           |                                 |               |         |           |            |
|   |   |   |               |   |               |                                 |               |         |           |            |

## A2000 ISC-1 Kindergarten Classroom Space Criteria

Structural Requirements	Notes
Consider acoustic roof deck if no	Electrical:
ceiling is provided <u>Yes</u>	1. Provide wall switch type occupancy sensor.
Other structural requirements:	2. Provide automatic shut-off via building management system time clock.
•	3. Provide multi-level light switching.
	4. Provide direct/indirect lighting system.
Signage Requirements	5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room identification sign Yes	6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Room number sign Yes	7. Provide a receptacle mounted at +7'-0" for television.
Other signage requirements:	Fire Protection:
•	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Fire Protection System	Key Space Design and Relationship Concepts
Sprinklers:	1. Near other pre-k/kindergarten classrooms
Semi-recessed Yes	2. Near vehicle drop-off/pickup drive
Other fire protection equipment	3. Direct access to outdoor playground
or requirements:	4. Adjacent to individual restroom
•	
Program Activities	Spatial Relationship Diagram
1. Kindergarten instruction through active exploration.	
2. Children practice with tangible articles and are	Kindergarten Classroom
encouraged to develop learning skills, creativity,	
and imagination.	

 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.



## **ISC-2 Grade 1 General Classroom**



#### Notes:

- Loose furnishings shown represent one of many possible arrangements.
   Entering window locations may be medified
- 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.

- 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 Gr	ade 1 Classroom	"Yes" and "No" apply to all spaces		<b>Fixed Furnishings/Equipment</b>		#3 #4 #	5 #6 #7 #8	8 #9 #10 #11 #12
		# refers to Space Description designation	on	Whiteboard (8'-0") Qt	y <u>2</u>			
Space Description F	or square footages,	<ul> <li>✓ indicates approved feature, system,</li> </ul>	or material	Tackboard (4'-0") Qt	y 2			
S	ee space template			Overhead projection screen Qt	y 1			
1. Grade 1 classroom		Acoustical Conditions		TV with wall mounting bracket				
2. Student restroom		Speech privacy	No	0	y 1			
3. Storage area		Special acoustical treatment needed	No	Casework:	,			
5. Otorage area		Musical performance/singing/	110	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes			
		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes			
		cheening expected	No					
				Plastic laminate countertops	Yes			
		Electrical/Lighting		<ul> <li>Plastic laminate upper cabinets</li> </ul>	Yes			
		Power outlet minimum number	Yes in #1	<ul> <li>Tall wardrobe cabinet</li> </ul>	Yes			
		Lighting requirements:		Locks	Yes			
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1	<ul> <li>16" deep adjustable shelving</li> </ul>		Yes		
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1	Other furnishings/millwork/				
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1	equipment or requirements:				
		Safety receptacles	Yes in #1,2	<ul> <li>Soap dispenser</li> </ul>	Yes Yes	2		
		Other electrical/lighting equipment	100 11 / 1,2	<ul> <li>Paper towel dispenser</li> </ul>				
		or requirements:			163 163			
Deile Oserware Use		or requirements.						
Daily Occupancy Use		•						
9.5 hrs. (7:30 a.m5:00 p.m.)				Interior Finishes	#1 #2	#3 #4 #	5 #6 #7 #8	8 #9 #10 #11 #12
five days a week	Yes	<b>Communications/IT Requirements</b>		Walls:				
After-hours use	No	Communication outlet (4-port) - teache	r Yes in #1	<ul> <li>CMU - painted</li> </ul>	$\frac{\checkmark}{\checkmark}$	<u> </u>		
		Communication outlet (1-port per		<ul> <li>CMU - ground face, integral color</li> </ul>	<u>√</u> √	✓		
Environmental Conditions		computer station)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>				
Air pressure (balanced is assumed):		CATV outlet (coax + Cat 6)	Yes in #1	or vinyl covered	<ul> <li>✓</li> <li>✓</li> </ul>	✓		
Negative	Yes in #2,3	Sound reinforcement outlet	Yes in #1	Other				
Heating/cooling at floor level critical	·	Wireless access point outlet (2-port)	Reg. coverage	Base:				
to user age	Yes in #1	Mobile projection cart outlet	Yes in #1	Resilient rubber	< <	~		
Other HVAC equipment	103111#1	Outlet (1-port) for future interactive	103 111 #1	Other				
or requirements:		whiteboard	Yes in #1	Floors:				
or requirements.					/	$\checkmark$		
•		Speaker - ceiling mounted	Yes in #1	• Carpet	<u> </u>	- 🐳 — –		
		Clock	Yes in #1	• VCT				
Plumbing		Other communications/IT equipment		<ul> <li>Sheet vinyl</li> </ul>	<ul> <li>✓</li> <li>✓</li> </ul>	<u> </u>		
Domestic water:		or requirements:		Other				
Hot	Yes in #1,2	•		Ceilings:				
Cold	Yes in #1,2			<ul> <li>Minimum ceiling height</li> </ul>	9'0" 9'0'	" 9'0"		
Sinks: specialty type: SS large,		Safety/Security		<ul> <li>Exposed to structure - painted</li> </ul>	$\checkmark$	✓		
deep, single	Yes in #1	Nonmaster locks		Lay-in acoustical	$\checkmark$ $\checkmark$	<u> </u>		
Handicapped access requirement	Yes in #2	Intrusion alarm system		• Other				
Other plumbing equipment		Access control		Windows:	<u> </u>			
or requirements:		Other safety/security equipment		<ul> <li>Windows/daylight into space require</li> </ul>	d <u>Yes</u>			
		or requirements:		<ul> <li>Operable window required</li> </ul>	Yes			
•		or requirements.			165			
		•		Doors:				
				• Wood	Yes Yes	s Yes		
				<ul> <li>With glazed lites</li> </ul>	Yes			
				Other				

### A2010 ISC-2 Grade 1 General Classroom Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room identification sign	Yes	6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Room number sign	Yes	7. Provide a receptacle mounted at +7'-0" for television.
Other signage requirements:		Fire Protection:
•		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Fire Protection System		Key Space Design and Relationship Concepts
Sprinklers:		1. Near other elementary classrooms
<ul> <li>Semi-recessed</li> </ul>	Yes	2. Access to outdoor playground
Other fire protection equipment		
or requirements:		
•		

#### **Program Activities**

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

#### **Spatial Relationship Diagram**

#### Grade 1 General Classroom



## ISC-3 Grades 2 & 3 General Classroom



#### 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.

- 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 Grade	es 2 & 3 Classroom	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment		#2 #3 #4 #5	#6 #7 #8	#9 #10 #11 #12
		# refers to Space Description designati		Whiteboard (8'-0") Qty	2			
Space Description	For square footages,	✓ indicates approved feature, system,	or material	Tackboard (4'-0") Qty	2			
	see space template		-	Overhead projection screen Qty	1			
1. Grades 2 & 3 classroom		Acoustical Conditions		TV with wall mounting bracket				
2. Storage area		Speech privacy	No	or TV cabinet Otv	1			
g		Special acoustical treatment needed	No	Casework:				
		Musical performance/singing/		<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes			
		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes			·
		cheening expected	INU	<ul> <li>Plastic laminate base cabinets</li> <li>Plastic laminate countertops</li> </ul>	Yes		·	·
							·	·
		Electrical/Lighting		Plastic laminate upper cabinets	Yes		·	·
		Power outlet minimum number	Yes in #1	<ul> <li>Tall wardrobe cabinet</li> </ul>	Yes			·
		Lighting requirements:		Locks	Yes			
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1	<ul> <li>16" deep adjustable shelving</li> </ul>		Yes		
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1	Other furnishings/millwork/				
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1	equipment or requirements:				
		Other electrical/lighting equipment		Soap dispenser	Yes			
		or requirements:		<ul> <li>Paper towel dispenser</li> </ul>	Yes			
		•					·	·
Daily Occupancy Use		•						
9.5 hrs. (7:30 a.m.–5:00 p.m.)		Communications/IT Descrivements		Interior Finishes	44	#0 #2 #4 #F	#6 #7 #0	#0 #10 #11 #12
,	Vee	Communications/IT Requirements	No sin #4		#1	#Z #3 #4 #3	#0 #1 #0	#9 #10 #11 #12
five days a week	Yes	Communication outlet (4-port) - teache	r Yes in #1	Walls:	,	,		
After-hours use	No	Communication outlet (1-port per		CMU - painted	$\overline{\checkmark}$	<u>√</u> <u> </u>	·	·
		computer station)	Yes in #1	<ul> <li>CMU - ground face, integral color</li> </ul>	~	<u>✓</u>		·
<b>Environmental Conditions</b>		CATV outlet (coax + Cat 6)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>				
Air pressure (balanced is assumed)	:	Sound reinforcement outlet	Yes in #1	or vinyl covered	✓	✓		
<ul> <li>Negative</li> </ul>	Yes in #2	Wireless access point outlet (2-port)	Req. coverage	Other				
Other HVAC equipment		Mobile projection cart outlet	Yes in #1	Base:				
or requirements:		Outlet (1-port) for future interactive		<ul> <li>Resilient rubber</li> </ul>	$\checkmark$	<u>✓</u>		
•		whiteboard	Yes in #1	<ul> <li>Other</li> </ul>				
		Speaker - ceiling mounted	Yes in #1	Floors:				
Plumbing		Clock	Yes in #1	Carpet	~	✓		
Domestic water:		Other communications/IT equipment	100 111 11	• VCT	~	<u></u>		·
Hot	Yes in #1	or requirements:		Sheet vinyl	·	·		·
Cold	Yes in #1	or requirements.		Other		<u> </u>	·	·
	res in #1	•					·	·
Sinks: specialty type: SS large,				Ceilings:		0.01		
deep, single	Yes in #1	Safety/Security		Minimum ceiling height	9'0"	9'0"	·	
Other plumbing equipment		Nonmaster locks		<ul> <li>Exposed to structure - painted</li> </ul>	~	<u>✓</u>		
or requirements:		Intrusion alarm system		<ul> <li>Lay-in acoustical</li> </ul>	~	<u> </u>		
•		Access control		Other				
		Other safety/security equipment		Windows:				
		or requirements:		<ul> <li>Windows/daylight into space required</li> </ul>	Yes			
		•		<ul> <li>Operable window required</li> </ul>	Yes		· ·	·
				Doors:				
				• Wood	Yes	Yes		
				With glazed lites	Vec	Yes	·	·
					162		·	·
				Other				·

### A2020 ISC-3 Grades 2 & 3 General Classroom Space Criteria

Structural Requirements	Notes
Consider acoustic roof deck if no	Electrical:
ceiling is provided Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:	2. Provide automatic shut-off via building management system time clock.
•	3. Provide multi-level light switching.
	4. Provide direct/indirect lighting system.
Signage Requirements	5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room identification sign Yes	6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Room number sign Yes	7. Provide a receptacle mounted at +7'-0" for television.
Other signage requirements:	Fire Protection:
•	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Fire Protection System	Key Space Design and Relationship Concepts
Sprinklers:	1. Near other elementary classrooms
Semi-recessed Yes	2. Access to outdoor playground
Other fire protection equipment	3. Near large group restrooms
or requirements:	
•	
Program Activities	Spatial Relationship Diagram

- 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.

#### Grades 2 & 3 General Classroom



## ISC-4 Grades 4 thru 6 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.

- 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 Grad	des 4-6 Classroom	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment		#2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #
		# refers to Space Description designati		Whiteboard (8'-0") Qt	y <u>2</u>	
Space Description	For square footages,	✓ indicates approved feature, system,	or material	Tackboard (4'-0") Qt	y 2	
	see space template				y 1	
<ol> <li>Grades 4 thru 6 classroom</li> </ol>		Acoustical Conditions		TV with wall mounting bracket		
2. Storage area		Speech privacy	No	or TV cabinet Qt	y <u>1</u>	
		Special acoustical treatment needed	No	Casework:		
		Musical performance/singing/		<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes	
		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes	
				<ul> <li>Plastic laminate countertops</li> </ul>	Yes	
		Electrical/Lighting		<ul> <li>Plastic laminate upper cabinets</li> </ul>	Yes	
		Power outlet minimum number	Yes in #1	<ul> <li>Tall wardrobe cabinet</li> </ul>	Yes	
		Lighting requirements:		Locks	Yes	
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1	<ul> <li>16" deep adjustable shelving</li> </ul>		Yes
		Direct/indirect lighting	Yes in #1	Other furnishings/millwork/		
		Multi-level switched	Yes in #1	equipment or requirements:		
		Other electrical/lighting equipment	100 11 / 1	Soap dispenser	Yes	
		or requirements:		<ul> <li>Paper towel dispenser</li> </ul>	Yes	
					103	
Daily Occupancy Use		•		Interior Finishes	#1	#2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #
9.5 hrs. (7:30 a.m.–5:00 p.m.)		Communications/IT Requirements		Walls:	<i>m</i> 1	
five days a week	Yes	Communication outlet (4-port) - teache	r Yes in #1	CMU - painted	1	$\checkmark$
After-hours use	No	Communication outlet (4-port) - teache Communication outlet (1-port per	1 165111#1	<ul> <li>CMU - ground face, integral color</li> </ul>	<u> </u>	
Allel-Hours use	INU	computer station)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>	<u> </u>	· • — — — — — — — —
Environmental Conditions		CATV outlet (coax + Cat 6)	Yes in #1	or vinyl covered	./	
Air pressure (balanced is assumed)		. ,		Other	<u> </u>	<u>✓</u>
		Sound reinforcement outlet Wireless access point outlet (2-port)	Yes in #1			·
Negative	Yes in #2		Req. coverage	Base:		
Other HVAC equipment		Mobile projection cart outlet	Yes in #1	Resilient rubber	<u> </u>	· <u> </u>
or requirements:		Outlet (1-port) for future interactive	N	• Other		·
•		whiteboard	Yes in #1	Floors:	,	,
		Speaker - ceiling mounted	Yes in #1	• Carpet	<u> </u>	· <u> </u>
Plumbing		Clock	Yes in #1	• VCT	<u> </u>	· <u> </u>
Domestic water:		Other communications/IT equipment		Sheet vinyl	~	· <u> </u>
• Hot	Yes in #1	or requirements:		• Other		
• Cold	Yes in #1	•		Ceilings:		
Sinks: specialty type: SS large,				Minimum ceiling height	9'0"	- <u>\$\sigma_1\$</u>
deep, single	Yes in #1	Safety/Security		<ul> <li>Exposed to structure - painted</li> </ul>	<u> </u>	· <u>·                                    </u>
Other plumbing equipment		Nonmaster locks		<ul> <li>Lay-in acoustical</li> </ul>	~	· <u> </u>
or requirements:		Intrusion alarm system		Other		
•		Access control		Windows:		
		Other safety/security equipment		<ul> <li>Windows/daylight into space require</li> </ul>		
		or requirements:		<ul> <li>Operable window required</li> </ul>	Yes	
		•		Doors:		
				• Wood	Yes	Yes
				<ul> <li>With glazed lites</li> </ul>	Yes	
				Other		

A2030

## ISC-4 Grades 4 thru 6 General Classroom Space Criteria

#### A2030 ISC-4 Grades 4 thru 6 General Classroom Space Criteria

Structural Requirements Consider acoustic roof deck if no	Notes Electrical:
ceiling is provided Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:	2. Provide automatic shut-off via building management system time clock.
•	3. Provide multi-level light switching.
	4. Provide direct/indirect lighting system.
Signage Requirements	5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room identification sign Yes	6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Room number sign Yes	7. Provide a receptacle mounted at +7'-0" for television.
Other signage requirements:	Fire Protection:
•	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Fire Protection System	Key Space Design and Relationship Concepts
Sprinklers:	1. Near other elementary classrooms
Semi-recessed Yes	2. Access to outdoor playground
Other fire protection equipment or requirements:	3. Near large group restrooms
•	
	—
Program Activities	Spatial Relationship Diagram

 Developmental experiences, technical skill building, and hands-on activities.
 Activities include but are not limited to group activities include but are not limited to group

discussions, demonstrations, music activities, listening skills, presentations, art and science

projects, and small group activities.

#### Grades 4 thru 6 General Classroom



## ISC-5 Grades 7 & 8 General Classroom



#### 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.

- 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	es" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1	#2 #3 #4 #5	#6 #7 #8	#9 #10 #11 #12
#r	refers to Space Description designatio	n	Whiteboard (8'-0") Qt	ty 2			
Space Description For square footages, ✓	indicates approved feature, system, o	or material	Tackboard (4'-0") Qt	ty 2			
see space template		-	Overhead projection screen Qt	ty 1			
1. Grades 7 & 8 classroom Ac	coustical Conditions		TV with wall mounting bracket				
	peech privacy	No	or TV cabinet Qt	tv 1			
	pecial acoustical treatment needed	No	Casework:	.,			
	usical performance/singing/		<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes			
	cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes			
	sheeling expected	110	Plastic laminate countertops	Yes			
<b>1</b> 7	lectrical/Lighting		Plastic laminate upper cabinets	Yes			
	ower outlet minimum number	Yes in #1	Tall wardrobe cabinet	Yes			
	ghting requirements:	165 111 #1	Locks	Yes			
		Maa in 114		res			
	Automatic lighting controls	Yes in #1	• 16" deep adjustable shelving		Yes		
	<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1	Other furnishings/millwork/				
	<ul> <li>Multi-level switched</li> </ul>	Yes in #1	equipment or requirements:				
	ther electrical/lighting equipment		•				
0'	or requirements:						
•	•						
Daily Occupancy Use			Interior Finishes	#1	#2 #3 #4 #5	#6 #7 #8	#9 #10 #11 #12
	ommunications/IT Requirements		Walls:				
five days a week Yes Co	ommunication outlet (4-port) - teacher	Yes in #1	<ul> <li>CMU - painted</li> </ul>	✓	<u>✓</u>		
After-hours use No Co	ommunication outlet (1-port per		<ul> <li>CMU - ground face, integral color</li> </ul>	~	<u>√</u>		
C/	computer station)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>				
Environmental Conditions CA	ATV outlet (coax + Cat 6)	Yes in #1	or vinyl covered	~	✓		
Air pressure (balanced is assumed): So	ound reinforcement outlet	Yes in #1	• Other				
Negative Yes in #2 Wi	'ireless access point outlet (2-port)	Req. coverage	Base:				
	obile projection cart outlet	Yes in #1	<ul> <li>Resilient rubber</li> </ul>	~	$\checkmark$		
	utlet (1-port) for future interactive		• Other				
	whiteboard	Yes in #1	Floors:				
	peaker - ceiling mounted	Yes in #1	Carpet	✓	✓		
	lock	Yes in #1	• VCT	$\overline{\checkmark}$	<u></u>		
	ther communications/IT equipment	100 11 / /	Sheet vinyl	~	<u></u>		
	or requirements:		• Other	<u> </u>	<u> </u>		
or requirements.	n requirements.		Ceilings:				
• • • • • • • • • • • • • • • • • • • •			<ul> <li>Minimum ceiling height</li> </ul>	0'0"	0'0"		
	afety/Security			90	9'0"		
			Exposed to structure - painted		<u> </u>		
	onmaster locks		Lay-in acoustical	~			
	trusion alarm system		• Other				
	ccess control		Windows:				
	ther safety/security equipment		<ul> <li>Windows/daylight into space require</li> </ul>				
0'	or requirements:		<ul> <li>Operable windows required</li> </ul>	Yes			
•			Doors:				
			• Wood	Yes	Yes		
			<ul> <li>With glazed lites</li> </ul>	Yes			
			Other				

## A2040 ISC-5 Grades 7 & 8 General Classroom Space Criteria

	_	
Structural Requirements		Notes
Consider acoustic roof deck if no		<u>Electrical:</u>
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
_		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room identification sign	Yes	6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Room number sign	Yes	7. Provide a receptacle mounted at +7'-0" for television.
Other signage requirements:		Fire Protection:
•		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
-		
Fire Protection System		Key Space Design and Relationship Concepts
Sprinklers:		1. Easy and guick access to the media center, administrative services, physical education areas, and the arts
<ul> <li>Semi-recessed</li> </ul>	Yes	2. Near other academic core areas
Other fire protection equipment		3. Access to outdoor playground
or requirements:		4. Near large group restrooms
		5. Located in academic zone that is away from noisy or public activities
-		5. Eodated in deadenine zone and no away from horsy of public deamaco
Program Activities		Spatial Relationship Diagram
1. Serves the instructional programs for lar	nguage	
arts, social studies, and mathematics.		Grades 7 & 8 General Classroom
2. Instructional programs shall provide dev	relopmental	
experiences, improve communication sk		
social development, and promote in-dep		
understandings.		
3. Delivery of programs will involve tradition	nal	
methodologies, but will include interdisci		()
activities, a variety of groupings, team te		
activities, a variety of groupings, team te	aching,	

and learning and manipulative exercises.



## 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.

- 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 Grade	es 9-12 Classroom	"Yes" and "No" apply to all spaces # refers to Space Description designation	20	Fixed Furnishings/Equipment Whiteboard (8'-0") Qtv	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
Onesse Description	<b>F</b>	✓ indicates approved feature, system,			y <u>2</u>
Space Description	For square footages,	<ul> <li>Indicates approved feature, system,</li> </ul>	or material		
	see space template				y <u>1</u>
1. Grades 9 thru 12 classroom		Acoustical Conditions		TV with wall mounting bracket	
2. Storage area		Speech privacy	No	or TV cabinet Qty	y <u>1</u>
		Special acoustical treatment needed	No	Casework:	
		Musical performance/singing/		<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes
		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes
				<ul> <li>Plastic laminate countertops</li> </ul>	Yes
		Electrical/Lighting		<ul> <li>Plastic laminate upper cabinets</li> </ul>	Yes
		Power outlet minimum number	Yes	<ul> <li>Tall wardrobe cabinet</li> </ul>	Yes
		Lighting requirements:		Locks	Yes
		<ul> <li>Automatic lighting controls</li> </ul>	Yes	<ul> <li>16" deep adjustable shelving</li> </ul>	Yes
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes	Other furnishings/millwork/	
		Multi-level switched	Yes	equipment or requirements:	
		Ceiling outlet for projector	Yes in #1	•	
		Other electrical/lighting equipment	100 11 // 1	-	
		or requirements:			
Daily Occupancy Use		or requirements.		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
0.5 hrs. (7:30 a.m.–5:00 p.m.)		•		Walls:	#1 #2 #3 #4 #3 #0 #1 #6 #9 #10 #11
	\/	Communications/IT Requirements		CMU - painted	
five days a week	Yes No	Communication S/T Requirements Communication outlet (4-port) - teacher	Varia III	<ul> <li>CMU - painted</li> <li>CMU - ground face, integral color</li> </ul>	
After-hours use	INO		Yes in #1		<u> </u>
		Communication outlet (1-port per		<ul> <li>Standard gypsum board - painted</li> </ul>	, ,
Environmental Conditions		computer station)	Yes in #1	or vinyl covered	<u> </u>
Air pressure (balanced is assumed)		CATV outlet (coax + Cat 6)	Yes in #1	Other	
Negative	Yes in #2	Sound reinforcement outlet	Yes in #1	Base:	
Other HVAC equipment		Projector outlet (1-port ceiling mounted)		<ul> <li>Resilient rubber</li> </ul>	<u>✓ ✓</u>
or requirements:		Wireless access point outlet (2-port)	Req. coverage	Other	
•		Outlet (1-port) for future interactive		Floors:	
		whiteboard	Yes in #1	Carpet	<u>√ √</u>
lumbing		Speaker - ceiling mounted	Yes in #1	• VCT	$\checkmark$ $\checkmark$ $\frown$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$ $\_$
Other plumbing equipment		Clock	Yes in #1	<ul> <li>Sheet vinyl</li> </ul>	
or requirements:		Other communications/IT equipment		Other	
•		or requirements:		Ceilings:	
		•		Minimum ceiling height	9'0" 9'0"
				<ul> <li>Exposed to structure - painted</li> </ul>	
		Safety/Security		Lay-in acoustical	
		Nonmaster locks		• Other	
		Intrusion alarm system		Windows:	
		Access control		<ul> <li>Windows.</li> <li>Windows/daylight into space required</li> </ul>	d Ves
		Other safety/security equipment		Operable window required	Yes
		or requirements:		Doors:	
		•		• Wood	<u>Yes</u>
				<ul> <li>With glazed lites</li> </ul>	Yes
				Other	

A2050

### ISC-6 Grades 9 thru 12 General Classroom Space Criteria

### A2050 ISC-6 Grades 9 thru 12 General Classroom Space Criteria

Structural Requirements Consider acoustic roof deck if no		Notes Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room identification sign	Yes	6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Room number sign	Yes	7. Provide a receptacle mounted at +7'-0" for television.
Other signage requirements:		Fire Protection:
•		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Fire Protection System		Key Space Design and Relationship Concepts
Sprinklers:		1. Easy and quick access to the media center, administrative services, physical education areas, and the arts
<ul> <li>Semi-recessed</li> </ul>	Yes	2. Near other academic core areas
Other fire protection equipment		3. Near large group restrooms
or requirements:		4. Located in academic zone that is away from noisy or public activities
•		5. Flexibility of space
Program Activities		Spatial Relationship Diagram
1. Large group, small group, and indivi	idual instruction	Grades 9 thru 12 General Classroom
<ol><li>Group and individual work</li></ol>		
<ol><li>Demonstrations</li></ol>		

ISC-3 TO 6 GRADES 2-12 CLASSROOM STOR. STO

4. Accommodates any of the core academic disciplines

## **ISC-7** Teacher Planning / Material Storage



# 0 2' 4' 8' FLOOR PLAN ARCHITECTURAL AND INTERIORS KEY NOTES

#### Notes:

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

CAPACITY: 8 teachers

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

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

BIA School Facilities Teac	her Planning Core	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #
		# refers to Space Description designatio			Qty <u>1</u>
	For square footages,	✓ indicates approved feature, system, or	or material		Qty <u>1</u>
	see space template			Casework:	
Teacher planning area		Acoustical Conditions		<ul> <li>Plastic laminate countertops</li> </ul>	Yes
Material storage room		Speech privacy	No	<ul> <li>16" deep adjustable shelving</li> </ul>	Yes Yes
		Special acoustical treatment needed	No	Other furnishings/millwork/	
		Musical performance/singing/		equipment or requirements:	
		cheering expected	No	<ul> <li>Printer location</li> </ul>	Yes
		Electrical/Lighting			
		Power outlet minimum number	Yes		
		Lighting requirements:			
		<ul> <li>Automatic lighting controls</li> </ul>	Yes		
		<ul> <li>Multi-level switched</li> </ul>	Yes		
		<ul> <li>Emergency lighting</li> </ul>	Yes		
		Other electrical/lighting equipment			
		or requirements:			
aily Occupancy Use		•		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
5 hrs. (7:30 a.m.–5:00 p.m.)		Communications/IT Requirements		Walls:	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
ve days a week	Yes	Communications/11 Requirements Communication outlet (2-port) -standard	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>	
ter-hours use	No	Communication outlet (1-port per	163 111 #1	or vinyl covered	
	110	computer station)	Yes in #1	• Other	<u> </u>
nvironmental Conditions		Wireless access point outlet (2-port)	Req. coverage	Base:	
ir pressure (balanced is assumed):		Clock	Yes in #1	Resilient rubber	<u>✓ ✓ </u>
Negative	Yes in #2	Surveillance camera	Yes in #1	Other	
ther HVAC equipment		Other communications/IT equipment		Floors:	
or requirements:		or requirements:		Carpet	$\checkmark$
•		•		• VCT	
				<ul> <li>Sheet vinyl</li> </ul>	
umbing		Safety/Security		Other	
ther plumbing equipment		Nonmaster locks		Ceilings:	
or requirements:		Intrusion alarm system		<ul> <li>Minimum ceiling height</li> </ul>	<u>9'0"</u> <u>9'0"</u>
		Access control		Lay-in acoustical	
		Other safety/security equipment		• Other	
		or requirements:		Windows:	¥
		•		Interior borrowed light window	Yes
				Doors: • Wood	Voo Voo
				<ul> <li>Wood</li> <li>With glazed lites</li> </ul>	Yes Yes
				Other	

## A2060

ISC-7 Teacher Planning / Material Storage Space Criteria

## A2060 ISC-7 Teacher Planning / Material Storage Space Criteria

Structural Requirements		Notes
Other structural requirements:		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).
Signage Requirements		5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Room identification sign	Yes	e. I forde a minimum of one receptacio for each compared station (typicar). Circuit chair conversion of the receptacio for each compared station (typicar).
Room number sign	Yes	
Other signage requirements:	105	
other signage requirements.		
•		
Fire Protection System		Kay Space Decime and Deletionship Concerts
		Key Space Design and Relationship Concepts
Sprinklers:	¥	1. Near academic core classrooms
• Semi-recessed	Yes	
Other fire protection equipment		
or requirements:		
•		
Program Activities		
1. Teachers and other staff members h	nold meetings	
and prepare for class.		
2. Professional interaction should be e	ncouraged to	
improve communication, professiona	al development,	
and team building.		
3. Provides teacher office space outsic	de of the	
classroom.		
4. Restroom provides for personal hea	Ith needs for	
teachers and staff.		

## **ISC-8 Staff Restroom**



#### Notes:

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

- 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 Space Description 1. Staff restroom	Staff Restroom For square footages, see space template	<ul> <li>"Yes" and "No" apply to all spaces</li> <li># refers to Space Description designal</li> <li>✓ indicates approved feature, system</li> </ul> Acoustical Conditions Special acoustical treatment needed Musical performance/singing/ cheering expected Electrical/Lighting Lighting requirements: <ul> <li>Automatic lighting controls</li> <li>Other electrical/lighting equipment or requirements:</li> <li>•</li> </ul>	Fixed Furnishings/Equipment Casework: • Other Other furnishings/millwork/ equipment or requirements: • Grab bars • Mirror • Soap dispenser • Paper towel dispenser • Toilet paper dispenser • Feminine napkin disposal	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Air pressure (balanced is assume • Negative Other HVAC equipment or requirements:	Yes No d): Yes	Communications/IT Requirements Other communications/IT equipment or requirements:	 Interior Finishes Walls: • CMU - painted • Standard gypsum board - painted or vinyl covered • Impact-resistant gypsum board - painted or vinyl covered • Other Base: • Ceramic tile	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         ✓
<ul> <li>Plumbing</li> <li>Domestic water:         <ul> <li>Hot</li> <li>Cold</li> </ul> </li> <li>Floor drain</li> <li>Handicapped access requirement</li> <li>Other plumbing equipment         or requirements:         <ul> <li>•</li> </ul> </li> </ul>	Yes Yes Yes Yes	Safety/Security Nonmaster locks Intrusion alarm system Access control Other safety/security equipment or requirements:	<ul> <li>Quarry tile</li> <li>Fluid applied flooring</li> <li>Other</li> <li>Floors:</li> <li>Ceramic tile</li> <li>Quarry tile</li> <li>Fluid applied flooring</li> <li>VCT</li> <li>Other</li> <li>Ceilings:</li> <li>Minimum ceiling height</li> <li>Gypsum board - painted</li> <li>Other</li> <li>Doors:</li> <li>Wood</li> </ul>	V     V       Ves     V

Other

## A2070 ISC-8 Staff Restroom Space Criteria

		A2070
<b>ISC-8 Staff Restroom</b>	Space	Criteria

Sprinklers:         • Semi-recessed       Yes         Other fire protection equipment or requirements:         •	Structural Requirements	Notes
Signage Requirements       Key Space Design and Relationship Concepts         Room number sign       Yes         Other signage requirements:       -         •       -         Fire Protection System       Yes         Sprinklers:       Yes         • Semi-recessed       Yes         Other rine protection equipment or requirements:       Yes	Other structural requirements:	Electrical:
Signage Requirements       Key Space Design and Relationship Concepts         Room number sign       Yes         Other signage requirements:       -         •       -         Fire Protection System       Yes         Sprinklers:       Yes         • Semi-recessed       Yes         Other rine protection equipment or requirements:       Yes	•	1. Provide wall switch type occupancy sensor.
Room identification sign       Yes         Room number sign       Yes         Other signage requirements:       .         •       .         Fire Protection System       .         Sprinklers:       .         • Semi-recessed       Yes         Other fire protection equipment or requirements:       .         •       .		
Room number sign       Yes         Other signage requirements:		
Other signage requirements:	Room identification sign Yes	1. Near academic core classrooms
Fire Protection System         Sprinklers:         • Semi-recessed       Yes         Other fire protection equipment or requirements:         •		
Sprinklers:         • Semi-recessed       Yes         Other fire protection equipment or requirements:         •	Other signage requirements:	
Sprinklers:         • Semi-recessed       Yes         Other fire protection equipment or requirements:         •	•	
Sprinklers:         • Semi-recessed       Yes         Other fire protection equipment or requirements:         •		
Sprinklers:         • Semi-recessed       Yes         Other fire protection equipment or requirements:         •		
Semi-recessed Yes Other fire protection equipment or requirements:	Fire Protection System	
Other fire protection equipment or requirements:	Sprinklers:	
•	Semi-recessed     Yes	
•	Other fire protection equipment	
	or requirements:	
	•	
Program Activities	Program Activities	
1. Restroom provides for personal health needs for	1. Restroom provides for personal health needs for	
teachers and staff.		

**DSC-1** Computer Lab



#### 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.

- 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

## **Chapter A3: Dedicated Specialized Classrooms**

BIA School Facilities	Computer Lab	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment			2 #3 #4	#5 #6 #7	#8 #9	#10 #11	#12
	_	# refers to Space Description designation			Qty	_					
Space Description	For square footages,	<ul> <li>✓ indicates approved feature, system,</li> </ul>	or material	Tackboard (4'-0")	Qty	2					
	see space template			Overhead projection screen	Qty	1					
1. Computer lab		Acoustical Conditions		I v with wall mounting bracket							
2. Storage area		Speech privacy	No		Qty	1					
		Special acoustical treatment needed	No	Casework:							
		Musical performance/singing/		<ul> <li>1' deep shelf w/coat hooks</li> </ul>		es					
		cheering expected	No	Plastic laminate base cabinets		'es					
				<ul> <li>Plastic laminate countertops</li> </ul>		'es					
		Electrical/Lighting		Plastic laminate upper cabinets		'es					
		Specialized power requirements	Yes in #1	<ul> <li>Tall wardrobe cabinet</li> </ul>		'es					
		Power outlet minimum number	Yes	Locks	<u>`</u>	′es					
		Lighting requirements:		<ul> <li>16" deep adjustable shelving</li> </ul>	_	<u> </u>	′es				
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1	Other furnishings/millwork/							
		<ul> <li>Direct/indirect low-glare lighting</li> </ul>	Yes in #1	equipment or requirements:							
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1	<ul> <li>Printer locations</li> </ul>	<u>\</u>	'es				·	
			Yes in #1,								
		Ceiling outlet for projector	except in K-6								
Daily Occupancy Use		Other electrical/lighting equipment		Interior Finishes	#	1 #	2 #3 #4	#5 #6 #7	#8 #9	#10 #11	#12
9.5 hrs. (7:30 a.m.–5:00 p.m.)		or requirements:		Walls:							
five days a week	Yes	•		<ul> <li>CMU - painted</li> </ul>	_	✓	<u>✓</u>				
After-hours use	Yes			<ul> <li>Standard gypsum board - painted</li> </ul>							
		Communications/IT Requirements		or vinyl covered	_	✓	✓ <u> </u>				
Environmental Conditions		Communication outlet (2-port) -standard	d Yes in #1	Other	_						
Air pressure (balanced is assumed	):	Communication outlet (4-port) -teacher	Yes in #1	Base:							
<ul> <li>Negative</li> </ul>	Yes in #2	Communication outlet (1-port per		<ul> <li>Resilient rubber</li> </ul>	_	✓	<u>✓</u>				
Other HVAC equipment		computer station)	Yes in #1	Other							
or requirements:		CATV outlet (coax + Cat 6)	Yes in #1	Floors:							
•		Sound reinforcement outlet	Yes in #1	Carpet	_	✓	✓				
		Projector outlet (1-port ceiling mounted)	Yes in #1,	• VCT		✓	$\frac{1}{\sqrt{2}}$				
Plumbing			except in K-6	<ul> <li>Sheet vinyl (conductive)</li> </ul>		✓	✓				
Other plumbing equipment		Wireless access point outlet (2-port)	Req. coverage	Other	_						
or requirements:		Mobile projection cart outlet	Yes in #1,	Ceilings:							
•			K-6 only	<ul> <li>Minimum ceiling height</li> </ul>	g	'0" 9	0"				
		Outlet (1-port) for future interactive		<ul> <li>Exposed to structure - painted</li> </ul>	_	✓	✓				
		whiteboard	Yes in #1	<ul> <li>Lay-in acoustical</li> </ul>	_	✓	<sup>1</sup> 0"				
		Speaker - ceiling mounted	Yes in #1	Other	_						
		Clock	Yes in #1	Windows:							
		Surveillance camera	Yes in #1	<ul> <li>Windows/daylight into space requi</li> </ul>	ired Y	'es					
		Other communications/IT equipment		<ul> <li>Operable window required</li> </ul>	١	'es					
		or requirements:		Doors:							
		•		• Wood	Y	'es Y	'es				
				<ul> <li>With glazed lites</li> </ul>	Y	'es	′es				
		Safety/Security		• Other							
		Nonmaster locks			_						
		Intrusion alarm system									
		Access control									
		Other safety/security equipment									
		or requirements:									
		•									

### A3000 DSC-1 Computer Lab Space Criteria

### **Chapter A3: Dedicated Specialized Classrooms**

Structural Requirements	Notes
Consider acoustic roof deck if no	Electrical:
ceiling is provided Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:	2. Provide automatic shut-off via building management system time clock.
•	3. Provide multi-level light switching.
	4. Provide direct/indirect lighting system.
Signage Requirements	5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room identification sign Yes	6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Room number sign Yes	7. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent room(s).
Other signage requirements:	8. Provide power for overhead projector.
•	9. Provide a receptacle mounted at +7'-0" for television.
	Fire Protection:
Fire Protection System	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Sprinklers:	
• Semi-recessed Yes	Key Space Design and Relationship Concepts
Other fire protection equipment	1. Near academic core classrooms
or requirements:	2. Near media center
•	3. Design for flexible use
Program Activities	Spatial Relationship Diagram
1. Contains computer workstations for group and	Computer Lab

individual work for grades 1 thru 12.

2.	Activities include computer instruction, media	
	production, and individual project work.	

**Computer Lab** 




# DSC-2 General Science Lab



- 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	g prep. area)
ANCILLARY SPACES:	Storage Area	120 s.f.

- 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	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment		#3 #4 #5 #6 #7 #8 #9 #10 #11 #12
		# refers to Space Description designation			/ 1	
Space Description	For square footages,	✓ indicates approved feature, system,	or material	Tackboard (4'-0") Qty		
	see space template				/ 1	
1. General science lab		Acoustical Conditions		TV with wall mounting bracket		
2. Science prep area		Speech privacy	No	or TV cabinet Qty	/ 1	
3. Storage area		Special acoustical treatment needed	No	Casework:		
		Musical performance/singing/		<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes	
		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> </ul>	<ul> <li>✓</li> <li>✓</li> </ul>	,
				<ul> <li>Wood base cabinets</li> </ul>	<ul><li>✓</li></ul>	
		Electrical/Lighting		<ul> <li>Acid-resistant countertops</li> </ul>	Yes Ye	<u>s</u>
		Specialized power requirements	Yes in #1,2	<ul> <li>Plastic laminate upper cabinets</li> </ul>	✓	
		Master shutoff for outlets	Yes in #1,2	<ul> <li>Wood upper cabinets</li> </ul>	$\checkmark$	
		Power outlet minimum number	Yes	<ul> <li>Tall wardrobe cabinet</li> </ul>	Yes	
		Lighting requirements:		• Locks	Yes	
		Automatic lighting controls	Yes in #1,2	Demonstration table/teacher desk	Yes	
		Direct/indirect lighting	Yes in #1.2	<ul> <li>16" deep adjustable shelving</li> </ul>	100	Yes
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1,2	Other requirements:		
		Emergency lighting	Yes in #1,2	Fume hood	Ye	2
Daily Occupancy Use			$\frac{1}{1}$ Yes in #1.	<ul> <li>Fume nood</li> <li>Undercounter refrigerator</li> </ul>	<u>Ye</u>	
9.5 hrs. (7:30 a.m.–5:00 p.m.)		Ceiling outlet for projector	,	<ul> <li>Undercounter dishwasher</li> </ul>	<u> </u>	
,	N/		except in K-6	Acids cabinet		
five days a week	Yes	Other electrical/lighting equipment				<u>Yes</u>
After-hours use	No	or requirements:		Flammables cabinet	X X	Yes
		•		Paper towel dispenser	Yes Ye	<u> </u>
Environmental Conditions				Other		
Air pressure (balanced is assumed	'	Communications/IT Requirements				
<ul> <li>Negative</li> </ul>	Yes	Communication outlet (4-port) -teacher	Yes in #1	Interior Finishes	#1 #2	#3 #4 #5 #6 #7 #8 #9 #10 #11 #12
Hood requirements:		Communication outlet (1-port per		Walls:		
<ul> <li>Fume hood, as required</li> </ul>	Yes in #1	computer station)	Yes in #1	<ul> <li>CMU - painted</li> </ul>	<u> √ √</u>	<u> </u>
Other HVAC equipment		CATV outlet (coax + Cat 6)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>		
or requirements:		Sound reinforcement outlet	Yes in #1	or vinyl covered	<u>√</u> √	<u> </u>
•			Yes in #1,	Other		
		Projector outlet (1-port ceiling mounted)	except in K-6	Base:		
Plumbing		Wireless access point outlet (2-port)	Req. coverage	<ul> <li>Resilient rubber</li> </ul>	<ul> <li>✓</li> <li>✓</li> </ul>	<u>́ √</u> <u> </u>
Domestic water:			Yes in #1,	Other		
• Hot	Yes in #1,2	Mobile projection cart outlet	K-6 only	Floors:		
Cold	Yes in #1,2	Outlet (1-port) for future interactive		VCT	<ul><li>✓</li></ul>	<ul> <li>✓</li> </ul>
Floor drain	Yes in #2	whiteboard	Yes in #1	<ul> <li>Sheet vinyl</li> </ul>	<ul><li>✓</li></ul>	
Acid waste	Yes in #1,2	Speaker - ceiling mounted	Yes in #1	Sealed concrete	<ul><li>✓</li></ul>	
Lab sinks	Yes in #1,2	Clock	Yes in #1	Other		
Emergency shower	As required	Other communications/IT equipment		Ceilings:		
Eyewash station	As required	or requirements:		<ul> <li>Minimum ceiling height</li> </ul>	9'0" 9'0	)" 9'0"
Gases needed for classroom use:		•		<ul> <li>Exposed to structure - painted</li> </ul>	$\frac{00}{}$	<u>90"</u>
Acetylene	As required	-		Lay-in acoustical	$\overline{}$	
Oxygen	As required	Safety/Security		Other		
Compressed air	As required	Nonmaster locks		Windows:		
Natural gas	As required	Intrusion alarm system		<ul> <li>Windows:</li> <li>Windows/daylight into space required</li> </ul>	Noc	
Natural gas     Other plumbing equipment	As required	Access control		<ul> <li>Windows/daylight into space required</li> <li>Operable window required</li> </ul>	Yes	
Ciner Diumbing equipment		ACCESS CONTON				
1 0 1 1		Other estatulase with a suin month				
or requirements:		Other safety/security equipment		Interior borrowed light window	Yes	
1 0 1 1		Other safety/security equipment or requirements:		Doors:		- <u> </u>
1 0 1 1				Doors: • Wood	Yes Ye	s Yes
1 9 1 1				Doors: • Wood • With glazed lites		s Yes
0 1 1				Doors: • Wood	Yes Ye	s <u>Yes</u>

**BIA School Facilities Space Templates** March 30, 2007

### A3010-3

# A3010 **DSC-2 General Science Lab Space Criteria**

Structural Requirements	Notes
Consider acoustic roof deck if no	Electrical:
ceiling is provided Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:	2. Provide automatic shut-off via building management system time clock.
•	3. Provide multi-level light switching.
	4. Provide direct/indirect lighting system.
Signage Requirements	5. Provide emergency light near door(s).
Room identification sign Yes	6. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room number sign Yes	7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other signage requirements:	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.
Fire Protection System	10. Above-counter receptacles shall be mounted in a steel raceway system.
Sprinklers:	11. Provide a receptacle mounted at +7'-0" for television.
Semi-recessed Yes	Fire Protection:
Other fire protection equipment	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
or requirements:	
•	Key Space Design and Relationship Concepts
	1. Near other science classrooms
Program Activities	2. Adjacent to science prep room
1. Large group, small group, and individual instruction	3. Located in academic "zone" that is away from noisy or public activities
2. Group and individual work	4. Access to media center and administrative services
3. Laboratory experimentation	5. Proximity to large group restrooms
4. Data collection and analysis	6. Flexibility of space
5. Demonstrations	7. Appropriate exterior exposure for "grow" window
6. Project work	

# Spatial Relationship Diagram

**General Science Lab** 



# **DSC-3 Multi-Purpose Science Lab**



- 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. (includin	g prep. area)
ANCILLARY SPACES:	Storage Area	120 s.f.

- 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-Pe	urpose Science Lab	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #1
		# refers to Space Description designation			<u> </u>
Space Description	For square footages,	✓ indicates approved feature, system,	or material		
	see space template				<u> </u>
1. Multi-purpose science lab		Acoustical Conditions		TV with wall mounting bracket	
2. Science prep area		Speech privacy	No	or TV cabinet Qty	′ <u> </u>
3. Storage area		Special acoustical treatment needed	No	Casework:	
		Musical performance/singing/		<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes
		cheering expected	No	Plastic laminate base cabinets	
				Wood base cabinets	
		Electrical/Lighting		Acid-resistant countertops	Yes Yes
		Specialized power requirements	Yes in #1,2	Plastic laminate upper cabinets	<u> </u>
		Master shutoff for outlets	Yes in #1,2	Wood upper cabinets	
		Power outlet minimum number	Yes	Tall wardrobe cabinet	Yes
		Lighting requirements:	N/	• Locks	Yes
		Automatic lighting controls	Yes in #1,2	Demonstration table/teacher desk	Yes
		Direct/indirect lighting     Multi lough switched	Yes in #1,2	• 16" deep adjustable shelving	Yes
		Multi-level switched	Yes in #1,2	Other requirements:	¥
		<ul> <li>Emergency lighting</li> </ul>	Yes in #1,2	Fume hood	<u>Yes</u>
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.)		Ceiling outlet for projector	Yes in #1,	<ul> <li>Undercounter refrigerator</li> <li>Undercounter dishwasher</li> </ul>	<u>Yes</u>
	Vaa		except in K-6	<ul> <li>Ondercounter disriwasher</li> <li>Acids cabinet</li> </ul>	
five days a week After-hours use	Yes No	Other electrical/lighting equipment		<ul> <li>Acids cabinet</li> <li>Flammables cabinet</li> </ul>	Yes
Alter-nours use	INU	or requirements:		<ul> <li>Paper towel dispenser</li> </ul>	Yes Yes
<b>Environmental Conditions</b>		•	·	Other	
Air pressure (balanced is assumed	<i>1</i> ).	Communications/IT Requirements		• Other	
Negative	Yes	Communication outlet (4-port) -teacher	Yes in #1	Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #1
Hood requirements:	163	Communication outlet (1-port) -teacher	163 111 #1	Walls:	#1 #2 #3 #4 #3 #0 #1 #6 #3 #10 #11 #1
<ul> <li>Fume hood, as required</li> </ul>	Yes in #2	computer station)	Yes in #1	CMU - painted	<u> </u>
Other HVAC equipment	100 11 1/2	CATV outlet (coax + Cat 6)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>	
or requirements:		Sound reinforcement outlet	Yes in #1	or vinyl covered	<u> </u>
•			Yes in #1.	• Other	
		Projector outlet (1-port ceiling mounted)	except in K-6	Base:	
Plumbing		Wireless access point outlet (2-port)	Req. coverage	Resilient rubber	<u>✓ ✓ ✓ </u>
Domestic water:			Yes in #1,	• Other	
Hot	Yes in #1,2	Mobile projection cart outlet	K-6 only	Floors:	
Cold	Yes in #1,2	Outlet (1-port) for future interactive		• VCT	$\checkmark$ $\checkmark$ $\checkmark$
Floor drain	Yes in #2	whiteboard	Yes in #1	<ul> <li>Sheet vinyl</li> </ul>	
Sink(s): specialty type: SS large,		Speaker - ceiling mounted	Yes in #1	Sealed concrete	
deep, single	Yes in #1,2	Clock	Yes in #1	Other	
Acid waste	Yes in #1,2	Other communications/IT equipment		Ceilings:	
Emergency shower	As required	or requirements:		<ul> <li>Minimum ceiling height</li> </ul>	<u>9'0"</u> <u>9'0"</u> <u>9'0"</u>
Eyewash station	As required	•		<ul> <li>Exposed to structure - painted</li> </ul>	
Gases needed for classroom use:				<ul> <li>Lay-in acoustical</li> </ul>	
<ul> <li>Acetylene</li> </ul>	As required	Safety/Security		• Other	
<ul> <li>Oxygen</li> </ul>	As required	Nonmaster locks		Windows:	<b> </b>
<ul> <li>Compressed air</li> </ul>	As required	Intrusion alarm system		<ul> <li>Windows/daylight into space required</li> </ul>	
<ul> <li>Natural gas</li> </ul>	As required	Access control		<ul> <li>Operable window required</li> </ul>	Yes
Other plumbing equipment		Other safety/security equipment		<ul> <li>Interior borrowed light window</li> </ul>	Yes
or requirements:		or requirements:		Doors:	
•		•		• Wood	Yes         Yes           Yes         Yes
				<ul> <li>With glazed lites</li> </ul>	Yes Yes
				• Other	

#### **BIA School Facilities Space Templates** March 30, 2007

A3020-3

# A3020 DSC-3 Multi-Purpose Science Lab Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide emergency light near door(s).
Room identification sign	Yes	6. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room number sign	Yes	7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other signage requirements:		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.
Fire Protection System		10. Above-counter receptacles shall be mounted in a steel raceway system.
Sprinklers:		11. Provide a receptacle mounted at +7'-0" for television.
Semi-recessed	Yes	Fire Protection:
Other fire protection equipment		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
or requirements:		
•		Key Space Design and Relationship Concepts
		1. Near other science classrooms
Program Activities		2. Adjacent to science prep room
1. Large group, small group, and indiv	idual instruction	3. Located in academic "zone" that is away from noisy or public activities
2. Group and individual work		4. Access to media center and administrative services
3. Laboratory experimentation		5. Proximity to large group restrooms
4. Data collection and analysis		6. Flexibility of space
5. Demonstrations		7. Appropriate exterior exposure for "grow" window
6. Project work		

#### Spatial Relationship Diagram

Multi-Purpose Science Lab



# **DSC-4 Earth Science / Physics Lab**



- 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	g prep. area)
ANCILLARY SPACES:	Storage Area	120 s.f.

- 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 S	cience/Physics Lab	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1	#2	#3 #4	#5 #6 #	7 #8	#9 #10	#11 #12
		# refers to Space Description designation		Whiteboard (8'-0") Qty	1						
Space Description	For square footages,	✓ indicates approved feature, system, or	or material	Tackboard (4'-0") Qty	2						
1. Earth science/physics lab	see space template	Accuration Conditions		Overhead projection screen Qty TV with wall mounting bracket	1						
2. Green room		Acoustical Conditions Speech privacy	No	or TV cabinet Qty	4						
3. Storage area		Special acoustical treatment needed	No	Casework:			<u> </u>				<u> </u>
5. Storage area		Musical performance/singing/	NU	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes						
		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> </ul>	√						
		cheening expected	110	Wood base cabinets	$\overline{}$	÷					
		Electrical/Lighting		Acid-resistant countertops		Yes					
		Specialized power requirements	Yes in #1,2	<ul> <li>Plastic laminate upper cabinets</li> </ul>	√	163					
		Master shutoff for outlets	Yes in #1,2	Wood upper cabinets	$\overline{}$						<u> </u>
		Power outlet minimum number	Yes	Tall wardrobe cabinet	Yes						
		Lighting requirements:	100	Locks	Yes						
		Automatic lighting controls	Yes in #1,2	Demonstration table/teacher desk	Yes						
		Direct/indirect lighting	Yes in #1,2	<ul> <li>16" deep adjustable shelving</li> </ul>		—	Yes				
		Multi-level switched	Yes in #1,2	Other requirements:							
		<ul> <li>Emergency lighting</li> </ul>	Yes in #1,2	Undercounter refrigerator		Yes					
Daily Occupancy Use			Yes in #1,	Undercounter dishwasher		Yes					
9.5 hrs. (7:30 a.m5:00 p.m.)		Ceiling outlet for projector	except in K-6	Acids cabinet			Yes				
five days a week	Yes	Other electrical/lighting equipment		<ul> <li>Flammables cabinet</li> </ul>			Yes				
After-hours use	No	or requirements:		<ul> <li>Paper towel dispenser</li> </ul>	Yes	Yes					
		•		Other							
Environmental Conditions											
Air pressure (balanced is assumed	/	<b>Communications/IT Requirements</b>		Interior Finishes	#1	#2	#3 #4	#5 #6 #	7 #8	#9 #10	#11 #12
<ul> <li>Negative</li> </ul>	Yes	Communication outlet (4-port) -teacher	Yes in #1	Walls:							
Hood requirements:		Communication outlet (1-port per		CMU - painted	✓	✓	✓				
• Fume hood, as required	Yes in #1	computer station)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>	,	,	,				
Other HVAC equipment		CATV outlet (coax + Cat 6)	Yes in #1	or vinyl covered	~	~	<u>✓</u>				
or requirements:		Sound reinforcement outlet	Yes in #1	• Other							
•			Yes in #1,	Base:		,	/				
<b>D</b> I <b>M</b> I <b>M</b>		Projector outlet (1-port ceiling mounted)		Resilient rubber	~	~	✓				
Plumbing Domestic water:		Wireless access point outlet (2-port)	Req. coverage Yes in #1,	• Other							
Hot	Vac in #1.0	Mabile projection part outlet	,	Floors: • VCT		./					
Cold	Yes in #1,2 Yes in #1.2	Mobile projection cart outlet Outlet (1-port) for future interactive	K-6 only	Sheet vinvl	<u> </u>	<u> </u>	<u> </u>				<u> </u>
Floor drain	Yes in #2	whiteboard	Yes in #1	Sneet virgi     Sealed concrete	<u> </u>	<u>~</u>	<u> </u>				
Sink(s): specialty type: SS large,	163 111 #2	Speaker - ceiling mounted	Yes in #1	Other	<u> </u>	<u> </u>	<u> </u>				
deep, single	Yes in #1.2	Clock	Yes in #1	Ceilings:							
Acid waste	Yes in #1,2	Other communications/IT equipment	163 111 #1	<ul> <li>Minimum ceiling height</li> </ul>	۹' <u>∩</u> "	۹' <u>∩</u> "	9'0"				
Emergency shower	As required	or requirements:		<ul> <li>Exposed to structure - painted</li> </ul>	<u> </u>	~	<u> </u>				<u> </u>
Evewash station	As required	•		Lay-in acoustical	$\overline{}$	~	<u> </u>				<u> </u>
Gases needed for classroom use:	, lo roquiroù	-		• Other		<u> </u>			— —		
Acetylene	As required	Safety/Security		Windows:							
Oxygen	As required	Nonmaster locks		<ul> <li>Windows/daylight into space required</li> </ul>	Yes						
Compressed air	As required	Intrusion alarm system		Operable window required	Yes						
Natural gas	As required	Access control		<ul> <li>Interior borrowed light window</li> </ul>	Yes	—					
Other plumbing equipment		Other safety/security equipment		Doors:		—					
or requirements:		or requirements:		• Wood	Yes	Yes	Yes				
•		•		With glazed lites	Yes	Yes					
				• Other							
					_	_					

# A3030 DSC-4 Earth Science / Physics Lab Space Criteria

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

#### 6. Project work

# Spatial Relationship Diagram

Earth Science / Physics Lab



# DSC-5 Chemistry / Biology Lab



- 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. (include	es Science Prep. area)
ANCILLARY SPACES:	Storage Area	120 s.f.

- 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 Che	emistry/Biology Lab	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment		#2	#3 #4 #5	#6 #7 #	8 #9 #10	#11 #12
		# refers to Space Description designation			y <u>1</u>					
Space Description	For square footages,	<ul> <li>✓ indicates approved feature, system,</li> </ul>	or material	Tackboard (4'-0") Qty	y <u>2</u>					
	see space template			Overhead projection screen Qty	y <u>1</u>					
<ol> <li>Chemistry/biology lab</li> </ol>		Acoustical Conditions		TV with wall mounting bracket						
<ol><li>Science prep area</li></ol>		Speech privacy	No	or TV cabinet Qty	y <u>1</u>					
<ol><li>Storage area</li></ol>		Special acoustical treatment needed	No	Casework:						
		Musical performance/singing/		<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes					
		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> </ul>	$\checkmark$	✓				
				<ul> <li>Wood base cabinets</li> </ul>	$\checkmark$	$\checkmark$				
		Electrical/Lighting		<ul> <li>Acid-resistant countertops</li> </ul>	Yes	Yes				
		Specialized power requirements	Yes in #1,2	<ul> <li>Plastic laminate upper cabinets</li> </ul>	~					
		Master shutoff for outlets	Yes in #1,2	<ul> <li>Wood upper cabinets</li> </ul>	$\checkmark$					
		Power outlet minimum number	Yes	Tall wardrobe cabinet	Yes					
		Lighting requirements:		Locks	Yes					
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1,2	<ul> <li>Demonstration table/teacher desk</li> </ul>	Yes					
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1,2	<ul> <li>16" deep adjustable shelving</li> </ul>	_		Yes			
		Multi-level switched	Yes in #1,2	Other requirements:						
		<ul> <li>Emergency lighting</li> </ul>	Yes in #1,2	Fume hood		Yes				
Daily Occupancy Use			Yes in #1,	<ul> <li>Undercounter refrigerator</li> </ul>		Yes				
9.5 hrs. (7:30 a.m5:00 p.m.)		Ceiling outlet for projector	except in K-6	<ul> <li>Undercounter dishwasher</li> </ul>		Yes				
five days a week	Yes	Other electrical/lighting equipment		<ul> <li>Acids cabinet</li> </ul>			Yes			
After-hours use	No	or requirements:		<ul> <li>Flammables cabinet</li> </ul>			Yes			
		•		<ul> <li>Paper towel dispenser</li> </ul>	Yes	Yes				·
<b>Environmental Conditions</b>										·
Air pressure (balanced is assumed	):	Communications/IT Requirements								
Negative	Yes	Communication outlet (4-port) -teacher	Yes in #1	Interior Finishes	#1	#2	#3 #4 #5	#6 #7 #	8 #9 #10	#11 #12
Hood requirements:		Communication outlet (1-port per		Walls:						
<ul> <li>Fume hood, as required</li> </ul>	Yes in #2	computer station)	Yes in #1	CMU - painted	~	$\checkmark$	$\checkmark$			
Other HVAC equipment		CATV outlet (coax + Cat 6)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>						
or requirements:		Sound reinforcement outlet	Yes in #1	or vinyl covered	~	~	$\checkmark$			
•			Yes in #1,	• Other						
		Projector outlet (1-port ceiling mounted	,	Base:						
Plumbing		Wireless access point outlet (2-port)	Req. coverage	Resilient rubber	✓	✓	✓			
Domestic water:			Yes in #1.	• Other						
• Hot	Yes in #1,2	Mobile projection cart outlet	K-6 only	Floors:						
• Cold	Yes in #1.2	Outlet (1-port) for future interactive	it o only	• VCT	~	✓	$\checkmark$			
Floor drain	Yes in #2	whiteboard	Yes in #1	Sheet vinvl	$\overline{}$	~	<u> </u>			
Sink(s): specialty type: SS large,		Speaker - ceiling mounted	Yes in #1	Sealed concrete	$\checkmark$	~	✓			
deep, single	Yes in #1,2	Clock	Yes in #1	• Other						
Specialty chemicals used down sin		Other communications/IT equipment	100	Ceilings:						
Acid waste	Yes in #1,2	or requirements:		<ul> <li>Minimum ceiling height</li> </ul>	9'0"	9'0"	9'0"			
Emergency shower	Yes in #1	•		<ul> <li>Exposed to structure - painted</li> </ul>	$\overline{\checkmark}$	<u>9'0"</u> ✓	<del></del>			
Evewash station	Yes in #1	-		Lay-in acoustical	~	$\overline{\checkmark}$	<u></u>			
Other plumbing equipment	100 111 # 1	Safety/Security		• Other		<u> </u>				
or requirements:		Nonmaster locks		Windows:						
•		Intrusion alarm system		<ul> <li>Windows/daylight into space required</li> </ul>	d Yes					
-		Access control		<ul> <li>Operable window required</li> </ul>	Yes					<u> </u>
		Other safety/security equipment		<ul> <li>Interior borrowed light window</li> </ul>	Yes					———
		or requirements:		Doors:	162					——
				• Wood	Yes	Yee	Yes			
		-		With glazed lites	Yes	Yee				
				Other	169	105				
							<u> </u>			

# A3040 DSC-5 Chemistry / Biology Lab Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide emergency light near door(s).
Room identification sign	Yes	6. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room number sign	Yes	7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other signage requirements:		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.
Fire Protection System		10. Above-counter receptacles shall be mounted in a steel raceway system.
Sprinklers:		11. Provide a receptacle mounted at +7'-0" for television.
Semi-recessed	Yes	Fire Protection:
Other fire protection equipment		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
or requirements:		
•		Key Space Design and Relationship Concepts
		1. Near other science classrooms
Program Activities		2. Adjacent to science prep room
1. Large group, small group, and individ	dual instruction	3. Located in academic "zone" that is away from noisy or public activities
2. Group and individual work		4. Access to media center and administrative services
3. Laboratory experimentation		5. Proximity to large group restrooms
<ol><li>Data collection and analysis</li></ol>		6. Flexibility of space
5. Demonstrations		
O D I I I I		

Project work

### Spatial Relationship Diagram

Chemistry / Biology Lab



# **HE-1 Home Economics Classroom**



- 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				

- 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

# **Chapter A4: Home Economics**

BIA School Facilities	Home Economics	"Vee" and "Ne" apply to all appage		Fixed Furnishings/Faultoment	44	40	40 44	45 46 47 A	10 HO HA	0 #14 #12
BIA School Facilities	Home Economics	"Yes" and "No" apply to all spaces # refers to Space Description designation	n .	Fixed Furnishings/Equipment Whiteboard (8'-0") Qtv	# <b>1</b> y 1	#2	43 #4 1	¥5 #6 #7 \$	78 #9 #1	0 #11 #12
Crease Description	<b>F</b> (	· · · · ·								
Space Description	For square footages,	✓ indicates approved feature, system, or	ormaterial		y <u>1</u>					
1. Home economics classroom	see space template	Assurational Complitions		Overhead projection screen Qty TV with wall mounting bracket Qty	$y \frac{1}{1}$					
2. Kitchen area		Acoustical Conditions Speech privacy	No	Casework:	y <u> </u>					
3. Laundry area		Special acoustical treatment needed	No	<ul> <li>Plastic laminate base cabinets</li> </ul>		Vaa				
4. Storage area		•	INO		Vaa	Yes Yes				
4. Storage area		Musical performance/singing/	No	Plastic laminate countertops     Diactic laminate upper achieves	Yes Yes					
		cheering expected	No	<ul> <li>Plastic laminate upper cabinets</li> <li>Tall wardrobe cabinet</li> </ul>	res	Yes				
		Electrical/Lighting								
		Electrical/Lighting	Vec in #1.2	• Locks		Yes				
		Specialized power requirements Power outlet minimum number	Yes in #1-3 Yes	<ul> <li>16" deep adjustable shelving</li> <li>Other</li> </ul>			Yes Yes			
			res							
		Lighting requirements:	Yes in #1-3	Other equipment requirements:		Vee				
		<ul> <li>Automatic lighting controls</li> <li>Direct/indirect lighting</li> </ul>	Yes in #1-3	<ul> <li>Demonstration million</li> <li>Soap dispenser</li> </ul>		Yes Yes				
		0 0								
		Multi-level switched	Yes in #1-3 Yes in #1-3	<ul> <li>Paper towel dispenser</li> <li>Microwave</li> </ul>		Yes Yes				
		<ul> <li>Emergency lighting</li> </ul>								
			Yes in #1,	Refrigerator		Yes	Vee			
Daily Occupancy Use		Ceiling outlet for projector	except in K-6	• Freezer		<u></u>	Yes			
9.5 hrs. (7:30 a.m.–5:00 p.m.)	N/	Other electrical/lighting equipment		• Range		Yes				
five days a week	Yes	or requirements:		• Oven		Yes				
After-hours use	No	•		<ul> <li>Dishwasher</li> <li>Washer</li> </ul>		Yes	Yes			
Environmental Conditions	).	Communications/IT Requirements	Vee in #4	• Dryer			Yes			
Air pressure (balanced is assumed)	,	Communication outlet (4-port) -teacher	Yes in #1			"0				
<ul> <li>Negative Hood requirements:</li> </ul>	Yes in #2,3,4	Communication outlet (1-port per		Interior Finishes Walls:	#1	#2	#3 #4 7	¥5 #6 #7 ‡	48 #9 #10	0 #11 #12
Kitchen hood	Yes in #2	computer station) CATV outlet (coax + Cat 6)	Yes in #1 Yes in #1	• CMU - painted						
Other HVAC equipment	165 111 #2	Sound reinforcement outlet	Yes in #1	<ul> <li>CMU - ground face, integral color</li> </ul>	<u> </u>	<u> </u>	<u> </u>			
or requirements:		Sound reinforcement outlet	Yes in #1,	<ul> <li>Standard gypsum board - painted</li> </ul>	<u> </u>	<u> </u>				
•		Projector outlet (1-port ceiling mounted)		or vinyl covered	1	1				
•		Wireless access point outlet (2-port)	Req. coverage	• Other	<u> </u>	<u> </u>	<u> </u>			
Plumbing		Mobile projection cart outlet	Yes in #1	Base:						
Domestic water:		Outlet (1-port) for future interactive	165 111 #1	Resilient rubber	1	1	✓ ✓			
Hot	Yes in #2,3	whiteboard	Yes in #1	Other	<u> </u>	<u> </u>				
Cold	Yes in #2,3	Speaker - ceiling mounted	Yes in #1	Floors:						
Floor drain	Yes in #3	Clock	Yes in #1	• VCT	1	~	✓ ✓			
Sink(s): specialty type: SS large,	103 111 #0	Other communications/IT equipment	103 111 #1	Sheet vinyl	<u> </u>	<u> </u>	$\overline{\checkmark}$			
deep, dual	Yes in #2	or requirements:		• Other		<u> </u>				
Garbage disposal	Yes in #2	•		Ceilings:						
Refrigerator w/ice maker connection		-	·	<ul> <li>Minimum ceiling height</li> </ul>	Q'//"	9'0"	a'n" a'n"			
Dishwasher connection & drain	Yes in #2	Safety/Security		<ul> <li>Exposed to structure - painted</li> </ul>	<u> </u>	$\overline{\checkmark}$	<u>9'0" 9'0"</u> -			
Washer connection & drain	Yes in #3	Nonmaster locks		Lay-in acoustical	$\overline{}$	$\overline{}$	$\overline{\checkmark}$			
Other plumbing equipment		Intrusion alarm system		• Other						
or requirements:		Access control		Windows:						
•		Other safety/security equipment		<ul> <li>Windows/daylight into space required</li> </ul>	d Yes					
		or requirements:		<ul> <li>Operable window required</li> </ul>	Yes					
		•		Doors:	. 00					
				• Wood	Yee	Yes	Yes Yes			
				With glazed lites	Yes	100				
				• Other	100					
				5						

A4000

# HE-1 Home Economics Classroom Space Criteria

# A4000 HE-1 Home Economics Classroom Space Criteria

### **Chapter A4: Home Economics**

Structural Requirements		Notes
Consider acoustic roof deck if no		Electric
ceiling is provided	Yes	1. Prov
Other structural requirements:		2. Prov
•		3. Prov
		4. Prov
Signage Requirements		5. Prov
Room identification sign	Yes	6. Prov
Room number sign	Yes	7. Prov
Other signage requirements:		8. Prov
•		9. Prov
		10. Pro
Fire Protection System		Fire Pr
Sprinklers:		1. Prov
<ul> <li>Semi-recessed</li> </ul>	Yes	
Other fire protection equipment		Key S
or requirements:		1. Grou
<ul> <li>High-temperature heads as req.</li> </ul>	Yes in #2	2. Adja
<ul> <li>Kitchen hood fire suppression</li> </ul>		
as req.	Yes in #2	Spatia
		Hom
Program Activities		
1. Houses the facilities for the home e	conomics	
programs, family living program, an	d consumer	
science programs.		

- 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

#### Iome Economics Classroom



# **HE-2** Clothing Design Classroom



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

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

- 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

#### **Chapter A4: Home Economics**

BIA School Facilities	Clothing Design	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1 #	#2 #3 #4 <u></u> #{	5 #6 #7 #8	#9 #10 #11 #12
		# refers to Space Description designation		Whiteboard (8'-0") Qty	1			
Space Description	For square footages,	<ul> <li>✓ indicates approved feature, system, o</li> </ul>	r material		1			
	see space template			Overhead projection screen Qty	1			
<ol> <li>Clothing design classroom</li> </ol>		Acoustical Conditions			1			
<ol><li>Laundry/storage area</li></ol>		Speech privacy	No	Casework:				
3. Storage area		Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes			
		Musical performance/singing/		<ul> <li>Plastic laminate countertops</li> </ul>	Yes			
		cheering expected	No	<ul> <li>Plastic laminate upper cabinets</li> </ul>	Yes			
				<ul> <li>Tall wardrobe cabinet</li> </ul>		Yes		
		Electrical/Lighting		Locks		Yes		
		Specialized power requirements	Yes in #1,2	<ul> <li>16" deep adjustable shelving</li> </ul>	<u> </u>	Yes Yes		
		Specialty outlets/dedicated circuit	Yes	Other equipment requirements:				
		Lighting requirements:		Washer		Yes		
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1	• Dryer	<u> </u>	Yes		
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1					
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1					
			Yes in #1,					
		Ceiling outlet for projector	except in K-6					
Daily Occupancy Use		Other electrical/lighting equipment		Interior Finishes	#1 #	#2 #3 #4 #5	5 #6 #7 #8	#9 #10 #11 #12
9.5 hrs. (7:30 a.m.–5:00 p.m.)		or requirements:		Walls:				
five days a week	Yes	•		<ul> <li>CMU - painted</li> </ul>	✓	✓ <u>✓</u>		
After-hours use	No			<ul> <li>CMU - ground face, integral color</li> </ul>	$\checkmark$			
		Communications/IT Requirements		<ul> <li>Standard gypsum board - painted</li> </ul>				
<b>Environmental Conditions</b>		Communication outlet (4-port) -teacher	Yes in #1	or vinyl covered	✓	<u> </u>		
Air pressure (balanced is assumed	/	Communication outlet (1-port per		• Other				
<ul> <li>Negative</li> </ul>	Yes in #2,3	computer station)	Yes in #1	Base:				
Other HVAC equipment		CATV outlet (coax + Cat 6)	Yes in #1	<ul> <li>Resilient rubber</li> </ul>	<u>✓</u>	<u> </u>		
or requirements:		Sound reinforcement outlet	Yes in #1	Other				
•			Yes in #1,	Floors:				
		Projector outlet (1-port ceiling mounted)		Carpet	✓			
Plumbing			Req. coverage	• VCT		✓ ✓		
Domestic water:		Mobile projection cart outlet	Yes in #1	<ul> <li>Sheet vinyl</li> </ul>	<u> </u>	✓ <u>✓</u>		
• Hot	Yes in #2	Outlet (1-port) for future interactive		• Other				
Cold	Yes in #2	whiteboard	Yes in #1	Ceilings:				
Floor drain	Yes in #2	Speaker - ceiling mounted	Yes in #1	<ul> <li>Minimum ceiling height</li> </ul>	9'0" 9	9'0" 9'0"		
Washer connection & drain	Yes in #2	Clock	Yes in #1	<ul> <li>Exposed to structure - painted</li> </ul>				
Other plumbing equipment		Other communications/IT equipment		<ul> <li>Lay-in acoustical</li> </ul>	~	✓ ✓		
or requirements:		or requirements:		• Other				
•		•		Windows:				
				Windows/daylight into space required				
		Safety/Security		<ul> <li>Operable window required</li> </ul>	Yes			
		Nonmaster locks		Doors:				
		Intrusion alarm system		• Wood	Yes	Yes Yes		
		Access control		With glazed lites	Yes			
		Other safety/security equipment		Other				
		or requirements:						

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# A4010 HE-2 Clothing Design Classroom Space Criteria

# A4010 HE-2 Clothing Design Classroom Space Criteria

# **Chapter A4: Home Economics**

Consider acoustic roof deck if no       Electrical:         ceiling is provided       Yes       1. Provide wall switch type occupancy sensor.         Other structural requirements:       2. Provide automatic shut-off via building management system time clock.         •       3. Provide multi-level light switching.	
Other structural requirements:       2. Provide automatic shut-off via building management system time clock.         3. Provide multi-level light switching.	
3. Provide multi-level light switching.	
4. Provide direct/indirect lighting system.	
Signage Requirements 5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.	
Room identification sign Yes 6. Provide a receptacle mounted at +7'-0" for television.	
Room number sign Yes Fire Protection:	
Other signage requirements: 1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.	
•	
Fire Protection System Key Space Design and Relationship Concepts	
Sprinklers: 1. Grouped with other noise-producing areas	
Semi-recessed Yes 2. Adjacent to other specialized classroom spaces	
Other fire protection equipment	
or requirements:	
Spatial Relationship Diagram	
Region Adjuilies Clothing Design Classroom	
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 ACADEMIC CORE	



# **HE-3 Food Preparation and Nutrition Classroom**



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

CAPACITY: SIZE:	16 students 1.200 s.f.	
ANCILLARY SPACES:	Storage Area	200 s.f.
	(Includes laundry area)	

- 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

#### **Chapter A4: Home Economics**

	Prep & Nutrition	"Yes" and "No" apply to all spaces # refers to Space Description designatio	n	Fixed Furnishings/Equipment Whiteboard (8'-0") Qty	<u>1</u>			#5 #6 #7		
pace Description Fo	r square footages,	✓ indicates approved feature, system, o	or material	Tackboard (4'-0") Qty						
	e space template			Overhead projection screen Qty						
Food preparation and nutrition classr	room	Acoustical Conditions		TV with wall mounting bracket Qty						
Laundry/storage area		Speech privacy	No	Casework:						
Storage area		Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes					
		Musical performance/singing/		<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes	Yes				
		cheering expected	No	<ul> <li>Plastic laminate countertops</li> </ul>		Yes				
		5 1 1 1 1		<ul> <li>Tall wardrobe cabinet</li> </ul>	Yes					
		Electrical/Lighting		• Locks	Yes					
		Specialized power requirements	Yes in #1,2	<ul> <li>16" deep adjustable shelving</li> </ul>			Yes			
		Power outlet minimum number	Yes	Other equipment requirements:						
		Lighting requirements:		Demonstration mirror	Yes					
		Automatic lighting controls	Yes in #1	Soap dispenser	Yes					
		Multi-level switched	Yes in #1	Paper towel dispenser	Yes					
			Yes in #1,	Refrigerator	Yes					
		Ceiling outlet for projector	except in K-6	• Freezer			Yes			
		Other electrical/lighting equipment		• Range	Yes					
aily Occupancy Use		or requirements:		• Oven	Yes					
5 hrs. (7:30 a.m.–5:00 p.m.)		•		Dishwasher	Yes					
ive days a week	Yes	-		Washer		Yes				
ter-hours use	No	Communications/IT Requirements		• Dryer		Yes				
		Communication outlet (4-port) -teacher	Yes in #1	e Bryon		100				
vironmental Conditions		Communication outlet (1-port) touchor	100 11 // 1							
r pressure (balanced is assumed):		computer station)	Yes in #1	Interior Finishes	#1	#2	#3 #4	#5 #6 #7	7 #8 #9	#10 #11
Negative	Yes	CATV outlet (coax + Cat 6)	Yes in #1	Walls:	<i>"</i> 1	<i>111</i>	<b>"</b> ••	# <b>0</b> #0 #1	#0 #3	#10 #11
bood requirements:	103	Sound reinforcement outlet	Yes in #1	CMU - painted	~	1	~			
Kitchen hood	Yes in #1	Sound remote ment outlet	Yes in #1,	CMU - ground face, integral color	$\overline{\checkmark}$	<u> </u>	<u> </u>			
ther HVAC equipment	103 111 #1	Projector outlet (1-port ceiling mounted)		Standard gypsum board - painted						
pr requirements:		Wireless access point outlet (2-port)	Req. coverage	or vinyl covered	1	1	1			
		Wheless access point outlet (2-poin)	Yes in #1,	Other	<u> </u>	<u> </u>				
		Mobile projection cart outlet	Yes in #1	Base:						
umbing		Outlet (1-port) for future interactive	165 111 #1	Resilient rubber	1	1	1			
omestic water:		whiteboard	Yes in #1	Other	<u> </u>	<u> </u>	<u> </u>			
Hot	Yes in #1,2	Speaker - ceiling mounted	Yes in #1	Floors:						
• Cold	Yes in #1,2	Clock	Yes in #1	• VCT	1	1	1			
por drain	Yes in #2	Other communications/IT equipment	165 111 #1	Sheet vinyl	<u> </u>	$\frac{\checkmark}{\checkmark}$	<u> </u>			
nk(s): specialty type: SS large,	163 111 #2	or requirements:		Other	<u> </u>	<u> </u>	<u> </u>			
eep, dual	Yes in #1,2	•		• Other Ceilings:						
rbage disposal	Yes in #1	•		<ul> <li>Minimum ceiling height</li> </ul>	0'0"	9'0"	0'0"			
arbage disposal	Yes in #1	Sofoty/Socurity		<ul> <li>Minimum ceiling neight</li> <li>Exposed to structure - painted</li> </ul>	90	90	<u>90°</u>			
shwasher connection & drain	Yes in #1	Safety/Security Nonmaster locks		<ul> <li>Exposed to structure - painted</li> <li>Lay-in acoustical</li> </ul>	<u> </u>	<u>,</u>	<u> </u>			
				Lay-in acoustical     Other	<u> </u>		<u> </u>			
asher connection & drain	Yes in #2	Intrusion alarm system		• Other Windows:						
ther plumbing equipment		Access control								
r requirements:		Other safety/security equipment		Windows/daylight into space required						
		or requirements:		Operable window required	Yes					
		•		Interior borrowed light window	Yes					
				Doors:	¥-	¥-	V			
				Wood	Yes	Yes	res			
				With glazed lites	Yes					
				Other						

В March 30, 2007 A4020

# HE-3 Food Preparation and Nutrition Classroom Space Criteria

# **Chapter A4: Home Economics**

# A4020 HE-3 Food Preparation and Nutrition Classroom Space Criteria

Structural Requirements Consider acoustic roof deck if no		Notes
ceiling is provided	Yes	Electrical: 1. Provide wall switch type occupancy sensor.
Other structural requirements:	165	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.
Signage Requirements		5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Room identification sign	Yes	6. Provide dedicated power to each piece of kitchen equipment within this room.
Room number sign	Yes	7. Provide a receptacle mounted at +7'-0" for television.
Other signage requirements:		Fire Protection:
•		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Fire Protection System		Key Space Design and Relationship Concepts
Sprinklers:		1. Grouped with other noise-producing areas
<ul> <li>Semi-recessed</li> </ul>	Yes	2. Adjacent to other specialized classroom spaces
Other fire protection equipment		
or requirements:		
<ul> <li>High-temperature heads as req.</li> </ul>	Yes in #1	Spatial Relationship Diagram
<ul> <li>Kitchen hood fire suppression</li> </ul>		Food Preparation and Nutrition Classroom
as req.	Yes in #1	
Program Activities	(b 1	
1. Houses the facilities for the food pre		
nutrition programs, family living prog	ram, and	
consumer science programs. 2. Activities will include hands-on work.	domonstrations	
and lectures, delivered to individuals	· · ·	
and rectures, derivered to individuals	s, sman groups,	

and the full group.

 Storage area can be enclosed room or casework within the classroom.



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



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

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

- 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

#### **Chapter A5: Practical and Fine Arts**

#### **BIA School Facilities Grades 1-3 Practical&Fine Arts** "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. Grades 1 thru 3 practical and fine arts classroom **Acoustical Conditions** 2. Storage area 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: Yes in #1 • Automatic lighting controls Direct/indirect lighting Yes in #1 Multi-level switched Yes in #1 Adjustable track lighting Yes in #1 Other electrical/lighting equipment Daily Occupancy Use or requirements: 9.5 hrs. (7:30 a.m.-5:00 p.m.) . five days a week Yes After-hours use No **Communications/IT Requirements** Communication outlet (4-port) - teacher Yes in #1 Communication outlet (1-port per **Environmental Conditions** Air pressure (balanced is assumed): computer station) Yes in #1 Yes CATV outlet (coax + Cat 6) Yes in #1 Negative Hood requirements: Sound reinforcement outlet Yes in #1 • Hood potential only required Wireless access point outlet (2-port) Yes in #1 Req. coverage Other HVAC equipment Mobile projection cart outlet Yes in #1 or requirements: Outlet (1-port) for future interactive whiteboard Yes in #1 . Speaker - ceiling mounted Yes in #1 Plumbing Clock Yes in #1 Domestic water: Other communications/IT equipment Yes in #1 Hot or requirements: Cold Yes in #1 ٠ Sinks: specialty type: SS large, deep, single Yes in #1 Safety/Security Plaster sink traps Yes in #1 Nonmaster locks

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- Other plumbing equipment or requirements:
- ٠

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

# PFA-1 Grades 1 thru 3 Practical and Fine Arts Classroom Space Criteria

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
· · · · ·	Qty	1											
	Qty	2											
	Qty												
TV with wall mounting bracket	Qty	1											
Casework:													
<ul> <li>1' deep shelf w/coat hooks</li> </ul>		Yes											
<ul> <li>Plastic laminate base cabinets</li> </ul>		Yes											
<ul> <li>Plastic laminate countertops</li> </ul>		Yes											
<ul> <li>Plastic laminate upper cabinets</li> </ul>		Yes											
<ul> <li>Tall wardrobe cabinet</li> </ul>		Yes			-								
Locks		Yes											
<ul> <li>16" deep adjustable shelving</li> </ul>			Yes										
Other furnishings/millwork/													
equipment or requirements:													
Soap dispenser		Yes											
<ul> <li>Paper towel dispenser</li> </ul>		Yes											
		105											
Interior Finishes		#1	#2	#3	#4	#5	#6	#7	#8	#9	#40	444	#40
Walls:		#1	#Z	#3	#4	# <b>5</b>	#0	#1	#o	#9	#10	#11	#1Z
			1										
CMU - painted		<u> </u>	<u> </u>										
CMU - ground face, integral color		<u> </u>											
Standard gypsum board - painted		,	,										
or vinyl covered		~											
• Other													
Base:		,	,										
Resilient rubber		✓	~										
Other													
Floors:													
• VCT		✓	<u> </u>										
<ul> <li>Sheet vinyl</li> </ul>		✓	✓										
<ul> <li>Sealed concrete</li> </ul>		✓	✓										
Other													
Ceilings:													
<ul> <li>Minimum ceiling height</li> </ul>		9'0"	9'0"										
<ul> <li>Exposed to structure - painted</li> </ul>		✓	✓										
Lay-in acoustical		✓	$\checkmark$										
Other													
Windows:													
<ul> <li>Windows/daylight into space requi</li> </ul>	red	Yes											
Operable window required		Yes											
Doors:													
• Wood		Yes	Yes										
With glazed lites		Yes	163	—									
Other		162											

A5000

### **Chapter A5: Practical and Fine Arts**

# A5000 PFA-1 Grades 1 thru 3 Practical and Fine Arts Classroom Space Criteria

Structural Requirements		Notes
Special suspended loading requirements:		Electrical:
<ul> <li>Coordinate Unistrut hanging system</li> </ul>		1. Provide wall switch type occupancy sensor.
from underside of structure	Yes	2. Provide automatic shut-off via building management system time clock.
Consider acoustic roof deck if no		3. Provide multi-level light switching.
ceiling is provided	Yes	4. Provide direct/indirect lighting system.
Other structural requirements:		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.
Signage Requirements		Fire Protection:
Room identification sign	Yes	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Room number sign	Yes	
Other signage requirements:		Key Space Design and Relationship Concepts
•		1. Near academic core classrooms
		2. Direct access to outdoors
Fire Protection System		

#### Sprinklers:

 Semi-recessed 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.

#### Spatial Relationship Diagram

Yes

Grades 1 thru 3 Practical and Fine Arts Classroom


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



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

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

- 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

# **Chapter A5: Practical and Fine Arts**

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

BIA School Facilities Grades 1-8 P	ractical&Fine Arts	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
Bin-ochoor admites orades 1-0 1		# refers to Space Description designatio	n	Whiteboard (8'-0") Qty	<u> </u>
Space Description F	For square footages,	✓ indicates approved feature, system, of		Tackboard (4'-0") Qty	<u>1</u>
	see space template	· maioales approved leature, system, o	material	Overhead projection screen Qty	
1. Grade 1 thru 8 practical and fine ar		Acoustical Conditions		TV with wall mounting bracket Qty	
2. Storage area	115 01855100111	Speech privacy	No	Casework:	<u> </u>
2. Storage area		Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Voc
		Musical performance/singing/	INU	<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes
		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> <li>Plastic laminate countertops</li> </ul>	Yes
		cheening expected	INU	<ul> <li>Plastic laminate countertops</li> <li>Plastic laminate upper cabinets</li> </ul>	Yes
		Electrical/Lighting		Tall wardrobe cabinet	Yes
		Specialized power requirements	Vec in #1	Locks	Yes
			Yes in #1	<ul> <li>LOCKS</li> <li>16" deep adjustable shelving</li> </ul>	<u>Yes</u>
		Power outlet minimum number	Yes		Yes
		Lighting requirements:	Vac in #1	Other furnishings/millwork/	
		Automatic lighting controls	Yes in #1	<ul><li>equipment or requirements:</li><li>Soap dispenser</li></ul>	Vee
		<ul> <li>Direct/indirect lighting</li> <li>Multi-level switched</li> </ul>	Yes in #1		Yes
			Yes in #1	<ul> <li>Paper towel dispenser</li> </ul>	
		Adjustable track lighting     Other electrical/lighting equipment	Yes in #1		
		Other electrical/lighting equipment		Interior Finishes	<u></u>
Daily Occupancy Use		or requirements:		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
9.5 hrs. (7:30 a.m.–5:00 p.m.)	Vez	•		Walls:	
five days a week	Yes			CMU - painted	
After-hours use	No	Communications/IT Requirements	Veel #4	CMU - ground face, integral color	<u>·</u>
		Communication outlet (4-port) - teacher	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>	
Environmental Conditions		Communication outlet (1-port per	N/	or vinyl covered	
Air pressure (balanced is assumed):	N/	computer station)	Yes in #1	• Other	
Negative	Yes	CATV outlet (coax + Cat 6)	Yes in #1	Base:	
Hood requirements:		Sound reinforcement outlet	Yes in #1	Resilient rubber	<u> </u>
Hood potential only required	Yes in #1	<b>5 1 1 1 1 1 1 1 1 1 1</b>	Yes in #1,	• Other	
Other HVAC equipment		Projector outlet (1-port, ceiling mounted)		Floors:	, ,
or requirements:		Wireless access point outlet (2-port)	Req. coverage	• VCT	
•			Yes in #1,	Sheet vinyl	
		Mobile projection cart outlet	K-6 only	Sealed concrete	<u>✓ ✓ </u>
Plumbing		Outlet (1-port) for future interactive		• Other	
Domestic water:		whiteboard	Yes in #1	Ceilings:	
• Hot	Yes in #1	Speaker - ceiling mounted	Yes in #1	Minimum ceiling height	9'0"
• Cold	Yes in #1	Clock	Yes in #1	<ul> <li>Exposed to structure - painted</li> </ul>	
Sinks: specialty type: SS large,		Other communications/IT equipment		Lay-in acoustical	<u>✓ ✓</u> <u>— — — — — — — — — — — — — — — — — — —</u>
deep, single	Yes in #1	or requirements:		• Other	
Plaster sink traps	Yes in #1	•		Windows:	
Other plumbing equipment				<ul> <li>Windows/daylight into space required</li> </ul>	Yes
or requirements:		Safety/Security		<ul> <li>Operable window required</li> </ul>	Yes
•		Nonmaster locks		Doors:	
		Intrusion alarm system		• Wood	Yes
		Access control		<ul> <li>With glazed lites</li> </ul>	Yes
		Other safety/security equipment		Other	

- or requirements:
- **BIA School Facilities Space Templates** March 30, 2007

A5010

# **Chapter A5: Practical and Fine Arts**

# A5010 PFA-2 Grades 1 thru 8 Practical and Fine Arts Classroom Space Criteria

Structural Requirements		Notes
Special suspended loading requirements:		Electrical:
<ul> <li>Coordinate Unistrut hanging system</li> </ul>		1. Provide wall switch type occupancy sensor.
from underside of structure	Yes	2. Provide automatic shut-off via building management system time clock.
Consider acoustic roof deck if no		3. Provide multi-level light switching.
ceiling is provided	Yes	4. Provide direct/indirect lighting system.
Other structural requirements:		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.
Signage Requirements		Fire Protection:
Room identification sign	Yes	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Room number sign	Yes	
Other signage requirements:		Key Space Design and Relationship Concepts
•		1. Near academic core classrooms
		2. Direct access to outdoors
Fire Protection System		

#### Sprinklers:

 Semi-recessed 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.

Yes

#### Spatial Relationship Diagram

Grades 1 thru 8 Practical and Fine Arts Classroom



# PFA-3 Grades 1 thru 8 Music Programs Classroom



- Loose furnishings shown represent one of many possible arrangements.
   Exterior window locations may be modified.
- CAPACITY:25 studentsSIZE:1,250 s.f.ANCILLARY SPACES:Storage Area120 s.f.

- 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

# **Chapter A5: Practical and Fine Arts**

#### BIA School Facilities Grades 1-8 Music Programs "Yes" and "No" apply to all spaces Fixed Furnishings/Equipment #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 # refers to Space Description designation Whiteboard (8'-0") Qty 1 For square footages, ✓ indicates approved feature, system, or material Tackboard (4'-0") Qty 2 Space Description see space template Overhead projection screen Qty 1 1. Grades 1 thru 8 music programs classroom **Acoustical Conditions** TV with wall mounting bracket Qty 1 2. Storage area Speech privacy Yes Casework: Special acoustical treatment needed Yes • 1' deep shelf w/coat hooks Yes Musical performance/singing/ • Plastic laminate base cabinets Yes cheering expected Plastic laminate countertops Yes Yes • Tall wardrobe cabinet Yes Electrical/Lighting Locks Yes Platform risers Specialized power requirements Yes in #1 Yes Power outlet minimum number Yes 16" deep adjustable shelving Yes Other furnishings/millwork/ Lighting requirements: equipment or requirements: • Automatic lighting controls Yes in #1 Yes in #1 Indirect low glare Acoustical wall panels Yes Multi-level switched Yes in #1 Acoustical ceiling elements Yes Other electrical/lighting equipment Soap dispenser Yes • Paper towel dispenser Yes or requirements: Music storage cabinets Yes Daily Occupancy Use Yes 9.5 hrs. (7:30 a.m.-5:00 p.m.) five days a week **Communications/IT Requirements** Interior Finishes Yes #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 After-hours use Communication outlet (4-port) - teacher Yes in #1 Walls: No Communication outlet (1-port per • CMU - painted computer station) • CMU - ground face, integral color **Environmental Conditions** Yes in #1 Air pressure (balanced is assumed): CATV outlet (coax + Cat 6) Yes in #1 Standard gypsum board - painted Yes in #2 Sound reinforcement outlet Yes in #1 or vinyl covered Negative Other HVAC equipment Wireless access point outlet (2-port) Req. coverage Other or requirements: Mobile projection cart outlet Yes in #1 Base: Outlet (1-port) for future interactive Resilient rubber whiteboard Yes in #1 Other **Plumbing** Speaker - ceiling mounted Yes in #1 Floors: Clock Domestic water: Yes in #1 Carpet Other communications/IT equipment Yes in #1 VCT $\checkmark$ Yes in #1 Other or requirements: Sinks: specialty type: SS large, Ceilinas: deep, single Yes in #1 Minimum ceiling height 10' 10' Other plumbing equipment Safety/Security · Lay-in acoustical or requirements: Other Nonmaster locks Intrusion alarm system Windows: Access control • Windows/daylight into space required Yes Other safety/security equipment • Operable window required Yes or requirements: Doors: Wood Yes Yes Yes Sound retardant Other

Hot

.

Cold

A5020

# PFA-3 Grades 1 thru 8 Music Programs Classroom Space Criteria

# **Chapter A5: Practical and Fine Arts**

# A5020 PFA-3 Grades 1 thru 8 Music Programs Classroom Space Criteria

Structural Requirements		Notes
Other structural requirements:		<u>Electrical:</u>
•		1. Provide wall switch type occupancy sensor.
		2. Provide automatic shut-off via building management system time clock.
Signage Requirements		3. Provide multi-level light switching.
Room identification sign	Yes	4. Provide indirect lighting system.
Room number sign	Yes	5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Other signage requirements:		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 System		Key Space Design and Relationship Concepts
Sprinklers:		1. Grouped with other noise-producing activities
Semi-recessed	Yes	2. Near platform
Other fire protection equipment		
or requirements:		
•		
Program Activities		Spatial Relationship Diagram

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.

Grades 1 thru 8 Music Programs Classroom



# **PA-1 Practical Arts Classroom**



- 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

- 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

# **Chapter A6: Practical Arts for High Schools**

BIA School Facilities High Sch	hool Practical Arts	"Yes" and "No" apply to all spaces # refers to Space Description designation	n	Fixed Furnishings/Equipment Whiteboard (8'-0") Qty	1	#2	#3
Space Description	For square footages,	✓ indicates approved feature, system, or		Tackboard (4'-0") Qty	2		
	see space template			Overhead projection screen Qty			
1. Practical arts classroom		Acoustical Conditions		TV with wall mounting bracket Qty	1		
2. General storage area		Speech privacy	No	Casework:			
3. Project storage area*		Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes		
4. Flammables storage area*		Musical performance/singing/		<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes		Yes
5. Kiln room*		cheering expected	No	Plastic laminate countertops	Yes		Yes
6. Greenware room*				Plastic laminate upper cabinets	Yes		Yes
		Electrical/Lighting		<ul> <li>Tall wardrobe cabinet</li> </ul>	Yes		
* Requires BIE approval		Power outlet minimum number	Yes	• Locks			Yes
···· d		Specialty outlets/dedicated circuit	Yes	<ul> <li>16" deep adjustable shelving</li> </ul>		Yes	
		Lighting requirements:		Other furnishings/millwork/			
		Automatic lighting controls	Yes in #1	equipment or requirements:			
		Direct/indirect lighting	Yes in #1	Soap dispenser	Yes		
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1	<ul> <li>Paper towel dispenser</li> </ul>	Yes		
		<ul> <li>Adjustable track lighting</li> </ul>	Yes in #1	<ul> <li>Kiln w/noncombustible material</li> </ul>			
		Ceiling outlet for projector	Yes in #1	on wall			
Daily Occupancy Use		Other electrical/lighting equipment	100 111 // 1				
9.5 hrs. (7:30 a.m.–5:00 p.m.)		or requirements:		Interior Finishes	#1	#2	#3
five days a week	Yes	•		Walls:			
After-hours use	No			CMU - painted	✓	✓	$\checkmark$
		Communications/IT Requirements		CMU - ground face, integral color	~		
Environmental Conditions		Communication outlet (4-port) - teacher	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>			
Air pressure (balanced is assumed)		Communication outlet (1-port per		or vinyl covered	~	✓	✓
Negative	Yes	computer station)	Yes in #1	• Other			
Flammables storage exhaust	Yes in #4	CATV outlet (coax + Cat 6)	Yes in #1	Base:			
Kiln exhaust	Yes in #5	Sound reinforcement outlet	Yes in #1	<ul> <li>Resilient rubber</li> </ul>	~	✓	✓
Other HVAC equipment		Projector outlet (1-port, ceiling mounted)		Other			
or requirements:		Wireless access point outlet (2-port)	Reg. coverage	Floors:			
•		Outlet (1-port) for future interactive		• VCT	~	✓	✓
		whiteboard	Yes in #1	Sheet vinvl	$\checkmark$	~	$\checkmark$
Plumbing		Speaker - ceiling mounted	Yes in #1	Sealed concrete	~	~	$\checkmark$
Domestic water:		Clock	Yes in #1	Other			
• Hot	Yes in #1	Other communications/IT equipment		Ceilings:			
Cold	Yes in #1	or requirements:		<ul> <li>Minimum ceiling height</li> </ul>	9'0"	9'0"	9'0"
Sinks: specialty type: SS large,		•		<ul> <li>Exposed to structure - painted</li> </ul>	~	~	~
deep, single	Yes in #1			Lay-in acoustical	$\checkmark$	~	$\checkmark$
Plaster sink traps	Yes in #1	Safety/Security		• Other			
Other plumbing equipment		Nonmaster locks		Windows:			
or requirements:		Intrusion alarm system		<ul> <li>Windows/daylight into space required</li> </ul>	Yes		
•		Access control		Operable window required	Yes		
		Other safety/security equipment		Doors:			
		or requirements:		• Wood	Yes	Yes	Yes
		•		With glazed lites	Yes		
				3			

# PA-1 Practical Arts Classroom Space Criteria

A6000

Fixed Furnishings/Equipment	0	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
( )	Qty	1 2											
	Qty Qty	1											
	Qty	1							·				
Casework:	Qty	<u> </u>											
<ul> <li>1' deep shelf w/coat hooks</li> </ul>		Yes											
Plastic laminate base cabinets		Yes		Yes									
Plastic laminate countertops		Yes		Yes									
<ul> <li>Plastic laminate upper cabinets</li> </ul>		Yes		Yes									
<ul> <li>Tall wardrobe cabinet</li> </ul>		Yes											
Locks		_		Yes									_
<ul> <li>16" deep adjustable shelving</li> </ul>			Yes		Yes	Yes	Yes						
Other furnishings/millwork/													
equipment or requirements:													
Soap dispenser		Yes											
Paper towel dispenser		Yes											
Kiln w/noncombustible material						V							
on wall						Yes							
Interior Finishes		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:													
CMU - painted		<u> </u>	~	✓	~	~	~						
CMU - ground face, integral color		~											
<ul> <li>Standard gypsum board - painted or vinyl covered</li> </ul>		1	1	1	1	1	1						
Other		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		· —		—	—	—
Base:		—	—						· —		—	—	
Resilient rubber		✓	~	$\checkmark$	~	✓	~						
• Other													
Floors:									· —				
• VCT		~	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$						
<ul> <li>Sheet vinyl</li> </ul>		✓	✓	$\checkmark$	✓	✓	$\checkmark$						
<ul> <li>Sealed concrete</li> </ul>		✓	✓	✓	✓	✓	✓						
Other													
Ceilings:													
Minimum ceiling height		9'0"	9'0"	9'0"	9'0"	9'0"							
Exposed to structure - painted		<u> </u>	<u> </u>	$\overline{\checkmark}$	<u> </u>	<u> </u>	$\overline{\checkmark}$						
<ul> <li>Lay-in acoustical</li> <li>Other</li> </ul>		~	~	~	~	~	~		· —			—	
• Other Windows:			—		—				·				—
<ul> <li>Windows:</li> <li>Windows/daylight into space requi</li> </ul>	rod	Voc											
<ul> <li>Operable window required</li> </ul>	ieu	Yes	—		—		—					—	
• Operable window required		162	—		—		—					—	
• Wood		Yes	Yes	Yes	Yes	Yes	Yes						
With glazed lites		Yes	. 00			. 00	. 00						
• Other													

March 30, 2007

# **Chapter A6: Practical and Fine Arts**

Structural Requirements		Notes
Special suspended loading requirements:		<u>Electrical:</u>
<ul> <li>Coordinate Unistrut hanging system</li> </ul>		1. Provide wall switch type occupancy sensor.
from underside of structure	Yes	2. Provide automatic shut-off via building management system time clock.
Consider acoustic roof deck if no		3. Provide multi-level light switching.
ceiling is provided	Yes	4. Provide direct/indirect lighting system.
Other structural requirements:		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.
Signage Requirements		8. Provide a receptacle mounted at +7'-0" for television.
Room identification sign	Yes	Fire Protection:
Room number sign	Yes	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Other signage requirements:		
•		Key Space Design and Relationship Concepts
		1. Near academic core classrooms
Fire Protection System		2. Direct access to outdoors

#### Sprinklers:

Semi-recessed

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.

## Spatial Relationship Diagram

Yes

**High School Practical Arts Classroom** 



# **FA-1 Music and Choral Classroom**



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

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

- 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

# **Chapter A7: Fine Arts for High Schools**

BIA School Facilities Music and	Choral Classroom	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
BIA School Pacifices Music and	Choral Classicolli	# refers to Space Description designation	n		
Canada Deserintian				Tasking and (41.011)	2
	For square footages,	✓ indicates approved feature, system, or	material		2
	see space template			Overhead projection screen Qty	
1. Music and choral classroom		Acoustical Conditions	N N		
2. Instrument storage		Speech privacy	Yes	Casework:	
		Special acoustical treatment needed	Yes	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	
		Musical performance/singing/		<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes
		cheering expected	Yes	<ul> <li>Plastic laminate countertops</li> </ul>	Yes
				<ul> <li>Plastic laminate upper cabinets</li> </ul>	Yes
		Electrical/Lighting		<ul> <li>Tall wardrobe cabinet</li> </ul>	Yes
		Specialized power requirements	Yes in #1	Locks	Yes
		Power outlet minimum number	Yes	<ul> <li>Platform risers</li> </ul>	Yes
		Lighting requirements:		<ul> <li>16" deep adjustable shelving</li> </ul>	Yes
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1	<ul> <li>Musical instrument storage</li> </ul>	Yes
		<ul> <li>Indirect low glare</li> </ul>	Yes in #1	Other furnishings/millwork/	
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1	equipment or requirements:	
		Ceiling outlet for projector	Yes in #1	<ul> <li>Acoustical wall panels</li> </ul>	Yes
		Other electrical/lighting equipment		<ul> <li>Acoustical ceiling elements</li> </ul>	Yes
Daily Occupancy Use		or requirements:		Soap dispenser	Yes
9.5 hrs. (7:30 a.m5:00 p.m.)		•		<ul> <li>Paper towel dispenser</li> </ul>	Yes
five days a week	Yes				
After-hours use	No	Communications/IT Requirements		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
		Communication outlet (4-port) - teacher	Yes in #1	Walls:	
Environmental Conditions		Communication outlet (1-port per		CMU - painted	<u> </u>
Air pressure (balanced is assumed):		computer station)	Yes in #1	CMU - ground face, integral color	
Negative	Yes in #2	CATV outlet (coax + Cat 6)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>	
Other HVAC equipment	100 111/2	Sound reinforcement outlet	Yes in #1	or vinyl covered	$\checkmark$
or requirements:		Projector outlet (1-port) ceiling mounted	Yes in #1	• Other	
•			Req. coverage	Base:	
-		Outlet (1-port) for future interactive	rtog. covorago	Resilient rubber	<u> </u>
Plumbing		whiteboard	Yes in #1	• Other	<u> </u>
Domestic water:		Speaker - ceiling mounted	Yes in #1	Floors:	
Hot	Yes in #1	Clock	Yes in #1	Carpet	
Cold	Yes in #1	Other communications/IT equipment	165111#1	• Other	<u> </u>
Sinks: specialty type: SS large, deep		or requirements:		Ceilings:	
deep, single		or requirements:		<ul> <li>Minimum ceiling height</li> </ul>	10' 0'
Other plumbing equipment	Yes in #1	•		Lay-in acoustical	
					<u> </u>
or requirements:		Safety/Security		• Other	
•		Nonmaster locks		Windows:	N
		Intrusion alarm system			
		Access control		Operable window required	Yes
		Other safety/security equipment		Doors:	
		or requirements:		• Wood	Yes
		•		<ul> <li>Sound retardant</li> </ul>	Yes
				<ul> <li>Other</li> </ul>	

# A7000 FA-1 Music and Choral Classroom Space Criteria

# **Chapter A7: Fine Arts for High Schools**

Structural Requirements	Notes
Other structural requirements:	Electrical:
•	1. Provide wall switch type occupancy sensor.
	2. Provide automatic shut-off via building management system time clock.
Signage Requirements	3. Provide multi-level light switching.
Room identification sign Yes	4. Provide indirect lighting system.
Room number sign Yes	5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Other signage requirements:	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 System         Sprinklers:         • Semi-recessed       Yes         Other fire protection equipment         or requirements:         •	Key Space Design and Relationship Concepts 1. Grouped with other noise-producing activities 2. Near platform
<ul> <li>Program Activities</li> <li>1. All instrumental music activities, including orchestra concert jazz, and pep bands</li> <li>2. Individual, small group, and class size practice</li> </ul>	Spatial Relationship Diagram Music and Choral Classroom

- Computer composition and performance of music
   Vocal music activities, including chamber choir,
- concert and swing choirs
- 5. Music reading instruction



# FA-2 Band and Choral Classroom



- 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: SIZE:	30 students 1.200 s.f.	
ANCILLARY SPACES:	Uniform and Music Storage Instrument Repair Area Practice Rooms (2)	150 s.f. 80 s.f. 75 s.f.
	Instructors Office & Library	250 s.f.

- 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

# **Chapter A7: Fine Arts for High Schools**

#### BIA School Facilities Band and Choral Classroom

#### Space Description

- 1. Band and choral classroom 2. Uniform and music storage
- 3. Instrument repair area
- 4. Practice rooms (2)

5. Instructor's office and library

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

- **Environmental Conditions**
- Air pressure (balanced is assumed):
- Negative

Other HVAC equipment

or requirements:

# Plumbing

Domestic water:

- Hot
- Cold

Sinks: specialty type: SS large, deep, single

Other plumbing equipment

or requirements:

.

For square footages,
see space template

Yes

No

Yes in #2

Yes in #3

Yes in #3

Yes in #3

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:	

"Yes" and "No" apply to all spaces

# refers to Space Description designation

✓ indicates approved feature, system, or material

Lighting requirements:	
<ul> <li>Automatic lighting controls</li> </ul>	Yes
<ul> <li>Direct/indirect lighting</li> </ul>	Yes
<ul> <li>Multi-level switched</li> </ul>	Yes
Ceiling outlet for projector	Yes in #1
Other electrical/lighting equipment	
or requirements:	
•	

Yes in #5
Yes in #1
Req. coverage
Yes in #1
Yes in #1
N/ 1 ///
Yes in #1

#### Safety/Security

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

#### #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 Fixed Furnishings/Equipment 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 #2 #3 #4 #5 #6 #7 #8 #9 #10 #1 Walls: CMU - painted • CMU - ground face, integral color • Standard gypsum board - painted or vinyl covered $\checkmark$ ✓ √ Other Base: Resilient rubber

9' 9'

✓ ~ ~

 Other Floors: Carpet Other Ceilings: Minimum ceiling height · 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 Yes Yes Sound retardant Yes
- Other

# A7010 FA-2 Band and Choral Classroom Space Criteria

# **Chapter A7: Fine Arts for High Schools**

Structural Requirements	Notes
Other structural requirements:	Electrical:
•	1. Provide wall switch type occupancy sensor.
	2. Provide automatic shut-off via building management system time clock.
Signage Requirements	3. Provide multi-level light switching.
Room identification sign Yes	4. Provide direct/indirect lighting system.
Room number sign Yes	5. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Other signage requirements:	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 System	Key Space Design and Relationship Concepts
Sprinklers:	1. Grouped with other noise-producing activities
Semi-recessed     Yes	2. Near platform
Other fire protection equipment	
or requirements:	
•	-
Program Activities	Spatial Relationship Diagram

- 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



# BIA School Facilities Space Templates March 30, 2007

# **VE-1 Middle School Vocational Education Classroom**



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						
	-							
T7								

- 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

# A8000

VE-1 Middle School Vocational Education Classroom Space Criteria

# **Chapter A8: Vocational Education**

BIA School Facilities Vocat	tional Ed Classroom	"Yes" and "No" apply to all spaces # refers to Space Description designation	o.n.	Fixed Furnishings/Equipment Whiteboard (8'-0")		#1 #2 #	3 #4 #	5 #6 #7	#8 #9	#10 #11 #12
Succe Decerintian	For aguara factorea	✓ indicates approved feature, system,			Qty	-				
Space Description	For square footages, see space template	<ul> <li>Indicates approved feature, system,</li> </ul>	ormaterial	Tackboard (4'-0") Overhead projection screen	Qty Qty					· ·
1. Middle school vocational educat		Acoustical Conditions		TV with wall mounting bracket	Qty	1				
2. Material storage	1011 01833100111	Speech privacy	No	Casework:	Giy					
3. Project and tool storage		Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>		Yes				
4. Computer lab		Musical performance/singing/	110	<ul> <li>Plastic laminate base cabinets</li> </ul>		Yes				
5. Paint storage		cheering expected	No	<ul> <li>Plastic laminate countertops</li> </ul>		Yes	Yes			
o. r ant otorago		chooling expected		Plastic laminate upper cabinets		Yes	100			
		Electrical/Lighting		Tall wardrobe cabinet		Yes				
		Specialized power requirements	Yes in #1,4	Locks		Yes				
		Master shutoff for outlets	Yes in #1	<ul> <li>16" deep adjustable shelving</li> </ul>		Yes				
		Power outlet minimum number	Yes	Other furnishings/millwork/						
		Lighting requirements:	100	equipment or 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							
Daily Occupancy Use		Other electrical/lighting equipment	103	Interior Finishes		#1 #2 #	3 #4 #	5 #6 #7	#8 #9	#10 #11 #12
9.5 hrs. (7:30 a.m.–5:00 p.m.)		or requirements:		Walls:		<i>"' "L</i> '	<b>3</b>	0 #0 #1	<i>"0 "3</i>	#10 #11 #12
five days a week	Yes	<ul> <li>As required to conform to</li> </ul>		CMU - painted		< <	< < ·			
After-hours use	No	educational program	Yes	CMU - ground face, integral colo	or .	<u></u>				
	110	cuucational program	103	<ul> <li>Standard gypsum board - painte</li> </ul>						
Environmental Conditions		Communications/IT Requirements		or vinyl covered	a	< <	< < ·			
Air pressure (balanced is assumed	()·	Communication outlet (2-port) -standard	d Yes in #4	• Other						
Negative	Yes	Communication outlet (2 port) standard		Base:						
Space has own exhaust mode -	100	Communication outlet (1-port) todation	100 11 // 1	Resilient rubber		✓ ✓	< < ·			
general area	As required	computer station)	Yes in #4	Other						
Hood requirements:	//a required	CATV outlet (coax + Cat 6)	Yes in #1	Floors:						
Hood potential only required	Yes	Wireless access point outlet (2-port)	Req. coverage	• VCT		< <	✓ ✓ ·			
Individual room air temp. control	Yes in #4	Clock	Yes in #1	Sheet vinyl		$\overline{\checkmark}$	$\sqrt{\sqrt{\sqrt{-1}}}$			
Other HVAC equipment	100 11 // 1	Other communications/IT equipment		Sealed concrete			$\sqrt{\sqrt{\sqrt{-1}}}$			
or requirements:		or requirements:		Other						
<ul> <li>As required to conform to</li> </ul>		•		Ceilings:						
educational program	Yes			<ul> <li>Minimum ceiling height</li> </ul>		9'0" 9'0" 9	0" 9'0" 9	'0"		
oddoallonal program	100			<ul> <li>Exposed to structure - painted</li> </ul>			$\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	ž — —		
Plumbing		Safety/Security		Lay-in acoustical		$\overline{\checkmark}$		<u> </u>		
Domestic water:		Nonmaster locks		• Other						
• Hot	Yes in #1	Intrusion alarm system		Windows:						
• Cold	Yes in #1	Access control		<ul> <li>Windows/daylight into space rec</li> </ul>	uired	Yes				
Floor drain	Yes in #1	Other safety/security equipment		Operable window required		Yes				
Sink(s): specialty type: SS large,	100 11 // 1	or requirements:		<ul> <li>Interior borrowed light window</li> </ul>		Yes				
deep, dual	Yes in #1	•		Doors:						
Emergency shower	As required	-		• Wood		<ul> <li>✓</li> </ul>	√ √			
Evewash station	As required			Hollow metal		$\overline{\checkmark}$	$\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt$			
Other plumbing equipment				With glazed lites		Yes	Yes			
or requirements:				Exterior door required		Yes	100			
<ul> <li>As required to conform to</li> </ul>				Overhead garage door						
educational program	Yes			(10' x 10' insulated)		Yes				
Judoulona program	103					100				

# **Chapter A8: Vocational Education**

# A8000 VE-1 Middle School Vocational Education Classroom Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Special floor loading requirements:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Coordinate equipment load req.</li> </ul>	Yes	3. Provide multi-level light switching.
Special suspended loading requirements:		4. Provide direct/indirect lighting system.
<ul> <li>Coordinate hung equipment req.</li> </ul>	Yes	5. Provide emergency light near door(s).
Other structural requirements:		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.
Signage Requirements		9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
Room identification sign	Yes	10. Provide a receptacle mounted at +7'-0" for television.
Room number sign	Yes	Fire Protection:
Other signage requirements:		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.
Fire Protection System		
Sprinklers:		Key Space Design and Relationship Concepts
Semi-recessed	Yes	1. Grouped with other noise-producing areas
Protection	Yes	2. Access to driveway and parking
Other fire protection equipment		3. Direct access to outdoors
or requirements:		
•		

#### **Program Activities**

- 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.

#### Spatial Relationship Diagram

# **Vocational Education Classroom**



# **VE-2 High School Vocational Education Classroom**



1. Loose furnishings show arrangements.	n represent one of many p	ossible
2. Exterior window location	ons may be modified.	
3. Computer lab is part of		
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

- 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**

BIA School Facilities Vocati	onal Ed Classroom	"Yes" and "No" apply to all spaces # refers to Space Description designation		Fixed Furnishings/Equipment Whiteboard (8'-0")	# Qty	1 #2	#3	#4	#5 #6	#7 #8	#9 #10	#11 #12
Space Description	For square footages,	✓ indicates approved feature, system, of		Tackboard (4'-0")		1					·	
opace bescription	see space template		ormaterial			1					·	———
1. High school vocational education		Acoustical Conditions			Qty -	1						
2. Material storage		Speech privacy	No	Casework:	· -						·	
3. Project and tool storage		Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	١	/es						
4. Computer lab		Musical performance/singing/		<ul> <li>Plastic laminate base cabinets</li> </ul>	1	/es						
5. Paint storage		cheering expected	No	<ul> <li>Plastic laminate countertops</li> </ul>		/es		Yes				
				<ul> <li>Plastic laminate upper cabinets</li> </ul>	-	/es						
		Electrical/Lighting		<ul> <li>Tall wardrobe cabinet</li> </ul>		/es	_					
		Specialized power requirements	Yes in #1,4	Locks	<u>\</u>	/es	_					
		Master shutoff for outlets	Yes	<ul> <li>16" deep adjustable shelving</li> </ul>	_		Yes					·
		Power outlet minimum number	Yes	Other furnishings/millwork/								
		Lighting requirements:		equipment or 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									
Daily Occupancy Use		Other electrical/lighting equipment		Interior Finishes	ŧ	1 #2	#3	#4	#5 #6	#7 #8	#9 #10	#11 #12
9.5 hrs. (7:30 a.m.–5:00 p.m.)	¥	or requirements:		Walls:								
five days a week	Yes	As required to conform to	¥	CMU - painted     OMU - painted	_	<u> </u>	~	✓	v		·	
After-hours use	No	educational program	Yes	<ul> <li>CMU - ground face, integral color</li> <li>Standard gypsum board - painted</li> </ul>		<u> </u>				·	·	
Environmental Conditions		Communications/IT Requirements		<ul> <li>Standard gypsum board - painted or vinyl covered</li> </ul>			1	1	1			
Air pressure (balanced is assumed)	•	Communication outlet (2-port) -standard	d Yes in #4	Other	-	<u> </u>		<u> </u>	<u> </u>			
Negative	Yes	Communication outlet (2-port) -standard Communication outlet (4-port) -teacher	Yes in #1	Base:	_		-			·	·	
<ul> <li>Negative</li> <li>Space has own exhaust mode -</li> </ul>	165	Communication outlet (1-port per	165 111 #1	Resilient rubber		<i>√ √</i>	~	1	1			
general area	As required	computer station)	Yes in #4	Other	-			<u> </u>	<u> </u>		·	
Hood requirements:	Astequied	CATV outlet (coax + Cat 6)	Yes in #1	Floors:	_		-			· ·		
Hood potential only required	Yes	Wireless access point outlet (2-port)	Req. coverage	• VCT		<ul> <li></li> <li></li> </ul>	~	~	✓			
Individual room air temp. control	Yes in #4	Clock	Yes in #1	Sheet vinyl	-	<ul> <li>✓</li> <li>✓</li> </ul>		$\overline{}$	✓			
Other HVAC equipment	100 11 11	Other communications/IT equipment	100 11 11	Sealed concrete	-	$\overline{\checkmark}$		$\overline{}$	✓			
or requirements:		or requirements:		• Other	_		-				·	
<ul> <li>As required to conform to</li> </ul>		•		Ceilings:	_		-				·	
educational program	Yes			Minimum ceiling height	ç	9'0" 9'0	" 9'0"	9'0"	9'0"			
		Safety/Security		<ul> <li>Exposed to structure - painted</li> </ul>	-	<ul><li>✓</li></ul>	~	~	✓		· ·	
Plumbing		Nonmaster locks		<ul> <li>Lay-in acoustical</li> </ul>		<ul> <li>✓</li> </ul>	~	$\checkmark$	✓		·	
Domestic water:		Intrusion alarm system		Other	_							
Hot	Yes in #1	Access control		Windows:	_						· ·	
Cold	Yes in #1	Other safety/security equipment		<ul> <li>Windows/daylight into space requi</li> </ul>	ired \	/es						
Sink(s): specialty type: SS large,		or requirements:		<ul> <li>Operable window required</li> </ul>	1	/es						
deep, dual	Yes in #1	•		<ul> <li>Interior borrowed light window</li> </ul>	١	/es						
Emergency shower	As required			Doors:								
Eyewash station	As required			• Wood		<ul> <li>✓</li> </ul>	✓					
Other plumbing equipment				<ul> <li>Hollow metal</li> </ul>	_	<ul><li>✓</li></ul>	✓					
or requirements:				<ul> <li>With glazed lites</li> </ul>		/es		Yes				
<ul> <li>As required to conform to</li> </ul>				<ul> <li>Exterior door required</li> </ul>	١	/es						
educational program	Yes			<ul> <li>Overhead garage door</li> </ul>								
				(10' x 10' insulated)	_	Ye	S					

# **VE-2 High School Vocational Education Classroom Space Criteria**

s/millwork/ equirements:													
S	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	
ed d face, integral color	✓ ✓	✓	✓	✓	✓	_	_	_			_		
osum board - painted ered	✓							_					
ber	~							_					
	✓	~	~	<b>√</b>				—					
rete	$\checkmark$	$\checkmark$	$\checkmark$	✓ ✓	✓ ✓	=	_	$\equiv$	_		_		
ling height tructure - painted tical	9'0" ✓	9'0" ✓	9'0" ✓ ✓	9'0" ✓ ✓	9'0" ✓ ✓	=	_	_	_	_	_		
rlight into space required adow required wed light window	Yes Yes Yes							=					
ites required	✓ ✓ Yes Yes	✓ ✓	✓ ✓	✓ ✓ Yes	=	_	_	=			_		

A8010

# **Chapter A8: Vocational Education**

# A8010 VE-2 High School Vocational Education Classroom Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Special floor loading requirements:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Coordinate equipment load reg.</li> </ul>	Yes	3. Provide multi-level light switching.
Special suspended loading requirements:		4. Provide direct/indirect lighting system.
Coordinate hung equipment req.	Yes	5. Provide emergency light near door(s).
Other structural requirements:		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.
Signage Requirements		9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
	Yes	
Room identification sign		10. Provide a receptacle mounted at +7'-0" for television.
Room number sign	Yes	Fire Protection:
Other signage requirements:		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.
Fire Protection System		
Sprinklers:		Key Space Design and Relationship Concepts
<ul> <li>Semi-recessed</li> </ul>	Yes	1. Grouped with other noise-producing areas
Protection	Yes	2. Access to driveway and parking
Other fire protection equipment		3. Direct access to outdoors
or requirements:		
•		

#### **Program Activities**

- 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.

#### Spatial Relationship Diagram

## **Vocational Education Classroom**



# **VE-3 Industrial Arts Shop**



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

- 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 | "Yes" and "No" apply to all spaces                        |               | Fixed Furnishings/Equipment  | #1 #2                        | #2 #4 4                   | 5 #6 #7 • | #8 #9 #10 # <sup>.</sup> | 11 #12 |
|--|----------------------|---|---------------|--|------------------------------|---------------------------|-----------|--------------------------|--------|
| BIA School Facilities                            | industrial Arts Shop | # refers to Space Description designati                   | on            |  | ty 1                         | #3 #4 #                   | 5 #0 #/ 1 | #0 #9 #10 #              | 11 #12 |
| Space Description                                | For square footages, | <ul> <li>✓ indicates approved feature, system,</li> </ul> |               | Tackboard (4'-0") Q  |                              |                           |           |                          |        |
| opace Description                                | see space template   |   | ormaterial    |  | ty <u>2</u>                  |                           |           |                          |        |
| 1. Industrial arts shop                          | see space template   | Acoustical Conditions                                     |               |  | ty 1                         |                           |           |                          |        |
| 2. Material and project storage                  |                      | Speech privacy  | No            | Casework:  |                              |                           |           |                          |        |
| 3. Computer lab                                  |                      | Special acoustical treatment needed                       | No            | <ul> <li>1' deep shelf w/coat hooks</li> </ul>   | Yes                          |                           |           |                          |        |
| 4. Paint storage                                 |                      | Musical performance/singing/                              | 110           | Plastic laminate base cabinets   | Yes                          |                           |           |                          |        |
| 4. Faint Storage                                 |                      | cheering expected   | No            | <ul> <li>Plastic laminate base cabilities</li> <li>Plastic laminate countertops</li> </ul> | Yes                          | Yes                       |           |                          |        |
|  |                      | cheening expected   | NO            | <ul> <li>Plastic laminate countertops</li> <li>Plastic laminate upper cabinets</li> </ul>  | Yes                          | 163                       |           |                          |        |
|  |                      | Electrical/Lighting                                       |               | Tall wardrobe cabinet  | Yes                          |                           |           |                          |        |
|  |                      | Specialized power requirements                            | Yes in #1,3   | Locks  | Yes                          |                           |           |                          |        |
|  |                      | Master shutoff for outlets                                | Yes           | <ul> <li>16" deep adjustable shelving</li> </ul>   | Yes                          | Yes                       |           |                          |        |
|  |                      | Power outlet minimum number                               | Yes           | Other furnishings/millwork/  | 165                          | 165                       |           |                          | — —    |
|  |                      |   | 165           |  |                              |                           |           |                          |        |
|  |                      | Lighting requirements:                                    | Vacin #1.2    | equipment or requirements:   |                              |                           |           |                          |        |
|  |                      | Automatic lighting controls                               | Yes in #1,3   | •  |                              |                           |           |                          |        |
|  |                      | Direct/indirect lighting     Multi laugh switch ad        | Yes in #1,3   |  |                              |                           |           |                          |        |
|  |                      | Multi-level switched                                      | Yes in #1,3   |  |                              |                           |           |                          |        |
| Daily Occupancy Use                              |                      | Emergency lighting  | Yes           | Interior Finishes  | #1 #2                        | #3 #4 7                   | 5 #6 #7 7 | #8 #9 #10 # <sup>.</sup> | 11 #12 |
| 9.5 hrs. (7:30 a.m.–5:00 p.m.)                   |                      | Other electrical/lighting equipment                       |               | Walls:   |                              |                           |           |                          |        |
| five days a week                                 | Yes                  | or requirements:  |               | CMU - painted  | $-\frac{\sqrt{2}}{\sqrt{2}}$ | ✓ <u>✓</u>                |           |                          |        |
| After-hours use                                  | No                   | <ul> <li>As required to conform to</li> </ul>             |               | CMU - ground face, integral color  | <u>✓</u>                     |                           |           |                          |        |
|  |                      | educational program                                       | Yes           | <ul> <li>Standard gypsum board - painted</li> </ul>  |                              |                           |           |                          |        |
| <b>Environmental Conditions</b>                  |                      |   |               | or vinyl covered   | $\checkmark$ $\checkmark$    | <u> </u>                  |           |                          |        |
| Air pressure (balanced is assume                 | /                    | Communications/IT Requirements                            |               | Other  |                              |                           |           |                          |        |
| <ul> <li>Negative</li> </ul>                     | Yes                  | Communication outlet (4-port) -teacher                    | Yes in #1     | Base:  |                              |                           |           |                          |        |
| Space has own exhaust mode -                     |                      | Communication outlet (1-port per                          |               | <ul> <li>Resilient rubber</li> </ul>   | $\checkmark$ $\checkmark$    | <u> </u>                  |           |                          |        |
| general area                                     | As required          | computer station)   | Yes in #3     | Other  |                              |                           |           |                          |        |
| Hood requirements:                               |                      | CATV outlet (coax + Cat 6)                                | Yes in #1     | Floors:  |                              |                           |           |                          |        |
| <ul> <li>Hood potential only required</li> </ul> | Yes                  | Wireless access point outlet (2-port)                     | Req. coverage | • VCT  | $\checkmark$ $\checkmark$    | ✓ ✓                       |           |                          |        |
| Individual room air temp. control                | Yes in #3            | Clock   | Yes in #1     | <ul> <li>Sheet vinyl</li> </ul>  |                              | <ul><li>✓</li></ul>       |           |                          |        |
| Other HVAC equipment                             |                      | Other communications/IT equipment                         |               | <ul> <li>Sealed concrete</li> </ul>  | $\checkmark$ $\checkmark$    | √ √                       |           |                          |        |
| or requirements:                                 |                      | or requirements:  |               | Other  |                              |                           |           |                          |        |
| <ul> <li>As required to conform to</li> </ul>    |                      | •   |               | Ceilings:  |                              |                           |           |                          |        |
| educational program                              | Yes                  |   |               | <ul> <li>Minimum ceiling height</li> </ul>   | 9'0" 9'0"                    | 9'0" 9'0"                 |           |                          |        |
|  |                      |   |               | <ul> <li>Exposed to structure - painted</li> </ul>   | $\checkmark$ $\checkmark$    | $\checkmark$ $\checkmark$ |           |                          |        |
| Plumbing   |                      | Safety/Security   |               | Lay-in acoustical  |                              | ✓                         |           |                          |        |
| Domestic water:                                  |                      | Nonmaster locks   |               | • Other  |                              |                           |           |                          |        |
| • Hot  | Yes in #1            | Intrusion alarm system                                    |               | Windows:   |                              |                           |           |                          |        |
| Cold   | Yes in #1            | Access control  |               | <ul> <li>Windows/daylight into space require</li> </ul>                                    | ed Yes                       |                           |           |                          |        |
| Floor drain                                      | Yes in #1            | Other safety/security equipment                           |               | <ul> <li>Operable window required</li> </ul>   | Yes                          |                           |           |                          |        |
| Sink(s): specialty type: SS large,               |                      | or requirements:  |               | Doors:   |                              |                           |           |                          |        |
| deep, dual                                       | Yes in #1            | •   |               | • Wood   | $\checkmark$ $\checkmark$    | $\checkmark$ $\checkmark$ |           |                          |        |
| Emergency shower                                 | As required          |   |               | Hollow metal   |                              | $\overline{\checkmark}$   |           |                          |        |
| Evewash station                                  | As required          |   |               | With glazed lites  |                              | Yes                       |           |                          |        |
| Other plumbing equipment                         | noroquiou            |   |               | Exterior door required   | Yes                          |                           |           |                          |        |
| or requirements:                                 |                      |   |               | Overhead garage door   |                              |                           |           |                          |        |
| <ul> <li>As required to conform to</li> </ul>    |                      |   |               | (12' x 10' insulated)  | Yes                          |                           |           |                          |        |
| educational program                              | Yes                  |   |               |  | 163                          |                           |           |                          |        |
| caudational program                              | 100                  |   |               |  |                              |                           |           |                          |        |
|  |                      |   |               |  |                              |                           |           |                          |        |

# A8020 VE-3 Industrial Arts Shop Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Special floor loading requirements:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Coordinate equipment load req.</li> </ul>	Yes	3. Provide multi-level light switching.
Special suspended loading requirements:		4. Provide direct/indirect lighting system.
<ul> <li>Coordinate hung equipment req.</li> </ul>	Yes	5. Provide emergency light near door(s).
Other structural requirements:		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.
Signage Requirements		9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
Room identification sign	Yes	10. Provide a receptacle mounted at +7'-0" for television.
Room number sign	Yes	Fire Protection:
Other signage requirements:		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.
Fire Protection System		
Sprinklers:		Key Space Design and Relationship Concepts
Semi-recessed	Yes	1. Grouped with other noise-producing areas
Protection	Yes	2. Access to driveway and parking
Other fire protection equipment		3. Direct access to outdoors
or requirements:		

**Program Activities** 

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- 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.

# Spatial Relationship Diagram

### Industrial Arts Shop



**VE-4 Electrical Shop** 



- 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.

- 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

<b>BIA School Facilities</b>	Electrical Shop	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment			#3 #4 #	5 #6 #7	#8 #9 #10	0 #11 #12
		# refers to Space Description designation		Whiteboard (8'-0") Qt	ty <u>1</u> ty 2					
Space Description	For square footages,	✓ indicates approved feature, system,	or material	Tackboard (4'-0") Qt	ty 2					
	see space template			Overhead projection screen Qt	ty _1	_				
<ol> <li>Electrical shop</li> </ol>		Acoustical Conditions		TV with wall mounting bracket Qt	ty 1					
<ol><li>Material and project storage</li></ol>		Speech privacy	No	Casework:						
<ol><li>Computer lab</li></ol>		Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Ye					
		Musical performance/singing/		<ul> <li>Plastic laminate base cabinets</li> </ul>	Ye					
		cheering expected	No	<ul> <li>Plastic laminate countertops</li> </ul>	Ye		Yes			
				<ul> <li>Plastic laminate upper cabinets</li> </ul>	Ye					
		Electrical/Lighting		<ul> <li>Tall wardrobe cabinet</li> </ul>	Ye					
		Specialized power requirements	Yes in #1,3	Locks	Ye	S				
		Master shutoff for outlets	Yes	<ul> <li>16" deep adjustable shelving</li> </ul>		Yes				
		Power outlet minimum number	Yes	Other furnishings/millwork/						
		Lighting requirements:		equipment or requirements:						
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1,3	•		_				
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1,3							
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1,3							
Daily Occupancy Use		<ul> <li>Emergency lighting</li> </ul>	Yes	Interior Finishes	#1	#2	#3 #4 #	5 #6 #7	#8 #9 #10	) #11 #12
9.5 hrs. (7:30 a.m5:00 p.m.)		Other electrical/lighting equipment		Walls:						
five days a week	Yes	or requirements:		<ul> <li>CMU - painted</li> </ul>	✓	∕	<u>✓</u>			
After-hours use	No	<ul> <li>As required to conform to</li> </ul>		<ul> <li>CMU - ground face, integral color</li> </ul>	$\checkmark$					
		educational program	Yes	<ul> <li>Standard gypsum board - painted</li> </ul>						
Environmental Conditions				or vinyl covered	✓	<ul> <li>✓</li> </ul>	✓			
Air pressure (balanced is assumed	d):	Communications/IT Requirements		Other						
Negative	Yes	Communication outlet (4-port) -teacher	Yes in #1	Base:						
Individual room air temp. control	Yes in #3	Communication outlet (1-port per		<ul> <li>Resilient rubber</li> </ul>	✓	✓	✓			
Other HVAC equipment		computer station)	Yes in #3	Other						
or requirements:		CATV outlet (coax + Cat 6)	Yes in #1	Floors:						
<ul> <li>As required to conform to</li> </ul>		Wireless access point outlet (2-port)	Req. coverage	• VCT	✓	∕	✓			
educational program	Yes	Clock	Yes in #1	<ul> <li>Sheet vinyl</li> </ul>	~	<ul><li>✓</li></ul>				
		Other communications/IT equipment		<ul> <li>Sealed concrete</li> </ul>	~	✓	✓			
Plumbing		or requirements:		Other						
Domestic water:		•		Ceilings:						
• Hot	Yes in #1			<ul> <li>Minimum ceiling height</li> </ul>	9'(	)" 9'0"	9'0"			
Cold	Yes in #1	Safety/Security		<ul> <li>Exposed to structure - painted</li> </ul>	~	✓				
Floor drain	Yes in #1	Nonmaster locks		<ul> <li>Lay-in acoustical</li> </ul>	✓	√	$\checkmark$			
Sink(s): specialty type: SS large,		Intrusion alarm system		Other						
deep, dual	Yes in #1	Access control		Windows:						
Other plumbing equipment		Other safety/security equipment		<ul> <li>Windows/daylight into space require</li> </ul>	ed Ye	S				
or requirements:		or requirements:		<ul> <li>Operable window required</li> </ul>	Ye	S				
<ul> <li>As required to conform to</li> </ul>		•		<ul> <li>Interior borrowed light window</li> </ul>	Ye	S				
educational program	Yes			Doors:						
				• Wood	~	√	✓			
				Hollow metal	$\checkmark$	√	✓			
				<ul> <li>With glazed lites</li> </ul>	Ye	S	Yes			
				<ul> <li>Exterior door required</li> </ul>	Ye	S				
				• Other						

# A8030 VE-4 Electrical Shop Space Criteria

# A8030 **VE-4 Electrical Shop Space Criteria**

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Special floor loading requirements:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Coordinate equipment load req.</li> </ul>	Yes	3. Provide multi-level light switching.
Special suspended loading requirements:		4. Provide direct/indirect lighting system.
<ul> <li>Coordinate hung equipment req.</li> </ul>	Yes	5. Provide emergency light near door(s).
Other structural requirements:		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.
Signage Requirements		9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
Room identification sign	Yes	10. Provide a receptacle mounted at +7'-0" for television.
Room number sign	Yes	Fire Protection:
Other signage requirements:		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.

#### **Fire Protection System**

Sprinklers:

Semi-recessed

Protection

Other fire protection equipment

or requirements: ٠

#### **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.

#### Key Space Design and Relationship Concepts

1. Grouped with other noise-producing areas 2. Access to driveway and parking

3. Direct access to outdoors

Yes

Yes

#### Spatial Relationship Diagram

### **Electrical Shop**



**BIA School Facilities Space Templates** March 30, 2007

**VE-5** Metals Shop



- 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

- 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

<b>BIA School Facilities</b>	Metals Shop	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment			2 #3	#4 #5	#6 #7	#8 #9	#10 #11	#12
		# refers to Space Description designation		Whiteboard (8'-0")	Qty	1						
Space Description	For square footages, see space template	$\checkmark$ indicates approved feature, system, $\alpha$	or material		Qty Qty	2			· ·			
1. Metals shop		Acoustical Conditions				1						
2. Project and tool storage		Speech privacy	No	Casework:								
3. Computer lab		Special acoustical treatment needed	No	Metal workbench (12')	•	Yes						
4. Paint storage		Musical performance/singing/		<ul> <li>Plastic laminate countertops</li> </ul>	-		Yes	<u> </u>				
		cheering expected	No	Tall wardrobe cabinet	`	Yes						
				• Locks		Yes			· ·			
		Electrical/Lighting		<ul> <li>16" deep adjustable shelving</li> </ul>		Y	es	Yes				
		Specialized power requirements	Yes in #1,3	Other furnishings/millwork/	_							
		Master shutoff for outlets	Yes	equipment or requirements:								
		Power outlet minimum number	Yes	•	_							
		Lighting requirements:										
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1,3		_							
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1,3									
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1,3									
Daily Occupancy Use		<ul> <li>Emergency lighting</li> </ul>	Yes	Interior Finishes		#1 #	2 #3	#4 #5	#6 #7	#8 #9	#10 #11	#12
9.5 hrs. (7:30 a.m.–5:00 p.m.)		Other electrical/lighting equipment		Walls:								
five days a week	Yes	or requirements:		<ul> <li>CMU - painted</li> </ul>	_	✓	<u>√ √</u>	✓				
After-hours use	No	•		<ul> <li>CMU - ground face, integral color</li> </ul>	_	✓						
				<ul> <li>Standard gypsum board - painted</li> </ul>	1							
Environmental Conditions		<b>Communications/IT Requirements</b>		or vinyl covered	_	✓	<u>√ √</u>	✓				
Air pressure (balanced is assumed	l):	Communication outlet (4-port) -teacher	Yes in #1	Other								
Negative	Yes	Communication outlet (1-port per		Base:								
Space has own exhaust mode -		computer station)	Yes in #3	<ul> <li>Resilient rubber</li> </ul>	_	✓	<u>√ √</u>	✓				
general area	Yes	CATV outlet (coax + Cat 6)	Yes in #1	Other	_							
Individual room air temp. control	Yes in #3	Wireless access point outlet (2-port)	Req. coverage	Floors:								
Other HVAC equipment		Clock	Yes in #1	• VCT	_	✓	<u>√ √</u>	<u> </u>				
or requirements:		Other communications/IT equipment		<ul> <li>Sheet vinyl</li> </ul>	_		$\checkmark$					
<ul> <li>Ventilation systems for welding</li> </ul>		or requirements:		<ul> <li>Sealed concrete</li> </ul>	_	✓	√ √	✓				
stations	Yes in #1	•		Other	_							
				Ceilings:								
Plumbing		Safety/Security		<ul> <li>Minimum ceiling height</li> </ul>		9'0" 9	<u>'0"</u> <u>9'0</u> ✓ ✓	" 9'0"				
Domestic water:		Nonmaster locks		<ul> <li>Exposed to structure - painted</li> </ul>	_	<u> </u>	<u>√ √</u>	<u>√</u>				
Hot	Yes in #1	Intrusion alarm system		<ul> <li>Lay-in acoustical</li> </ul>	_							
Cold	Yes in #1	Access control		Other	-							
Floor drain	Yes in #1	Other safety/security equipment		Windows:	-				· ·			
Sink(s): specialty type: SS wash		or requirements:		<ul> <li>Interior borrowed light window</li> </ul>	_	Yes			· ·			
fountain	Yes in #1	•		Doors:		,		,				
Sink(s): specialty type: SS utility				• Wood	-	<u> </u>	$\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt$					
sink	Yes in #1			Hollow metal	_							
Emergency shower	As required			With glazed lites		Yes	Yes	<u> </u>	· ·			
Eyewash station	As required			Exterior door required	_	Yes						
Other plumbing equipment				Overhead garage door								
or requirements:				(12' x 10' insulated)	_	Yes						
As required to conform to	¥											
educational program	Yes											

# A8040 VE-5 Metals Shop Space Criteria

# A8040 **VE-5 Metals Shop Space Criteria**

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Special floor loading requirements:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Coordinate equipment load req.</li> </ul>	Yes	3. Provide multi-level light switching.
Special suspended loading requirements:		4. Provide direct/indirect lighting system.
<ul> <li>Coordinate hung equipment req.</li> </ul>	Yes	5. Provide emergency light near door(s).
Other structural requirements:		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.
Signage Requirements		9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
Room identification sign	Yes	10. Provide a receptacle mounted at +7'-0" for television.
Room number sign	Yes	Fire Protection:
Other signage requirements:		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.
Specialty Systems		
Arc welding stations	Yes in #1	Key Space Design and Relationship Concepts
Oxygen-acetylene welding stations	Yes in #1	1. Grouped with other noise-producing areas
Other specialty systems equipment		2. Access to driveway and parking
or requirements:		3. Direct access to outdoors
•		
-		

Sprinkiers:	
<ul> <li>Semi-recesse</li> </ul>	d

- Protection
- 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 oxygenacetylene cutting, welding and brazing, shielded metal arc welding, gas metal arc welding, and gas tungsten arc welding. 2. Blueprint reading.

**Metals Shop** 

Yes

Yes

3. Classroom layout includes a clean, separated computer lab for research and project design.



**BIA School Facilities Space Templates** March 30, 2007

**VE-6 Wood Shop** 



- 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

- 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 "Yes" and "No" apply to all spaces Fixed Furnishings/Equipment #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 # refers to Space Description designation Whiteboard (8'-0") Qty 1 ✓ indicates approved feature, system, or material Tackboard (4'-0") Space Description For square footages. Qty 2 see space template Overhead projection screen Qty 1 Qty 1. Wood shop Acoustical Conditions TV with wall mounting bracket 1 2. Material and project storage Casework: Speech privacy No 3. Computer lab Special acoustical treatment needed Yes • 1' deep shelf w/coat hooks Yes 4. Paint storage Musical performance/singing/ Plastic laminate base cabinets Yes cheering expected No Plastic laminate countertops Yes Yes • Plastic laminate upper cabinets Yes Electrical/Lighting • Tall wardrobe cabinet Yes Specialized power requirements Yes in #1.3 Yes Locks • 16" deep adjustable shelving Master shutoff for outlets Yes Yes Yes Power outlet minimum number Yes Other furnishings/millwork/ Lighting requirements: equipment or requirements: • Automatic lighting controls Yes in #1,3 • Direct/indirect lighting Yes in #1,3 Multi-level switched Yes in #1.3 Daily Occupancy Use Interior Finishes #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 Emergency lighting Yes 9.5 hrs. (7:30 a.m.-5:00 p.m.) Other electrical/lighting equipment Walls: five days a week Yes or requirements: CMU - painted After-hours use No • CMU - ground face, integral color • As required to conform to educational program Yes • Standard gypsum board - painted **Environmental Conditions** or vinvl covered Air pressure (balanced is assumed): Communications/IT Requirements Other Negative Yes Communication outlet (4-port) -teacher Yes in #1 Base: Space has own exhaust mode -Communication outlet (1-port per Resilient rubber ✓ • Other general area As required computer station) Yes in #3 Hood requirements: CATV outlet (coax + Cat 6) Yes in #1 Floors: Hood potential only required Yes in #1 Wireless access point outlet (2-port) • VCT Req. coverage Yes in #3 Individual room air temp. control Clock Yes in #1 Sheet vinyl ~ Other HVAC equipment Other communications/IT equipment Sealed concrete 1 1 or requirements: Other or requirements: • As required to conform to Ceilinas: • educational program Yes • Minimum ceiling height 9'0" 9'0" 9'0" Safety/Security • Exposed to structure - painted $\checkmark$ √ ~ Plumbing Nonmaster locks · Lay-in acoustical Domestic water: Intrusion alarm system Other Windows: Hot Yes in #1 Access control Yes in #1 Cold Other safety/security equipment • Windows/daylight into space required Yes Floor drain Yes in #1 or requirements: • Operable window required Yes Sink(s): specialty type: SS large, Doors: deep, dual Yes in #1 Wood Emergency shower As required Hollow metal Evewash station Yes Yes As required With glazed lites \_\_\_\_\_ Other plumbing equipment • Exterior door required Yes or requirements: • Overhead garage door • As required to conform to (12' x 10' insulated) Yes educational program Yes

### A8050 VE-6 Wood Shop Space Criteria

# A8050 VE-6 Wood Shop Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		<u>Electrical:</u>
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Special floor loading requirements:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Coordinate equipment load req.</li> </ul>	Yes	3. Provide multi-level light switching.
Special suspended loading requirements:		4. Provide direct/indirect lighting system.
<ul> <li>Coordinate hung equipment req.</li> </ul>	Yes	5. Provide emergency light near door(s).
Other structural requirements:		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.
Signage Requirements		9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
Room identification sign	Yes	10. Provide a receptacle mounted at +7'-0" for television.
Room number sign	Yes	Fire Protection:
Other signage requirements:		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.
Fire Protection System		
Sprinklers:		Key Space Design and Relationship Concepts
•	Yes	1. Grouped with other noise-producing areas
	Yes	2. Access to driveway and parking
Other fire protection equipment		3. Direct access to outdoors
or requirements:		

#### Program Activities

.

1. Students learn the safe and effective use of wood-
working equipment, tools, and materials while
completing specific projects.
<ol><li>Students gain skills in the proper use and care of</li></ol>

- Students gain skills in the proper use and care of equipment.
- 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.

#### Spatial Relationship Diagram

# Wood Shop



**VE-7** Auto Shop



- 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

- 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

1. Auto shop

3. Computer lab

5. Paint storage

After-hours use

Negative

general area

Plumbing

• Hot

Cold

Floor drain

deep, dual

Other plumbing equipment or requirements: • As required to conform to educational program

Domestic water:

#### **BIA School Facilities** Auto Shop "Yes" and "No" apply to all spaces Fixed Furnishings/Equipment #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 # refers to Space Description designation Whiteboard (8'-0") Qty 1 ✓ indicates approved feature, system, or material Tackboard (4'-0") Qty Space Description For square footages. 2 see space template Overhead projection screen Qty 1 Acoustical Conditions TV with wall mounting bracket Qty 1 2. Material and project storage Speech privacy No Casework: Special acoustical treatment needed Yes Plastic laminate base cabinets Yes 4. Auto parts storage Musical performance/singing/ Plastic laminate countertops Yes Yes Yes cheering expected No • Plastic laminate upper cabinets • Tall wardrobe cabinet Yes Electrical/Lighting Locks Yes Specialized power requirements Yes in #1.3 • 16" deep adjustable shelving Yes Yes Yes Master shutoff for outlets Other furnishings/millwork/ Yes Power outlet minimum number Yes equipment or requirements: Lighting requirements: Tool storage cabinet & workbench Yes • Automatic lighting controls Yes in #1,3 • Vehicle service bay; coordinate • Direct/indirect lighting Yes in #1,3 requirements Yes Multi-level switched Yes in #1.3 • Emergency lighting Yes #4 #5 #6 #7 #8 #9 #10 #11 #12 Daily Occupancy Use Other electrical/lighting equipment Interior Finishes #1 #2 #3 9.5 hrs. (7:30 a.m.-5:00 p.m.) or requirements: Walls: five davs a week • CMU - painted Yes • As required to conform to No educational program Yes • CMU - ground face, integral color Other **Environmental Conditions Communications/IT Requirements** Base: Air pressure (balanced is assumed): Communication outlet (4-port) -teacher Yes in #1 Resilient rubber $\checkmark$ ~ ~ • Other Yes Communication outlet (1-port per Space has own exhaust mode computer station) Yes in #3 Floors: As required CATV outlet (coax + Cat 6) Yes in #1 Sealed concrete Hood requirements: Wireless access point outlet (2-port) • Other Req. coverage Hood potential only required Yes in #1 Clock Yes in #1 Ceilings: Individual room air temp. control Yes in #3 Other communications/IT equipment • Minimum ceiling height 9'0" 9'0" 9'0" $\checkmark$ $\checkmark$ ✓ ✓ Other HVAC equipment • Exposed to structure - painted or requirements: or requirements: · Lay-in acoustical As required to conform to Other educational program Doors: Yes Wood ~ 1 ~ ~ √ Safety/Security Hollow metal Yes • With glazed lites Nonmaster locks Yes Intrusion alarm system • Exterior door required Yes Yes in #1 Yes in #1 Access control • Overhead garage door Yes in #1 Other safety/security equipment (12' x 10' insulated) Yes Sink(s): specialty type: SS large, or requirements:

Yes in #1

Yes

# A8060 **VE-7 Auto Shop Space Criteria**

# A8060 VE-7 Auto Shop Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Special floor loading requirements:	163	2. Provide automatic shut-off via building management system time clock.
Consider vehicles, equipment		3. Provide automatic situation via building management system time clock.
· • •	Vaa	
load requirements	Yes	4. Provide direct/indirect lighting system.
Special suspended loading requirements:		5. Provide emergency light near door(s).
<ul> <li>Consider hoists, hung equipment</li> </ul>		6. Provide exterior emergency lighting.
load requirements	Yes	7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other structural requirements:		8. Provide a dedicated panelboard for all receptacles within this room and grouped adjacent rooms. Panelboard shall have a shunt trip main breaker.
<ul> <li>As required to conform to</li> </ul>		9. Provide an emergency power off (EPO) switch to activate the shunt trip main breaker of the local panelboard.
educational program	Yes	10. Provide a receptacle mounted at +7'-0" for television.
		Fire Protection:
Signage Requirements		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Room identification sign	Yes	HVAC
Room number sign	Yes	1. A dedicated exhaust system may be required.
Other signage requirements:		
•		

#### Fire Protection System

- Sprinklers:
- Semi-recessed
- Protection

Other fire protection equipment

or requirements:

•

#### **Program Activities**

- 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.

#### Key Space Design and Relationship Concepts

1. Grouped with other noise-producing areas

2. Access to driveway and parking

Yes

Yes

3. Direct access to outdoors

### Spatial Relationship Diagram

#### Auto Shop



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



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

CAPACITY: 24 students SIZE: 888 s.f.

- 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

# A8070

# **Chapter A8: Vocational Education**

<b>BIA School Facilities</b>	CADD Classroom	"Yes" and "No" apply to all spaces	Fixed Furnishings/Equipment	#1 #2 #3 #4 #	5 #6 #7 #8 #9 #10 #11 #12
BIA School Facilities	OADD Glassicolli	# refers to Space Description designation			
Space Description	For square footages,	✓ indicates approved feature, system, or materia	al Tackboard (4'-0")	Qty <u>1</u> Qty <u>2</u>	
	see space template		Overhead projection screen	Qty <u>1</u>	
1. Computer-aided design and dra	afting classroom	Acoustical Conditions		Qty 1	
			Casework:		
			Plastic laminate countertops     Tall wandable achieved	Yes	
		Musical performance/singing/ cheering expected	Tall wardrobe cabinet     Locks	Yes	
			• Other	res	
		Electrical/Lighting	Other furnishings/millwork/		
			equipment or requirements:		
			es • Printer station	Yes	
		Lighting requirements:	Other		
			es		
			es		
			es		
		- 3 3 3	es		
Deile Oceanie II			Interior Finishes	<i>#4 #0 #0 #4 #</i>	
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.)		Other electrical/lighting equipment or requirements:	Walls:	#1 #2 #3 #4 #	5 #6 #7 #8 #9 #10 #11 #12
five days a week	Yes	or requirements.	CMU - painted	$\checkmark$	
After-hours use	No	•	CMU - ground face, integral color		
		Communications/IT Requirements	<ul> <li>Standard gypsum board - painted</li> </ul>		
<b>Environmental Conditions</b>			es or vinyl covered	$\checkmark$	
Individual room air temp. control	Yes		es • Other		
Other HVAC equipment		Communication outlet (1-port per	Base:		
or requirements:			es     e Resilient rubber	<u>✓                                     </u>	
•			es Other		
			es Floors:	/	
Plumbing Other plumbing equipment			• Carpet • VCT	<u> </u>	
or requirements:		Wireless access point outlet (2-port) <u>Req. co</u> Outlet (1-port) for future interactive	Sheet vinyl	<u> </u>	
•			es • Sealed concrete	<u> </u>	
-			es • Static-resistant flooring	<u></u>	
			es Ceilings:		
		Other communications/IT equipment	<ul> <li>Minimum ceiling height</li> </ul>	9'0"	
		or requirements:	<ul> <li>Exposed to structure - painted</li> </ul>		
		•	<ul> <li>Lay-in acoustical</li> </ul>	<u>✓                                     </u>	
			• Other		
		Safety/Security	Doors: • Wood	¥	
		Nonmaster locks	Wood     With glazed lites	Yes	
		Intrusion alarm system	Other	165	
		Other safety/security equipment			
		or requirements:			
		•			

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

# A8070 VE-8 Computer-Aided Design and Drafting (CADD) Classroom Space Criteria

Structural Requirements		Notes
Other structural requirements:		Electrical:
•		1. Provide automatic shut-off via building management system time clock.
		2. Provide multi-level light switching.
Signage Requirements		3. Provide direct/indirect lighting system.
Room identification sign	Yes	4. Provide emergency lighting near door(s).
Room number sign	Yes	6. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other signage requirements:		7. Provide a dedicated panelboard for all receptacles within this room.
•		8. Provide a receptacle mounted at +7'-0" for television.
		Fire Protection:
Fire Protection System		1. Provide semi-recessed heads for spaces with ceilings.
Sprinklers:		
<ul> <li>Semi-recessed</li> </ul>	Yes	Key Space Design and Relationship Concepts
Other fire protection equipment		1. Grouped with other vocational education classrooms
or requirements:		

- •

#### **Program Activities**

 Group instruction in computer-aided design and drafting
 Exploration of design concepts, technical drawing,

geometric dimensioning, and facilities design

# Spatial Relationship Diagram

# Computer-Aided Design and Drafting (CADD) Classroom



BIA School Facilities Space Templates March 30, 2007

# **VE-9** Agriculture and Economic Development Classroom



- 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.

- 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

# A8080 VE-9 Agriculture and Economic Development Classroom Space Criteria

# **Chapter A8: Vocational Education**

BIA School Facilities Agriculture & Economic	Dev. "Yes" and "No" apply to all spaces # refers to Space Description designat	ion	<b>Fixed Furnishings/Equipment</b> Whiteboard (8'-0")						#9 #10 #	
Space Description For square for			Tackboard (4'-0")	Qty	1					
see space ten		,	Overhead projection screen	Qty	1				·	
1. Agriculture and economic development classroo	M Acoustical Conditions		TV with wall mounting bracket	Qty						
2. Material storage	Speech privacy	No	Casework:							
3. Computer lab	Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>		Yes					
·	Musical performance/singing/		<ul> <li>Plastic laminate countertops</li> </ul>		Yes	Yes				
	cheering expected	No	<ul> <li>Tall wardrobe cabinet</li> </ul>	•	Yes					
	5		Locks		Yes					
	Electrical/Lighting		<ul> <li>16" deep adjustable shelving</li> </ul>	•	Ye	es			·	
	Specialized power requirements	Yes in #1,3	Other furnishings/millwork/							
	Power outlet minimum number	Yes	equipment or requirements:							
	Lighting requirements:		<ul> <li>Powered machinery;</li> </ul>							
	Automatic lighting controls	Yes in #1,3	coordinate as required		Yes					
	<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1,3	<ul> <li>Welding stations;</li> </ul>							
	Multi-level switched	Yes in #1,3	coordinate as required		Yes					
	<ul> <li>Emergency lighting</li> </ul>	Yes	<ul> <li>Hydroponics/aquaculture tank;</li> </ul>	•						
Daily Occupancy Use	Other electrical/lighting equipment		coordinate as required		Yes					
9.5 hrs. (7:30 a.m5:00 p.m.)	or requirements:			•					·	
five days a week Yes	<ul> <li>As required to conform to</li> </ul>									
After-hours use No	educational program	Yes								
Environmental Conditions	<b>Communications/IT Requirements</b>		Interior Finishes		#1 #2	: #3 #	4 #5 #6	#7 #8	#9 #10 #	#11 #12
Air pressure (balanced is assumed):	Communication outlet (4-port) -teacher	r Yes in #1	Walls:							
Negative Yes in#			<ul> <li>CMU - painted</li> </ul>		<ul> <li>✓</li> <li>✓</li> </ul>	<u> </u>				
Individual room air temp. control Yes in a		Yes in #3	<ul> <li>CMU - ground face, integral color</li> </ul>		✓					
Other HVAC equipment	CATV outlet (coax + Cat 6)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>	d						
or requirements:	Wireless access point outlet (2-port)	Req. coverage	or vinyl covered		<u> </u>	<u> </u>				
<ul> <li>As required to conform to</li> </ul>	Clock	Yes in #1	Other							
educational program Yes	Other communications/IT equipment		Base:							
	or requirements:		<ul> <li>Resilient rubber</li> </ul>		<u> </u>	<u> </u>				
Plumbing	•		Other						·	
Domestic water:			Floors:							
Hot Yes in a			• VCT		<ul> <li>✓</li> <li>✓</li></ul>	$\frac{1}{\sqrt{2}}$				
Cold     Yes in a			Sheet vinyl		<u> </u>	<u> </u>		·		
Floor drain Yes in #	,		<ul> <li>Sealed concrete</li> </ul>		✓ v	<ul> <li>✓</li> </ul>				
Hydroponics/aquaculture tanks Yes in a			• Other							
Sink(s): specialty type: SS wash	Other safety/security equipment		Ceilings:							
fountain Yes in a			Minimum ceiling height		<u>9'0" 9'</u>	<u>)" 9'0"</u>		·		
Emergency shower As requi			<ul> <li>Exposed to structure - painted</li> </ul>		<ul><li>✓</li></ul>				===	
Eyewash station As requi	red		Lay-in acoustical							
Other plumbing equipment			• Other						·	
or requirements:			Doors:		,	, ,				
<ul> <li>As required to conform to</li> </ul>			• Wood		√ v	· •				
					/	<u> </u>				
educational program Yes			Hollow metal			✓				
educational program Yes			<ul> <li>Hollow metal</li> <li>With glazed lites</li> <li>Exterior door required</li> </ul>		✓ Yes Yes	∕ ✓ Yes				

# A8080 VE-9 Agriculture and Economic Development Classroom Space Criteria

Structural Requirements		Notes	
Consider acoustic roof deck if no		Electrical:	
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.	
Special floor loading requirements:		2. Provide automatic shut-off via building management system time clock.	
<ul> <li>Coordinate equipment load req.</li> </ul>	Yes	3. Provide multi-level light switching.	
Special suspended loading requirements:		4. Provide direct/indirect lighting system.	
<ul> <li>Coordinate hung equipment req.</li> </ul>	Yes	5. Provide emergency light near door(s).	
Other structural requirements:		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.	
Signage Requirements		Fire Protection:	
Room identification sign	Yes	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.	
Room number sign	Yes		
Other signage requirements:		-	

#### Fire Protection System

Sprinklers:

• Semi-recessed Other fire protection equipment or requirements:

•

.

#### **Program Activities**

#### Spatial Relationship Diagram

Near large group restrooms
 Access to driveway and parking

Key Space Design and Relationship Concepts

## Agriculture and Economic Development Classroom

 Individual and group instruction in agriculture programs such as plant and animal science, soil management, natural resources, and mechanical systems
 Individual and group project work

Yes

- and group project v
   Equipment repair
- 4. Small group meetings
- 5. Lab activities related to curriculum



# **VE-10 Business Classroom**



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

CAPACITY: 25 students SIZE: 925 s.f.

- 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

<b>BIA School Facilities</b>	Business Classroom	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 #6 #7 #8 #9 #	
		# refers to Space Description designation	ı	Whiteboard (8'-0") Qty	<u></u>	
Space Description	For square footages,	✓ indicates approved feature, system, o	r material	Tackboard (4'-0") Qty		
	see space template			Overhead projection screen Qty		
1. Business classroom		Acoustical Conditions		TV with wall mounting bracket Qty		
		Speech privacy	No	Casework:		
		Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Yes	
		Musical performance/singing/		<ul> <li>Plastic laminate countertops</li> </ul>	Yes	
		cheering expected	No	<ul> <li>Tall wardrobe cabinet</li> </ul>	Yes	
				Locks	Yes	
		Electrical/Lighting		Other		
		Power outlet minimum number	Yes	Other furnishings/millwork/		
		Lighting requirements:		equipment or requirements:		
		Automatic lighting controls	Yes	•		
		<ul> <li>Specialty/task lighting</li> </ul>	Yes			
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes			
		Multi-level switched	Yes			
		Ceiling outlet for projector	Yes			
		Other electrical/lighting equipment				
Daily Occupancy Use		or requirements:		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #	10 #11 #12
9.5 hrs. (7:30 a.m5:00 p.m.)		•		Walls:		
five days a week	Yes			CMU - painted	$\checkmark$	
After-hours use	No	Communications/IT Requirements		<ul> <li>CMU - ground face, integral color</li> </ul>	<u> </u>	
		Communication outlet (4-port) - teacher	Yes	<ul> <li>Standard gypsum board - painted</li> </ul>		
Environmental Conditions		Communication outlet (1-port per		or vinyl covered	$\checkmark$	
Other HVAC equipment		computer station)	Yes	• Other		
or requirements:		CATV outlet (coax + Cat 6)	Yes	Base:		
•		Sound reinforcement outlet	Yes	<ul> <li>Resilient rubber</li> </ul>	$\checkmark$	
		Projector outlet (1-port ceiling mounted)	Yes	• Other		
Plumbing			Req. coverage	Floors:		
Other plumbing equipment		Outlet (1-port) for future interactive	¥	Carpet	$\checkmark$	
or requirements:		whiteboard	Yes	• VCT	<u> </u>	
•		Speaker - ceiling mounted	Yes	<ul> <li>Sheet vinyl</li> </ul>	<u></u>	
		Clock	Yes	<ul> <li>Sealed concrete</li> </ul>	<u>√</u>	
		Other communications/IT equipment		Other		
		or requirements:		Ceilings:		
		•		<ul> <li>Minimum ceiling height</li> </ul>	9'0"	
				<ul> <li>Exposed to structure - painted</li> </ul>	<u></u>	
		Safety/Security		<ul> <li>Lay-in acoustical</li> </ul>	<u></u>	
		Nonmaster locks		• Other		
		Intrusion alarm system		Windows:		
		Access control		<ul> <li>Windows/daylight into space required</li> </ul>	Yes	
		Other safety/security equipment		Operable window required	Yes	
		or requirements:		Doors:		
		•		• Wood	Yes	
				With glazed lites	Yes	
				• Other		

# A8090 **VE-10 Business Classroom Space Criteria**

# A8090 VE-10 Business Classroom Space Criteria

# **Chapter A8: Vocational Education**

Structural Requirements		Notes
Other structural requirements:		Electrical:
•		1. Provide automatic shut-off via building management system time clock.
		2. Provide multi-level light switching.
Signage Requirements		3. Provide direct/indirect lighting system.
Room identification sign	Yes	4. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room number sign	Yes	5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other signage requirements:		6. Provide a receptacle mounted at +7'-0" for television.
•		Fire Protection:
		1. Provide semi-recessed heads for spaces with ceilings.
Fire Protection System		
Sprinklers:		Key Space Design and Relationship Concepts
<ul> <li>Semi-recessed</li> </ul>	Yes	1. Near large group restrooms

# •

Other fire protection equipment

#### **Program Activities**

or requirements:

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

### Spatial Relationship Diagram Business Classroom





# SP-1 Family and Childhood Education (FACE) Program



- 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.

- 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

# **Chapter A9: Special Programs**

<b>BIA School Facilities</b>	FACE Program	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment				#4	#5	#6	#7	#8 #	9 #1	0 #11	#1
	-	# refers to Space Description designatio		Whiteboard (8'-0")	Qty	1									
Space Description	For square footages,	✓ indicates approved feature, system, of	or material			1				·					—
1. Child classroom	see space template	Assurational Constitutions		Overhead projection screen	Qty Qty	<u>1</u> 1				·					—
2. Adult classroom		Acoustical Conditions	Vacin #4.9	TV with wall mounting bracket C Casework:		<u> </u>	<u> </u>			·					—
3. Restrooms (1 child, 1 adult)		Speech privacy Special acoustical treatment needed	Yes in #4,8 No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	,		00								
4. Conference		Musical performance/singing/	INU	<ul> <li>Plastic laminate base cabinets</li> </ul>		<u>Yes</u> Y YesY	es	_		Voo	Yes				
5. Records		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> <li>Plastic laminate countertops</li> </ul>			es				Yes				—
6. Kitchen		cheening expected	INU	<ul> <li>Plastic laminate countertops</li> <li>Plastic laminate upper cabinets</li> </ul>			es				Yes				
7. Storage space		Electrical/Lighting		Tall wardrobe cabinet			es			163	163				
8. Office		Power outlet minimum number	Yes	Locks		Yes Y				·					
0. Onice		Specialty outlets/dedicated circuit	Yes	<ul> <li>16" deep adjustable shelving</li> </ul>	-	163 1	63		Yes						
		Lighting requirements:	105	Other	-				103	·					
		Automatic lighting controls	Yes in #1,2	Other equipment requirements:	-					· ——					
		Direct/indirect lighting	Yes in #1,2	Soap dispenser	``	Yes Y	65			Yes					
		Multi-level switched	Yes in #1,2	Paper towel dispenser		Yes Y				Yes					
		Emergency lighting	Yes	Refrigerator	-	163 1	63			Yes					
		Other electrical/lighting equipment	105	Range/oven	-					Yes					
Daily Occupancy Use		or requirements:		Dishwasher	-					Yes					
9.5 hrs. (7:30 a.m.–5:00 p.m.)		•			-					103					
five days a week	Yes	-													
After-hours use	No	Communications/IT Requirements		Interior Finishes	#	±1 #	2 #3	#4	#5	#6	#7	#8 #	9 #1	0 #11	#1
		Communication outlet (2-port) -standard	Yes in #1,2	Walls:											
Environmental Conditions		Communication outlet (4-port) -teacher	Yes in #1,2	CMU - painted		✓	<ul> <li></li> <li></li> </ul>								
Air pressure (balanced is assumed)		Communication outlet (1-port per		• CMU - ground face, integral color	-	· 	<u> </u>			· —					-
Negative	Yes in #3,6	computer station)	Yes in #1,2	Standard gypsum board - painted	-										
Hood requirements:		CATV outlet (coax + Cat 6)	Yes in #1,2	or vinyl covered		✓	~ ~	<ul> <li>✓</li> </ul>	✓	✓	✓	~			
Hood potential only required	Yes in #6	Sound reinforcement outlet	Yes in #1,2	• Other	-					· —					
Other HVAC equipment		Wireless access point outlet (2-port)	Req. coverage	Base:	-										
or requirements:		Mobile projection cart outlet	Yes in #1,2	Resilient rubber		✓	<u> </u>	<ul> <li>✓</li> </ul>	~	✓	~	✓			
•		Outlet (1-port) for future interactive		• Other	-			_	-						
		whiteboard	Yes in #1,2	Floors:	-					· —					
Plumbing		Speaker - ceiling mounted	Yes in #1,2	Carpet		✓	<ul> <li>Image: A start of the start of</li></ul>	~	✓		✓	~			
Domestic water:		Clock	Yes in #1,2	• VCT	-	✓	~ ~	~	~	√	$\checkmark$	✓			
• Hot	Yes in #1,2,3,6	Other communications/IT equipment	,	<ul> <li>Sheet vinyl</li> </ul>	-	✓	~ ~	✓	~	~	$\checkmark$	~			-
Cold	Yes in #1,2,3,6	or requirements:		• Other	-			_		·					-
Sink(s): specialty type: SS large, de		•		Ceilings:	-			_		·					-
deep, single	Yes in #1,2,6			<ul> <li>Minimum ceiling height</li> </ul>	ç	9'0" 9	'0" 9'0	)" 9'0'	9'0"	9'0"	9'0"	9'0"			
Garbage disposal	Yes in #6	Safety/Security		<ul> <li>Exposed to structure - painted</li> </ul>	-	√ .	<u>'0" 9'0</u> ✓ ✓	- <del>-</del>	<u>9'0"</u> ✓	<u>9'0"</u>	~	~			-
Dishwasher connection & drain	Yes in #6	Nonmaster locks		<ul> <li>Lay-in acoustical</li> </ul>	-	✓	<ul> <li>✓</li> </ul>	✓	~	√	$\checkmark$	$\checkmark$			-
Refrigerator w/ice maker connection		Intrusion alarm system		• Other	-										
Other plumbing equipment		Access control		Windows:	-			_							
or requirements:		Other safety/security equipment		<ul> <li>Windows/daylight into space require</li> </ul>	red \	Yes Y	es								_
Water supply to coffee machine		or requirements:		Operable window required		Yes Y				·					
(where provided)	Yes	•		Doors:											
•				• Wood	١	Yes Y	es Ye	s Yes	Yes		Yes	Yes			
				<ul> <li>Hollow metal (exterior)</li> </ul>		Yes									
				<ul> <li>With glazed lites</li> </ul>			es				Yes	Yes			
				<ul> <li>Exterior door required</li> </ul>		Yes									
				• Other	-			_	_						

Other

# A9000 SP-1 Family and Childhood Education (FACE) Program Space Criteria

	✓ ✓	$\checkmark$					$\checkmark$			_	_	_	
ed	✓	✓	✓	✓	✓	✓	9'0" ✓ ✓	√	·				
e required		Yes Yes		_	_	_	_	_		_	_		
	Yes	Yes		Yes	Yes		Yes Yes	Yes Yes		Ξ			
	_	_	_	_	_	_	_	_	_	_			

**BIA School Facilities Space Templates** 

March 30, 2007

# **Chapter A9: Special Programs**

# A9000 SP-1 Family and Childhood Education (FACE) Program Space Criteria

Structural Requirements Consider acoustic roof deck if no		Notes Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide emergency light near door(s).
Room identification sign	Yes	6. Provide emergency exterior lighting.
Room number sign	Yes	7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other signage requirements:		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:
Fire Protection System		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Sprinklers:		
Semi-recessed	Yes	Key Space Design and Relationship Concepts
Other fire protection equipment		1. Classrooms should have direct access to outdoors
or requirements:		2. Near vehicle drop-off/pickup area
•		
Description And March		
Program Activities		Spatial Relationship Diagram
1. Early childhood education, parenting skills, parent		Family and Childhood Education (FACE) Program

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




## **SP-2** Therapy Classroom



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

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

- 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 "Yes" and "No" apply to all spaces Fixed Furnishings/Equipment #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 # refers to Space Description designation Whiteboard (8'-0") Qty 1 ✓ indicates approved feature, system, or material Tackboard (4'-0") Space Description For square footages. Qty 2 see space template Overhead projection screen Qty 1 Qty 1. Therapy classroom Acoustical Conditions TV with wall mounting bracket 1 2. Unisex restroom Casework: Speech privacy No 3. Kitchenette Special acoustical treatment needed No • 1' deep shelf w/coat hooks Yes Musical performance/singing/ Plastic laminate base cabinets Yes Yes cheering expected No Plastic laminate countertops • Plastic laminate upper cabinets Yes Electrical/Lighting • Tall wardrobe cabinet Yes Specialized power requirements Yes in #1.3 Locks Yes Other Power outlet minimum number Yes Specialty outlets/dedicated circuit Yes in #3 Other equipment requirements: Lighting requirements: Soap dispenser Yes Yes • Automatic lighting controls Yes · Paper towel dispenser Yes Yes Direct/indirect lighting Yes Shower curtain Yes Multi-level switched Yes Shower Yes Emergency lighting Yes Changing bench Yes Daily Occupancy Use Other electrical/lighting equipment • Wardrobe hooks Yes 9.5 hrs. (7:30 a.m.-5:00 p.m.) or requirements: Refrigerator Yes five davs a week Dishwasher Yes Yes After-hours use No • Mirror Yes **Communications/IT Requirements Environmental Conditions** Interior Finishes #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 Yes in #1 Air pressure (balanced is assumed): Communication outlet (4-port) -teacher Walls: • CMU - painted Negative Yes in #2,4 Communication outlet (1-port per CMU - ground face, integral color Other HVAC equipment computer station) Yes in #1 or requirements: CATV outlet (coax + Cat 6) Yes in #1 • Standard gypsum board - painted Sound reinforcement outlet Yes in #1 or vinvl covered Wireless access point outlet (2-port) Req. coverage Other Plumbing Mobile projection cart outlet Yes in #1 Base: Domestic water: Outlet (1-port) for future interactive Resilient rubber Hot whiteboard Yes in #2,3 Yes in #1 Ceramic tile Cold Yes in #2,3 Speaker - ceiling mounted Yes in #1 Floors: Floor drain Yes in #2 Clock Yes in #1 Carpet Other communications/IT equipment Sink(s): specialty type: SS large, VCT $\checkmark$ deep, dual Yes in #3 or requirements: Sheet vinyl √ • Ceramic tile Handicapped access requirement Yes . Refrigerator w/ice maker connection Yes in #3 • Other Dishwasher connection & drain Yes in #3 Safety/Security Ceilings: Other plumbing equipment Nonmaster locks Minimum ceiling height 9'0" 9'0" 9'0" • Exposed to structure - painted or requirements: Intrusion alarm system ~ Access control · Lay-in acoustical Other safety/security equipment Other or requirements: Windows: Windows/daylight into space required Yes • Operable window required Yes Doors: Wood Yes Yes With glazed lites Yes Other

### A9010 SP-2 Therapy Classroom Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Coordinate with special education</li> </ul>		3. Provide multi-level light switching.
requirements	Yes	4. Provide direct/indirect lighting system.
		5. Provide emergency light near door(s).
Signage Requirements		6. Provide emergency exterior lighting.
Room identification sign	Yes	7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Room number sign	Yes	8. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other signage requirements:		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:
Fire Protection System		1. Provide semi-recessed heads for spaces with ceilings.
Sprinklers:		
Semi-recessed	Yes	Key Space Design and Relationship Concepts
Other fire protection equipment		1. Near academic core classrooms
or requirements:		2. Adjacent to Special Programs office and testing room
•		
		Spatial Relationship Diagram
Program Activities		Therapy Classroom
1. Accommodates students who have special		
cannot be included in regular instructional p	program	
areas for most of the school day.		
2. Activities include but are not limited to grou		
individual work to improve auditory, tactile,	visuai,	ACADEMIC
kinesthetic, and academic skills.		CORE

3. Restroom provides for changing, toilet, and shower needs.



## **SP-3 Resource Classrooms**



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

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

- 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 Res	source Classrooms	"Yes" and "No" apply to all spaces # refers to Space Description designation		Fixed Furnishings/Equipment Whiteboard (8'-0") Qt	#1	#2	#3	#4 #5 #6	#7 #8	#9 #10	#11 #12
Space Description	For square footages,	✓ indicates approved feature, system,		Tackboard (4'-0") Qt	$\frac{1}{10}$	2		·			
Space Description	see space template	<ul> <li>Indicates approved feature, system,</li> </ul>	ormaterial	Overhead projection screen Qt	ty 2 ty 2 ty 1	<u> </u>		·			
1. K–3 resource classroom	see space template	Acoustical Conditions		TV with wall mounting bracket Qt	ty 1						
2. Grades 4–12 resource classroom	n	Speech privacy	No	Casework:	uy						
3. Kitchenette (in #1 and #2)	11	Special acoustical treatment needed	No	<ul> <li>1' deep shelf w/coat hooks</li> </ul>	Vo	s Ye	<u> </u>				
4. Storage area (in #1 and #2)		Musical performance/singing/	NU	Plastic laminate base cabinets	10	5 10	Yes				
4. Storage area (iii #1 and #2)		cheering expected	No	<ul> <li>Plastic laminate base cabinets</li> <li>Plastic laminate countertops</li> </ul>	-		Yes				
		cheening expected	NU	<ul> <li>Plastic laminate countertops</li> <li>Plastic laminate upper cabinets</li> </ul>			Yes				
		Electrical/Lighting		<ul> <li>Tall wardrobe cabinet</li> </ul>	Va	s Ye		·			<u> </u>
		Specialized power requirements	Vec in #1.2	Locks	Ve	is re is Ye	<u>s</u>	·			<u> </u>
		Power outlet minimum number	Yes in #1-3	<ul> <li>LOCKS</li> <li>16" deep adjustable shelving</li> </ul>	YE	s re	<u>s</u>	Yes			
			Yes					res			
		Lighting requirements:	N.	Other equipment requirements:							
		Automatic lighting controls	Yes	Soap dispenser			<u>Yes</u> Yes				
		Direct/indirect lighting	Yes	Paper towel dispenser							
		Multi-level switched	Yes	• Dishwasher			Yes				
		Other electrical/lighting equipment		<ul> <li>Undercounter refrigerator</li> </ul>			Yes				
		or requirements:									
Daily Occupancy Use		•									
9.5 hrs. (7:30 a.m.–5:00 p.m.)											
five days a week	Yes	Communications/IT Requirements		Interior Finishes	#1	#2	#3	#4 #5 #6	#7 #8	#9 #10	#11 #12
After-hours use	No	Communication outlet (4-port) -teacher	Yes in #1,2	Walls:							
		Communication outlet (1-port per		<ul> <li>CMU - painted</li> </ul>	~	<u> </u>		<u> </u>			
<b>Environmental Conditions</b>		computer station)	Yes in #1,2	<ul> <li>CMU - ground face, integral color</li> </ul>	~						
Air pressure (balanced is assumed	,	CATV outlet (coax + Cat 6)	Yes in #1,2	<ul> <li>Standard gypsum board - painted</li> </ul>							
<ul> <li>Negative</li> </ul>	Yes in #4	Sound reinforcement outlet	Yes in #1,2	or vinyl covered	✓	<u> </u>	✓	✓			
Other HVAC equipment		Wireless access point outlet (2-port)	Req. coverage	Other							
or requirements:		Mobile projection cart outlet	Yes in #1,2	Base:							
•		Outlet (1-port) for future interactive		<ul> <li>Resilient rubber</li> </ul>	✓	´∕	✓	✓			
		whiteboard	Yes in #1,2	Other		_	_				
Plumbing		Speaker - ceiling mounted	Yes in #1,2	Floors:							
Domestic water:		Clock		Carpet	√	<u>√</u>		✓			
Hot	Yes in #3	Other communications/IT equipment		• VCT	✓	<ul> <li>✓</li> </ul>					
Cold	Yes in #3	or requirements:		<ul> <li>Sheet vinyl</li> </ul>	~	✓	$\checkmark$	✓			
Sink(s): specialty type: SS large, de	eep,	•		Other	_						
deep, single	Yes in #3			Ceilings:							
Dishwasher connection & drain	Yes in #3	Safety/Security		<ul> <li>Minimum ceiling height</li> </ul>	9'0	)" 9'0	<u>9'0"</u> √	9'0"			
Other plumbing equipment		Nonmaster locks		<ul> <li>Exposed to structure - painted</li> </ul>	~	✓	✓	✓			
or requirements:		Intrusion alarm system		<ul> <li>Lay-in acoustical</li> </ul>	~	✓	~	✓			
•		Access control		Other			_				
		Other safety/security equipment		Windows:							
		or requirements:		<ul> <li>Windows/daylight into space require</li> </ul>	ed Ye	s Ye	s				
		•		Operable window required		s Ye					
				Doors:			_	·			
				• Wood	Ye	s Ye	s	Yes			
				With glazed lites		s Ye					
				Other							
				2							

## A9020 SP-3 Resource Classrooms Space Criteria

Structural Requirements Consider acoustic roof deck if no ceiling is provided Other structural requirements:	Yes	Notes <u>Electrical:</u> 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.
Signage Requirements Room identification sign Room number sign Other signage requirements:	Yes Yes	<ol> <li>Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.</li> <li>Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.</li> <li>Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.</li> <li>Provide a receptacle mounted at +7'-0" for television.</li> <li><u>Fire Protection:</u></li> <li>Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.</li> </ol>
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements: •	Yes	Key Space Design and Relationship Concepts         1. Near academic core classrooms         2. Adjacent to Special Programs office and testing room         Spatial Relationship Diagram
Program Activities 1. Accommodates students who have due to cognitive disability, hearing ir visual impairment, emotional disturb impairment, autism, brain injury, or I deafness-blindness disabilities.	npairment, visual bance, orthopedic	Resource Classrooms

- 2. A variety of special services, such as one-on-one instruction and small group instruction.
- Activities include but are not limited to group discussions, demonstrations, music activities, life skills, coping skills, speech, and visual and hearing support services.



## **SP-4 Office and Testing**



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

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

- F1 Interior window
- F2 Whiteboard
- F3 Tackboard



## A9030 SP-4 Office and Testing Space Criteria

BIA School Facilities Space Description 1. Office 2. Sound booth	Office and Testing For square footages, see space template	"Yes" and "No" apply to all spaces         # refers to Space Description designation         ✓ indicates approved feature, system, or mather indicates approved feature,	Yes Yes No Yes Yes Yes	Fixed Furnishings/Equipment Whiteboard (8'-0") Tackboard (4'-0") Casework: • Other Other furnishings/millwork/ equipment requirements: •	#1 Qty 1 Qty 1	#2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Other HVAC equipment or requirements:	Yes No Yes	Communications/IT Requirements Communication outlet (2-port) -standard Wireless access point outlet (2-port) Req. Other communications/IT equipment or requirements:	Yes q. coverage	Interior Finishes Walls: • CMU - painted • Standard gypsum board - painted or vinyl covered • Acoustical wall treatment Base: • Resilient rubber • Other	✓ ✓	#2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12  #11       #12       #12
Plumbing Other plumbing equipment or requirements: •		Safety/Security Nonmaster locks Intrusion alarm system Access control Other safety/security equipment or requirements:		Floors: • Carpet • VCT • Sheet vinyl • Other Ceilings: • Minimum ceiling height • Lay-in acoustical • Other Windows: • Interior borrowed light window Doors: • Wood • With glazed lites • Other	Yes Yes	$ \begin{array}{c}                                     $

## A9030 SP-4 Office and Testing Space Criteria

## **Chapter A9: Special Programs**

Structural Requirements Other structural requirements:		Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor. 2. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Signage Requirements		
Room identification sign	Yes	
Room number sign	Yes	
Other signage requirements:		
Fire Protection System		Key Space Design and Relationship Concepts
Sprinklers:		1. Near academic core classrooms
<ul> <li>Semi-recessed</li> </ul>	Yes	2. Adjacent to FACE, therapy classroom, and resources classrooms
Other fire protection equipment		
or requirements:		
•		
Program Activities		Spatial Relationship Diagram
1. Office area for Special Programs staff		Office and Testing

2. Hearing testing, learning disability testing, and assessment tests

Onice and resting



## SP-5 Baby FACE Program



# 0 2' 4' 8'



### 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 shelvingF2 Tackboard

BIA School Facilities       E         Space Description         1. Office         2. Storage area	Baby FACE Program For square footages, see space template	rterial Yes in #1 Yes in #1 No Yes Yes Yes	Fixed Furnishings/Equipment Tackboard (4'-0") Casework: • 16" deep adjustable shelving Other furnishings/millwork/ equipment requirements: •	Qty 1	#2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         Yes
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Air pressure (balanced is assumed • Negative Other HVAC equipment or requirements: • Plumbing Other plumbing equipment or requirements: •	Yes No d): Yes in #2	Yes in #1 . coverage	Interior Finishes Walls: • CMU - painted • Standard gypsum board - painter or vinyl covered • Other Base: • Resilient rubber • Other Floors: • Carpet • VCT • Sheet vinyl • Other Ceilings: • Minimum ceiling height • Lay-in acoustical • Other Doors: • Wood • With glazed lites • Other	d	#2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12

## A9040 SP-5 Baby FACE Program Space Criteria

1

I

Structural Requirements Other structural requirements:		Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor. 2. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Signage Requirements Room identification sign Room number sign Other signage requirements:	Yes Yes	
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements: •	Yes	Key Space Design and Relationship Concepts           1. Near academic core classrooms
Program Activities 1. Office area for Family and Childhor staff member	od Education	Spatial Relationship Diagram Baby FACE Program



## SA-1 Administrative Offices – 100 Students or Fewer





- 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

- 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

## A10000

SA-1 Administrative Offices – 100 Students or Fewer Space Criteria

## **Chapter A10: School Administration**

Principal office         See space fundation           2. Other         Control         Special professments readed that is an	BIA School Facilities	Admin Suite - <101	"Yes" and "No" apply to all spaces # refers to Space Description designal			Qty					#6	#7 #	8	#9 #	<b>#10</b>	#11	#12
I. metagona officie         Constant Conditions         Security of Conditions         Secure of Conditions         Security of Conditions	Space Description	For square footages,	<ul> <li>Indicates approved feature, system</li> </ul>	, or material		Jty	—	—	—			— –			<u> </u>		
3. Courseling       AcceptionSecter/synaming       Yes	1. Principal's office	ooo opuoo tompiato	Acoustical Conditions			Qty								1			
4. Receptory/waing 6. Nare's office Nare's office 8. Nare's office 8. Organization of 9. Conference come 11. Suff requirements: 9. Communication office 9. Normatic lighting opuriment 9. Status of the safety 8. Soap dispersar	2. Office		Speech privacy	Yes in #1-3,5, 6,10	Casework:												
5. Faculty area on the stroke of the stro	3. Counseling		Special acoustical treatment needed	No	<ul> <li>Plastic laminate base cabinets</li> </ul>												
5. Nursis affice         Yes	<ol><li>Reception/secretary/waiting</li></ol>				<ul> <li>Plastic laminate countertops</li> </ul>		_										
T. Murea solitics restroom         Electrical/Uphting           9. CopyIntercodes         Specialized over requirements:         Yes           9. CopyIntercodes         Specialized over requirements:         Yes           9. CopyIntercodes         Specialized over requirements:         Yes           11. Staff restroom         12. Cutadata         Yes           12. Cutadata         Yes         Yes           0. Contrence com         Specialized over requirements:         Yes           12. Cutadata         Yes         Yes           0. Contrence com         Specialized over requirements:         Yes           0. Contrence com         Specialized over requirements:         Yes           0. Cutadata         Yes         Yes           0. Contrence com         Specialized over requirements:         Yes           0. Contrence com         Yes         Yes           12. Cutadata         Yes         Yes           0. Contrence com         Yes         Yes           12. Cutadata         Yes         Yes           2201/ Occurstory VES         Yes         Yes           Set YES contry         Yes         Yes           Arresource (contrantications/If Requirements:         Yes         Yes           C	5. Faculty area		cheering expected	No						Yes	Yes	<u> </u>	/es	Yes			
8. Valuitized power requirements       Yes       Specialized power requirements       Yes									Yes								
C. Copyennes com         Prive couler infimum number         Yes         Ves         Ves         Yes														Yes	,		
10. Conternee room       Light requirements:       -															,		
11. Staff rearborn <ul> <li>Automaic lighting outprised</li> <li>Cubic outpancy Use</li> <li>Solution outpatients:</li> <li></li></ul>				Yes							Yes	<u> </u>	/es				
12. Custodian          • Emergency lighting or requirements:         • Ves binly Cocurse of the electricality intrg equipment or requirements:         • Ves binly Cocurse of the electricality intrg equipment or requirements:         • Ves binly Cocurse of the electricality intrg equipment or requirements:         • Ves binly Cocurse of the electricality intrg equipment or requirements:         • Ves binly Cocurse of the electricality intrg equipment or requirements:         • Ves • Ves binly Cocurse of the electricality intrg equipment or requirements:         • Ves • Ves binly Cocurse of the electricality intrg equipment or requirements:         • Ves • Ves binly equipment or requirements:         • Ves • Ves binly equipment or requirements:         • Ves binly equipment or requirements:         • Ves • Ves binly equipment or requirements:         • Ves binly for conee ves in #5,7,11			0 0 1														
Other electricality.intring equipment or requirements:       - Cubicle curtain       -			5 5														
Daily Occupancy Use Shrs. (7:30 and n.5:00 pm.) five days a week Mater-hours use       Soap disponser       Yes	12. Custodian			Yes							<del></del> -	<u> </u>	res	Yes	•		
Delig Occupancy Use         •										<u></u>		<del></del> _				<u></u>	
Daily Geoupancy Uso           Sher, (7:30 arr. 5:00 pm.)         Yes           Match-hour use         No           Environmental Conditions         Communication utilet (2-port). standard Yes in #16.10           Air pressure (balanced is assumed):         Yes in #6.7,9           • Negative (balanced is assumed):         The communication utilet (2-port).           • Ves in #6.7,9         Surveillance camera           Other of munication still equipment or requirements:         •           • Hot         11,12           • Other         Sately/Security           • Nonnaster locks         •           • Thin the standard grass mather locks         •           • Other         Sately/Security           • Other         Satel			•														
3.5. hr.g. (7:30 a.m5:00 p.m.) five days a weak       Yes No         Environmental Conditions Atter-hours use       Yes No         Environmental Conditions Atter-hours use       Yes No         Environmental Conditions Atter-hours use       Yes No         No attrie Communication outlet (2-port) Ves in #6,7,9 Other status or requirements:       Yes in #6,7,9 11,12         No attrie Communications/T equipment or requirements:       Yes in #6,7,9 11,12         Other state/scale (Cold       Yes in #6,7,7 11,12         No       Safer//Security Yes in #5,7         Other state/scale (deps single deps single (deps single correquirements:       Yes in #5,7 Yes in #5,7         Yes in #5,7 (deps single deps single (deps single correquirements:       Yes in #5,7 Yes in #5,7         Yes in #6,7,11 Yes in #5,7,7       Yes in #5,7,7         Yes in #5,7,7			•							Yes		Yes				Yes	
fire days a week       Yes       No					<ul> <li>Undercounter refrigerator</li> </ul>						Yes						
Ather-hours use       No       Communication onlight Requirements         Environmental Conditions       Communication start (2-port) standard (Y-port)       Req. coverage         Altr pressure (balanced is assumed):       Yes in #6,7,9,         • Negative       11,12         Other communication onlight requirements:       •         •       Other communications/IT equipment or requirements:         •       •         •       Stadet/Security         Nomaster locks       •         •       Stadet/Security         Nomaster locks       •         •	,	N/															
Communication outlet (2-port) -standard Yes in #3-0.0 Air pressure (balanced is assumed):       Walls::         Ves in #6.7.9, Other HVAC equipment or requirements:       Yes in #6.7.9, 11.12       Surveillance camera Other communications/IT equipment or requirements:       Yes in #4.7.9, Surveillance camera       Yes in #4.7.9, Yes in #4.7         • Negative Other HVAC equipment or requirements:       Other communications/IT equipment or requirements:       Yes in #4.7.9, Yes in #5.6.7       Surveillance camera Other safety/Security equipment or requirements:       Yes in #5.6.7         • Hot       Yes in #5.6.7       Nonmaster locks Intrusion alarm system Attrigeness control       Nonmaster locks Intrusion alarm system Attrigeness control       Yes in #5.7.11         • Hot       Yes in #5.7.11 Yes in #5.7.11         • Mop sink       Yes in #5.7.11 Yes in #5.7.11         • Mop sink       Yes in #5.7.11 Yes in #5.7.11         • Mop sink       Yes in #5.7.11 Yes in #5.7.11         • Monowaidaylight into space required to requirements:       Yes in #5.7.11 Yes in #5.7.11	,				Interior Finishes		#0	<i>#</i> 0		# <b>F</b>				<b>"</b> 0	#4.0	444	#4.0
Environmental Conditions         Air pressure (balanced is assumed):         Viereless access point outlet (2-port)         Negative         Other HVAC equipment         or requirements:         or requirements:         •         Public provide acceles point outlet (2-port)         Surveillance camera         Other HVAC equipment         or requirements:         •         •         Public provide acceles point outlet (2-port)         Participation of requirements:         •         •         Public provide acceles point outlet (2-port)         Participation of requirements:         •         •         Public provide acceles point outlet (2-port)         Participation of requirements:         •         •         Point add         •         Point add         •         Point add (provide acceles point outlet (2-port)         Participation acceles point outlet (2-port)         Participation acceles point ments         •         •         Other communications provide acceles point ac	After-hours use	INO		rd Vee in #1 6 10		#1	#Z	#3	#4	#5	#0	#/ #	6	#9 7	#1U	#11	#12
Air pressure (balanced is assumed):       Yes in #4       Yes in #4       Yes in #4       Yes in #4         • Negative       11,12       Other communications/IT equipment or requirements:       • <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td></t<>																1	
Yes in #6,7,9,       Surveillance camera       Yes in #4         • Negative       11,2         Other dWAC equipment       or requirements:         •       Surveillance camera         Other dWAC equipment       or viryl covered         • requirements:       •         •       Size (Size (		).				• •	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>					
• Negative or requirements:       11,12       Other ormunications/IT equipment or requirements:       or vinyl covered       v	All pressure (balanced is assumed					-	<u> </u>	<u> </u>	<u> </u>	<u> </u>					•		
Other HVAC equipment or requirements:       or equirements:       •	- No gotivo			165 111 #4		1	1	1	1	1	1	~	1	1	1	1	1
or requirements:		11,12				-	<u> </u>	<u> </u>	<u> </u>	<u> </u>	÷.	<u> </u>	<u> </u>				
Plumbing         Domestic water:         • Hot       11,12         Nonmaster locks         Intrusion alarm system         Access control         Other satety/security equipment         or requirements:         • Cold water supply to coffee machine         • Mop sink         • Yes in #5.6         • Mop sink         • Yes in #5.7         • Mop sink         • Yes in #7.112         • Monative supply to coffee machine         • Mop sink         • Yes in #7.12         • Mop sink         • Yes in #7.12         • Mop sink         • Yes in #7.7         • Mop sink         •			•												•		
Plumbing       Safety/Security       Other         Domestic water:       Yes in #5,6,7         • Hot       11,12         Yes in #5,6,7       Intrusion alarm system         • Cold       11,12         Yes in #5,6,7       Other safety/security equipment or requirements:       • VCT         • Cold       11,12         Sink(s): specialty type: SS large, deep, single       Yes in #5,6,7         Garbage disposal       Yes in #5,7,11         Handicapped access requirement       Yes in #5,7,11         Yes in #5,6,7       •         Other safety/security equipment or requirements:       •         • Other       •         Callings:       •         • Other       •	•		•			1	~	~	~	~	~	~	~	~	~	~	~
Plumbing       Safety/Security       Other         Domestic water:       Yes in #5,6,7         • Hot       11,12         Yes in #5,6,7       Intrusion alarm system         • Cold       11,12         Yes in #5,6,7       Other safety/security equipment         or requirements:       • VCT         • Cold       11,12         Other safety/security equipment       or requirements:         • Cold       11,12         Other safety/security equipment       or requirements:         • Cold       11,12         Other safety/security equipment       or requirements:         • Sealed concrete	•						<u> </u>	<u>·</u> –	<u> </u>	<u> </u>	<u> </u>	$\overline{\checkmark}$					
Domestic water:       Yes in #5,6,7       Nonmaster locks       Floors:       - Carpet       - V	Plumbing		Safety/Security									<u> </u>				<u> </u>	
• Hot       11,12       Intrusion alarm system         • Cold       11,12       · · · · · · · · · · · · · · · · · · ·																	
Floor drain       Yes in #7,11,12       •       • Sealed concrete       Image: Cellings:         deep, single       Yes in #5,6         Garbage disposal       Yes in #5,7,11         Handicapped access requirement       Yes in #5,7,11         Refrigerator w/ice maker connection       Yes in #5         Other       ·         • Cold water supply to coffee machine       Yes in #5         • Mong sink       Yes in #12         • Mong sink       Yes in #7         • Handicapped shower wand       Yes in #7         • Mong sink       Yes in #7	Bomootio Water.	Yes in #5.6.7				✓	✓	✓	~	~			✓	✓	✓		
Floor drain       Yes in #7,11,12       •       • Sealed concrete       Image: Cellings:         deep, single       Yes in #5,6         Garbage disposal       Yes in #5,7,11         Handicapped access requirement       Yes in #5,7,11         Refrigerator w/ice maker connection       Yes in #5         Other       Image: Cellings:         • Cold water supply to coffee machine       Yes in #5         • Mop sink       Yes in #12         • Handicapped shower wand       Yes in #7         • Mop sink       Yes in #7         • Mode       Yes	Hot		-							$\checkmark$	$\overline{}$	<u>_</u>	~	~		$\overline{}$	$\overline{}$
Floor drain       Yes in #7,11,12       •       • Sealed concrete       Image: Cellings:         deep, single       Yes in #5,6         Garbage disposal       Yes in #5,7,11         Handicapped access requirement       Yes in #5,7,11         Refrigerator w/ice maker connection       Yes in #5         Other       ·         • Cold water supply to coffee machine       Yes in #5         • Mong sink       Yes in #12         • Mong sink       Yes in #7         • Handicapped shower wand       Yes in #7         • Mong sink       Yes in #7											$\overline{}$	✓	✓	✓		~	
Floor drain       Yes in #7,11,12       •       • Sealed concrete       Image: Cellings:         deep, single       Yes in #5,6       Other       Image: Cellings:       Image: Cellings: <td>Cold</td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><math>\overline{}</math></td> <td></td> <td></td> <td></td> <td>✓</td> <td>~</td>	Cold				,							$\overline{}$				✓	~
Sink(s): specialty type: SS large, deep, single       Yes in #5,6         Garbage disposal       Yes in #5,7,11         Handicapped access requirement       Yes in #5,7,11         Refrigerator w/ice maker connection       Yes in #5         Other       Yes in #12         Object       Yes in #12         Object       Yes in #7         Object       Yes in #7         Other       Yes	Floor drain		•		<ul> <li>Sealed concrete</li> </ul>												$\checkmark$
deep, single       Yes in #5,6         Garbage disposal       Yes in #5         Handicapped access requirement       Yes in #5,7,11         Handicapped access requirement       Yes in #5,7,11         Gorbage disposal       Yes in #5,7,11         Refrigerator w/ice maker connection       Yes in #5,7,11         Other plumbing equipment       Yes in #5         or requirements:       Other         • Cold water supply to coffee machine       Yes in #5         • Monsink       Yes in #12         • Handicapped shower wand       Yes in #7         • Handicapped shower wand       Yes in #7	Sink(s): specialty type: SS large,				Other												
Handicapped access requirement       Yes in #5,7,11         Refrigerator w/ice maker connection       Yes in #5         Other plumbing equipment       • Gypsum board - painted         or requirements:       • Other         • Cold water supply to coffee       • Windows:         machine       Yes in #12         • Mop sink       Yes in #12         • Handicapped shower wand       Yes in #7         • Wood       Yes         • Wind glazed lites       Yes         • Wind glazed lites       Yes         • Other       Yes		Yes in #5,6			Ceilings:												
Handicapped access requirement       Yes in #5,7,11         Refrigerator w/ice maker connection       Yes in #5         Other plumbing equipment       • Gypsum board - painted         or requirements:       • Other         • Cold water supply to coffee       • Windows:         machine       Yes in #12         • Mop sink       Yes in #12         • Handicapped shower wand       Yes in #7         • Wood       Yes         • Wind glazed lites       Yes         • With glazed lites       Yes         • Other       Yes	Garbage disposal					9'0"	<u>9'</u> 0"	<u>9'</u> 0"	9'0"	9'0"	9'0"	<u>9'0</u> " १	9'0"	<u>9'0</u> " 9	9'0"	9'0"	<u>9</u> '0"
Other plumbing equipment or requirements:       • Other         • Cold water supply to coffee machine       Yes in #5         • Mop sink       Yes in #12         • Handicapped shower wand       Yes in #7         • Wood       Yes	Handicapped access requirement	Yes in #5,7,11										✓				$\checkmark$	√
or requirements:       • Windows:         • Cold water supply to coffee machine       Yes in #5         • Mop sink       Yes in #12         • Handicapped shower wand       Yes in #7         • Wood       Yes	Refrigerator w/ice maker connectio	n Yes in #5			Lay-in acoustical	$\checkmark$	~	$\checkmark$	$\checkmark$	$\checkmark$	✓	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	~
<ul> <li>Cold water supply to coffee machine</li> <li>Mop sink</li> <li>Handicapped shower wand</li> <li>Yes in #7</li> <li>Windows/daylight into space required</li> <li>Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes</li></ul>	Other plumbing equipment				Other												
machine       Yes in #5       • Operable window required       Yes       Yes <td>or requirements:</td> <td></td>	or requirements:																
machine       Yes in #5       • Operable window required       Yes       Yes <td><ul> <li>Cold water supply to coffee</li> </ul></td> <td></td>	<ul> <li>Cold water supply to coffee</li> </ul>																
Handicapped shower wand     Yes in #7     Obors:     Wood     Yes Yes Yes Yes Yes Yes Yes Yes Yes					<ul> <li>Operable window required</li> </ul>				Yes								
• Wood     • Wood     • With glazed lites     • Other     • Other									Yes		Yes						
With glazed lites     Yes Yes Yes Yes Yes Yes Yes Yes Yes	<ul> <li>Handicapped shower wand</li> </ul>	Yes in #7					_	_	_	_			_	_	_	-	
• Other	•					Yes	Yes	Yes	Yes	Yes	Yes	Yes Y	es	Yes	Yes	Yes	Yes
						Yes	Yes	Yes	Yes		Yes			`	Yes .		
					Other												
BIA School Facilities Space Templates A10000-3																000	~ ~

March 30, 2007

## **Chapter A10: School Administration**

## A10000 SA-1 Administrative Offices – 100 Students or Fewer Space Criteria

Structural Demuirements		
Structural Requirements	Notes	
Other structural requirements:	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.	
Signage Requirements	4. Provide emergency light near doors.	
Room identification sign	5. Provide emergency lighting for egress path.	
Room number sign	6. Provide zone lighting at beds separately from work area lighting.	
Other signage requirements:	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.	
Fire Protection System	10. Provide a minimum of four dedicated receptacles in this space.	
Sprinklers:		
Semi-recessed	Key Space Design and Relationship Concepts	
Other fire protection equipment	1. Adjacent to main school entry	
or requirements:	2. Access to all areas of the school	
•	3. Visual access to parent and bus drop-off areas	
Program Activities	Spatial Relationship Diagram	
<ol> <li>Central administrative suite for the school</li> </ol>	Administrative Offices – 100 Students or Fewer	
2. Reception/secretary services, including received	Administrative Offices – 100 Students of Fewer	
visitors and providing visual security for the m		
entry, as well as support for administrative sta		
3. Office space for administrative and counselin	aff	
4. Nurse's office treatment of minor injuries,		
administration of medicine, and cots for sick of		
5. Secured storage for cash and records		
6. Work space for copying, mail distribution, and	neral de la desta de la des	
administrative storage needs		
7. Conferences with staff, students, parents, and	The Contrally Locate administration to rename of BCH00L programmatic areas	
community members		
8. Staff restroom for staff health needs		
9. Break, lunch, and meeting area for faculty		
, , , , <u>,</u>		)



VIEW TO PARKING AREA

MAIN ENTRY

## SA-2 Administrative Offices – 101 to 200 Students





- 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

- 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

### **Chapter A10: School Administration**

#### **BIA School Facilities** Fixed Furnishings/Equipment Admin Suite - 101-200 "Yes" and "No" apply to all spaces #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 # refers to Space Description designation Whiteboard (8'-0") Qty ✓ indicates approved feature, system, or material Tackboard (4'-0") Space Description For square footages. Qty see space template Copier (coordinate electrical 1. Principal's office Acoustical Conditions requirements) Qty 2. Office Yes in #1-3,5, 6,10 Casework: Speech privacy 3. Counseling Special acoustical treatment needed No Plastic laminate base cabinets Yes Yes Yes Yes 4. Reception/secretary/waiting Musical performance/singing/ Plastic laminate countertops Yes Yes Yes Yes 5. Faculty area cheering expected No • Plastic laminate upper cabinets Yes Yes Yes Yes 6. Nurse's office Reception counter Yes 7. Nurse's office restroom Electrical/Lighting · Mail slots Yes 8. Cash/vault/ records Specialized power requirements Medicine cabinet Yes Yes 9. Copy/mail/storage Power outlet minimum number Locks Yes Yes Yes Other 10. Conference room Lighting requirements: 11. Staff restroom Automatic lighting controls Yes in #1-6.9.10 Other equipment requirements: 12. Custodian • Emergency lighting Yes • High-density shelving Yes Yes Other electrical/lighting equipment Cubicle curtain Yes Soap dispenser Yes or requirements: Yes Yes Yes Yes Yes Yes · Paper towel dispenser . Yes Daily Occupancy Use • Undercounter refrigerator Yes 9.5 hrs. (7:30 a.m.-5:00 p.m.) five davs a week Yes After-hours use No **Communications/IT Requirements** Interior Finishes #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 Communication outlet (2-port) -standard Yes in #1-6,10 Walls: **Environmental Conditions** Wireless access point outlet (2-port) Req. coverage CMU - painted √ Air pressure (balanced is assumed): Clock Yes in #4 • CMU - ground face, integral color ✓ • Standard gypsum board - painted Yes in #6.7.9. Surveillance camera Yes in #4 $\checkmark \checkmark \checkmark \checkmark \checkmark \checkmark$ 11.12 Other communications/IT equipment or vinvl covered ~ Negative Other HVAC equipment or requirements: Other or requirements: Base: . Resilient rubber . Ceramic tile Plumbing Other Safety/Security Domestic water: Nonmaster locks Floors: Yes in #5,6,7 Intrusion alarm system Carpet Hot 11,12 Access control VCT Yes in #5,6,7 Other safety/security equipment √ Sheet vinyl Cold 11,12 or requirements: Ceramic tile Yes in #7,11,12 Sealed concrete Floor drain Sink(s): specialty type: SS large, Other deep, single Yes in #5,6 Ceilings: Garbage disposal Yes in #5 • Minimum ceiling height Handicapped access requirement Gypsum board - painted Yes in #5,7,11 Refrigerator w/ice maker connection Yes in #5 Lay-in acoustical Other plumbing equipment Other or requirements: Windows: • Cold water supply to coffee Windows/daylight into space required Yes Yes Yes Yes Yes machine Yes in #5 • Operable window required Yes Yes Yes Yes Yes Mop sink Yes in #12 Interior borrowed light window Yes Yes • Handicapped shower wand Yes in #7 Doors: Wood With glazed lites Yes Yes Yes Yes Yes Yes Other

# BIA School Facilities Space Templates March 30, 2007

A10010-3

## A10010

SA-2 Administrative Offices – 101 to 200 Students Space Criteria

## **Chapter A10: School Administration**

## A10010 SA-2 Administrative Offices – 101 to 200 Students Space Criteria

Structural Requirements	Notes
Other structural requirements:	Electrical:
	1. Provide wall switch type occupancy sensor.
•	2. Provide automatic shut-off via building management system time clock.
	3. Provide automatic statedni va balang management system time clock.
Signage Requirements	4. Provide emergency light near doors.
Room identification sign Yes	5. Provide emergency lighting for egress path.
Room number sign Yes	
	<ol> <li>6. Provide zone lighting at beds separately from work area lighting.</li> <li>7. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.</li> </ol>
Other signage requirements:	8. Provide power for video conferencing if requested by the BIA.
•	
Eine Ducto stieve Quetour	9. Provide a minimum of three dedicated above-counter receptacles.
Fire Protection System	10. Provide a minimum of four dedicated receptacles in this space.
Sprinklers:	Van Anna Daire and Dairting his Concerts
Semi-recessed Yes	Key Space Design and Relationship Concepts 1. Adjacent to main school entry
Other fire protection equipment	
or requirements:	2. Access to all areas of the school
•	3. Visual access to parent and bus drop-off areas
Program Activities	Spatial Relationship Diagram
1. Central administrative suite for the school	
2. Reception/secretary services, including receiving	Administrative Offices – 101 to 200 Students
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	
<ol> <li>Work space for copying, mail distribution, and general administrative storage needs</li> </ol>	
7. Conferences with staff, students, parents, and other	CENTRALLY LOCATE ADMINIBITRATION TO REMAINDER OF SCHOOL PROGRAMMATIC AREAS
community members 8. Staff restroom for staff health needs	
9. Break, lunch, and meeting area for faculty	





## SA-3 Administrative Offices – 201 to 400 Students



- 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

- 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

## A10020

SA-3 Administrative Offices – 201 to 400 Students Space Criteria

## **Chapter A10: School Administration**

BIA School Facilities Ad	min Suite - 201-400	"Yes" and "No" apply to all spaces # refers to Space Description designat	ion	Fixed Furnishings/Equipment Whiteboard (8'-0")	#1 Dtv	#2	#3	#4	#5	#6	#7 ;	#8	#9	#10	#11 ; 1
Space Description	For square footages,	✓ indicates approved feature, system		Tackboard (4'-0")	Qty Qty		•		•				•		1
pace bescription	see space template		ormaterial	Copier (coordinate electrical									•		<u> </u>
1. Principal's office	obe option template	Acoustical Conditions			Qty									1	
2. Assistant principal's office		Speech privacy	Yes in #1-4,6, 7,11	Casework:											
3. Other offices		Special acoustical treatment needed	No	Plastic laminate base cabinets						Yes	Yes		Yes	Yes	
. Counseling		Musical performance/singing/		<ul> <li>Plastic laminate countertops</li> </ul>							Yes		Yes		
5. Reception/secretary/waiting		cheering expected	No	<ul> <li>Plastic laminate upper cabinets</li> </ul>						Yes	Yes		Yes	Yes	
5. Faculty area		5 1		Reception counter					Yes						
7. Nurse's office		Electrical/Lighting		Mail slots										Yes	
3. Nurse's office restroom		Specialized power requirements	Yes	<ul> <li>Medicine cabinet</li> </ul>							Yes				
. Vault/cash/records		Power outlet minimum number	Yes	Locks							Yes		Yes		
0. Copy/mail/storage		Lighting requirements:		Other											
1. Conference room		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1-7, 10, 11	Other equipment requirements:											
2. Staff restroom		<ul> <li>Emergency lighting</li> </ul>	Yes	<ul> <li>High-density shelving</li> </ul>									Yes	Yes	
		Other electrical/lighting equipment		Cubicle curtain							Yes				
		or requirements:		<ul> <li>Soap dispenser</li> </ul>						Yes	Yes	Yes			
		•		Paper towel dispenser					•		Yes				
aily Occupancy Use				Undercounter refrigerator					•		Yes	<u> </u>			
0.5 hrs. (7:30 a.m.–5:00 p.m.)				<u>j</u>											
five days a week	Yes														
After-hours use	No														
		Communications/IT Requirements		Interior Finishes	#1	#2	#3	#4	#5	#6	#7 ;	#8	#9	#10	#11 ;
nvironmental Conditions		Communication outlet (2-port) -standa	rdYes in #1-7.10.11	Walls:											
Air pressure (balanced is assumed)	:	Wireless access point outlet (2-port)	Req. coverage	CMU - painted	✓	~	$\checkmark$	$\checkmark$	✓	$\checkmark$	✓	✓	✓	$\checkmark$	~
Negative	Yes in #7,8,10,12	Clock	Yes in #5	CMU - ground face, integral color	$\checkmark$	$\checkmark$	$\checkmark$	✓	~	$\checkmark$					
Other HVAC equipment	1-1-1	Surveillance camera	Yes in #5	<ul> <li>Standard gypsum board - painted</li> </ul>											
or requirements:		Other communications/IT equipment		or vinvl covered	✓	$\checkmark$	$\checkmark$	✓	✓	$\checkmark$	✓	✓	✓	$\checkmark$	~
•		or requirements:		• Other											
		•		Base:											
				Resilient rubber	✓	✓	✓	✓	✓	✓	✓	✓	✓	$\checkmark$	~
Plumbing		Safety/Security		Ceramic tile								~			
Domestic water:		Nonmaster locks		• Other											
• Hot	Yes in #6-8,12	Intrusion alarm system		Floors:											
• Cold	Yes in #6-8.12	Access control		Carpet	✓	~	✓	~	✓	✓			~	$\checkmark$	~
Floor drain	Yes in #8,12	Other safety/security equipment		• VCT		✓					✓	~	~	$\checkmark$	
Sink(s): specialty type: SS large,	100 11 10,12	or requirements:		Ceramic tile			•		•			~			
deep, single	Yes in #6,7	•		Sheet vinyl							~	~	~	$\checkmark$	
Garbage disposal	Yes in #6	-		• Other											
landicapped access requirement	Yes in #6,8,12			Ceilings:			•		•				•		
Refrigerator w/ice maker connection				<ul> <li>Minimum ceiling height</li> </ul>	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"	9'0"
Other plumbing equipment	10311#0			Gypsum board - painted	50	50	50	50	50	50	50	<u>√</u>	50	50	<u> </u>
or requirements:				Lay-in acoustical	$\checkmark$	$\overline{}$	~	~	~	~	✓	~	✓	$\checkmark$	$\overline{}$
Cold water supply to coffee				Other					<u> </u>	<u> </u>		<u> </u>			
machine	Yes in #6			Windows:											
Handicapped shower wand	Yes in #8			<ul> <li>Windows.</li> <li>Windows/daylight into space requi</li> </ul>	red Ves	Yes	Yes	Yes	Yes	Yes					
	100 111 #0			<ul> <li>Operable window required</li> </ul>	Vec	Yes	Yes	Yes	Yes						
-				<ul> <li>Interior borrowed light window</li> </ul>	103	163	103		Yes		Yes				
				Doors:		—			103		103				
				Wood	Voc	Voc	Vac	Vac	Vac	Vac	Vac	Vac	Vac	Vec	Voc
				With glazed lites	Ves	Yes	Vec	Vac	Vac	162	Yes	162	162	169	Yes Yes
				Other	165	162	162	162	162		162				162

BIA School Facilities Space Templates March 30, 2007

A10020-3

## **Chapter A10: School Administration**

## A10020 SA-3 Administrative Offices – 201 to 400 Students Space Criteria

ENTRY LOBBY

MAIN

ENTRY

Structural Requirements	Notes
Other structural requirements:	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.
Signage Requirements	4. Provide emergency light near doors.
Room identification sign Yes	5. Provide emergency lighting for egress path.
Room number sign Yes	6. Provide zone lighting at beds separately from work area lighting.
Other signage requirements:	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.
Fire Protection System	10. Provide a minimum of four dedicated receptacles in this space.
Sprinklers:	10. Provide a minimum of four dedicated receptacies in this space.
• Semi-recessed Yes	Key Space Design and Relationship Concepts
Other fire protection equipment	1. Adjacent to main school entry
or requirements:	2. Access to all areas of the school
	3. Visual access to parent and bus drop-off areas
•	
Program Activities	Spatial Relationship Diagram
1. Central administrative suite for the school	
2. Reception/secretary services, including receiving	Administrative Offices – 201 to 400 Students
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	CENTRALLY LOCATE ADMINISTRATION TO REMAINDER OF SCHOOL PROGRAMMATIC AREAS
community members	
8. Staff restroom for staff health needs	
9. Break, lunch, and meeting area for faculty	+

SA-1 TO 5 ADMINISTRATION

VIEW TO

PARKING AREA

## SA-4 Administrative Offices – 400 Plus Students



5' 10'

0

ARCHITECTURAL AND INTERIORS KEY NOTES

20'

- F13 . F14 .
  - F15 Handicapped shower wand

### 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

- 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

## **Chapter A10: School Administration**

	Admin Suite - 400+	"Yes" and "No" apply to all spaces # refers to Space Description designation			ty			#4 #			7 #8	#9	#10	<b>#11</b> 1	#12
	For square footages, see space template	✓ indicates approved feature, system,	or material	Tackboard (4'-0") Copier (coordinate electrical	ty	_								1	
<ol> <li>Principal's office</li> <li>Assistant principal's office</li> <li>Other offices</li> <li>Counseling</li> <li>Reception/secretary/waiting</li> <li>Faculty area</li> <li>Nurse's office</li> <li>Nurse's office restroom</li> <li>Vault/cash/records</li> </ol>	see space template	Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected Electrical/Lighting Specialized power requirements Power outlet minimum number	Y <u>es in #1-4, 6, 7,1</u> 1 No No Yes Yes	requirements) C Casework: • Plastic laminate base cabinets • Plastic laminate countertops • Plastic laminate upper cabinets • Reception counter • Mail slots • Medicine cabinet • Locks	ity				`		es		Yes Yes Yes		
<ol> <li>Copy/mail/storage</li> <li>Conference room</li> <li>Staff restrooms</li> </ol> Daily Occupancy Use		Lighting requirements: • Automatic lighting controls • Emergency lighting Other electrical/lighting equipment or requirements: •	Yes in #1-7,10,11 Yes	<ul> <li>Other</li> <li>Other equipment requirements:</li> <li>High-density shelving</li> <li>Cubicle curtain</li> <li>Soap dispenser</li> <li>Paper towel dispenser</li> <li>Undercounter refrigerator</li> </ul>						Yes Y Yes Y	es es Yes es Yes es		Yes		Yes Yes
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use	Yes No													·	
Environmental Conditions Air pressure (balanced is assumed):		Communications/IT Requirements Communication outlet (2-port) -standar Wireless access point outlet (2-port) Clock	Req. coverage	Interior Finishes Walls: • CMU - painted	#1 	#2 ~		#4 #			7 #8 / _/				
<ul> <li>Negative</li> <li>Other HVAC equipment</li> <li>or requirements:</li> </ul>	Yes in #7,8,10,12	Surveillance camera Other communications/IT equipment or requirements:	Yes in #5 Yes in #5	<ul> <li>CMU - ground face, integral color</li> <li>Standard gypsum board - painted or vinyl covered</li> <li>Other</li> </ul>							/ _/				
Plumbing Domestic water:		Safety/Security Nonmaster locks		Base: • Resilient rubber • Ceramic tile • Other	✓	<u>√</u>	~	✓	✓	✓		✓	✓	✓	✓ ✓
<ul><li>Hot</li><li>Cold</li><li>Floor drain</li></ul>	Yes in #6-8,12 Yes in #6-8,12 Yes in #8,12	Intrusion alarm system Access control Other safety/security equipment		Floors: • Carpet • VCT	$\checkmark$	✓ ✓	✓ ✓	✓ ✓	✓ ✓			✓ ✓	✓ ✓ ✓	✓ ✓	✓
Sink(s): specialty type: SS large, deep, single Garbage disposal Handicapped access requirement	Yes in #6,7 Yes in #6 Yes in #6,8,12	or requirements: •		<ul> <li>Sheet vinyl</li> <li>Ceramic tile</li> <li>Other</li> <li>Ceilings:</li> </ul>		Ξ						✓ 	✓ 		✓ ✓
Refrigerator w/ice maker connection Other plumbing equipment or requirements:	Yes in #6			<ul> <li>Minimum ceiling height</li> <li>Gypsum board - painted</li> <li>Lay-in acoustical</li> </ul>							<u>0" 9'0'</u>				9'0" ✓
<ul> <li>Cold water supply to coffee machine</li> <li>Handicapped shower wand</li> </ul>	Yes in #6 Yes in #8			Cay-in acousticat     Other     Windows:     Windows/daylight into space require     Operable window required     Interior borrowed light window	ed Yes		Yes	Yes \ Yes \		Yes Yes		· 	· · · · · · · · · · · · · · · · · · ·	· 	
				Methor borowed light window Doors:     Wood     With glazed lites     Other	Yes Yes	Yes Yes	Yes Yes		íes `	Yes Y	es Yes es	Yes	Yes	Yes Yes	Yes

## A10030 SA-4 Administrative Offices – 400 Plus Students Space Criteria

## **Chapter A10: School Administration**

## A10030 SA-4 Administrative Offices – 400 Plus Students Space Criteria

Structural Requirements	Notes
Other structural requirements:	<u>Electrical:</u>
•	1. Provide wall switch type occupancy sensor.
	2. Provide automatic shut-off via building management system time clock.
Signage Requirements	3. Provide multi-level light switching.
Room identification sign Yes	4. Provide emergency light near doors.
Room number sign Yes	5. Provide emergency lighting for egress path.
Other signage requirements:	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.
Fire Protection System	9. Provide a minimum of three dedicated above-counter receptacles.
Sprinklers:	10. Provide a minimum of four dedicated receptacles in this space.
Semi-recessed Yes	
Other fire protection equipment	Key Space Design and Relationship Concepts
or requirements:	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	Spatial Relationship Diagram
1. Central administrative suite for the school	
2. Reception/secretary services, including receiving	Administrative Offices – 400 Plus Students
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
- 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

CENTRALLY LOCATE ADMINISTRATION TO REMAINDER OF SCHOOL PROGRAMMATIC AREAS





ENTRY

LOBBY

VIEW TO PARKING AREA

MAIN ENTRY

## **SA-5 Grant School Administrative Offices**



- 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.

- F1 Windows/daylight into space required
- F2 16" deep adjustable shelving
- F3 Interior window
SA-5 Grant School Administrative Offices Space Criteria

#### **Chapter A10: School Administration**

#### BIA School Facilities Grant School Admin Offices #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 "Yes" and "No" apply to all spaces Fixed Furnishings/Equipment # refers to Space Description designation Tackboard (4'-0") Qty 1 1 1 1 ✓ indicates approved feature, system, or material Casework: Space Description For square footages, see space template • 16" deep adjustable shelving Yes Other furnishings/millwork/ 1. Executive director's office Acoustical Conditions 2. Business manager's office Yes in #1-4 equipment requirements: Speech privacy 3. Procurement staff office Special acoustical treatment needed No 4. Administrative assistant's office Musical performance/singing/ cheering expected 5. Closet No 6. Circulation corridor 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.) Communications/IT Requirements Interior Finishes #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 #1 five days a week Communication outlet (2-port) -standard Yes in #1-4 Walls: Yes After-hours use No Wireless access point outlet (2-port) Req. coverage CMU - painted Other communications/IT equipment • Standard gypsum board - painted **Environmental Conditions** or requirements: or vinyl covered ✓ ✓ $\checkmark$ $\checkmark$ Other HVAC equipment Other ٠ or requirements: Base: $\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$ Resilient rubber . Other Safety/Security Plumbing Nonmaster locks Floors: Other plumbing equipment Intrusion alarm system Carpet $\checkmark$ or requirements: Access control Other Other safety/security equipment Ceilings: . or requirements: Minimum ceiling height 9'0" 9'0" 9'0" 9'0" 9'0" $\overline{\mathbf{v}}$ Lay-in acoustical ✓ √ ~ . $\checkmark$ Other Windows: • Windows/daylight into space required Yes Yes • Operable window required Yes Yes • Interior borrowed light window Yes Yes Yes Doors: Wood Yes With glazed lites Yes • Other

#### **Chapter A10: School Administration**

#### A10040 SA-5 Grant School Administrative Offices Space Criteria

Structural Requirements	Notes
Other structural requirements:	Electrical:
•	1. Provide wall switch type occupancy sensor.
	2. Provide automatic shut-off via building management system time clock.
Signage Requirements	3. Provide multi-level light switching.
Room identification sign Yes	4. Provide emergency lighting for egress path.
Room number sign Yes	5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other signage requirements:	
•	
Fire Protection System	Key Space Design and Relationship Concepts
Sprinklers:	1. Adjacent to the school administrative suite
Semi-recessed Yes	2. Access to all areas of the school
Other fire protection equipment	
or requirements:	
•	
Program Activities	Spatial Relationship Diagram
1. Office space for grant school administrative staff.	Grant School Administrative Offices



## MC-1 Grades K thru 8 Media Center – 100 Students or Fewer



- 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: SIZE:	Enrollment of 100 students 800 s.f.	or fewer
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.
	Circulation Desk	100 8.1.

- 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-1 Grades K thru 8 Media Center – 100 Students or Fewer Space Criteria

IA School Facilities K-8 M	Nedia Center - <101	"Yes" and "No" apply to all spaces	-	Fixed Furnishings/Equipment		#2	#3 #	#4 #	5 #6	#7 #8	#9 #10 #11
Decembration	<b>F</b> (	# refers to Space Description designation		Whiteboard (8'-0") Qty	1						
pace Description	For square footages, see space template	✓ indicates approved feature, system, o	or material	Tackboard (4'-0")QtyOverhead projection screenQty	1						
Reading, browsing, & stack area		Acoustical Conditions		TV with wall mounting bracket Qty	1						
Professional publications		Speech privacy	Yes in #3	Casework:							
Librarian office		Special acoustical treatment needed	Yes	<ul> <li>Plastic laminate base cabinets</li> </ul>			`	Yes Y	es		
Audio/visual		Musical performance/singing/		<ul> <li>Plastic laminate countertops</li> </ul>			<u>`</u>	Yes Y	es		
Storage/workroom		cheering expected	No	<ul> <li>Plastic laminate upper cabinets</li> </ul>			<u> </u>	Yes Y	es		
Circulation desk				<ul> <li>Tall wardrobe cabinet</li> </ul>			Yes				
		Electrical/Lighting		<ul> <li>Circulation desk</li> </ul>					Ye	s	
		Power outlet minimum number	Yes	Bookcase	Yes						
		Specialty outlets/dedicated circuit	Yes	Locks			Yes				
		Lighting requirements:		<ul> <li>16" deep adjustable shelving</li> </ul>		Yes					
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1,3,6	Other furnishings/millwork/							
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1,6	equipment or requirements:							
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1	<ul> <li>Acoustical wall panels</li> </ul>	Yes						
		<ul> <li>Emergency lighting</li> </ul>	Yes	<ul> <li>Soap dispenser</li> </ul>					es		
		Other electrical/lighting equipment		<ul> <li>Paper towel dispenser</li> </ul>				Υ	es		
aily Occupancy Use		or requirements:									
5 hrs. (7:30 a.m.–5:00 p.m.)		•									
ve days a week	Yes										
er-hours use	Yes	<b>Communications/IT Requirements</b>		Interior Finishes	#1	#2	#3 #	#4 #	5 #6	#7 #8	#9 #10 #11
		Communication outlet (2-port) -standard	Yes in #4-6	Walls:							
vironmental Conditions		Communication outlet (4-port) -teacher	Yes in #3	<ul> <li>CMU - painted</li> </ul>	✓	✓	✓	✓	<u> </u>	·	
pressure (balanced is assumed)	:	Communication outlet (1-port per		<ul> <li>CMU - ground face, integral color</li> </ul>	✓				√	·	
Negative	Yes in #4,5	computer station)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>							
eating/cooling at floor level critical		CATV outlet (coax + Cat 6)	Yes in #1,4	or vinyl covered	✓	✓	✓	✓	<u> </u>	·	
o user age	Yes		Req. coverage	Other					_		
her HVAC equipment		Outlet (1-port) for future interactive		Base:							
r requirements:		whiteboard	Yes in #1	<ul> <li>Resilient rubber</li> </ul>	✓	✓	✓	✓	<u> </u>	·	
		Clock	Yes in #6	Other					_		
		Other communications/IT equipment		Floors:							
umbing		or requirements:		Carpet	✓	✓	✓		<u> </u>		
mestic water:		•		• VCT		$\checkmark$	✓	✓			
Hot	Yes in #5			Other							
Cold	Yes in #5	Safety/Security		Ceilings:							
nk(s): specialty type: SS large,		Nonmaster locks		<ul> <li>Minimum ceiling height</li> </ul>	10'	9'		9'	9' <u>1</u> 0		
eep, single	Yes in #5	Intrusion alarm system		<ul> <li>Exposed to structure - painted</li> </ul>	$\checkmark$	$\checkmark$			<ul> <li>✓</li> </ul>		
her plumbing equipment		Access control		<ul> <li>Gypsum board - painted</li> </ul>	✓	✓			<ul> <li></li> </ul>		
r requirements:		Other safety/security equipment		<ul> <li>Lay-in acoustical</li> </ul>	✓	✓	~	✓	<ul> <li>✓</li> </ul>		
		or requirements:		Other							
		•		Windows:							
				<ul> <li>Windows/daylight into space required</li> </ul>							
				<ul> <li>Operable window required</li> </ul>	Yes						
				<ul> <li>Interior borrowed light window</li> </ul>	Yes		Yes		Ye	S	
				Doors:							
				• Wood		Yes	Yes \	Yes Y	es		
				<ul> <li>Hollow metal (exterior)</li> </ul>	Yes						
				<ul> <li>With glazed lites</li> </ul>	Yes		Yes	Y	es		
				<ul> <li>Exterior door required (emergency</li> </ul>							
				egress only)	Yes						
				Other	_	=					

**BIA School Facilities Space Templates** March 30, 2007

A11000

### **Chapter A11: Media Centers**

of positive attitudes toward reading and learning.

### MC-1 Grades K thru 8 Media Center – 100 Students or Fewer Space Criteria

Structural Requirements	Notes
Consider acoustic roof deck if no	Electrical:
ceiling is provided Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:	2. Provide automatic shut-off via building management system time clock.
	3. Provide automatic short-on via building management system time clock.
•	0 0
	4. Provide direct/indirect lighting system.
Signage Requirements	5. Provide emergency lighting for egress path.
Room identification sign Yes	6. Provide exterior emergency lighting.
Room number sign Yes	7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Other signage requirements:	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.
Fire Protection System	11. Provide power for overhead projector.
Sprinklers:	Fire Protection:
Semi-recessed Yes	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Other fire protection equipment	
or requirements:	Key Space Design and Relationship Concepts
•	1. Near academic center of the school
	2. Access to classrooms
Program Activities	3. Easy access to public parking
1. The media center is an information laboratory that	
serves the instructional needs of the entire school.	Spatial Relationship Diagram
2. Provides students with access to information	
technology and multimedia materials in an area that	Grades K thru 8 Media Center – 100 Students or Fewer
allows for individual, small group, and classroom	
research. Space should encourage the development	



Opposite of main lobby

At front of school

## MC-2 Grades K thru 8 Media Center - 101 to 200 Students



- 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 st	udents
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.

- 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-2 Grades K thru 8 Media Center – 101 to 200 Students Space Criteria

#### **Chapter A11: Media Centers**

#### BIA School Facilities K-8 Media Center - 101-200 "Yes" and "No" apply to all spaces Fixed Furnishings/Equipment #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 # refers to Space Description designation Whiteboard (8'-0") Qty 1 ✓ indicates approved feature, system, or material Tackboard (4'-0") Space Description For square footages. Qty 1 Overhead projection screen see space template Qty 1 1. Reading, browsing, & stack area Acoustical Conditions TV with wall mounting bracket Qty 1 2. Professional publications Yes in #3 Casework: Speech privacy 3. Librarian office Special acoustical treatment needed Yes Plastic laminate base cabinets Yes 4. Audio/visual Musical performance/singing/ Plastic laminate countertops Yes Yes 5. Storage/workroom cheering expected No • Plastic laminate upper cabinets Yes Yes 6. Circulation desk • Tall wardrobe cabinet Yes Electrical/Lighting Circulation desk Yes Power outlet minimum number Bookcase Yes Yes Locks Specialty outlets/dedicated circuit Yes Yes Lighting requirements: • 16" deep adjustable shelving Yes Automatic lighting controls Yes in #1.3.6 Other furnishings/millwork/ • Direct/indirect lighting Yes in #1,6 equipment or requirements: • Multi-level switched Yes in #1 Acoustical wall panels Yes Soap dispenser Emergency lighting Yes Yes Other electrical/lighting equipment Paper towel dispenser Yes Daily Occupancy Use or requirements: 9.5 hrs. (7:30 a.m.-5:00 p.m.) • five davs a week Yes After-hours use Yes **Communications/IT Requirements** Interior Finishes #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 Communication outlet (2-port) -standard Yes in #4-6 Walls: **Environmental Conditions** Communication outlet (4-port) -teacher Yes in #3 CMU - painted Air pressure (balanced is assumed): Communication outlet (1-port per • CMU - ground face, integral color computer station) Yes in #1 • Standard gypsum board - painted Negative Yes in #4,5 Heating/cooling at floor level critical CATV outlet (coax + Cat 6) Yes in #1.4 $\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$ or vinvl covered to user age Yes Wireless access point outlet (2-port) Req. coverage Other Other HVAC equipment Outlet (1-port) for future interactive Base: or requirements: whiteboard Yes in #1 Resilient rubber Clock Yes in #6 Other Other communications/IT equipment Floors: Plumbing or requirements: Carpet ~ Domestic water: • • VCT ./ ./ Hot Yes in #5 Other Cold Safety/Security Yes in #5 Ceilings: Sink(s): specialty type: SS large, Nonmaster locks Minimum ceiling height 9' 9' 9' 10' Yes in #5 Intrusion alarm system • Exposed to structure - painted ~ ~ ~ ~ $\checkmark$ deep, single Other plumbing equipment Access control • Gypsum board - painted √ ✓ ✓ $\checkmark$ √ √ ~ √ √ or requirements: Other safety/security equipment · Lay-in acoustical ~ or requirements: Other Windows: • Windows/daylight into space required Yes Yes Operable window required 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 earess only) Yes Other

.

#### A11010-3

## MC-2 Grades K thru 8 Media Center - 101 to 200 Students Space Criteria

Structural Requirements Consider acoustic roof deck if no		Notes
ceiling is provided	Yes	Electrical: 1. Provide wall switch type occupancy sensor.
Other structural requirements:	Tes	2. Provide automatic shut-off via building management system time clock.
		3. Provide multi-level light switching.
•		4. Provide direct/indirect lighting system.
Signage Dequirements		5. Provide emergency lighting for egress path.
Signage Requirements	Yes	
Room identification sign	Yes	6. Provide exterior emergency lighting.
Room number sign	res	<ol> <li>Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.</li> <li>Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.</li> </ol>
Other signage requirements:		
•		9. Provide a minimum of two dedicated receptacles per wall in this room.
Fire Destantion Quetow		10. Provide a receptacle mounted at +7'-0" for television.
Fire Protection System		11. Provide power for overhead projector.
Sprinklers:	N	Fire Protection:
Semi-recessed     Other fire protection equipment	Yes	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Other fire protection equipment		
or requirements:		Key Space Design and Relationship Concepts
•		1. Near academic center of the school
		2. Access to classrooms
Program Activities		3. Easy access to public parking
1. The media center is an information la		
serves the instructional needs of the		Spatial Relationship Diagram
2. Provides students with access to info		Grades K thru 8 Media Center – 101 to 200 Students
technology and multimedia materials		
allows for individual, small group, an		
research. Space should encourage t	the development	





Opposite of main lobby

MAIN

LOBBY

COMPUTER CLASS ROOM

ADMINISTRATION

€-

At front of school

A11010

## MC-3 Grades K thru 8 Media Center - 201 to 400 Students



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

CAPACITY: SIZE:	Enrollment of 201 to 400 st 800 s.f. plus 30 s.f. per stud 15% of the total student des over 200	ent of
ANCILLARY SPACES:	Professional Publications Librarian Office Audio/Visual Storage/Workroom Circulation Desk Student Project Room Conference Room	75 s.f. 120 s.f. 200 s.f. 300 s.f. 100 s.f. 500 s.f. 250 s.f.

- 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 - 201-400 "Yes" and "No" apply to all spaces # refers to Space Description designation For square footages, ✓ indicates approved feature, system, or material Space Description see space template 1. Reading, browsing, & stack area Acoustical Conditions 2. Professional publications Speech privacy 3. Librarian office Special acoustical treatment needed 4. Audio/visual Musical performance/singing/ 5. Storage/workroom cheering expected 6. Circulation desk 7. Student project room Electrical/Lighting 8. Conference room Daily Occupancy Use 9.5 hrs. (7:30 a.m.-5:00 p.m.) five davs 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 Other plumbing equipment or requirements:

.

Yes in #5

#### 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 Soap dispenser Yes in #1 Emergency lighting Yes • Paper towel dispenser 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:

Yes In #3,8

Yes

No

#### A11020 #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 Fixed Furnishings/Equipment Whiteboard (8'-0") Qty 1 Tackboard (4'-0") Qty 1 Overhead projection screen Qty 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

Yes Yes

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#1
Walls:												
<ul> <li>CMU - painted</li> </ul>	✓	✓	✓	✓	✓	✓	<u>√</u>	✓				
<ul> <li>CMU - ground face, integral color</li> </ul>	✓					√	√	√				
<ul> <li>Standard gypsum board - painted</li> </ul>												
or vinyl covered	✓	✓	✓	✓	✓	✓	✓	✓				
Other												_
Base:												
<ul> <li>Resilient rubber</li> </ul>	✓	✓	✓	✓	✓	✓	✓	✓				
Other												
Floors:												
Carpet	✓	~	✓	✓	✓	✓	✓	✓				
• VCT		✓	√	✓	~		√					
Other												
Ceilings:												
<ul> <li>Minimum ceiling height</li> </ul>	10'	9'	9'	9'	9'	10'	<u>10'</u>	10'				
<ul> <li>Exposed to structure - painted</li> </ul>	✓	✓	√	~	✓	✓	√	✓				
<ul> <li>Gypsum board - painted</li> </ul>	✓	✓	√	✓	✓	✓	√	✓				
Lay-in acoustical	✓	✓	√	✓	✓	✓	√	✓				
Other												
Windows:												
• Windows/daylight into space required	Yes							Yes				
<ul> <li>Operable window required</li> </ul>	Yes							Yes				
<ul> <li>Interior borrowed light window</li> </ul>			Yes			Yes	Yes					
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes		Yes	Yes				
<ul> <li>Hollow metal (exterior)</li> </ul>	Yes											
With glazed lites	Yes		Yes		Yes		Yes	Yes			-	
• Exterior door required (emergency											-	
egress only)	Yes											
• Other							· —					

### MC-3 Grades K thru 8 Media Center – 201 to 400 Students Space Criteria

#### **Chapter A11: Media Centers**

allows for individual, small group, and classroom research. Space should encourage the development of positive attitudes toward reading and learning.

### MC-3 Grades K thru 8 Media Center - 201 to 400 Students Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide emergency lighting for egress path.
Room identification sign	Yes	6. Provide exterior emergency lighting.
Room number sign	Yes	7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Other signage requirements:		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.
Fire Protection System		11. Provide power for overhead projector.
Sprinklers:		12. Provide power for videoconferencing if requested by the BIA.
<ul> <li>Semi-recessed</li> </ul>	Yes	Fire Protection:
Other fire protection equipment		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
or requirements:		
•		Key Space Design and Relationship Concepts
		1. Near academic center of the school
Program Activities		2. Access to classrooms
1. The media center is an information la	aboratory that	3. Easy access to public parking
serves the instructional needs of the		
2. Provides students with access to info		Spatial Relationship Diagram
technology and multimedia materials		

#### 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



 Loose furnishings shown represent one of many possible arrangements.
 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 Librarian Office

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

75 s.f.

BIA School Facilities     K-8 Media Center - 400+       Space Description     For square footages, see space template	"Yes" and "No" apply to all spaces # refers to Space Description designation ✓ indicates approved feature, system, or material		1									1 #12
<ol> <li>Reading, browsing, &amp; stack area</li> <li>Professional publications</li> <li>Librarian office</li> <li>Audio/visual</li> <li>Storage/workroom</li> <li>Circulation desk</li> <li>Student project room</li> <li>Conference room</li> </ol>	Acoustical Conditions Speech privacy Yes in #3,8 Special acoustical treatment needed Musical performance/singing/ cheering expected No Electrical/Lighting Specialized power requirements Yes	TV with wall mounting bracket Qty <b>Casework:</b> • Plastic laminate base cabinets • Plastic laminate countertops • Plastic laminate upper cabinets • Tall wardrobe cabinet • Circulation desk • Bookcase	1  		Yes	Yes Yes	Yes Yes Yes					
6. Conterence room	Power outlet minimum number     Yes       Specialty outlets/dedicated circuit     Yes       Lighting requirements:     Automatic lighting controls       • Automatic lighting     Yes in #1,3,6       • Direct/indirect lighting     Yes in #1,6       • Multi-level switched     Yes in #1	<ul> <li>Locks</li> <li>16" deep adjustable shelving Other furnishings/millwork/ equipment or requirements:</li> <li>Acoustical wall panels</li> <li>Soap dispenser</li> </ul>	_	Yes			Yes	= _				
Daily Occupancy Use       9.5 hrs. (7:30 a.m5:00 p.m.)       five days a week     Yes       After-hours use     Yes	Emergency lighting Yes Other electrical/lighting equipment or requirements:	Paper towel dispenser Interior Finishes Walls:	#1									1 #12
Environmental Conditions         Air pressure (balanced is assumed):         • Negative         Heating/cooling at floor level critical	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	<ul> <li>CMU - painted</li> <li>CMU - ground face, integral color</li> <li>Standard gypsum board - painted or vinyl covered</li> <li>Other</li> </ul>	✓ ✓ ✓									- <u> </u>
to user age Yes Other HVAC equipment or requirements:	CATV outlet (coax + Cat 6) Wireless access point outlet (2-port) Outlet (1-port) for future interactive whiteboard Clock Yes in #1,4 Req. coverage Yes in #1,4 Req. coverage Yes in #1	Base: • Resilient rubber • Other Floors: • Carpet	✓ 				_	<u>~</u> ~		✓ 	 	==
Plumbing           Domestic water:           • Hot         Yes in #5           • Cold         Yes in #5	Other communications/IT equipment or requirements:	<ul> <li>VCT</li> <li>Other</li> <li>Ceilings:</li> <li>Minimum ceiling height</li> </ul>	10'	√ 9'	✓ 9'	✓	✓	10'	10'	10'	 	
Sink(s): specialty type: SS large, deep, single Yes in #5 Other plumbing equipment or requirements:	Safety/Security         Nonmaster locks         Intrusion alarm system         Access control         Other safety/security equipment	<ul> <li>Exposed to structure - painted</li> <li>Gypsum board - painted</li> <li>Lay-in acoustical</li> <li>Other</li> <li>Windows:</li> </ul>	$\checkmark$	$\checkmark$	✓ ✓ ✓	$\checkmark$ $\checkmark$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\checkmark$		 	 
	or requirements: ●	Windows/daylight into space required     Operable window required     Interior borrowed light window     Doors:     Wood	Yes	_	Yes	Yes	Ves	Yes		Yes Yes	 	
		<ul> <li>Hollow metal (exterior)</li> <li>With glazed lites</li> <li>Exterior door required (emergency egress only)</li> <li>Other</li> </ul>	Yes Yes Yes		Yes		Yes	_	Yes			

MC-4 Grades K thru 8 Media Center – 400 Plus Students Space Criteria

#### **Chapter A11: Media Centers**

### MC-4 Grades K thru 8 Media Center - 400 Plus Students Space Criteria

Structural Requirements	Notes
Consider acoustic roof deck if no	Electrical:
ceiling is provided Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:	2. Provide automatic shut-off via building management system time clock.
•	3. Provide multi-level light switching.
	4. Provide direct/indirect lighting system.
Signage Requirements	5. Provide emergency lighting for egress path.
Room identification sign Yes	6. Provide exterior emergency lighting.
Room number sign Yes	7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Other signage requirements:	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.
Fire Protection System	11. Provide power for overhead projector.
Sprinklers:	12. Provide power for videoconferencing if requested by the BIA.
• Semi-recessed Yes	Fire Protection:
Other fire protection equipment	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
or requirements:	
•	Key Space Design and Relationship Concepts
	1. Near academic center of the school
Program Activities	2. Access to classrooms
1. The media center is an information laboratory that	3. Easy access to public parking
serves the instructional needs of the entire school.	
2. Provides students with access to information	Spatial Relationship Diagram
technology and multimedia materials in an area that	
allows for individual, small group, and classroom	Grades K thru 8 Media Center – 400 Plus Students
since in an and a since group, and blabbiobili	

#### Grades K thru 8 Media Center – 400 Plus Students



**Opposite of main lobby** 

At front of school

research. Space should encourage the development of positive attitudes toward reading and learning.

## MC-5 Grades 9 thru 12 Media Center – 100 Students or Fewer



- 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.

- 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-5 Grades 9 thru 12 Media Center – 100 Students or Fewer Space Criteria

BIA School Facilities 9-12 I Space Description	<b>Nedia Center - &lt;101</b> For square footages,	"Yes" and "No" apply to all spaces # refers to Space Description designation ✓ indicates approved feature, system, of		Fixed Furnishings/Equipment           Whiteboard (8'-0")         Qty           Tackboard (4'-0")         Qty	1	# <u> </u> #3			#8 #9 #10 #11	
Space Description	see space template		Di Malenai	Overhead projection screen Qty						
1. Reading, browsing, & stack area		Acoustical Conditions		TV with wall mounting bracket Qty						
2. Professional publications		Speech privacy	Yes in #3	Casework:						
3. Librarian office		Special acoustical treatment needed	Yes	<ul> <li>Plastic laminate base cabinets</li> </ul>			Yes Yes	<u> </u>		
4. Audio/visual		Musical performance/singing/		Plastic laminate countertops			Yes Yes			
5. Storage/workroom		cheering expected	No	Plastic laminate upper cabinets		<u></u>	Yes Yes	<u> </u>		
<ol><li>Circulation desk</li></ol>				Tall wardrobe cabinet		Yes		<u></u>		
		Electrical/Lighting Power outlet minimum number	Yes	<ul><li>Circulation desk</li><li>Bookcase</li></ul>	Vee			Yes		
		Specialty outlets/dedicated circuit	Yes	Locks	Yes	Yes				
		Lighting requirements:	165	<ul> <li>16" deep adjustable shelving</li> </ul>		Yes				
		Automatic lighting controls	Yes in #1,3,6	Other furnishings/millwork/		165				
		Direct/indirect lighting	Yes in #1,6	equipment or requirements:						
		Multi-level switched	Yes in #1	<ul> <li>Acoustical wall panels</li> </ul>	Yes					
		Emergency lighting	Yes	Soap dispenser	100		Yes	; <u> </u>		
		Other electrical/lighting equipment		<ul> <li>Paper towel dispenser</li> </ul>			Yes			
Daily Occupancy Use		or requirements:								
9.5 hrs. (7:30 a.m.–5:00 p.m.)		•								
five days a week	Yes									
After-hours use	Yes	<b>Communications/IT Requirements</b>		Interior Finishes	#1	#2 #3	#4 #5	#6 #7 #	<sup>‡</sup> 8   #9    #10  #11	1 #12
		Communication outlet (2-port) -standard	Yes in #4-6	Walls:						
Environmental Conditions		Communication outlet (4-port) -teacher	Yes in #3	<ul> <li>CMU - painted</li> </ul>	✓	✓ ✓	✓ ✓	<u> </u>		
Air pressure (balanced is assumed)		Communication outlet (1-port per		<ul> <li>CMU - ground face, integral color</li> </ul>	✓			<u> </u>		
<ul> <li>Negative</li> </ul>	Yes in #4,5	computer station)	Yes in #1	<ul> <li>Standard gypsum board - painted</li> </ul>						
Other HVAC equipment		CATV outlet (coax + Cat 6)	Yes in #1,4	or vinyl covered	~	✓ ✓	✓ ✓	<u> </u>		
or requirements:		Wireless access point outlet (2-port)	Req. coverage	• Other						
•		Outlet (1-port) for future interactive	N	Base:		, ,		,		
		whiteboard	Yes in #1	<ul> <li>Resilient rubber</li> <li>Other</li> </ul>	~	✓ ✓	✓ ✓	<u> </u>		
Plumbing Domestic water:		Clock Other communications/IT equipment	Yes in #6	• Other Floors:						
Hot	Yes in #5	or requirements:		Carpet	1	<i></i>	<i>.</i>	1		
• Cold	Yes in #5	•		• VCT	<u> </u>	$\frac{1}{\sqrt{2}}$	$\frac{\checkmark}{\checkmark}$	·		
Sink(s): specialty type: SS large,	163 11 #3	•		• Other		<u> </u>	<u> </u>			
deep, single	Yes in #5	Safety/Security		Ceilings:						
Other plumbing equipment	100 11 10	Nonmaster locks		<ul> <li>Minimum ceiling height</li> </ul>	10'	9' 9'	9' 9'	10'		
or requirements:		Intrusion alarm system		<ul> <li>Exposed to structure - painted</li> </ul>	<u> </u>	$\overline{\checkmark}$	$\overline{\checkmark}$	<u> </u>		
•		Access control		<ul> <li>Gypsum board - painted</li> </ul>	✓	<ul> <li>✓</li> </ul>	$\checkmark$ $\checkmark$	· <u> </u>		
		Other safety/security equipment		Lay-in acoustical	$\checkmark$	✓ ✓	$\checkmark$ $\checkmark$	· <u> </u>		
		or requirements:		Other						
		•		Windows:						
				<ul> <li>Windows/daylight into space require</li> </ul>	d <u>Yes</u>					
				<ul> <li>Operable window required</li> </ul>	Yes					
				<ul> <li>Interior borrowed light window</li> </ul>	Yes	Yes		Yes		
				Doors:						
				• Wood		Yes Yes	Yes Yes	<u> </u>		
				Hollow metal (exterior)	Yes					
				With glazed lites	Yes	Yes	Yes	<u> </u>		
				Exterior door required (emergency	V					
				egress only)	Yes					
				Other						

A11040

#### **Chapter A11: Media Centers**

of positive attitudes toward reading and learning.

### MC-5 Grades 9 thru 12 Media Center – 100 Students or Fewer Space Criteria

Structural Requirements	Notes	
Consider acoustic roof deck if no	Electrical:	
ceiling is provided	1. Provide wall switch type occupancy sensor.	
Other structural requirements:	2. Provide automatic shut-off via building management system time clock.	
•	3. Provide multi-level light switching.	
	4. Provide direct/indirect lighting system.	
Signage Requirements	5. Provide emergency lighting for egress path.	
Room identification sign	6. Provide exterior emergency lighting.	
Room number sign	7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric	lighting system.
Other signage requirements:	8. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.	·9·····9 · ) · · · · · ·
•	9. Provide a minimum of two dedicated receptacles per wall in this room.	
	10. Provide a receptacle mounted at +7'-0" for television.	
Fire Protection System	11. Provide power for overhead projector.	
Sprinklers:	Fire Protection:	
Semi-recessed	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in s	storage areas
Other fire protection equipment		
or requirements:	Key Space Design and Relationship Concepts	
•	1. Near academic center of the school	
	2. Access to classrooms	
Program Activities	3. Easy access to public parking	
1. The media center is an information laborator		
serves the instructional needs of the entire s	Spatial Relationship Diagram	
2. Provides students with access to information		
	Grades 9 thru 12 Media Center – 100 Students or Fewer	
5 17		
technology and multimedia materials in an a allows for individual, small group, and classr research. Space should encourage the deve		



Opposite of main lobby

At front of school

## MC-6 Grades 9 thru 12 Media Center - 101 to 200 Students



- 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: SIZE:	Enrollment of 101 to 200 st 1,200 s.f.	udents
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.

- 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 "Yes" and "No" apply to all spaces Fixed Furnishings/Equipment #1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 # refers to Space Description designation Whiteboard (8'-0") Qty 1 ✓ indicates approved feature, system, or material Tackboard (4'-0") Space Description For square footages. Qty 1 see space template Overhead projection screen Qty 1 1. Reading, browsing, & stack area Acoustical Conditions TV with wall mounting bracket Qty 1 2. Professional publications Yes in #3 Casework: Speech privacy 3. Librarian office Special acoustical treatment needed Yes Plastic laminate base cabinets Yes 4. Audio/visual Musical performance/singing/ Plastic laminate countertops Yes Yes 5. Storage/workroom cheering expected No • Plastic laminate upper cabinets Yes Yes 6. Circulation desk • Tall wardrobe cabinet Yes Electrical/Lighting Circulation desk Yes Power outlet minimum number Bookcase Yes Yes Locks Specialty outlets/dedicated circuit Yes Yes Lighting requirements: • 16" deep adjustable shelving Yes Automatic lighting controls Yes in #1.3.6 Other furnishings/millwork/ • Direct/indirect lighting Yes in #1,6 equipment or requirements: • Multi-level switched Yes in #1 Acoustical wall panels Yes Soap dispenser Emergency lighting Yes Yes Other electrical/lighting equipment Paper towel dispenser Yes Daily Occupancy Use or requirements: 9.5 hrs. (7:30 a.m.-5:00 p.m.) • five davs a week Yes After-hours use Yes **Communications/IT Requirements** Interior Finishes #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 Communication outlet (2-port) -standard Yes in #4-6 Walls: **Environmental Conditions** Communication outlet (4-port) -teacher Yes in #3 CMU - painted Air pressure (balanced is assumed): Communication outlet (1-port per • CMU - ground face, integral color computer station) Yes in #1 • Standard gypsum board - painted Negative Yes in #4,5 Other HVAC equipment CATV outlet (coax + Cat 6) Yes in #1.4 $\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$ or vinvl covered or requirements: Wireless access point outlet (2-port) Req. coverage Other Outlet (1-port) for future interactive Base: whiteboard Yes in #1 Resilient rubber Plumbing Clock Yes in #6 VCT ~ 1 ~ Other communications/IT equipment Other Domestic water: Yes in #5 or requirements: Floors: Yes in #5 • Carpet Sink(s): specialty type: SS large, Other deep, single Safety/Security Yes in #5 Ceilings: Other plumbing equipment Nonmaster locks Minimum ceiling height 9' 9' 10' 9' or requirements: Intrusion alarm system • Exposed to structure - painted ~ ~ ~ $\checkmark$ ~ Access control • Gypsum board - painted √ ✓ ✓ $\checkmark$ √ $\checkmark$ ~ ✓ √ Other safety/security equipment · Lay-in acoustical ~ or requirements: Other Windows: • Windows/daylight into space required Yes Yes Operable window required 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 earess only) Yes Other

Hot

Cold

.

### MC-6 Grades 9 thru 12 Media Center – 101 to 200 Students Space Criteria

#### **Chapter A11: Media Centers**

of positive attitudes toward reading and learning.

### MC-6 Grades 9 thru 12 Media Center - 101 to 200 Students Space Criteria

Structural Requirements Consider acoustic roof deck if no		Notes Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
—		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide emergency lighting for egress path.
Room identification sign	Yes	6. Provide exterior emergency lighting.
Room number sign	Yes	7. Provide automatic shut-off via building management system photocell of portion of perimeter zone of electric lighting system.
Other signage requirements:		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.
Fire Protection System		11. Provide power for overhead projector.
Sprinklers:		Fire Protection:
Semi-recessed	Yes	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Other fire protection equipment		
or requirements:		Key Space Design and Relationship Concepts
•		1. Near academic center of the school
		2. Access to classrooms
Program Activities		3. Easy access to public parking
1. The media center is an information labo		
serves the instructional needs of the ent		Spatial Relationship Diagram
<ol> <li>Provides students with access to inform technology and multimedia meterials in</li> </ol>		Grades 9 thru 12 Media Center – 101 to 200 Students
technology and multimedia materials in		
allows for individual, small group, and cl		
research. Space should encourage the	uevelopment	



Opposite of main lobby

At front of school

## MC-7 Grades 9 thru 12 Media Center – 201 to 400 Students



CAPACITY: SIZE:

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

	Enrollment of 201 to 400 str 1,200 s.f. plus 30 s.f. per stu 15% of the total student des over 200	ident of
CES:	Professional Publications	75 s.f.

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.

- 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

- 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.m5:00 p.m.)
five days a week
After-hours use

- **Environmental Conditions**
- Air pressure (balanced is assumed):
- Negative
- Other HVAC equipment
- or requirements:
- .
- Plumbing

Domestic water:

- Hot
- Cold

Sink(s): specialty type: SS large, deep, single

Other plumbing equipment

or requirements:

.

# refers to Space Description desig ✓ indicates approved feature, syst For square footages, see space template

Yes

Yes

Yes in #5

Yes in #5

#### Acoustical Conditions Speech privacy Special acoustical treatment neede Musical performance/singing/ cheering expected Electrical/Lighting Specialized power requirements Power outlet minimum number Specialty outlets/dedicated circuit Lighting requirements: • Automatic lighting controls Direct/indirect lighting Multi-level switched • Emergency lighting Other electrical/lighting equipment or requirements: . **Communications/IT Requireme** Communication outlet (2-port) -sta Communication outlet (4-port) -tea Communication outlet (1-port per Yes in #4,5 computer station) CATV outlet (coax + Cat 6) Wireless access point outlet (2-por Outlet (1-port) for future interactive whiteboard Clock Other communications/IT equipme Yes in #5 or requirements: . Safety/Security Nonmaster locks Intrusion alarm system Access control Other safety/security equipment or requirements: ٠

# MC-7 Grades 9 thru 12 Media Center - 201 to 400 Students Space Criteria

"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10 #	11 #	12
# refers to Space Description designation	on		Qty	1											
✓ indicates approved feature, system, of				1										_	
· · · · · · · · · · · · · · · · · · ·				1											_
Acoustical Conditions		TV with wall mounting bracket G	Qty	1											
Speech privacy	Yes in #3,8	Casework:													
Special acoustical treatment needed	Yes	<ul> <li>Plastic laminate base cabinets</li> </ul>						Yes							
Musical performance/singing/		<ul> <li>Plastic laminate countertops</li> </ul>					Yes				_	_			
cheering expected	No	<ul> <li>Plastic laminate upper cabinets</li> </ul>					Yes	Yes							
		<ul> <li>Tall wardrobe cabinet</li> </ul>				Yes					_	_			
Electrical/Lighting		<ul> <li>Circulation desk</li> </ul>							Yes						
Specialized power requirements	Yes	Bookcase		Yes											
Power outlet minimum number	Yes	Locks				Yes									
Specialty outlets/dedicated circuit	Yes	<ul> <li>16" deep adjustable shelving</li> </ul>			Yes										
Lighting requirements:		Other furnishings/millwork/													
<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1,3,6	equipment or requirements:													
<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1,6	<ul> <li>Acoustical wall panels</li> </ul>		Yes											
<ul> <li>Multi-level switched</li> </ul>	Yes in #1	<ul> <li>Soap dispenser</li> </ul>						Yes							
<ul> <li>Emergency lighting</li> </ul>	Yes	<ul> <li>Paper towel dispenser</li> </ul>						Yes							
Other electrical/lighting equipment															
or requirements:					_										
•		Interior Finishes		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10 #	11 #	12
		Walls:		,	,	,	,	,	,	,	,				
Communications/IT Requirements		CMU - painted		✓	~	~	✓	~	<u> </u>	<u> </u>	$\frac{\checkmark}{\checkmark}$				
Communication outlet (2-port) -standard		CMU - ground face, integral color		✓					~	~	~				_
Communication outlet (4-port) -teacher	Yes in #3	<ul> <li>Standard gypsum board - painted</li> </ul>		,	,	,	,	,	,	,	,				
Communication outlet (1-port per		or vinyl covered		~	~	~	~	~	~	~	~				
computer station)	Yes in #7	• Other													_
CATV outlet (coax + Cat 6)	Yes in #1,4	Base:		,		,	,		,	,	,				
Wireless access point outlet (2-port)	Req. coverage	Resilient rubber		~	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>				_
Outlet (1-port) for future interactive	N	• VCT			~	<u> </u>	~	~		~					
whiteboard	Yes in #1	• Other													_
Clock	Yes in #6	Floors:		,		,	,		,	,	,				
Other communications/IT equipment		• Carpet		~	<u> </u>	<u> </u>	~	~	~	~	~				
or requirements:		• Other													
•		Ceilings:		4.01	01	01	01	01	4.01	4.01	4.01				
		Minimum ceiling height		10	9	9	9	9.	10	10	10				
Safety/Security		Exposed to structure - painted		v	<u>~</u>	<u>~</u>	<u>~</u>	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{}$	<u>~</u>				
Nonmaster locks		Gypsum board - painted		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>~</u>	<u>~</u>	<u>~</u>	<u> </u>				
Intrusion alarm system Access control		<ul> <li>Lay-in acoustical</li> <li>Other</li> </ul>		•	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>				
												—			_
Other safety/security equipment		Windows:	ra d	Vaa							Vee				
or requirements:		Windows/daylight into space requir	lea								Yes				
•		Operable window required		Yes		Yes			Vac	Vee	Yes Yes				
		Interior borrowed light window				res			Yes	Yes	res				
		Doors: • Wood		Vaa	Vaa	Vee	Vaa	Vaa		Vee	Vaa				
					Yes	res	res	res		res	Yes	—			_
		Hollow metal (exterior)		Yes Yes		Yes		Yes		Vac	Yes				_
		With glazed lites     Exterior deer required (emergeney)		162		162		res		res	res	—			_
		<ul> <li>Exterior door required (emergency egress only)</li> </ul>		Voc											
		• Other		Yes											

Other

A11060

### **Chapter A11: Media Centers**

#### MC-7 Grades 9 thru 12 Media Center - 201 to 400 Students Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide emergency lighting for egress path.
Room identification sign	Yes	6. Provide emergency light near door(s).
Room number sign	Yes	7. Provide exterior emergency lighting.
Other signage requirements:		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.
Fire Protection System		11. Provide a receptacle mounted at +7'-0" for television.
Sprinklers:		12. Provide power for overhead projector.
<ul> <li>Semi-recessed</li> </ul>	Yes	13. Provide power for videoconferencing if requested by the BIA.
Other fire protection equipment		Fire Protection:
or requirements:		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
•		
		Key Space Design and Relationship Concepts
Program Activities		1. Near academic center of the school
1. The media center is an information la	aboratory that	2. Access to classrooms
serves the instructional needs of the	entire school.	3. Easy access to public parking
2. Provides students with access to info	ormation	
technology and multimedia materials	in an area that	Spatial Relationship Diagram
allows for individual, small group, and	d classroom	Ore dee 0.4km 40 Medie Oemten - 004 to 400 Students

#### Grades 9 thru 12 Media Center – 201 to 400 Students



**Opposite of main lobby** 

research. Space should encourage the development of positive attitudes toward reading and learning.

## MC-8 Grades 9 thru 12 Media Center – 400 Plus Students



 Loose furnishings shown represent one of many possible arrangements.
 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.

	120 5.1.
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.

- 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+	"Yes" and "No" apply to all spaces # refers to Space Description designati	on	Fixed Furnishings/Equipment Whiteboard (8'-0") Qth	<b>#1</b> y 1	#2	#3	#4	#5	#6	#7	#8 #9	9 #10	#11 #12
Space Description	For square footages, see space template	<ul> <li>✓ indicates approved feature, system,</li> </ul>			y 1	_	_	_	_	_				
1. Reading, browsing, & stack area 2. Professional publications		Acoustical Conditions Speech privacy	Yes in #3,8		y <u>1</u> y <u>1</u>	_	_	_	_		_			
3. Librarian office		Special acoustical treatment needed	Yes	Plastic laminate base cabinets				Yes	Yes					
4. Audio/visual		Musical performance/singing/		Plastic laminate countertops				Yes						
5. Storage/workroom		cheering expected	No	Plastic laminate upper cabinets				Yes	Yes					
6. Circulation desk		cheening expected		Tall wardrobe cabinet			Yes							
7. Student project room		Electrical/Lighting		Circulation desk						Yes				
8. Conference room		Specialized power requirements	Yes	Bookcase	Yes	—								
		Power outlet minimum number	Yes	• Locks		—	Yes							
		Specialty outlets/dedicated circuit	Yes	<ul> <li>16" deep adjustable shelving</li> </ul>		Yes								
		Lighting requirements:		Other furnishings/millwork/										
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1,3,6	equipment or requirements:										
		<ul> <li>Direct/indirect lighting</li> </ul>	Yes in #1,6	<ul> <li>Acoustical wall panels</li> </ul>	Yes									
		Multi-level switched	Yes in #1	Soap dispenser					Yes					
		<ul> <li>Emergency lighting</li> </ul>	Yes	Paper towel dispenser					Yes					
Daily Occupancy Use		Other electrical/lighting equipment												
9.5 hrs. (7:30 a.m5:00 p.m.)		or requirements:												
five days a week	Yes	•		Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8 #9	9 #10	#11 #12
After-hours use	Yes			Walls:										
		<b>Communications/IT Requirements</b>		<ul> <li>CMU - painted</li> </ul>	~	✓	✓	$\checkmark$	✓	✓	✓	<u>✓</u> —		
<b>Environmental Conditions</b>		Communication outlet (2-port) -standar	d Yes in #4-8	<ul> <li>CMU - ground face, integral color</li> </ul>	$\checkmark$	_		_		✓	✓	✓		
Air pressure (balanced is assumed	d):	Communication outlet (4-port) -teacher	Yes in #3	<ul> <li>Standard gypsum board - painted</li> </ul>										
Negative	Yes in #4,5	Communication outlet (1-port per		or vinyl covered	✓	✓	✓	$\checkmark$	✓	✓	✓	✓		
Other HVAC equipment		computer station)	Yes in #7	Other										
or requirements:		CATV outlet (coax + Cat 6)	Yes in #1,4	Base:										
•		Wireless access point outlet (2-port)	Req. coverage	<ul> <li>Resilient rubber</li> </ul>	$\checkmark$	√	$\frac{\checkmark}{\checkmark}$	$\checkmark$		✓		✓		
		Outlet (1-port) for future interactive		• VCT		✓	✓	✓	✓		✓			
Plumbing		whiteboard	Yes in #1	Other										
Domestic water:		Clock	Yes in #6	Floors:										
• Hot	Yes in #5	Other communications/IT equipment		• Carpet	$\checkmark$	✓	✓	✓	✓	✓	✓	~		·
• Cold	Yes in #5	or requirements:		• Other										
Sink(s): specialty type: SS large,		•		Ceilings:		~	~							
deep, single	Yes in #5			Minimum ceiling height	10'	<u> </u>	<u> </u>	9'	9'	10'	10'	10'		·
Other plumbing equipment		Safety/Security		Exposed to structure - painted	<u> </u>	<u>~</u>	<u></u>			· · ·	-	<u>√</u> –		·
or requirements:		Nonmaster locks Intrusion alarm system		<ul> <li>Gypsum board - painted</li> <li>Lay-in acoustical</li> </ul>	<u> </u>	<u> </u>	<u></u>	<u>_</u>	<u>~</u>	<u> </u>	<u>~</u> -	<u>_</u>		
•		Access control		Cay-in acousticat     Other	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>•</u>		
		Other safety/security equipment		• Other Windows:										
		or requirements:		<ul> <li>Windows/daylight into space required</li> </ul>	d Vas							Yes		
		or requirements.		Operable window required	Yes							Yes		
		-		<ul> <li>Interior borrowed light window</li> </ul>	169		Yes			Yes				
				Doors:			163			103	103	100		———
				• Wood	Yes	Yes	Yes	Yes	Yes		Yes	Yes		
				<ul> <li>Hollow metal (exterior)</li> </ul>	Yes	103	103	103	103		100	100		
				With glazed lites	Yes	—	Yes	—	Yes		Yes	Yes		
				Exterior door required (emergency)										
				egress only)	Yes									
				• Other										

### A11070-3

### MC-8 Grades 9 thru 12 Media Center – 400 Plus Students Space Criteria

### **Chapter A11: Media Centers**

### MC-8 Grades 9 thru 12 Media Center - 400 Plus Students Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
		4. Provide direct/indirect lighting system.
Signage Requirements		5. Provide emergency lighting for egress path.
Room identification sign	Yes	6. Provide emergency light near door(s).
Room number sign	Yes	7. Provide exterior emergency lighting.
Other signage requirements:		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.
Fire Protection System		11. Provide a receptacle mounted at +7'-0" for television.
Sprinklers:		12. Provide power for overhead projector.
<ul> <li>Semi-recessed</li> </ul>	Yes	13. Provide power for videoconferencing if requested by the BIA.
Other fire protection equipment		Fire Protection:
or requirements:		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
•		
		Key Space Design and Relationship Concepts
Program Activities		1. Near academic center of the school
1. The media center is an information laboratory that		2. Access to classrooms
serves the instructional needs of the entire school.		3. Easy access to public parking
2. Provides students with access to in	formation	
technology and multimedia materials in an area that		Spatial Relationship Diagram
allows for individual, small group, and classroom		

#### Grades 9 thru 12 Media Center – 400 Plus Students



**Opposite of main lobby** 

research. Space should encourage the development of positive attitudes toward reading and learning.
# **PE-1 Elementary School Multi-Purpose Room**



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:	
SIZE:	

N/A 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

1

#### 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

Daily Occupancy Use

five days a week

After-hours use

Negative

neighbors

9.5 hrs. (7:30 a.m.-5:00 p.m.)

**Environmental Conditions** 

Special zoning: isolate air from

Space has own exhaust mode

• CO<sub>2</sub> demand ventilation control

Other HVAC equipment

or requirements:

Air pressure (balanced is assumed):

5. PE storage

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-
-
-
-
-

- Other electrical/lighting equipment
- or requirements:

.

# **Communications/IT Requirements** Communication outlet (2-port) -standard

Yes in #2

Yes in #2

Yes in #1

Req. coverage

Yes in #1

Yes in #1

Yes in #1

CATV outlet (coax + Cat 6) Sound reinforcement outlet Wireless access point outlet (2-port) Mobile projection cart outlet Speaker - wall mounted Clock Other communications/IT equipment

or requirements:

# Yes

Yes

Yes

Yes

Yes

Yes in #1

Yes in #1

Yes in #1

Yes in #3

.

#### Plumbing

- Domestic water:
- Hot
- Cold
- Floor drain
- Drinking fountain
- Bubbler
- Handicapped shower w/controls Other plumbing equipment
- or requirements:

	Safety/Se
	Nonmaste
Yes in #3	Intrusion a
Yes in #1,3	Access co
Yes in #3	Other safe

ontrol Other safety/security equipment

Other salety/security	ΞY
or requirements:	
•	

curity

# alarm system

or requirements:	
•	

# er locks

- Wood

# PE-1 Elementary School Multi-Purpose Room Space Criteria

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:													
<ul> <li>16" deep adjustable shelving</li> </ul>						Yes							
Other furnishings/millwork/ equipment or requirements:													
<ul> <li>Wall padding</li> </ul>		Yes											
<ul> <li>Basketball goals</li> </ul>		Yes											
<ul> <li>Scoreboard</li> </ul>		Yes											_
<ul> <li>Volleyball sleeves and standards</li> </ul>	;	Yes											
Lockers			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) 9' 20' 9' • Exposed to structure - painted  $\checkmark$ ~ · Lay-in acoustical  $\checkmark$ • Other Windows: • Windows/daylight into space (only if diffused daylight) • Interior borrowed light window Yes Doors: Yes Yes Yes Yes Yes Hollow metal (exterior) Yes Yes Yes With glazed lites • Exterior door required Yes

• Other

### A12000

# A12000 PE-1 Elementary School Multi-Purpose Room Space Criteria

Structural Requirements		Notes
Special suspended loading req.:		Electrical:
<ul> <li>Basketball goals</li> </ul>	Yes	1. Provide wall switch type occupancy sensor.
Acoustical req. for structural system:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Consider acoustical sound block</li> </ul>		3. Provide multi-level light switching.
for walls (CMU)	Yes	4. Provide emergency lighting for egress path.
<ul> <li>Consider acoustic roof deck</li> </ul>	Yes	5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other structural requirements:		Fire Protection:
•		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in gymnasiums and storage areas.
-		Plumbing:
Signage Requirements		1. Provide either a drinking fountain or a bubbler, depending on site location requirements.
Room identification sign	Yes	
Room number sign	Yes	Key Space Design and Relationship Concepts
Occupancy limit	Yes	1. Direct access to outdoors and playfields
Other signage requirements:		2. Adjacent to public parking
•		

#### Spatial Relationship Diagram

**Elementary School Multi-Purpose Room** Yes in #2,3

 Semi-recessed Protection

Fire Protection System

Yes in #1,4,5

Other fire protection equipment or requirements:

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Sprinklers:

Program Activities 1. Student exercise, sports activities, intramural games,

- and physical fitness
- 2. Student assemblies and performances
- 3. Community use



GYMNASIUM ENTRY

# PE-2 Elementary or Middle School Mini Gymnasium



#### Notes:

<ol> <li>Storage and staff areas may be relocated to conform to building design.</li> <li>Provide public restrooms in close proximity to gym.</li> <li>Provide after-hours lobby entry to gym.</li> <li>Exterior door locations may be modified.</li> </ol>					
CAPACITY: SIZE:	N/A 4,680 s.f. (52' x 90') not incl bleacher seating. See <i>BIE Sp.</i> <i>Criteria Handbook</i> for bleach requirements.	ace			
ANCILLARY SPACES:	PE Staff Office (2 required for grades 7–9) PE Staff Toilet (2 required for grades 7–9) Stage Storage PE Storage	120 s.f. 100 s.f. 100 s.f. 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

### A12010

# **Chapter A12: Physical Education**

DIA Colored Essilition	Mini Ormana		
<b>BIA School Facilities</b>	Mini Gymnasium	"Yes" and "No" apply to all spaces	_
		# refers to Space Description designatio	
	For square footages,	✓ indicates approved feature, system, or	r material
	see space template		
1. Elementary or middle school mini	gymnasium	Acoustical Conditions	
2. PE staff office		Speech privacy	No
<ol><li>PE staff restroom and shower</li></ol>		Special acoustical treatment needed	Yes
<ol> <li>Stage storage</li> </ol>		Musical performance/singing/	
5. PE storage		cheering expected	Yes
		Electrical/Lighting	
		Power outlet minimum number	Yes
		Lighting requirements:	103
		Automatic lighting controls	Yes in #
		Multi-level switched	Yes in #
		Emergency lighting	Yes
			165
		Other electrical/lighting equipment	
		or requirements:	
Daily Occupancy Use		•	
9.5 hrs. (7:30 a.m5:00 p.m.)		Communications/IT Requirements	i i i i i i i i i i i i i i i i i i i
five days a week	Yes	Communication outlet (2-port) -standard	Yes in #
After-hours use	Yes	CATV outlet (coax + Cat 6)	Yes in #
		Sound reinforcement outlet	Yes in #
Environmental Conditions		Wireless access point outlet (2-port)	Req. cover
Air pressure (balanced is assumed):		Mobile projection cart outlet	Yes in #
Negative	Yes	Speaker - wall mounted	Yes in #
Special zoning: isolate air from	100	Clock	Yes in #
neighbors	Yes	Other communications/IT equipment	103 11 1
Space has own exhaust mode	Yes in #1	or requirements:	
Other HVAC equipment	163111#1	Pay phone (1-port)	Yes in #
or requirements:			165 111 #
	Vee	•	
<ul> <li>CO<sub>2</sub> demand ventilation control</li> </ul>	Yes		
Plumbing		Safety/Security	
Domestic water:		Nonmaster locks	
Hot	Yes in #3	Intrusion alarm system	
Cold	Yes in #1,3	Access control	
Floor drain	Yes in #3	Other safety/security equipment	
Drinking fountain	Yes in #1	or requirements:	
Bubbler	Yes in #1	•	
Handicapped shower w/controls	Yes in #3		
Other plumbing equipment			
or requirements:			
e. requiremente.			

.

		Other furnishings
coustical Conditions		equipment or r
peech privacy	No	<ul> <li>Bleachers</li> </ul>
pecial acoustical treatment needed	Yes	<ul> <li>Center divide</li> </ul>
lusical performance/singing/		<ul> <li>Wall padding</li> </ul>
cheering expected	Yes	<ul> <li>Basketball go</li> </ul>
		<ul> <li>Basketball go</li> </ul>
lectrical/Lighting		<ul> <li>Scoreboard</li> </ul>
ower outlet minimum number	Yes	<ul> <li>Volleyball sle</li> </ul>
ighting requirements:		•
Automatic lighting controls	Yes in #1	
Multi-level switched	Yes in #1	
Emergency lighting	Yes	
Other electrical/lighting equipment		
or requirements:		
•		Interior Finishes
emmunications//T Demuiremente		Walls:
communications/IT Requirements	Vas in #0	
communication outlet (2-port) -standard		CMU - painte
ATV outlet (coax + Cat 6)	Yes in #2	CMU - ground
ound reinforcement outlet	Yes in #1	• Other
Vireless access point outlet (2-port)	Req. coverage	Base:
lobile projection cart outlet	Yes in #1	<ul> <li>Resilient rubb</li> </ul>
peaker - wall mounted	Yes in #1	<ul> <li>Other</li> </ul>
Clock	Yes in #1	Floors:
Other communications/IT equipment		<ul> <li>VCT</li> </ul>
or requirements:		<ul> <li>Wood</li> </ul>
<ul> <li>Pay phone (1-port)</li> </ul>	Yes in #2	<ul> <li>Fluid applied</li> </ul>
•		<ul> <li>Other</li> </ul>
		Ceilings:
		<ul> <li>Minimum ceil</li> </ul>
		<ul> <li>Exposed to st</li> </ul>
afety/Security		<ul> <li>Lay-in acoust</li> </ul>
lonmaster locks		<ul> <li>Other</li> </ul>
ntrusion alarm system		Windows:
ccess control		<ul> <li>Windows/day</li> </ul>
Other safety/security equipment		(only if diffus
or requirements:		<ul> <li>Interior borroy</li> </ul>
•		Doors:
-		Wood
		<ul> <li>Hollow metal</li> </ul>
		<ul> <li>With glazed li</li> </ul>
		<ul> <li>Exterior door</li> </ul>

# PE-2 Elementary or Middle School Mini Gymnasium Space Criteria

Fixed Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Casework:												
<ul> <li>16" deep adjustable shelving</li> </ul>					Yes							
Other furnishings/millwork/												
equipment or requirements:												
Bleachers	Yes											
<ul> <li>Center divider curtain</li> </ul>	Yes											
<ul> <li>Wall padding</li> </ul>	Yes											
Basketball goals (main court)	Yes											
Basketball goals (side court)	Yes					-				-		
Scoreboard	Yes											
<ul> <li>Volleyball sleeves and standards</li> </ul>	Yes											
•												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
<ul> <li>CMU - painted</li> </ul>	✓	✓	✓	✓	✓							
<ul> <li>CMU - ground face, integral color</li> </ul>	✓		_							_		
Other			_									
Base:												
<ul> <li>Resilient rubber</li> </ul>	✓	✓	✓	✓	✓							
Other												
Floors:												
• VCT		✓	✓	✓	✓					_		
• Wood	✓											
<ul> <li>Fluid applied flooring system</li> </ul>		_∕	$\checkmark$									
Other												
Ceilings:												
<ul> <li>Minimum ceiling height (clear height)</li> </ul>	22'	9'	9'							_		
<ul> <li>Exposed to structure - painted</li> </ul>	✓	<u> </u>	✓	✓	_∕							
<ul> <li>Lay-in acoustical</li> </ul>		✓	$\checkmark$									
Other												
Windows:												
<ul> <li>Windows/daylight into space</li> </ul>												
(only if diffused daylight)	✓											
<ul> <li>Interior borrowed light window</li> </ul>		Yes										
Doors:												
• Wood	Yes	Yes	Yes	Yes	Yes							
<ul> <li>Hollow metal (exterior)</li> </ul>	Yes											
<ul> <li>With glazed lites</li> </ul>	Yes	Yes	_									
<ul> <li>Exterior door required</li> </ul>	Yes											
<ul> <li>Overhead coiling grille</li> </ul>												
at concessions	Yes											
Other												

## A12010 PE-2 Elementary or Middle School Mini Gymnasium Space Criteria

Structural Requirements		Notes
Special suspended loading req.:		Electrical:
<ul> <li>Basketball goals</li> </ul>	Yes	1. Provide wall switch type occupancy sensor.
Acoustical req. for structural system:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Consider acoustical sound block</li> </ul>		3. Provide multi-level light switching.
for walls (CMU)	Yes	4. Provide emergency lighting for egress path.
<ul> <li>Consider acoustic roof deck</li> </ul>	Yes	5. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Other structural requirements:		Fire Protection:
•		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in gymnasiums and storage areas.
-		Plumbing:
Signage Requirements		1. Provide either a drinking fountain or a bubbler, depending on site location requirements.
Room identification sign	Yes	
Room number sign	Yes	Key Space Design and Relationship Concepts
Occupancy limit	Yes	1. Direct access to outdoors and playfields
Other signage requirements:		2. Adjacent to public parking
•		

#### Spatial Relationship Diagram

**Elementary or Middle School Mini Gymnasium** 

 Semi-recessed Protection Other fire protection equipment

Fire Protection System

Sprinklers:

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Yes in #2,3 Yes in #1,4,5

or requirements:

- Program Activities 1. Student exercise, sports activities, intramural games,
- and physical fitness
- 2. Student assemblies and performances
- 3. Community use



GYMNASIUM ENTRY

# PE-3 High School Gymnasium – Fewer Than 201 Students



#### 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: SIZE:	N/A 7,280 s.f. (70' x 104') t bleacher seating. See <i>B</i> <i>Criteria Handbook</i> for requirements.	EIE Space
ANCILLARY SPACES:	Stage Storage PE Storage	100 s.f. 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

### A12020

PE-3 High School Gymnasium – Fewer Than 201 Students Space Criteria

# **Chapter A12: Physical Education**

<b>BIA School Facilities</b>	HS Gymnasium	"Yes" and "No" apply to all spaces	Fixed Furnishings/	Equipment #1 #2	#3 #4 #5 #6 #7	#8 #9 #10 #11 #12
	<b>F</b>	# refers to Space Description designation	Casework:	hla ah shira	¥	
Space Description	For square footages,	✓ indicates approved feature, system, or mate			Yes	
1 Lligh aphael gumphaeium	see space template	Assurational Constitutions	Other furnishings/mi			
1. High school gymnasium		Acoustical Conditions	equipment or requ			
<ol> <li>Stage storage</li> <li>PE storage</li> </ol>			No • Bleachers Yes • Center divider cu	rtain Yes		<u> </u>
3. PE storage				rtain Yes Yes		
		Musical performance/singing/	Wall padding			
		cheering expected Ye	s in #1 • Basketball goals			
			Basketball goals			
		Electrical/Lighting	Scoreboard	Yes		
			Yes     • Scorer's table	Yes		
			Yes     • Volleyball sleeve	s and standards Yes		
		Lighting requirements:	•	<u> </u>		
		0 0	s in #1			
			s in #1			
			Yes			
		Other electrical/lighting equipment				
		or requirements:				
Daily Occupancy Use		•	Interior Finishes	#1 #2	#3 #4 #5 #6 #7	#8 #9 #10 #11 #12
9.5 hrs. (7:30 a.m5:00 p.m.)			Walls:			
five days a week	Yes	Communications/IT Requirements	<ul> <li>CMU - painted</li> </ul>		$\checkmark$	
After-hours use	Yes	Communication outlet (2-port) -standard	Yes • CMU - ground fa	ce, integral color		
		Sound reinforcement outlet Ye	s in #1 • Other			
<b>Environmental Conditions</b>		Wireless access point outlet (2-port) Reg. of	coverage Base:			
Air pressure (balanced is assumed	):	Mobile projection cart outlet Ye	s in #1 • Resilient rubber	$\checkmark$	$\checkmark$	
Negative	Yes	Speaker - wall mounted Ye	s in #1 • Other			
Special zoning: isolate air from		Clock Ye	s in #1 Floors:			
neighbors	Yes	Other communications/IT equipment	• VCT	$\checkmark$	$\checkmark$	
Space has own exhaust mode	Yes in #1	or requirements:	<ul> <li>Wood</li> </ul>	✓	<u> </u>	
Other HVAC equipment			Yes • Other			
or requirements:		•	Ceilings:			
<ul> <li>CO<sub>2</sub> demand ventilation control</li> </ul>	Yes			height (clear height) 25'		
•			<ul> <li>Exposed to struc</li> </ul>		- <u>-</u>	
-			• Other			
Plumbing		Safety/Security	Windows:			
Domestic water:		Nonmaster locks	Windows/dayligh	t into space		
• Cold	Yes in #1,3	Intrusion alarm system	(only if diffused			
Drinking fountain	Yes in #1	Access control	Doors:			
Bubbler	Yes in #1	Other safety/security equipment	• Wood	Yes Ves	Yes	
Other plumbing equipment	163 111 # 1	or requirements:	<ul> <li>Hollow metal (ex</li> </ul>	terior) Yes	<u>Yes</u>	
or requirements:			With glazed lites	Yes		
Hose bibb	Yes in #3	•	Exterior door reg			
	162 111 #3		•			
•			Other	<u> </u>		

# PE-3 High School Gymnasium – Fewer Than 201 Students Space Criteria

Structural Requirements		Notes
Special suspended loading req.:		Electrical:
<ul> <li>Basketball goals</li> </ul>	Yes	1. Provide wall switch type occupancy sensor.
Acoustical req. for structural system:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Consider acoustical sound block</li> </ul>		3. Provide multi-level light switching.
for walls (CMU)	Yes	4. Provide emergency lighting for egress path.
<ul> <li>Consider acoustic roof deck</li> </ul>	Yes	Plumbing:
Other structural requirements:		1. Provide either a drinking fountain or a bubbler, depending on site location requirements.
•		······································
Signage Requirements		Key Space Design and Relationship Concepts
Room identification sign	Yes	1. Direct access to outdoors and playfields
Room number sign	Yes	2. Adjacent to public parking
Occupancy limit	Yes	3. Adjacent to locker rooms
Other signage requirements:		
•		
Fire Protection System		Spatial Relationship Diagram
Sprinklers:		
Protection	Yes	High School Gymnasium – Fewer Than 201 Students
Other fire protection equipment		
e and me protocash oquipmont		



or requirements:

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- Program Activities 1. Physical education classes and interscholastic
- and intramural athletic competition.
- 2. Student assemblies and performances
- 3. Community use

# PE-5 AUXILARY P.E. ROOM (IF REQU) GYNA GHORMGE STAGE PEGOR7 LOOMER ROOM (FRESD) PE-1 TO 4 GYNNRSIUM MUSIC PROB ≯ € PUBLIC TOLLETS (CYM) LOCENY P.E. OFFICE PE-8 CONCE

# Gymnasium Entry

A12020

# PE-4 High School Gymnasium – 201 to 749 Students



**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: SIZE:

N/A
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

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### A12030

# **Chapter A12: Physical Education**

BIA School Facilities HS Gy	mnasium - 201-749	"Yes" and "No" apply to all spaces # refers to Space Description designation					
Space Description	For square footages, see space template	✓ indicates approved feature, system, c					
1. High school gymnasium	ooo opuoo tompiato	Acoustical Conditions					
2. Fixed stage		Speech privacy	No				
3. PE storage		Special acoustical treatment needed	Yes				
4. Stage storage		Musical performance/singing/					
1. Oldgo ololdgo		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				
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1				
		<ul> <li>Emergency lighting</li> </ul>	Yes in #1				
		Other electrical/lighting equipment					
		or requirements:					
Daily Occupancy Use		<ul> <li>Theatrical lighting</li> </ul>	Yes in #2				
9.5 hrs. (7:30 a.m5:00 p.m.)		•					
five days a week	Yes						
After-hours use	Yes	<b>Communications/IT Requirements</b>					
		Communication outlet (2-port) -standard	Yes				
Environmental Conditions		Sound reinforcement outlet	Yes in #1				
Air pressure (balanced is assumed)	:	Wireless access point outlet (2-port)	Req. coverage				
Negative	Yes	Mobile projection cart outlet	Yes in #1				
Special zoning: isolate air from		Speaker - wall mounted	Yes in #1				
neighbors	Yes	Clock	Yes in #1				
Space has own exhaust mode	Yes in #1	Other communications/IT equipment					
Other HVAC equipment		or requirements:					
or requirements:		<ul> <li>Pay phone (1-port)</li> </ul>	Yes				
<ul> <li>CO<sub>2</sub> demand ventilation control</li> </ul>	Yes	•					
		0.4.4.10					
Plumbing		Safety/Security					
Domestic water:	Vac in #1.0	Nonmaster locks					
• Cold	Yes in #1,3	Intrusion alarm system					
Drinking fountain	Yes in #1	Access control					
Bubbler	Yes in #1	Other safety/security equipment					
Other plumbing equipment		or requirements:					
or requirements:	N 1 10	•					
Hose bibb	Yes in #3						
•							

# PE-4 High School Gymnasium – 201 to 749 Students Space Criteria

d Furnishings/Equipment	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
ework:												
6" deep adjustable shelving			Yes									
r furnishings/millwork/												
uipment or requirements:												
perable partition at stage		Yes										
leachers	Yes											
enter divider curtain	Yes											
/all padding	Yes											
asketball goals (main court)	Yes											
asketball goals (side court)	Yes											
coreboard	Yes											
corer's table	Yes											
olleyball sleeves and standards	Yes											
tage curtain		Yes										
<u> </u>												

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Walls:												
<ul> <li>CMU - painted</li> </ul>	✓	✓	✓	✓								
<ul> <li>CMU - ground face, integral color</li> </ul>	$\checkmark$											
Other	_									_		
Base:												
<ul> <li>Resilient rubber</li> </ul>	✓	✓	✓	✓								
Other	_									_		
Floors:												
• Wood	✓	✓	✓	✓						_		
• VCT			√	✓								
Other												
Ceilings:												
<ul> <li>Minimum ceiling height (clear height)</li> </ul>	25'	25'								_		
<ul> <li>Exposed to structure - painted</li> </ul>	✓	✓	✓	✓								
Other	_									_		
Windows:												
<ul> <li>Windows/daylight into space</li> </ul>												
(only if diffused daylight)	✓											
Doors:												
• Wood	Yes		Yes	Yes								
<ul> <li>Hollow metal (exterior)</li> </ul>	Yes											
<ul> <li>With glazed lites</li> </ul>	Yes											
<ul> <li>Exterior door required</li> </ul>	Yes											
Other												

# A12030 PE-4 High School Gymnasium – 201 to 749 Students Space Criteria

Structural Requirements		Notes
Special suspended loading req.:		Electrical:
<ul> <li>Basketball goals</li> </ul>	Yes	1. Provide wall switch type occupancy sensor.
Acoustical req. for structural system:		2. Provide automatic shut-off via building management system time clock.
<ul> <li>Consider acoustical sound block</li> </ul>		3. Provide multi-level light switching.
for walls (CMU)	Yes	4. Provide emergency lighting for egress path.
<ul> <li>Consider acoustic roof deck</li> </ul>	Yes	Plumbing:
Other structural requirements:		1. Provide either a drinking fountain or a bubbler, depending on site location requirements.
•		
Signage Requirements		Key Space Design and Relationship Concepts
Room identification sign	Yes	1. Direct access to outdoors and playfields
Room number sign	Yes	2. Adjacent to public parking
Occupancy limit	Yes	3. Adjacent to locker rooms
Other signage requirements:		
•		-
Fire Protection System		Spatial Relationship Diagram
Sprinklers:		
Protection	Yes	High School Gymnasium – 201 to 749 Students
Other fire protection equipment	165	<u>-</u>
or requirements:		
•		$\sim$
•		-
Program Activities		
1. Physical education classes and inters	scholastic	1
and intramural athletic competition.	501010310	E PE-5 AUQUMRY
and intramular adhetic competition.		

- Student assemblies and performances
- 3. Community use



# **PE-5** Auxiliary Physical Education Room



#### 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

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BIA School Facilities Space Description	Auxiliary Phys. Ed. Room For square footages,	"Yes" and "No" apply to all spaces # refers to Space Description designat ✓ indicates approved feature, system.	Fixed Furnishings/Equ Whiteboard (8'-0") Tackboard (4'-0")			
Space Description	see space template	<ul> <li>Indicates approved reature, system,</li> </ul>	ormaterial	Casework:		
1. Auxillary physical educatio		Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected	No Yes Yes	Other     Other furnishings/millwo     equipment or requiren     Mat hoist     Wall padding		
		Electrical/Lighting Lighting requirements: • Automatic lighting controls • Multi-level switched • Emergency lighting Other electrical/lighting equipment or requirements: •	Yes Yes Yes			
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m five days a week After-hours use Environmental Conditions Air pressure (balanced is ass • Negative Space has own exhaust mod Other HVAC equipment or requirements: •	Yes Yes sumed): Yes	Communications/IT Requirements Sound reinforcement outlet Wireless access point outlet (2-port) Mobile projection cart outlet Speaker - wall mounted Clock Other communications/IT equipment or requirements:	Yes Req. coverage Yes Yes Yes	Interior Finishes Walls: • CMU - painted • CMU - ground face, i • Other Base: • Resilient rubber • Other Floors: • VCT • Wood • Fluid applied flooring		
Plumbing Other plumbing equipment or requirements: •		Safety/Security Nonmaster locks Intrusion alarm system Access control Other safety/security equipment or requirements:		<ul> <li>Other</li> <li>Ceilings:</li> <li>Minimum ceiling heig</li> <li>Exposed to structure</li> <li>Other</li> <li>Windows:</li> <li>Windows/daylight int (only if diffused day</li> <li>Doors:</li> <li>Wood</li> </ul>		

# A12040 PE-5 Auxiliary Physical Education Room Space Criteria

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											
<ul> <li>Wall padding</li> </ul>		Yes											
•													

Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#
Walls:												
<ul> <li>CMU - painted</li> </ul>	✓											
<ul> <li>CMU - ground face, integral color</li> </ul>	$\checkmark$											
Other												_
Base:												
<ul> <li>Resilient rubber</li> </ul>	$\checkmark$											
Other												
Floors:												
• VCT	$\checkmark$											
• Wood	$\checkmark$											
<ul> <li>Fluid applied flooring system</li> </ul>	$\checkmark$											
• Other												
Ceilings:												
Minimum ceiling height (clear height)	20'											
Exposed to structure - painted	$\checkmark$											
Other												
Windows:												
<ul> <li>Windows/daylight into space</li> </ul>												
(only if diffused daylight)	$\checkmark$											
Doors:												
• Wood	Yes											
<ul> <li>With glazed lites</li> </ul>	Yes											
Other		·	·							· —	-	

# A12040 PE-5 Auxiliary Physical Education Room Space Criteria

Structural Requirements Special suspended loading req.: Basketball goals Acoustical req. for structural system: Consider acoustical sound block for walls (CMU) Consider acoustic roof deck Other structural requirements:	Yes Yes Yes	Notes <u>Electrical:</u> 1. Provide automatic shut-off via building management system time clock. 2. Provide multi-level light switching. 3. Provide emergency light near door(s).
Signage Requirements Room identification sign Room number sign Occupancy limit Other signage requirements:	Yes Yes Yes	Key Space Design and Relationship Concepts         1. Near gymnasium         2. Near locker rooms
Fire Protection System Sprinklers: • Protection Other fire protection equipment or requirements: •	Yes	Spatial Relationship Diagram Auxiliary Physical Education Room
Program Activities 1. Wrestling in physical education classes 2. Dance 3. Aerobics 4. Gymnastics		PC-5 AASUBARY PERFORM (IF RECID.) (IF RECID.) (IF RECID.) (IF RECID.)



GYMNASIUM ENTRY **PE-6 Locker Rooms** 



BIA School Facilities Space Templates March 30, 2007

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#### 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	"Yes" and "No" apply to all spaces	Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
	# refers to Space Description designation	Whiteboard (3'-0")	Qty1
Space Description For square footages		Tackboard (4'-0")	Qty <u>1</u>
see space template 1. Locker area (male and female)	Acoustical Conditions	Casework:	Vac
2. Shower/dressing area (male and female)	Speech privacy No	<ul> <li>Solid plastic countertops</li> <li>Other</li> </ul>	Yes
3. Restrooms (male and female)	Special acoustical treatment needed No	Other furnishings/millwork/	
4. PE staff offices	Musical performance/singing/	equipment or requirements:	
5. PE staff restrooms and showers (male and female)	cheering expected No	<ul> <li>PE lockers - 2 tier</li> </ul>	Yes Yes
6. Storage (part of gym program)		Benches	Yes Yes Yes
0. Storage (part of gynn program)	Electrical/Lighting	Toilet partitions	<u>Yes</u>
	Power outlet minimum number Yes	Paper towel dispenser	<u>Yes</u> <u>Y</u>
	Other electrical/lighting equipment	<ul> <li>Mirror - 96" x 36"</li> </ul>	Yes
	or requirements:	Toilet paper dispenser	Yes Yes
	•	Grab bars - 36" and 42"	<u>Yes</u> <u>Y</u>
	•	Soap dispenser	<u>Yes</u>
		Towel hooks	Yes Yes
		• Mirror - 24" x 36"	<u> </u>
		Sanitary napkin receptacle	Yes
Daily Occupancy Use	Communications/IT Requirements	Sanitary napkin dispenser	<u>Yes</u>
9.5 hrs. (7:30 a.m.–5:00 p.m.)	Communication outlet (2-port) -standard Yes in #		
five days a week Yes	CATV outlet (coax + Cat 6) Yes in #		
After-hours use Yes	Clock Yes in#		#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
	Other communications/IT equipment	Walls:	
Environmental Conditions	or requirements:	CMU - painted	
Air pressure (balanced is assumed):	•	Ceramic tile	
• Negative Yes in #1-3,5,6		• Other	
Space has own exhaust mode Yes in #1-3, 5,6		Base:	
Other HVAC equipment		Resilient rubber	$\checkmark  \checkmark  \checkmark  \checkmark  \checkmark  \checkmark  \checkmark$
or requirements:		Ceramic tile	
•		<ul> <li>Quarry tile</li> </ul>	
		<ul> <li>Fluid applied flooring system</li> </ul>	
Plumbing	Safety/Security	Other	
Domestic water:	Nonmaster locks	Floors:	
Hot Yes in #2,5	Intrusion alarm system	Ceramic tile	$\checkmark  \checkmark  \checkmark  \checkmark  \checkmark  \checkmark  \checkmark$
• Cold Yes in #2,3,5	Access control	<ul> <li>Quarry tile</li> </ul>	
Floor drain Yes in #2,5	Other safety/security equipment	<ul> <li>Sealed concrete</li> </ul>	
Drinking fountain Yes in #1	or requirements:	<ul> <li>Fluid applied flooring system</li> </ul>	
Other plumbing equipment	•	Other	
or requirements:		Ceilings:	
Standard shower unit     Yes in #2		<ul> <li>Minimum ceiling height</li> </ul>	9' 9' 9' 9' 9'
Handicapped shower w/controls     Yes in #2,5		<ul> <li>Gypsum board - painted</li> </ul>	
Hose bibb     Yes in #5		<ul> <li>Exposed to structure</li> </ul>	
•		<ul> <li>Other</li> </ul>	
		Windows:	
		<ul> <li>Interior borrowed light window</li> </ul>	Yes Yes
		Doors:	
		• Wood	<u>Yes Yes Yes</u>
		Other	

## A12050 **PE-6 Locker Rooms Space Criteria**

Structural Requirements		Notes						
Other structural requirements:		Electrical:						
•		1. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.						
		Fire Protection:						
Signage Requirements		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.						
Room identification sign	Yes	Plumbing:						
Room number sign	Yes	1. Provide either a drinking fountain or a bubbler, depending on site location requirements.						
Other signage requirements:								
•								

#### **Fire Protection System**

- Sprinklers:
- Semi-recessed

Protection

Other fire protection equipment or requirements:

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#### **Program Activities**

- 1. Changing area for physical education
- 2. Changing area for athletic team practice and games

Yes Yes

- 3. Storage for clothing and personal items while
- students attend physical education classes

# Key Space Design and Relationship Concepts 1. Adjacent to gymnasium

2. Adjacent to outdoor play and practice fields

# Spatial Relationship Diagram





GYMINASIUM ENTRY

# **PE-7** Locker Rooms and Visitors Lockers



#### 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

Hose bibb

.

- 5. PE staff restrooms and showers (male and female)
- 6. Visitor locker area (male and female)
- 7. Storage (part of gym program)

		Power outlet minimum number
		Other electrical/lighting equipment or requirements:
		-
Daily Occupancy Use		<b>Communications/IT Requirements</b>
9.5 hrs. (7:30 a.m.–5:00 p.m.)		Communication outlet (2-port) -standard
five days a week	Yes	CATV outlet (coax + Cat 6)
After-hours use	Yes	Clock
		Other communications/IT equipment
Environmental Conditions		or requirements:
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:		
•		
Plumbing		Safety/Security
Domestic water:		Nonmaster locks
Hot	Yes in #2,5	Intrusion alarm system
• Cold	Yes in #2,3,5	Access control
Floor drain	Yes in #2,5	Other safety/security equipment
Drinking fountain	Yes in #1	or requirements:
Bubbler	Yes in #1	•
Other plumbing equipment		—
or requirements:		
<ul> <li>Standard shower unit</li> </ul>	Yes in #2	
<ul> <li>Handicapped shower w/controls</li> </ul>	Yes in #2,5	

Yes in #5

"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6 #	7 #8	#9	#10 #1	1 #12
# refers to Space Description designation		Whiteboard (4'-0")	Qty	1									
✓ indicates approved feature, system, or	r material	Tackboard (4'-0")	Qty	1									
		Casework:											
Acoustical Conditions	Ne	<ul> <li>Solid plastic countertops</li> <li>Other</li> </ul>			Yes			·					
Speech privacy Special acoustical treatment needed	No No	Other     Other furnishings/millwork/											
	INU												
Musical performance/singing/	No	<ul> <li>equipment or requirements:</li> <li>PE lockers - 2 tier</li> </ul>		Vaa			Vaa		Vaa				
cheering expected	No	Benches		Yes Yes			Yes		Yes Yes				
Electrical/Lighting		<ul> <li>Toilet partitions</li> </ul>		res		Yes			165				
Power outlet minimum number	Yes	<ul> <li>Paper towel dispenser</li> </ul>			Yes	res		Yes					
Other electrical/lighting equipment	165	Mirror			Yes	—		165					
or requirements:		<ul> <li>Toilet paper dispenser</li> </ul>			163	Yes		Yes					
		<ul> <li>Grab bars - 36" and 42"</li> </ul>				Yes	-	Yes					
•		Soap dispenser			Yes	163	-	Yes					
		Towel hooks			Yes			Yes					
		• Mirror - 24" x 36"			100	—		Yes					
		Sanitary napkin receptacle				Yes		100					
Communications/IT Requirements		<ul> <li>Sanitary napkin dispenser</li> </ul>				Yes							
Communication outlet (2-port) -standard	Yes in #4	Coat hooks		Yes		100							
CATV outlet (coax + Cat 6)	Yes in #4	•											
Clock	Yes in#1												
Other communications/IT equipment		Interior Finishes		#1	#2	#3	#4	#5	#6 #	7 #8	#9	#10 #1	1 #12
or requirements:		Walls:											
•		<ul> <li>CMU - painted</li> </ul>		~	$\checkmark$	$\checkmark$	~	$\checkmark$	✓	~			
-		Ceramic tile			~	$\checkmark$		~	✓				
		Other											
		Base:											
		<ul> <li>Resilient rubber</li> </ul>		✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓			
		<ul> <li>Ceramic tile</li> </ul>		$\checkmark$	✓	$\checkmark$	~	√	✓	✓			
		<ul> <li>Quarry tile</li> </ul>		✓	✓	$\checkmark$	~	√	✓	✓			
Safety/Security		<ul> <li>Fluid applied flooring system</li> </ul>		√	√	$\checkmark$	~	√	$\checkmark$	✓			
Nonmaster locks		• Other											
Intrusion alarm system		Floors:											
Access control		<ul> <li>Ceramic tile</li> </ul>		✓	✓	✓	✓	✓	<u></u>	✓			
Other safety/security equipment		<ul> <li>Quarry tile</li> </ul>		√	✓	✓	~	✓		✓			
or requirements:		<ul> <li>Sealed concrete</li> </ul>		√	✓	✓	✓	√		✓			
•		<ul> <li>Fluid applied flooring system</li> </ul>		$\checkmark$	✓	✓	√	√	✓	✓			
		Other											
		Ceilings:											
		<ul> <li>Minimum ceiling height</li> </ul>		9'	9'	9'	9'	9'	9' ✓	9' ✓			
		<ul> <li>Gypsum board - painted</li> </ul>		✓	✓	✓	$\checkmark$	✓	✓	✓			
		<ul> <li>Exposed to structure</li> </ul>		$\checkmark$					$\checkmark$	√			
		Other											
		Windows:											
		<ul> <li>Interior borrowed light window</li> </ul>					Yes						
		Doors:											
		• Wood		Yes			Yes	Yes	Yes \	′es			

• Other

### A12060 PE-7 Locker Rooms and Visitors Lockers Space Criteria

tic countertops		Yes										
ings/millwork/ or requirements: s - 2 tier	Yes			Yes		Yes						
iitions vel dispenser	Yes	Yes Yes	Yes	_	Yes	Yes				_		_
er dispenser 36" and 42" enser ks t" x 36"		Yes	Yes Yes	_	Yes Yes Yes Yes				_			
apkin receptacle lapkin dispenser ss	Yes		Yes Yes	_				_			_	
shes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
inted ile	✓ 	✓ ✓	✓ ✓	✓ 	✓ ✓	✓	✓	_		_	_	_
ubber ile ed flooring system	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	$\frac{\checkmark}{\checkmark}$	✓ ✓ ✓ ✓					
ile 9 ncrete ied flooring system	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓					
ceiling height poard - painted po structure	9' ✓ ✓	9' ✓	9' ✓	9' ✓	9' ✓	9' ✓ ✓	9' ~ ~	_			_	
prrowed light window	_	_	_	Yes				_		_	_	_
	Yes			Yes	Yes	Yes	Yes	_			_	_

### A12060 PE-7 Locker Rooms and Visitors Lockers Space Criteria

Structural Requirements		Notes
Other structural requirements:		Electrical:
•		1. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
		Fire Protection:
Signage Requirements		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Room identification sign	Yes	Plumbing:
Room number sign	Yes	1. Provide either a drinking fountain or a bubbler, depending on site location requirements.
Other signage requirements:		
•		
Fire Protection System		Key Space Design and Relationship Concepts

- Sprinklers:
- Semi-recessed

Protection

Other fire protection equipment or requirements:

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# **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

#### Spatial Relationship Diagram

1. Adjacent to gymnasium

Yes Yes

#### Locker Rooms and Visitors Lockers

2. Adjacent to outdoor play and practice fields



GYMNASIUM ENTRY

**PE-8** Concessions Area



#### Notes:

Configuration of room may be modified.
 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



# A12070 **PE-8 Concessions Area Space Criteria**

<b>BIA School Facilities</b>	Concessions Area	"Yes" and "No" apply to all spaces # refers to Space Description designatio		Fixed Furnishings/Equipment Casework:		#6 #7 #8 #9 #10 #11 #12
Space Description	For square footages,	✓ indicates approved feature, system, or	or material	<ul> <li>Plastic laminate base cabinets</li> </ul>	Yes Yes	
	see space template			<ul> <li>Plastic laminate countertops</li> </ul>	Yes	
1. Concessions area		Acoustical Conditions		Plastic laminate upper cabinets	Yes Yes	
2. Concessions storage		Speech privacy	No	• Locks	Yes Yes	
		Special acoustical treatment needed	No	• Other		
		Musical performance/singing/		Other furnishings/millwork/		
		cheering expected	No	equipment or requirements:	¥	
				Refrigerator	<u>Yes</u>	
		Electrical/Lighting	Vee	• Freezer	res	
		Specialty outlets/dedicated circuit Lighting requirements:	Yes			
		Automatic lighting controls	Yes			
		Other electrical/lighting equipment	165			
		or requirements:				
		ol requirements.				
		•				
Daily Occupancy Use		<b>Communications/IT Requirements</b>		Interior Finishes	#1 #2 #3 #4 #5	#6 #7 #8 #9 #10 #11 #12
9.5 hrs. (7:30 a.m.–5:00 p.m.)		Communication outlet (2-port) -standard	Yes in #1	Walls:		
five days a week	Yes	Other communications/IT equipment		<ul> <li>CMU - painted</li> </ul>	$\checkmark$ $\checkmark$	
After-hours use	Yes	or requirements:		<ul> <li>CMU - ground face, integral color</li> </ul>	$\overline{\checkmark}$	
		•		<ul> <li>Standard gypsum board - painted</li> </ul>		
<b>Environmental Conditions</b>			-	vinyl covered	$\checkmark$ $\checkmark$	
Air pressure (balanced is assume	ed):			Other		
<ul> <li>Negative</li> </ul>	Yes			Base:		
Space has own exhaust mode	Yes			<ul> <li>Resilient rubber</li> </ul>	<u>✓ ✓</u>	
Other HVAC equipment				Other		
or requirements:				Floors:		
•				<ul> <li>Ceramic tile</li> </ul>	<u> </u>	
				<ul> <li>Quarry tile</li> </ul>	<u>✓ ✓</u>	
Plumbing		Safety/Security		• VCT		
Domestic water:		Nonmaster locks		<ul> <li>Sheet vinyl</li> </ul>	$\checkmark$ $\checkmark$	
• Hot	Yes in #1	Intrusion alarm system		<ul> <li>Sealed concrete</li> </ul>	$\checkmark$ $\checkmark$	
Cold	Yes in #1	Access control		<ul> <li>Fluid applied flooring system</li> </ul>	$\checkmark$ $\checkmark$	
Sink(s): specialty type: SS large,		Other safety/security equipment		Other		
deep, dual	Yes in #1	or requirements:		Ceilings:		
Garbage disposal	Yes in #1	•		<ul> <li>Minimum ceiling height</li> </ul>	9' 9'	
Other plumbing equipment				• Exposed to structure - painted		
or requirements:				<ul> <li>Gypsum board - painted</li> </ul>	<u> </u>	
•				Lay-in acoustical - vinyl coated	, ,	
				(for food service)	<u> </u>	
				• Other		
				Doors:	X X	
				• Wood	Yes Yes	
				Overhead coiling grille	Yes	
				Other		

**Chapter A12: Physical Education** 

Structural Requirements Other structural requirements: • Signage Requirements Room identification sign Room number sign Other signage requirements: •	Yes Yes	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.
Fire Protection System Sprinklers: • Semi-recessed • Protection Other fire protection equipment or requirements: •	Yes Yes	Key Space Design and Relationship Concepts         1. Located in lobby adjacent to gymnasium         2. Near public restrooms
<ul> <li>Program Activities</li> <li>1. Sale of food and drink items during athletic events and performances.</li> <li>2. No cooking of food will occur in concessions area.</li> </ul>		Spatial Relationship Diagram Concessions Area



gymnasium Entry
# **DR-1 Dining Room – 100 Students or Fewer**



#### 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 fewe	er
SIZE:	Dining Area	750 s.f.
	(Minimum area; s	see BIE Educational
	Space Criteria Ha	andbook 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

### **Chapter A13: Dining Rooms**

BIA School FacilitiesDining Room <101	"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         Musical performance/singing/       Yes in #1         Electrical/Lighting         Specialty outlets/dedicated circuit       Yes         Lighting requirements:       Automatic lighting controls         • Direct/indirect lighting       Yes in #1		#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         1
Daily Occupancy Use9.5 hrs. (7:30 a.m5:00 p.m.)five days a weekYesAfter-hours useYes	Multi-level switched     Ves in #1     Emergency lighting     Ves     Ves     Ves	_	
Environmental Conditions         Air pressure (balanced is assumed):         • Negative       For kitchen doors         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:         •       •	Communications//T Requirements         Communication outlet (1-port) -         wall mounted       Yes in #1         Wireless access point outlet (2-port)       Req. coverages         Clock       Yes in #1         Other communications/IT equipment or requirements:       Yes in #1         •       Safety/Security         Nonmaster locks       Intrusion alarm system         Access control       Other safety/security equipment or requirements:         •       •	Interior Finishes 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 • Exposed to structure - painted • Gypsum board - painted • Lay-in acoustical • Other Windows: • Windows/daylight into space required • Operable window required Doors: • Wood • Hollow metal (exterior) • With glazed lites • Exterior door required • Other	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12 $\checkmark$

## A13000 DR-1 Dining Room – 100 Students or Fewer Space Criteria

## Chapter A13: Dining Rooms

## A13000 DR-1 Dining Room – 100 Students or Fewer Space Criteria

Structural Requirements		Notes
Consider acoustic roof deck if no		Electrical:
ceiling is provided	Yes	1. Provide wall switch type occupancy sensor.
Other structural requirements:		2. Provide automatic shut-off via building management system time clock.
•		3. Provide multi-level light switching.
		4. Provide emergency lighting for egress path.
Signage Requirements		5. Provide a receptacle mounted at +7'-0" for television.
Room identification sign	Yes	Fire Protection:
Room number sign	Yes	1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.
Occupancy limit	Yes	Plumbing:
Other signage requirements:		1. Provide either a drinking fountain or a bubbler, depending on site location requirements.
•		
Fire Protection System		Key Space Design and Relationship Concepts
Sprinklers:		1. Adjacent to kitchen and serving line
<ul> <li>Semi-recessed</li> </ul>	Yes	2. Close adjacency to dormitory building if one is included in school development
<ul> <li>Protection</li> </ul>	Yes	
Other fire protection equipment		
or requirements:		
•		
Program Activities		Spatial Relationship Diagram
<ol> <li>Student dining and assembly type pr</li> </ol>		Dining Room – 100 Students or Fewer
<ol><li>Does not include space for serving I</li></ol>	ine.	



# **DR-2** Dining Room – More Than 100 Students





#### 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

#### **Chapter A13: Dining Rooms**

<b>BIA School Facilities</b>	Dining Room >100	"Yes" and "No" apply to all spaces # refers to Space Description designati	on	Fixed Furnishings/Equipment Whiteboard (8'-0") Qty	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 2
Space Description	For square footages, see space template	✓ indicates approved feature, system,		Tackboard (4'-0") Qty TV with wall mounting bracket Qty	
1. Cafetorium	see space template	Acoustical Conditions		Casework:	
2. Table and chair storage		Speech privacy	No	• Other	
		Special acoustical treatment needed	Yes in #1	Other furnishings/millwork/	
		Musical performance/singing/	103 111 #1	equipment or requirements:	
		cheering expected	Yes in #1	equipment of requirements.	
		cheening expected	165111#1	•	
		Electrical/Lighting			
		Specialty outlets/dedicated circuit	Yes		
		Lighting requirements:			
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #1		
Daily Occupancy Use		Direct/indirect lighting	Yes in #1		
9.5 hrs. (7:30 a.m.–5:00 p.m.)		Multi-level switched	Yes in #1		
five days a week	Yes	Emergency lighting	Yes		
After-hours use	Yes	Other electrical/lighting equipment	163		
Allel-Hours use	165				
Environmental Conditions		or requirements:			
Air pressure (balanced is assumed	<i>\\</i> .	•			
Negative	Yes	Communications/IT Requirements		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
Space has own exhaust mode	Yes in #1	Communication outlet (1-port) -		Walls:	
Other HVAC equipment	103 111 #1	wall mounted	Yes in #1	CMU - painted	
or requirements:		Wireless access point outlet (2-port)	Req. coverage	<ul> <li>CMU - ground face, integral color</li> </ul>	
•		Clock	Yes in #1	<ul> <li>Impact-resistant gypsum board -</li> </ul>	<u> </u>
•		Other communications/IT equipment	165 111 #1	<ul> <li>Impact-resistant gypsum board - painted or vinyl covered</li> </ul>	
Plumbing				Other	<u>✓ ✓</u>
		or requirements:			
Domestic water:	Maa in 114	•		Base:	
• Cold	Yes in #1			Resilient rubber	<u> </u>
Floor drain	Yes in #1	Safety/Security		• Other	
Drinking fountain	Yes in #1	Nonmaster locks		Floors:	, ,
Bubbler	Yes in #1	Intrusion alarm system		• VCT	
Other plumbing equipment		Access control		Sheet vinyl	
or requirements:		Other safety/security equipment		Other	
•		or requirements:		Ceilings:	
		•		<ul> <li>Minimum ceiling height</li> </ul>	<u>12' 10' </u>
				<ul> <li>Exposed to structure - painted</li> </ul>	
				<ul> <li>Gypsum board - painted</li> </ul>	
				<ul> <li>Lay-in acoustical</li> </ul>	
				Other	
				Windows:	
				<ul> <li>Windows/daylight into space required</li> </ul>	Yes
				<ul> <li>Operable window required</li> </ul>	Yes
				Doors:	
				• Wood	Yes Yes
				<ul> <li>Hollow metal (exterior)</li> </ul>	Yes
				With glazed lites	Yes
				Exterior door required	Yes
				Other	

## A13010 DR-2 Dining Room – More Than 100 Students Space Criteria

## Chapter A13: Dining Rooms

## A13010 DR-2 Dining Room – More Than 100 Students Space Criteria

Structural Requirements Consider acoustic roof deck if no ceiling is provided Other structural requirements:	Yes	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 multi-level light switching for correst path
Signage Requirements Room identification sign Room number sign Occupancy limit Other signage requirements:	Yes Yes Yes	<ol> <li>Provide emergency lighting for egress path.</li> <li>Provide a receptacle mounted at +7'-0" for television.</li> <li><u>Fire Protection:</u></li> <li>Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads, with protection in storage areas.</li> <li><u>Plumbing:</u></li> <li>Provide either a drinking fountain or a bubbler, depending on site location requirements.</li> </ol>
Fire Protection System Sprinklers: • Semi-recessed • Protection Other fire protection equipment or requirements:	Yes Yes	Key Space Design and Relationship Concepts <ol> <li>Adjacent to kitchen and serving line</li> <li>Close adjacency to dormitory building if one is included in school development</li> </ol>
Program Activities 1.Student dining and assembly type p 2. Does not include space for serving		Spatial Relationship Diagram Dining Room – More Than 100 Students SERVICE ENTRY



# **SS-1 Facilities Maintenance Shop**



#### Notes:

1. Shelving layout may be modified.

2. Window and door locations may be modified.

CAPACITY: N/A SIZE: Facil

Facilities Maintenance Shop – Base population; see <i>BIE Educational</i>	
Handbook for requirements.	
Office	150 s.f.
Maintenance Equipment	250 s.f.
Material Storage – See BIE Educat	ional Space
Criteria Handbook for requireme	ents.
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

0

#### BIA School Facilities Facilities Maintenance S

#### Space Description

1. Facilities maintenance shop

- 2. Facilities maintenance office
- 3. Facilities maintenance equipment
- 4. Facilities maintenance materials storage
- 5. Chemical storage

Maintenance Shop	"Vee" and "Ne" apply to all appears	
s maintenance Shop	"Yes" and "No" apply to all spaces # refers to Space Description designation	on
<b>-</b>		
For square footages, see space template	✓ indicates approved feature, system,	or material
	Acoustical Conditions	
	Speech privacy	No
nt	Special acoustical treatment needed	No
storage	Musical performance/singing/	
5	cheering expected	No
	0	
	Electrical/Lighting	
	Power outlet minimum number	Yes
	Specialty outlets/dedicated circuit	Yes
	Lighting requirements:	
	<ul> <li>Automatic lighting controls</li> </ul>	Yes
	<ul> <li>Multi-level switched</li> </ul>	Yes in #1
	<ul> <li>Emergency lighting</li> </ul>	Yes
	Other electrical/lighting equipment	
	or requirements:	
	o oqu oo.	

**Communications/IT Requirements** 

Other communications/IT equipment

or requirements:

Communication outlet (2-port) -standard Y

Yes

Yes

Daily	Occupancy Use	
Daily	Occupancy Use	

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

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 requiren
- ٠

chemicals)	Yes		
Storage cabinet ventilation required (dependent on chemicals)	Yes		
Other HVAC equipment or requirements:			
•			
Plumbing		Safety/Security	
Domestic water:		Nonmaster locks	
Hot	Yes in #1	Intrusion alarm system	
Cold	Yes in #1	Access control	
Floor drain	Yes in #1	Other safety/security equipment	
Sink(s): specialty type: SS large,		or requirements:	
deep, dual	Yes in #1	•	

.

٠

Yes in #1 Emergency shower (dependent on Yes in #1

Yes in #1

Other plumbing equipment or requirements:

Eyewash station (dependent on chemicals stored)

chemicals stored)

٠

## A14000 SS-1 Facilities Maintenance Shop Space Criteria

Fixed Furnishings/Equipment		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
Tackboard (4' x 4')	Qty	2											
Casework:													
<ul> <li>Plastic laminate base cabinets</li> </ul>			Yes										
<ul> <li>Plastic laminate countertops</li> </ul>			Yes										
Plastic laminate upper cabinets			Yes										
<ul> <li>16" deep adjustable shelving</li> </ul>					Yes	Yes							
Other furnishings/millwork/													
equipment or requirements:													

	Interior Finishes	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
	Walls:												
	<ul> <li>CMU - painted</li> </ul>	✓	$\checkmark$	$\checkmark$	$\checkmark$	✓							
′es in #2	Other												
	Base:												
	<ul> <li>Resilient rubber</li> </ul>	✓	✓	✓	✓ ✓	✓							
	<ul> <li>Sheet vinyl</li> </ul>	✓	✓	✓	✓	✓							
	<ul> <li>Fluid applied flooring system</li> </ul>	✓	✓	✓	√	✓							
	Other												_
	Floors:												
	• VCT		✓										
	<ul> <li>Sheet vinyl</li> </ul>		✓										_
	<ul> <li>Sealed concrete</li> </ul>	✓	✓	✓	$\checkmark$	✓							
	<ul> <li>Fluid applied flooring system</li> </ul>		✓										_
	Other												
	Ceilings:												
	<ul> <li>Minimum ceiling height</li> </ul>	12'	10'	10'	10'	10'							
	<ul> <li>Exposed to structure - unpainted</li> </ul>	✓	✓	✓	-		-						
	<ul> <li>Exposed to structure - painted</li> </ul>	✓	✓	✓		$\checkmark$							
	<ul> <li>Gypsum board - painted</li> </ul>	✓	✓	✓	√	$\checkmark$							
	Other												
	Windows:												
	<ul> <li>Windows/daylight into space required</li> </ul>		Yes										
	<ul> <li>Operable window required</li> </ul>		Yes										
	<ul> <li>Interior borrowed light window</li> </ul>		Yes										
	Doors:												
	<ul> <li>Hollow metal</li> </ul>				Yes								
	<ul> <li>With glazed lites</li> </ul>	Yes	Yes	Yes	Yes	Yes							
	<ul> <li>Exterior door required</li> </ul>	Yes											
	<ul> <li>Overhead garage door</li> </ul>												
	(insulated)	Yes											
	Other												

**BIA School Facilities Space Templates** March 30, 2007

#### A14000 SS-1 Facilities Maintenance Shop Space Criteria

### **Chapter A14: Support Services**

Structural Requirements		Notes
Special floor loading requirements:		Electrical:
	res in #1	1. Provide wall switch type occupancy sensor.
Special suspended loading		2. Provide automatic shut-off via building management system time clock.
requirements:		3. Provide multi-level light switching.
Possible hung equipment Y	res in #1	5. Provide emergency light near door(s).
Other structural requirements:		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:
Signage Requirements		1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide exposed heads with protection in storage areas.
Room identification sign	Yes	HVAC
Room number sign	Yes	1. A dedicated exhaust system may be required.
Other signage requirements:		
•		
Fire Protection System		Key Space Design and Relationship Concepts
Sprinklers:		1. Adjacent to kitchen service and loading area
Semi-recessed	Yes	2. Separate from academic and public areas of school

Protection

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

Yes

#### Spatial Relationship Diagram

#### **Facilities Maintenance Shop**

3. Preferably adjacent to mechanical and electrical rooms, but not required



# **SS-2** Custodial Closets



#### 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



## A14010 SS-2 Custodial Closets Space Criteria

<b>BIA School Facilities</b>	Custodial Closets	"Yes" and "No" apply to all spaces # refers to Space Description designation		Fixed Furnishings/Equipment Casework:	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12		
Space Description	For square footages, see space template	✓ indicates approved feature, system, o	r material	<ul> <li>16" deep adjustable shelving</li> <li>Other</li> </ul>	Yes		
1. Custodial closet	see space template	Acoustical Conditions Speech privacy	No	Other furnishings/millwork/ equipment or requirements:			
		Special acoustical treatment needed	No	Mop holder w/shelf	Yes		
		Musical performance/singing/ cheering expected	No				
		Electrical/Lighting		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12		
		Lighting requirements: • Automatic lighting controls	Yes	<ul> <li>Walls:</li> <li>CMU - painted</li> </ul>	$\checkmark$		
		Other electrical/lighting equipment	163	CMU - ground face, integral color			
		or requirements:		<ul> <li>Impact-resistant gypsum board -</li> </ul>			
		•		painted or vinyl covered	$\checkmark$		
				Ceramic tile			
				• FRP	✓		
				Other			
Daily Occupancy Use		Communications/IT Requirements		Base:			
9.5 hrs. (7:30 a.m.–5:00 p.m.)		Other communications/IT equipment		Resilient rubber			
five days a week	Yes	or requirements:		Ceramic tile	<u> </u>		
After-hours use	Yes	•		<ul> <li>Quarry tile</li> <li>VCT</li> </ul>	<u> </u>		
Environmental Conditions				Sheet vinyl	<u> </u>		
Air pressure (balanced is assume	d):			<ul> <li>Fluid applied flooring system</li> </ul>	<u> </u>		
Negative	Yes			Other	<u> </u>		
• Negative Other HVAC equipment	165			Floors:			
or requirements:				Ceramic tile	1		
•				Quarry tile			
-				• VCT			
Plumbing		Safety/Security		Sheet vinyl			
Domestic water:		Nonmaster locks		Sealed concrete	<u>√</u>		
• Hot	Yes	Intrusion alarm system		<ul> <li>Fluid applied flooring system</li> </ul>	<u>√</u>		
Cold	Yes	Access control		• Other			
Floor drain	Yes	Other safety/security equipment		Ceilings:			
Sink(s): custodial mop sink	Yes	or requirements:		<ul> <li>Minimum ceiling height</li> </ul>	<u>10'</u>		
Other plumbing equipment		•		<ul> <li>Exposed to structure - unpainted</li> </ul>			
or requirements:				<ul> <li>Exposed to structure - painted</li> </ul>			
•				<ul> <li>Gypsum board - painted</li> </ul>			
				• Other			
				Doors:			
				• Wood	<u>✓</u>		
				<ul> <li>Hollow metal</li> </ul>	<u>✓</u>		

Other

#### Structural Requirements Notes Other structural requirements: Electrical: 1. Provide wall switch type occupancy sensor. ٠ Fire Protection: 1. Provide semi-recessed heads for spaces with ceilings. Signage Requirements Key Space Design and Relationship Concepts Room identification sign Yes 1. Near large group restrooms Room number sign Yes 2. Near student dining Other signage requirements: 3. Near physical education ٠ 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

 Space for storage of custodial supplies thro the building **SS-3** General Storage



## A14020 SS-3 General Storage Space Criteria

BIA School Facilities Space Description	General Storage For square footages, see space template	"Yes" and "No" apply to all spaces # refers to Space Description designatic ✓ indicates approved feature, system, o		Fixed Furnishings/Equipment Casework: • 16" deep shelving • Other	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12 Yes
1. General storage		Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected	No No	Other furnishings/millwork/ equipment or requirements: •	
		Electrical/Lighting Lighting requirements: • Automatic lighting controls Other electrical/lighting equipment or requirements: •	Yes	Interior Finishes Walls: • CMU - painted • CMU - ground face, integral color • Standard gypsum board - painted or vinyl covered • Impact-resistant gypsum board - painted or vinyl covered	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12  #10       #11       #12       #12
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Air pressure (balanced is assumed • Negative	Yes No ): Yes	Communications/IT Requirements Other communications/IT equipment or requirements:		<ul> <li>Other</li> <li>Base: <ul> <li>Resilient rubber</li> <li>Sheet vinyl</li> <li>Fluid applied flooring system</li> <li>Other</li> </ul> </li> <li>Floors: <ul> <li>Carpet</li> <li>VCT</li> </ul> </li> </ul>	
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:		<ul> <li>Sheet vinyl</li> <li>Sealed concrete</li> <li>Fluid applied flooring system</li> <li>Other</li> <li>Ceilings: <ul> <li>Minimum ceiling height</li> <li>Exposed to structure - unpainted</li> <li>Exposed to structure - painted</li> <li>Gypsum board - painted</li> <li>Lay-in acoustical</li> <li>Other</li> </ul> </li> </ul>	
				Doors: • Wood • Hollow metal • Other	

Structural Requirements Other structural requirements:		Notes Electrical: 1. Provide wall switch type occupancy sensor. <u>Fire Protection:</u> 1. Provide semi-recessed heads for spaces with ceilings.
Signage Requirements Room identification sign Room number sign Other signage requirements:	Yes Yes	Key Space Design and Relationship Concepts         1. Near academic areas
Fire Protection System Sprinklers: Semi-recessed Protection Other fire protection equipment or requirements:	Yes Yes	
Program Activities 1. Space for book and furniture storage for the	e school	

# SS-4 Typical Large Group Restroom



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



BIA School Facilities La	rge Group Restroom	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
		# refers to Space Description designation		Casework:	
Space Description	For square footages,	<ul> <li>✓ indicates approved feature, system, or</li> </ul>	or material	<ul> <li>Solid plastic countertops</li> </ul>	Yes
	see space template			Other	
<ol> <li>Typical large group restroom</li> </ol>		Acoustical Conditions		Other furnishings/millwork/	
		Speech privacy	No	equipment or requirements:	
		Special acoustical treatment needed	No	<ul> <li>Toilet partitions</li> </ul>	Yes
		Musical performance/singing/		Grab bars	Yes
		cheering expected	No	Mirror	Yes
				<ul> <li>Paper towel dispenser</li> </ul>	Yes
		Electrical/Lighting		<ul> <li>Soap dispenser</li> </ul>	Yes
		Lighting requirements:		<ul> <li>Toilet paper dispenser</li> </ul>	Yes
		<ul> <li>Automatic lighting controls</li> </ul>	Yes	<ul> <li>Sanitary napkin receptacle</li> </ul>	Yes
		<ul> <li>Emergency lighting</li> </ul>	Yes	<ul> <li>Sanitary napkin dispenser</li> </ul>	Yes
		Other electrical/lighting equipment		•	
		or requirements:			
		•			
Daily Occupancy Use		Communications/IT Requirements		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
9.5 hrs. (7:30 a.m.–5:00 p.m.)		Other communications/IT equipment		Walls:	
five days a week	Yes	or requirements:		CMU - painted	$\checkmark$
After-hours use	Yes	•		CMU - ground face, integral color	<u></u>
				<ul> <li>Impact-resistant gypsum board -</li> </ul>	
<b>Environmental Conditions</b>				painted or vinyl covered	$\checkmark$
Air pressure (balanced is assume	q).			Ceramic tile	<u> </u>
Negative	Yes			Other	<u> </u>
Other HVAC equipment	100			Base:	
or requirements:				Ceramic tile	$\checkmark$
•				Quarry tile	·
•				<ul> <li>Fluid applied flooring system</li> </ul>	·
Plumbing		Safety/Security		Other	·
Domestic water:		Nonmaster locks		Floors:	
Hot	Yes	Intrusion alarm system		Ceramic tile	
Cold	Yes	Access control		Quarry tile	·
				,	·
Floor drain	Yes	Other safety/security equipment		<ul> <li>Fluid applied flooring system</li> <li>Other</li> </ul>	·
Drinking fountain	Yes	or requirements:			
Bubbler	Yes	•		Ceilings:	01
Other plumbing equipment				Minimum ceiling height	<u> </u>
or requirements:				Gypsum board - painted	<u>✓</u>
<ul> <li>Hose bibb (large restroom group)</li> </ul>	ups) Yes			• Other	
•				Doors:	
				• Wood	Yes

Other

## SS-4 Typical Large Group Restroom Space Criteria

A14030

A14030-3

## A14030 SS-4 Typical Large Group Restroom Space Criteria

Structural Requirements Other structural requirements:		Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor. 2. Provide emergency light near door(s).
Signage Requirements		Plumbing:
Room identification sign	Yes	1. Provide either a drinking fountain or a bubbler, depending on site location requirements.
Room number sign	Yes	
Other signage requirements:		
•		
Fire Protection System		Key Space Design and Relationship Concepts
Sprinklers:		1. Near student dining area
<ul> <li>Semi-recessed</li> </ul>	Yes	2. Near public use areas such as media center and gymnasium
Other fire protection equipment		3. Near academic core areas
or requirements:		4. Located in several areas throughout building
•		

Program Activities 1. Personal and health needs for students

# SS-5 Communications Entrance Facility (EF)



#### 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 <sup>3</sup>/<sub>4</sub>" plywood backboard
- T7 Vertical cable management section
- T8 Space reserved for future equipment rack

#### A14040

SS-5 Communications Entrance Facility (EF) Space Criteria

### **Chapter A14: Support Services**

BIA School Facilities Co	ommunications EF	"Yes" and "No" apply to all spaces # refers to Space Description designat	ion	Fixed Furnishings/Equipment Casework:	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #
	For square footages, see space template	✓ indicates approved feature, system,	or material	Other Other furnishings/millwork/	
1. Communications entrance facility		Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected	No No No	equipment or requirements:	
		Electrical/Lighting Specialized power requirements Special grounding requirement UPS required Specialty outlets/dedicated circuit Lighting requirements: • Automatic lighting controls Other electrical/lighting equipment	Yes Yes Yes Yes		
Daily Occupancy Use		or requirements: Plywood backboard	Yes	Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #
9.5 hrs. (7:30 a.m5:00 p.m.)		<ul> <li>Standby power</li> </ul>	Yes	Walls:	
five days a week	Yes	•		<ul> <li>CMU - painted</li> </ul>	<u>✓</u>
After-hours use	Yes			<ul> <li>CMU - ground face, integral color</li> </ul>	<u>✓</u>
		<b>Communications/IT Requirements</b>		<ul> <li>Standard gypsum board -</li> </ul>	
Environmental Conditions		Communication outlet (1-port) -		painted or vinyl covered	<u>✓</u>
Special temperature range needs:		wall mounted (wall phone)	Yes	<ul> <li>Plywood over entire wall surface -</li> </ul>	
<ul> <li>24/7 cooling</li> </ul>	Yes	Equipment rack	Yes	painted	<u>✓</u>
Individual room air temp. control	Yes	Equipment frame	Yes	Other	
Other HVAC equipment		Ladder rack	Yes	Base:	
or requirements:		Grounding bus bar	Yes	<ul> <li>Resilient rubber</li> </ul>	✓
•		Other communications/IT equipment		<ul> <li>Sheet vinyl (conductive)</li> </ul>	✓
		or requirements:		Other	
Plumbing		<ul> <li>3/4" plywood backboard</li> </ul>	Yes	Floors:	
Other plumbing equipment		<ul> <li>Vertical cable management section</li> </ul>	Yes	• VCT	✓
or requirements:		<ul> <li>Space reserved for future</li> </ul>		<ul> <li>Sheet vinyl (conductive)</li> </ul>	✓
•		equipment rack	Yes	<ul> <li>Sealed concrete</li> </ul>	
		•		Other	
				Ceilings:	
		Safety/Security		<ul> <li>Minimum ceiling height</li> </ul>	9'
		Nonmaster locks		<ul> <li>Exposed to structure - painted</li> </ul>	$\checkmark$
		Intrusion alarm system		<ul> <li>Gypsum board - painted</li> </ul>	
		Access control		<ul> <li>Lay-in acoustical</li> </ul>	
		Other safety/security equipment		• Other	
		or requirements:		Doors:	
		•		Wood	$\checkmark$
				• Other	

## A14040 SS-5 Communications Entrance Facility (EF) Space Criteria

Structural Requirements		Notes
Other structural requirements:		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).
Signage Requirements		3. Provide a minimum of four dedicated receptacles on each lone wall within this room.
Room identification sign	Yes	4. Provide a dedicated ground bar tied to the MDP ground bar.
Room number sign	Yes	5. Provide 3/4" fire rated plywood backboard on all walls within this room from floor to +8'- 0".
Other signage requirements:		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.
Fire Protection System		8. When available, all equipment within this room shall be connected to standby generator power.
Sprinklers:		Fire Protection:
<ul> <li>Semi-recessed</li> </ul>	Yes	1. Provide semi-recessed heads for spaces with ceilings.
<ul> <li>Protection</li> </ul>	Yes	
Other fire protection equipment		
or requirements:		
•		
Program Activities		

1. Space for technology needs

# SS-6 Telecommunications Room (TR)



#### 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 <sup>3</sup>/<sub>4</sub>" plywood backboard
- T7 Vertical cable management section

	ommunications (TR)	"Yes" and "No" apply to all spaces # refers to Space Description designatio		Fixed Furnishings/Equipment Casework:	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
Space Description	For square footages, see space template	✓ indicates approved feature, system, c	or material	<ul> <li>Other</li> <li>Other furnishings/millwork/</li> </ul>	
1. Telecommunications room (TR)		Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected	No No No	equipment or requirements:	
		Electrical/Lighting Specialized power requirements Special grounding requirement UPS required Specialty outlets/dedicated circuit Lighting requirements: • Automatic lighting controls Other electrical/lighting equipment	Yes Yes Yes Yes Yes		
		or requirements:			
Daily Occupancy Use		Plywood backboard	Yes	Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
9.5 hrs. (7:30 a.m.–5:00 p.m.)	N/	<ul> <li>Standby power</li> </ul>	Yes	Walls:	/
five days a week	Yes	•		CMU - painted     OMU	<u>√</u>
After-hours use	Yes			CMU - ground face, integral color	<u> </u>
		Communications/IT Requirements		<ul> <li>Standard gypsum board -</li> </ul>	
Environmental Conditions		Communication outlet (1-port) -		painted or vinyl covered	<u>✓</u>
Special temperature range needs:		wall mounted (wall phone)	Yes	<ul> <li>Plywood over entire wall surface -</li> </ul>	
<ul> <li>24/7 cooling</li> </ul>	Yes	Equipment rack	Yes	painted	<u>✓</u>
Individual room air temp. control	Yes	Ladder rack	Yes	• Other	
Other HVAC equipment		Grounding busbar	Yes	Base:	
or requirements:		Other communications/IT equipment		<ul> <li>Resilient rubber</li> </ul>	<u>✓</u>
•		or requirements:		<ul> <li>Sheet vinyl (conductive)</li> </ul>	$\checkmark$
		<ul> <li>3/4" plywood backboard</li> </ul>	Yes	Other	
Plumbing		<ul> <li>Vertical cable management section</li> </ul>	Yes	Floors:	
Other plumbing equipment		<ul> <li>Space reserved for future</li> </ul>		• VCT	$\checkmark$
or requirements:		equipment rack	Yes	<ul> <li>Sheet vinyl (conductive)</li> </ul>	$\checkmark$
•		•		<ul> <li>Sealed concrete</li> </ul>	$\checkmark$
				Other	
				Ceilings:	
		Safety/Security		<ul> <li>Minimum ceiling height</li> </ul>	9'
		Nonmaster locks		<ul> <li>Exposed to structure - painted</li> </ul>	<u>√</u>
		Intrusion alarm system		<ul> <li>Gypsum board - painted</li> </ul>	<u>√</u>
		Access control		Lay-in acoustical	<u>√</u>
		Other safety/security equipment		• Other	
		or requirements:		Doors:	
		•		• Wood	$\checkmark$
				Other	

## A14050 SS-6 Telecommunications Room (TR) Space Criteria

## A14050 SS-6 Telecommunications Room (TR) Space Criteria

## **Chapter A14: Support Services**

Structural Requirements		Notes
Other structural requirements:		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).
Signage Requirements		3. Provide a minimum of four dedicated receptacles on each lone wall within this room.
Room identification sign	Yes	4. Provide a dedicated ground bar tied to the MDP ground bar.
Room number sign	Yes	5. Provide 3/4" fire rated plywood backboard on all walls within this room from floor to +8'-0".
Other signage requirements:		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.
Fire Protection System		8. When available, all equipment within this room shall be connected to standby generator power.
Sprinklers:		Fire Protection:
<ul> <li>Semi-recessed</li> </ul>	Yes	1. Provide semi-recessed heads for spaces with ceilings.
<ul> <li>Protection</li> </ul>	Yes	
Other fire protection equipment		
or requirements:		
•		

Program Activities 1. Space for technology needs
### **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

#### A15000

D-1 Grades 1 thru 8 Two-Bed Sleeping Rooms / Restroom Space Criteria

#### **Chapter A15: Dormitories**

Dace Description       For square footages, see space template see see see see see see see see see s	BIA School Facilities Grad	acs r-o born Koon for 2	"Yes" and "No" apply to all spaces # refers to Space Description designation	ion	Fixed Furnishings/Equipment Tackboard Qty	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 1
Sleeping room Reatroom (serves two sleeping room) Reatroom (serves two sleeping room) Reatroom (serves two sleeping room) Packet privacy Special accustical treatment needed No Cheffer Market Packet privacy Special treatments: 	pace Description				Casework:	
Reatroom (serves two sleeping rooms)       Speech privacy:       Yes       • Other functioning milliowit/ auginoments:       • Other functioning milliowit/ auginoments:       • Other functioning milliowit/ auginoments:                Identification transmission (highing countries • Automatic lighting countries • Speciality)task lighting Other decrinationing mighting cautionents:       • Yes • Totel part disponser       Yes • Totel part disponser                Mill-over structures • Speciality task lighting Other decrinationing augunent or requirements:       Yes int /// Part disponser       Yes • Totel part disponser                Mill-over structures • Stress of the reduced augunent or requirements:              Communication full Requirements: • Totel part disponser              Yes • Communication for the part dispo	Sleeping room	see space template	Acoustical Conditions			
Special acoustical treatment needed       No         Other (maining/millions/)       equipment or equipments:		ning rooms)		Ves		
Musical performance/singing/ cherning accorded       No.         Electricit/Lighting cuprent requirements:	Restroom (Serves two siee	ping rooms)				
Cherring expected     No     Cherring expected     Cherring expected     No     Cherring expected				110		
Image: second				No		Ves
Electrol/Liphing       - Toilet paper dispenser       Yes         - Viornatic liphing equipment:       - Viornatic liphing equipment       Yes         - Multi-level switched       Yes         - Other electricality into gequipment:       Yes         - Other electricality into gequipment       Yes         - Yes       - Yes         - Other electricality into gequipment       Yes			cheening expected	NO		
Lighting requirements:       • Automatic lighting controls       Yes         • Automatic lighting controls       Yes         • Operative Marks lighting controls       Yes in 22         • Other controls       Yes in 22         • Other Second marks       • Other controls         • Other Second marks       • Other controls         • Other Second marks       • Other controls         • Other Second marks       • Other Second marks         • Other Second marks			Electrical/Lighting			
<ul> <li> <ul> <li>Automatic lighting controls</li> <li>Ves</li> <li>Ves</li> <li>Ves</li> <li>Ves</li> <li>Ves</li> <li>Ves</li> </ul> </li> <li> <ul> <li>Ves</li> <li>Ves</li></ul></li></ul>						
• • Wull-level switched • operate/Waski lighting Other electrical/lighting equipment or requirements:     • • • • • • • • • • • • • • • • • • •				Yes		
• Specially/task lighting our requirements:       •         • *       •         Sily Occupancy Use 5 hrs. (7:30 a.m500 p.m.) ve days a weak ter-hours use       •         Other electricality ting equipment or requirements:       •         Vironmental Conditions ther HVAC equipment or requirements:       •         Stafet/Security Normaster looks ther point of the point						
Other electrical/lighting equipment or requirements:       •         • </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
aliy Occupancy Use 5 fris: (7:30 a.m500 p.m.) w days a week method is a scess point outlet (2pont) witromwental Conditions ter-hours use Yes or requirements: •       Communications/IT Requirements CATV outlet (coart (2pont) Other communications/IT equipment or requirements: •       Yes in#1 CATV outlet (coart (2pont) Other communications/IT equipment or requirements: •       Interfor Finishes       #1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #1         Mitromeental Conditions or requirements: •       Yes       Yes       Yes       Yes       #2       #3       #4       #5       #6       #7       #8       #9       #10       #1         Mitromeental Conditions or requirements: •       Or requirements: •       •       Yes in#2       Normaster locks       Yes						
alig Occupancy Use 5 hs (7:30 an -500 pm.) ve days a veek       Yes       Yes       Yes inf1         CATV outlet (coax + Cat 6)       Yes inf1         Wireless access point outlet (2:port) of requirements:       Yes       Yes         wironneutal Conditions       of ther communications/IT equipment or requirements:       Yes       Yes         wironneutal Conditions       of ther communications/IT equipment or requirements:       Yes       Yes         wironneutal Conditions       Yes       Yes       Yes         wironneutal Conditions       Yes       Yes       Yes         y requirements:       Yes       Yes       Yes         wironneutal Conditions       Yes       Yes       Yes         y requirements:       Yes       Yes       Yes         y cold       Yes       Yes       Yes						
Shrs. (7:30 a.m5:00 p.m.)       CATV outlet (coax + Cat 6)       Yes in#1       Walis:         virionmental Conditions       Yes       Yes       Normaster locks       Normaster locks         her HVAC equipment or requirements:       •       •       •       •       •         state:       •       •       •       •       •       •         state:       •       •       •       •       •       •       •         state:       • </td <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>			•			
5 hrs. (7:30 a.m5:00 p.m.)       CATV outlet (coox + Cat 6)       Yes int 7       Reg. coverage         versions       Yes       Other communications/IT equipment or requirements:       CMU - painted versions       V         virronmental Conditions       or equirements:       Versions       Versions       Versions         virronmental Conditions       versions       Versions       Versions       Versions         virronmental Conditions       versions       Versions       Versions       Versions         virronmental Conditions       versions       Versions       Versions       Versions         versions       Statety/Security       versions       Versions       Versions       Versions         versions       Statety/Security equipment       versions       Versions       Versions       Versions       Versions         versions       V					Interior Finishes	ил ир ир ил иг ис и <del>л</del> и <u>р ир ил</u> о
vive days a week       Yes       Vireless access point outif (2-port)       Reg. coverage       •				Voc in#1		#1 #2 #3 #4 #3 #6 #7 #8 #9 #10
Yes       Other communications/IT equipment or requirements:       Other communications/IT equipment or requirements:         her HVAC equipment or requirements:       •       •         her HVAC equipment or requirements:       •       •         State//security       •       •         Nonmaster locks       •       •         Intrusion alam system or requirements:       •       •         • Other       •       •         • Other stately/security equipment or requirements:       •       •         • Other       • </td <td></td> <td></td> <td>. ,</td> <td></td> <td></td> <td></td>			. ,			
wirronmental Conditions       or requirements:       •       inpact-resistant gypsun board - painted or vinyl covered vinyl vinyl covered vinyl vinyli vinyl vinyl vinyl vinyl vinyli vinyli vinyl vinyl vinyli vinyli vinyli vinyli vinyli vinyl vinyl vi				Req. coverage		
wironmental Conditions <ul> <li>her HVAC equipment</li> <li>requirements:</li> </ul> painted or vinyt Covered <ul> <li>Other</li> <li>Other</li> <li>Other</li> <li>Other</li> <li>Staty/Security</li> <li>Resilient rubber</li> <li>Quary tile</li> <li>V</li> <li>Other satety/Security equipment</li> <li>Fluid applied flooring system</li> <li>Other satety/Security equipment</li> <li>requirements:</li> </ul> Staty/Security <ul> <li>Staty/Security</li> <li>Normaster tocks</li> <li>Fluid applied flooring system</li> <li>Other satety/Security equipment</li> <li>requirements:</li> <li>Ves in #2</li> <li>Staty/Security equipment</li> <li>requirements:</li> <li>Staty Security equipment</li> <li>requirements:</li> <li>Staty Security equipment</li> <li>requirements:</li> <li>Staty Security equipment</li> <li>requirements:</li> <li>Staty Security equipment</li> <li>Carpet</li> <li>Other</li> <li>Quary tile</li> <li>Ves</li> <li>Other</li> <li>Other</li> <li>Other</li> <li>Other</li> <li>Staty Security equipment</li> <li>Staty Security equipment</li> <li>Staty Security equipment</li> <li>Carpet</li> <li>Veramic tile</li> <li>Verami</li></ul>	ter-nours use	165				<u> </u>
ther HAC equipment       • Other       • Other         umbing       • Resilient rubber       • · · ·         mestic water:       • Normaster locks       • Ceramic tile       • · · ·         Yes in #2       Normaster locks       • Sheet vinyl       · · · ·       • · · · · · · · · · · · · · · · · · · ·	vironmental Conditions		•			$\checkmark$
arrequirements:       Base:       -			•			
umbing         pmestic water:         Hot       Yes in #2         Access control         Other Safety/security equipment         or requirements:         • <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
umbing       Safety/Security       Quary tile       - <t< td=""><td>•</td><td></td><td></td><td></td><td></td><td><math>\checkmark</math> <math>\checkmark</math></td></t<>	•					$\checkmark$ $\checkmark$
umbing       Safety/Security       Ouarry tile       7       1       <						
omestic water: Nonmaster locks   P Hot Yes in #2   Notrusion alarm system + Fluid applied flooring system   oor drain Yes in #2   Other safety/security equipment or requirements: • Other   or requirements: •   • Nonmaster locks • Other safety/security equipment or requirements: • Other safety/security equipment • VCT • Other safety is safety i	lumbing		Safetv/Security			
Cold oor drain ther plumbing equipment or requirements:     Access control     Other safety/security equipment or requirements:      ·     ·     Carpet     ·     ·     ·     ·     ·     ·     ·     Carpet     ·	omestic water:				Sheet vinyl	
Yes in #2       Other safety/security equipment or requirements:       Floors:         •       •       •	Hot	Yes in #2	Intrusion alarm system		<ul> <li>Fluid applied flooring system</li> </ul>	
<pre>or requirements:</pre>	Cold	Yes in #2	Access control		• Other	
Ceramic tile     Caramic tile     Quarry tile     Quarry tile     Quarry tile     VCT	oor drain	Yes in #2	Other safety/security equipment		Floors:	
Quarry tile     VCT     V	her plumbing equipment		or requirements:		Carpet	<u>✓</u>
VCT     V	r requirements:		•			
Sheet vinyl Fluid applied flooring system Other Other Geilings: Minimum ceiling height 9' 9' • Minimum ceiling height 9' • Operable window required Ves Operable window required • Wood • Wood • Wood • V	•					<u> </u>
<ul> <li>Fluid applied flooring system</li> <li>Other</li> <li>Other</li> <li>Ceilings: <ul> <li>Minimum ceiling height</li> <li>9'</li> <li>9'</li> <li>9'</li> <li>9'</li> </ul> </li> <li>Gypsum board - painted</li> <li>\$\screwthinksing \vertice{\vertice</li></ul>						
Other     Ceilings:     Minimum ceiling height     9'     9'     9'     Gypsum board - painted     ✓						
Ceilings:   • Minimum ceiling height   9'   • Gypsum board - painted   • Gypsum board - painted   • Lay-in acoustical   • Vindows:   • Other   • Windows/daylight into space required   Yes   • Operable window required   Yes   • Wood						
<ul> <li>Minimum ceiling height</li> <li>Gypsum board - painted</li> <li>Lay-in acoustical</li> <li>Other</li> <li>Windows:</li> <li>Operable window required</li> <li>Yes</li> <li>Yes<td></td><td></td><td></td><td></td><td></td><td></td></li></ul>						
• Gypsum board - painted ✓   • Lay-in acoustical ✓   • Other ✓   Windows: ✓   • Windows/daylight into space required Yes   • Operable window required Yes   Yes —   • Obors: ✓   • Wood ✓						
<ul> <li>Lay-in acoustical</li> <li>Other</li> <li>Windows:</li> <li>Windows/daylight into space required</li> <li>Operable window required</li> <li>Yes</li> <li>Yes</li> <li>Doors:</li> <li>Wood</li> <li>✓</li> </ul>						<u> </u>
Other     Other     Windows:     Windows/daylight into space required Yes     Operable window						
Windows:   • Windows/daylight into space required   • Operable window required   Yes   • Doors:   • Wood						<u> </u>
Windows/daylight into space required Yes     Operable window required Yes     Yes     Doors:     Wood     ✓ ✓ ✓						
Operable window required Yes						Vos
Doors:						
• Wood						
						<u> </u>

#### A15000 D-1 Grades 1 thru 8 Two-Bed Sleeping Rooms / Restroom Space Criteria

Structural Requirements Other structural requirements: • Signage Requirements Room identification sign Room number sign Other signage requirements:	Yes Yes	Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor.         2. Provide multi-level light switching.         3. Provide permanent task lighting at desks.
Fire Protection System Sprinklers: Semi-recessed Other fire protection equipment or requirements: •	Yes	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.
Program Activities 1. Sleeping and health needs for residents		Spatial Relationship Diagram Grades 1 thru 8 Two-Bed Sleeping Rooms / Restroom



### **D-2** Grades 1 thru 8 Three-Bed Sleeping Rooms / Restroom



#### 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

#### A15010

#### **Chapter A15: Dormitories**

A School Facilities Grad		"Yes" and "No" apply to all spaces # refers to Space Description designati		Fixed Furnishings/EquipmentTackboardQty	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #1
bace Description	For square footages, see space template	✓ indicates approved feature, system,	or material	<ul> <li>Casework:</li> <li>Solid plastic countertops</li> </ul>	Yes
Sleeping room	see space template	Acoustical Conditions		Undercounter drawers	<u>Yes</u>
Restroom (serves two sleep	ing rooms)	Speech privacy	Yes	Dressing bench	<u>Yes</u>
Restroom (serves two sleep	ing rooms)	Special acoustical treatment needed	No	Other	
			INU		
		Musical performance/singing/	N .	Other furnishings/millwork/	
		cheering expected	No	equipment or requirements:	
				Toilet partitions	<u>Yes</u>
		Electrical/Lighting		• Mirror	<u>Yes</u>
		Lighting requirements:		<ul> <li>Toilet paper dispenser</li> </ul>	<u>Yes</u>
		<ul> <li>Automatic lighting controls</li> </ul>	Yes	•	
		<ul> <li>Multi-level switched</li> </ul>	Yes		
		<ul> <li>Specialty/task lighting</li> </ul>	Yes		
		Other electrical/lighting equipment			
		or requirements:			
		•			
ily Occupancy Use		<b>Communications/IT Requirements</b>		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #1
hrs. (7:30 a.m5:00 p.m.)		CATV outlet (coax + Cat 6)	Yes in #1	Walls:	
e days a week	Yes	Wireless access point outlet (2-port)	Req. coverage	<ul> <li>CMU - painted</li> </ul>	<u>✓ ✓</u>
r-hours use	Yes	Other communications/IT equipment		<ul> <li>CMU - ground face, integral color</li> </ul>	$\checkmark$ $\checkmark$ $         -$
		or requirements:		<ul> <li>Impact-resistant gypsum board -</li> </ul>	
vironmental Conditions		•		painted or vinyl covered	$\checkmark$ $\checkmark$
er HVAC equipment				• Other	
requirements:				Base:	
				Resilient rubber	$\checkmark$ $\checkmark$
				Ceramic tile	
Imbing		Safety/Security		Quarry tile	
mestic water:		Nonmaster locks		Sheet vinyl	
Hot	Yes in #2	Intrusion alarm system		<ul> <li>Fluid applied flooring system</li> </ul>	
Cold	Yes in #2	Access control		• Other	
or drain	Yes in #2	Other safety/security equipment		Floors:	
er plumbing equipment		or requirements:		• Carpet	<u> </u>
requirements:		•		Ceramic tile	
				Quarry tile	
				• VCT	
				<ul> <li>Sheet vinyl</li> </ul>	<u> </u>
				<ul> <li>Fluid applied flooring system</li> </ul>	<u> </u>
				Other	
				Ceilings:	
				<ul> <li>Minimum ceiling height</li> </ul>	9' 9'
				<ul> <li>Gypsum board - painted</li> </ul>	
				<ul> <li>Lay-in acoustical</li> </ul>	
				• Other	
				Windows:	
				<ul> <li>Windows/daylight into space required</li> </ul>	Yes
				<ul> <li>Operable window required</li> </ul>	Yes
				Doors:	
				Wood	<u>√</u> √
				Other	

#### D-2 Grades 1 thru 8 Three-Bed Sleeping Rooms / Restroom Space Criteria

#### A15010 D-2 Grades 1 thru 8 Three-Bed Sleeping Rooms / Restroom Space Criteria

Structural Requirements Other structural requirements		Notes         Electrical:         1. Provide wall switch type occupancy sensor.         2. Provide multi-level light switching.         3. Provide permanent task lighting at desks.
Room identification sign Room number sign Other signage requirements:	Yes Yes	
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements:	Yes	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.
Program Activities 1. Sleeping and health needs for residents		Spatial Relationship Diagram Grades 1 thru 8 Three-Bed Sleeping Rooms / Restroom



# **D-3** Grades 1 thru 8 Four-Bed Sleeping Rooms / Restroom



#### 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

#### A15020

D-3 Grades 1 thru 8 Four-Bed Sleeping Rooms / Restroom Space Criteria

#### **Chapter A15: Dormitories**

BIA School Facilities Grades 1-8 Dorm Room for 4		"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
		# refers to Space Description designation			1
pace Description	For square footages,	$\checkmark$ indicates approved feature, system,	or material	Casework:	
	see space template			<ul> <li>Solid plastic countertops</li> </ul>	<u>Yes</u>
Sleeping room		Acoustical Conditions		<ul> <li>Undercounter drawers</li> </ul>	Yes
Restroom (serves two sleep	ing rooms)	Speech privacy	Yes	<ul> <li>Dressing bench</li> </ul>	<u>Yes</u>
		Special acoustical treatment needed	No	Other	
		Musical performance/singing/		Other furnishings/millwork/	
		cheering expected	No	equipment or requirements:	
				<ul> <li>Toilet partitions</li> </ul>	Yes
		Electrical/Lighting		Mirror	Yes
		Lighting requirements:		<ul> <li>Toilet paper dispenser</li> </ul>	Yes
		<ul> <li>Automatic lighting controls</li> </ul>	Yes	•	
		<ul> <li>Multi-level switched</li> </ul>	Yes		
		<ul> <li>Specialty/task lighting</li> </ul>	Yes		
		Other electrical/lighting equipment			
		or requirements:			
		•			
		-			
ily Occupancy Use		Communications/IT Requirements		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
hrs. (7:30 a.m.–5:00 p.m.)		CATV outlet (coax + Cat 6)	Yes in #1	Walls:	
e days a week	Yes	Wireless access point outlet (2-port)	Req. coverage	CMU - painted	$\checkmark$
er-hours use	Yes	Other communications/IT equipment	rteq. coverage	CMU - ground face, integral color	
	163	or requirements:		<ul> <li>Impact-resistant gypsum board -</li> </ul>	<u> </u>
vironmental Conditions		•		painted or vinyl covered	
her HVAC equipment		•		Other	<u> </u>
				Base:	
r requirements:				Resilient rubber	
				Ceramic tile	
Imbing		Safety/Security		Quarry tile	
mestic water:		Nonmaster locks		Sheet vinyl	
Hot	Yes in #2	Intrusion alarm system		<ul> <li>Fluid applied flooring system</li> </ul>	<u> </u>
Cold	Yes in #2	Access control		Other	
or drain	Yes in #2	Other safety/security equipment		Floors:	
er plumbing equipment		or requirements:		<ul> <li>Carpet</li> </ul>	<u>√</u>
requirements:		•		<ul> <li>Ceramic tile</li> </ul>	$\checkmark$
				<ul> <li>Quarry tile</li> </ul>	
				• VCT	$\checkmark$ $\checkmark$ $         -$
				<ul> <li>Sheet vinyl</li> </ul>	
				<ul> <li>Fluid applied flooring system</li> </ul>	
				Other	
				Ceilings:	
				<ul> <li>Minimum ceiling height</li> </ul>	9' 9'
				<ul> <li>Gypsum board - painted</li> </ul>	
				Lay-in acoustical	
				• Other	
				Windows:	
				<ul> <li>Windows/daylight into space required</li> </ul>	Voc
				<ul> <li>Windows/daylight into space required</li> <li>Operable window required</li> </ul>	Yes
				• Operable window required Doors:	
				Wood     Other	<u> </u>

A15020-3

#### A15020 D-3 Grades 1 thru 8 Four-Bed Sleeping Rooms / Restroom Space Criteria

Structural Requirements Other structural requirements: • Signage Requirements Room identification sign Room number sign Other signage requirements: •	Yes Yes	Notes         Electrical:         1. Provide wall switch type occupancy sensor.         2. Provide multi-level light switching.         3. Provide permanent task lighting at desks.
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements: •	Yes	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.
Program Activities 1. Sleeping and health needs for resid	dents	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

A15030

D-4 Grades 9 thru 12 Two-Bed Sleeping Rooms / Restroom Space Criteria

#### Chapter A15: Dormitories

A School Facilities Grade	S 5-12 Donin Koolin for Z	"Yes" and "No" apply to all spaces # refers to Space Description designat	ion	Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 # / 1	0 #/ #0 #9 #10 #1
pace Description	For square footages, see space template	✓ indicates approved feature, system,		Casework:     Solid plastic countertops	Yes	
Sleeping room		Acoustical Conditions		<ul> <li>Undercounter drawers</li> </ul>	Yes	
Restroom (serves two sleep	oing rooms)	Speech privacy	Yes	Other		
· · · ·	<i>,</i>	Special acoustical treatment needed	No	Other furnishings/millwork/		
		Musical performance/singing/		equipment or requirements:		
		cheering expected	No	<ul> <li>Toilet partitions</li> </ul>	Yes	
		0		Mirror	Yes	
		Electrical/Lighting		<ul> <li>Toilet paper dispenser</li> </ul>	Yes	
		Lighting requirements:		•		
		<ul> <li>Automatic lighting controls</li> </ul>	Yes			
		<ul> <li>Multi-level switched</li> </ul>	Yes			
		<ul> <li>Specialty/task lighting</li> </ul>	Yes			
		Other electrical/lighting equipment				
		or requirements:				
		•				
ily Occupancy Use		Communications/IT Requirements		Interior Finishes	#1 #2 #3 #4 #5 #	6 #7 #8 #9 #10 #
hrs. (7:30 a.m5:00 p.m.)		CATV outlet (coax + Cat 6)	Yes in #1	Walls:		
/e days a week	Yes	Wireless access point outlet (2-port)	Req. coverage	<ul> <li>CMU - painted</li> </ul>	<u>✓ ✓</u>	
er-hours use	Yes	Other communications/IT equipment		<ul> <li>CMU - ground face, integral color</li> </ul>	$\checkmark$ $\checkmark$	
		or requirements:		<ul> <li>Impact-resistant gypsum board -</li> </ul>		
vironmental Conditions		•		painted or vinyl covered	<u>✓ ✓</u>	
er HVAC equipment				Other		
requirements:				Base:		
				<ul> <li>Resilient rubber</li> </ul>	<u>✓ ✓</u>	
				Ceramic tile	✓	
mbing		Safety/Security		<ul> <li>Quarry tile</li> </ul>	✓	
nestic water:		Nonmaster locks		<ul> <li>Sheet vinyl</li> </ul>	$\checkmark$ $\checkmark$	
Hot	Yes in #2	Intrusion alarm system		<ul> <li>Fluid applied flooring system</li> </ul>		
Cold	Yes in #2	Access control		Other		
or drain	Yes in #2	Other safety/security equipment		Floors:		
er plumbing equipment		or requirements:		Carpet	<u>✓</u>	
requirements:		•		Ceramic tile	✓	
				<ul> <li>Quarry tile</li> </ul>	<u>√</u>	
				• VCT	$\checkmark$ $\checkmark$	
				<ul> <li>Sheet vinyl</li> </ul>	<u>✓ ✓ </u>	
				<ul> <li>Fluid applied flooring system</li> </ul>	<u>√</u>	
				Other		
				Ceilings:		
				<ul> <li>Minimum ceiling height</li> </ul>	9' 9'	
				<ul> <li>Gypsum board - painted</li> </ul>	<u>✓</u> <u>✓</u>	
				<ul> <li>Lay-in acoustical</li> </ul>	✓ ✓ <u> </u>	
				Other		
				Windows:		
				<ul> <li>Windows/daylight into space required</li> </ul>		
				<ul> <li>Operable window required</li> </ul>	d <u>Yes</u>	
				Operable window required     Doors:		
				<ul> <li>Operable window required</li> </ul>		

#### A15030 D-4 Grades 9 thru 12 Two-Bed Sleeping Rooms / Restroom Space Criteria

Structural Requirements Other structural requirements  Signage Requirements		Notes         Electrical:         1. Provide wall switch type occupancy sensor.         2. Provide multi-level light switching.         3. Provide permanent task lighting at desks.
Room identification sign Room number sign Other signage requirements:	Yes Yes	
Fire Protection System Sprinklers: Semi-recessed Other fire protection equipment or requirements:	Yes	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.
Program Activities 1. Sleeping and health needs for residents		Spatial Relationship Diagram Grades 9 thru 12 Two-Bed Sleeping Rooms / Restroom



# D-5 Grades 9 thru 12 Three-Bed Sleeping Rooms / Restroom



#### 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 Grade	es 9-12 Dorm Room for 3	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment		#7 #8 #9 #10 #11 #1
		# refers to Space Description designati		Tackboard Qty	<u> </u>	
Space Description	For square footages,	<ul> <li>✓ indicates approved feature, system,</li> </ul>	or material	Casework:	Yee	
	see space template			Solid plastic countertops		
1. Sleeping room		Acoustical Conditions	Ň	Undercounter drawers	Yes	
2. Restroom (serves two sleep	ping rooms)	Speech privacy	Yes	Dressing bench	Yes	
		Special acoustical treatment needed	No	Other		
		Musical performance/singing/		Other furnishings/millwork/		
		cheering expected	No	equipment or requirements:		
				<ul> <li>Toilet partitions</li> </ul>	Yes	
		Electrical/Lighting		Mirror	Yes	
		Lighting requirements:		<ul> <li>Toilet paper dispenser</li> </ul>	Yes	
		<ul> <li>Automatic lighting controls</li> </ul>	Yes	•		
		Multi-level switched	Yes			
		<ul> <li>Specialty/task lighting</li> </ul>	Yes			
		Other electrical/lighting equipment				
		or requirements:				
		•				
Daily Occupancy Use		Communications/IT Requirements		Interior Finishes	#1 #2 #3 #4 #5 #6	#7 #8 #9 #10 #11 #1
).5 hrs. (7:30 a.m.–5:00 p.m.)		CATV outlet (coax + Cat 6)	Yes in #1	Walls:		
five days a week	Yes	Wireless access point outlet (2-port)	Req. coverage	CMU - painted	$\checkmark$ $\checkmark$	
After-hours use	Yes	Other communications/IT equipment	ried. corolage	• CMU - ground face, integral color		
	103	or requirements:		<ul> <li>Impact-resistant gypsum board -</li> </ul>		
Environmental Conditions				painted or vinyl covered		
Other HVAC equipment		•		Other	<u> </u>	
or requirements:				Base:		
•				Resilient rubber	<u> </u>	
				Ceramic tile		
Plumbing		Safety/Security		<ul> <li>Quarry tile</li> </ul>	<u> </u>	
Domestic water:		Nonmaster locks		<ul> <li>Sheet vinyl</li> </ul>	<u> </u>	
• Hot	Yes in #2	Intrusion alarm system		<ul> <li>Fluid applied flooring system</li> </ul>		
Cold	Yes in #2	Access control		Other		
Floor drain	Yes in #2	Other safety/security equipment		Floors:		
Other plumbing equipment		or requirements:		Carpet	$\checkmark$	
or requirements:		•		Ceramic tile		
•				<ul> <li>Quarry tile</li> </ul>	<u> </u>	
				• VCT	$\overline{\checkmark}$	
				Sheet vinyl	<u>√</u> <u>√</u> <u></u>	
				<ul> <li>Fluid applied flooring system</li> </ul>		
				Other		
				Ceilings:		
				<ul> <li>Minimum ceiling height</li> </ul>	0' 0'	
					<u> </u>	
				<ul> <li>Gypsum board - painted</li> </ul>		
				Lay-in acoustical	<u> </u>	
				• Other		
				Windows:		
				<ul> <li>Windows/daylight into space required</li> </ul>		
				<ul> <li>Operable window required</li> </ul>	Yes	
				Doors:		
				• Wood	$\checkmark$ $\checkmark$	
				• Other		
				• Ould		

A15040

### D-5 Grades 9 thru 12 Three-Bed Sleeping Rooms / Restroom Space Criteria

#### A15040 D-5 Grades 9 thru 12 Three-Bed Sleeping Rooms / Restroom Space Criteria

Structural Requirements Other structural requirements: • Signage Requirements Room identification sign Room number sign Other signage requirements: •	Yes Yes	Notes         Electrical:         1. Provide wall switch type occupancy sensor.         2. Provide multi-level light switching.         3. Provide permanent task lighting at desks.
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements: •	Yes	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.
Program Activities 1. Sleeping and health needs for resid	ents	Spatial Relationship Diagram Grades 9 thru 12 Three-Bed Sleeping Rooms / Restroom



### D-6 Grades 9 thru 12 Four-Bed Sleeping Rooms / Restroom



**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

A15050

D-6 Grades 9 thru 12 Four-Bed Sleeping Rooms / Restroom Space Criteria

#### Chapter A15: Dormitories

BIA School Facilities Grades	9-12 Dorm Room for 4	"Yes" and "No" apply to all spaces # refers to Space Description designati	ion	Fixed Furnishings/Equipment Tackboard Qty	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 1
Space Description	For square footages,	✓ indicates approved feature, system,	or material	Casework:	
	see space template			<ul> <li>Solid plastic countertops</li> </ul>	<u>Yes</u>
Sleeping room		Acoustical Conditions		<ul> <li>Undercounter drawers</li> </ul>	Yes
Restroom (serves two sleepi	ng rooms)	Speech privacy	Yes	<ul> <li>Dressing bench</li> </ul>	<u>Yes</u>
		Special acoustical treatment needed	No	Other	
		Musical performance/singing/		Other furnishings/millwork/	
		cheering expected	No	equipment or requirements:	
		<b>U</b> .		<ul> <li>Toilet partitions</li> </ul>	Yes
		Electrical/Lighting		Mirror	Yes
		Lighting requirements:		Toilet paper dispenser	<u>Yes</u>
		Automatic lighting controls	Yes		
		Multi-level switched	Yes	•	
			Yes		
		Specialty/task lighting	res		
		Other electrical/lighting equipment			
		or requirements:			
		•			
aily Occupancy Use		Communications/IT Requirements		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
5 hrs. (7:30 a.m.–5:00 p.m.)		CATV outlet (coax + Cat 6)	Yes in #1	Walls:	
ive days a week	Yes	Wireless access point outlet (2-port)	Req. coverage	<ul> <li>CMU - painted</li> </ul>	<u>✓ ✓ </u> <u> </u>
ter-hours use	Yes	Other communications/IT equipment		<ul> <li>CMU - ground face, integral color</li> </ul>	
		or requirements:		<ul> <li>Impact-resistant gypsum board -</li> </ul>	
nvironmental Conditions		•		painted or vinyl covered	$\checkmark$ $\checkmark$
ther HVAC equipment				• Other	
or requirements:				Base:	
				Resilient rubber	$\checkmark$ $\checkmark$
				Ceramic tile	
lumbing		Safety/Security		Quarry tile	
omestic water:		Nonmaster locks		Sheet vinyl	
Hot	Yes in #2	Intrusion alarm system		<ul> <li>Fluid applied flooring system</li> </ul>	
					<b>`</b>
• Cold	Yes in #2	Access control		• Other	
oor drain	Yes in #2	Other safety/security equipment		Floors:	
ther plumbing equipment		or requirements:		• Carpet	<u> </u>
or requirements:		•		Ceramic tile	
•				<ul> <li>Quarry tile</li> </ul>	<u> </u>
				• VCT	
				<ul> <li>Sheet vinyl</li> </ul>	<u>✓ ✓ </u> <u> </u>
				<ul> <li>Fluid applied flooring system</li> </ul>	
				Other	
				Ceilings:	
				<ul> <li>Minimum ceiling height</li> </ul>	9' 9'
				Gypsum board - painted	
				Spean searce puntou	
				I av-in acoustical	
				Lay-in acoustical     Other	
				• Other	
				• Other Windows:	
				Other     Windows:     Windows/daylight into space required	
				<ul> <li>Other</li> <li>Windows:</li> <li>Windows/daylight into space required</li> <li>Operable window required</li> </ul>	
				<ul> <li>Other</li> <li>Windows:</li> <li>Windows/daylight into space required</li> <li>Operable window required</li> <li>Doors:</li> </ul>	Yes
				<ul> <li>Other</li> <li>Windows:</li> <li>Windows/daylight into space required</li> <li>Operable window required</li> </ul>	

#### A15050 D-6 Grades 9 thru 12 Four-Bed Sleeping Rooms / Restroom Space Criteria

Structural Requirements Other structural requirements: • Signage Requirements Room identification sign Room number sign Other signage requirements: •	Yes Yes	Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor.         2. Provide multi-level light switching.         3. Provide permanent task lighting at desks.
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements:	Yes	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.
Program Activities 1. Sleeping and health needs for reside	ents	Spatial Relationship Diagram Grades 9 thru 12 Four-Bed Sleeping Rooms / Restroom



# **D-7 Isolation Health Care Sleeping Room / Restroom**



#### 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.

Sleeping Room & Restroom

CAPACITY: 2 students

300 s.f.

#### Key Notes:

SIZE:

- 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

# 1 FLOOR PLAN ARCHITECTURAL AND INTERIORS KEY NOTES

#### A15060

D-7 Isolation Health Care Sleeping Room / Restroom Space Criteria

#### **Chapter A15: Dormitories**

	Health Care Room	"Yes" and "No" apply to all spaces # refers to Space Description designati		Fixed Furnishings/Equipment Casework:	#1 #2 #3 #4 #5 #6 #	<del>7 #8</del> #9 #10 #11
Space Description	For square footages, see space template	✓ indicates approved feature, system,	or material	<ul> <li>Solid plastic countertops</li> <li>Undercounter drawers</li> </ul>	<u>Yes</u>	· ·
1. Isolation health care sleeping roo		Acoustical Conditions		Other		
2. Restroom		Speech privacy	Yes	Other furnishings/millwork/		
		Special acoustical treatment needed	No	equipment or requirements:		
		Musical performance/singing/		<ul> <li>Toilet partitions</li> </ul>	Yes	
		cheering expected	No	Grab bars	Yes	
				Mirror	Yes	
		Electrical/Lighting		<ul> <li>Toilet paper dispenser</li> </ul>	Yes	
		Lighting requirements:		• Other		
		<ul> <li>Automatic lighting controls</li> </ul>	Yes in #2			
		<ul> <li>Multi-level switched</li> </ul>	Yes in #1			
		<ul> <li>Specialty/task lighting</li> </ul>	Yes in #1			
		Other electrical/lighting equipment				
		or requirements:				
		•				
Daily Occupancy Use		Communications/IT Requirements		Interior Finishes	#1 #2 #3 #4 #5 #6 #	¥7 #8 #9 #10 #11
9.5 hrs. (7:30 a.m.–5:00 p.m.)		CATV outlet (coax + Cat 6)	Yes in #1	Walls:		
five days a week	Yes	Wireless access point outlet (2-port)	Req. coverage	<ul> <li>CMU - painted</li> </ul>	<u> </u>	
After-hours use	Yes	Other communications/IT equipment		<ul> <li>CMU - ground face, integral color</li> </ul>		
		or requirements:		<ul> <li>Impact-resistant gypsum board -</li> </ul>		
Environmental Conditions		•		painted or vinyl covered	<u> </u>	<u> </u>
Air pressure (balanced is assumed				• Other		
<ul> <li>Negative</li> <li>Special zoning: isolate air from</li> </ul>	Yes			Base: • Resilient rubber		
neighbors	Yes			Ceramic tile	<u> </u>	· ·
Other HVAC equipment	165			Quarry tile		
or requirements:				Sheet vinyl		
•				<ul> <li>Fluid applied flooring system</li> </ul>		
-				Other		
Plumbing		Safety/Security		Floors:		
Domestic water:		Nonmaster locks		Carpet	$\checkmark$	
• Hot	Yes in #2	Intrusion alarm system		Ceramic tile		
• Cold	Yes in #2	Access control		<ul> <li>Quarry tile</li> </ul>		
Floor drain	Yes in #2	Other safety/security equipment		• VCT		
Other plumbing equipment		or requirements:		<ul> <li>Sheet vinyl</li> </ul>	<u> </u>	
or requirements:		•		<ul> <li>Fluid applied flooring system</li> </ul>		
<ul> <li>Handicapped shower unit w/cor</li> </ul>	trols Yes in #2			• Other		
•				Ceilings:		
				Minimum ceiling height	<u> </u>	<u> </u>
				Gypsum board - painted		
				<ul> <li>Lay-in acoustical</li> <li>Other</li> </ul>	<u> </u>	
				Other     Windows:		
				<ul> <li>Windows:</li> <li>Windows/daylight into space required</li> </ul>	Ves	
				<ul> <li>Windows/daylight into space required</li> <li>Operable window required</li> </ul>	Yes	<u> </u>
				• Operable window required Doors:		
				• Wood	$\checkmark$	
				- 11000	· ·	

A15060 D-7 Isolation Health Care Sleeping Room / Restroom Space Criteria

> B-11 LIMING ROOM

D-16 & 17 STORAGE



D-15 AGTIMITY ROOM

# **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



0

#### A15070 **D-8 Dormitory Administrative Area Space Criteria**

	m Administrative Area	"Yes" and "No" apply to all spaces # refers to Space Description designatio		Fixed Furnishings/Equipment Casework:	#1	#2 #				#9 #10 #11	1 #1
pace Description	For square footages,	✓ indicates approved feature, system, of	or material	<ul> <li>16" deep adjustable shelves</li> </ul>		Y	es				
	see space template			Reception counter	Yes						
Reception		Acoustical Conditions		• Other							
Dorm secretary office		Speech privacy	Yes in #2,4,5	Other furnishings/millwork/							
Records storage		Special acoustical treatment needed	No	equipment or requirements:							
Home living specialist office		Musical performance/singing/		•							
Conference room		cheering expected	No								
		Electrical/Lighting									
		Power outlet minimum number	Yes								
		Lighting requirements:									
		<ul> <li>Automatic lighting controls</li> </ul>	Yes								
		<ul> <li>Multi-level switched</li> </ul>	Yes								
		Other electrical/lighting equipment									
		or requirements:									
		•									
ily Occupancy Use		Communications/IT Requirements		Interior Finishes	#1	#2 #	3 #4	#5 #6	#7 #8	#9 #10 #11	1 #
5 hrs. (7:30 a.m.–5:00 p.m.)		Communications outlet (2-port) -standar	Yes in #1,2,4,5	Walls:							
ve days a week	Yes	Wireless access point outlet (2-port)	Req. coverage	<ul> <li>CMU - painted</li> </ul>	✓	<u>√</u>	<u>∕</u>	✓			
ter-hours use	Yes	Clock	Yes in #1	<ul> <li>Standard gypsum board -</li> </ul>							
		Other communications/IT equipment		painted or vinyl covered	✓	✓ ·	/ _ ∕	✓			
vironmental Conditions		or requirements:		Other							
her HVAC equipment		•		Base:							
or requirements:				<ul> <li>Resilient rubber</li> </ul>	✓	<u>√</u>	<u> </u>	✓			
1				Other							
				Floors:							
umbing		Safety/Security		Carpet	✓		/ √				
her plumbing equipment		Nonmaster locks		• VCT	✓	<ul> <li>✓</li> </ul>	<u> </u>	✓			
r requirements:		Intrusion alarm system		Other							
•		Access control		Ceilings:							
		Other safety/security equipment		<ul> <li>Minimum ceiling height</li> </ul>	9'	9' 9	<u>9'</u> 9' ∕√	9'			
		or requirements:		<ul> <li>Lay-in acoustical</li> </ul>	✓	<u> </u>	<u> </u>	✓			
		•		Other							
				Windows:							
				Windows/daylight into space required	۱ <u> </u>			s Yes			
				Operable window required			Ye	s Yes			
				<ul> <li>Interior borrowed light window</li> </ul>		Yes					
				Doors:	,	,	, .	,			
				• Wood	✓	<u>√</u>	<u> </u>	✓			
				Other							

#### A15070 D-8 Dormitory Administrative Area Space Criteria

#### **Chapter A15: Dormitories**

Structural Requirements Other structural requirements:		Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor. 2. Provide a minimum of one receptacle for each computer station (typical). Circuit shall serve computers only.
Signage Requirements Room identification sign Room number sign Other signage requirements:	Yes Yes	
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements:	Yes	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
Program Activities 1. Space for administrative staff and sto 2. Space for private meetings with reside		Spatial Relationship Diagram Dormitory Administrative Area



**D-9** 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

#### A15080 **D-9 Counseling Office Space Criteria**

BIA School Facilities Space Description	Counseling Office For square footages, see space template	"Yes" and "No" apply to all spaces # refers to Space Description designation ✓ indicates approved feature, system, or material	Fixed Furnishings/Equipment Casework: • Other Other furnishings/millwork/	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
1. Counseling office		Acoustical Conditions         Speech privacy       Yes         Special acoustical treatment needed       No         Musical performance/singing/ cheering expected       No         Electrical/Lighting       No         Power outlet minimum number       Yes         Lighting requirements:       Automatic lighting controls       Yes         • Multi-level switched       Yes         Other electrical/lighting equipment       or requirements:	equipment or requirements:	
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Other HVAC equipment or requirements:	Yes Yes	Communications/IT Requirements     Communications outlet (2-port) -standar     Vireless access point outlet (2-port)     Req. cove     Other communications/IT equipment     or requirements:     •	<ul> <li>Standard gypsum board - painted or vinyl covered</li> <li>Other</li> <li>Base:         <ul> <li>Resilient rubber</li> <li>Other</li> </ul> </li> </ul>	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12
Plumbing Other plumbing equipment or requirements: •		Safety/Security Nonmaster locks Intrusion alarm system Access control Other safety/security equipment or requirements:	Floors: • Carpet • Other Ceilings: • Minimum ceiling height • Lay-in acoustical • Other Windows: • Windows/daylight into space required • Operable window required	$ \begin{array}{c}                                     $

Doors: Wood Other

#### **Chapter A15: Dormitories**

**BIA School Facilities Space Templates** March 30, 2007

Structural Requirements Other structural requirements: • Signage Requirements Room identification sign Room number sign Other signage requirements:	Yes Yes	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.
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements:	Yes	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
Program Activities 1. Space for student counseling		Spatial Relationship Diagram Counseling Office


# **D-10 IRG Counseling Office**



- 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

A15090

# **Chapter A15: Dormitories**

# D-10 Intensive Residential Guidance (IRG) Counseling Office Space Criteria

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       Yes         Power outlet minimum number       Yes         Lighting requirements:       Yes         • Automatic lighting controls       Yes         • Multi-level switched       Yes         Other electrical/lighting equipment or requirements:       •	Fixed Furnishings/Equipment Casework: • Other Other furnishings/millwork/ equipment or requirements: •	<u>#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12</u>
Daily Occupancy Use         9.5 hrs. (7:30 a.m5:00 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	Interior Finishes Walls: • CMU - painted • Standard gypsum board - painted or vinyl covered • Other Base: • Resilient rubber • Other Floors: • Carpet • Other Ceilings: • Minimum ceiling height • Lay-in acoustical • Other	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12
	•	<ul> <li>Other</li> <li>Windows:</li> <li>Windows/daylight into space required</li> <li>Operable window required</li> <li>Doors: <ul> <li>Wood</li> <li>Other</li> </ul> </li> </ul>	yes

# A15090 D-10 Intensive Residential Guidance (IRG) Counseling Office Space Criteria

Structural Requirements Other structural requirements: • Signage Requirements Room identification sign Room number sign Other sign	Yes Yes	Notes <u>Electrical:</u> 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.						
Other signage requirements:	Yes	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						
Program Activities 1. Space for IRG student counseling		Spatial Relationship Diagram Intensive Residential Guidance Counseling Office						
		DORMITORY MAIN ENTRY Def BLEEPMOROOMS BLEEPMOROOMS B-1TOO B-1TOO B-1TO						
		D-13 PRACTICALARCIS D-16 & 17 STORAGE D-16 & 17 STORAGE D-16 & 17 ROOM D-16 & 17 B-11 LVING ROOM D-16 & 17 STORAGE D-16 & 17						

**D-11 Living Room** 





- 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

<b>BIA School Facilities</b>	Living Room	"Yes" and "No" apply to all spaces		Fixed Furnishings/Equipment	#1 #2 #3 #4 #	#5 #6 #7 #8 #9 #10 #11 #12
		# refers to Space Description designat	ion	Marker board Qty	ty 1	
Space Description	For square footages, see space template	✓ indicates approved feature, system,	or material	Tackboard (4'-0")QtyOverhead projection screenQty	ty <u>2</u>	
1. Living room	ooo opaco templato	Acoustical Conditions		TV with wall mounting bracket Qty		
		Speech privacy	No	Casework:		
		Special acoustical treatment needed	No	Plastic laminate base cabinets	Yes	
		Musical performance/singing/	N	Plastic laminate countertops	Yes	
		cheering expected	Yes	<ul> <li>Plastic laminate upper cabinets</li> <li>Locks</li> </ul>	Yes	
		Electrical/Lighting		• Other	165	
		Lighting requirements:		Other furnishings/millwork/		
		<ul> <li>Automatic lighting controls</li> </ul>	Yes	equipment or requirements:		
		<ul> <li>Area lighting in banks</li> </ul>	Yes	•		
		<ul> <li>Multi-level switched</li> </ul>	Yes			
		<ul> <li>Emergency lighting</li> </ul>	Yes			
		Other electrical/lighting equipment				
		or requirements:				
		•				
Daily Occupancy Use 9.5 hrs. (7:30 a.m5:00 p.m.)		Communications/IT Requirements		Interior Finishes Walls:	#1 #2 #3 #4 #	#5 #6 #7 #8 #9 #10 #11 #12
five days a week	Yes	CATV outlet (coax + Cat 6)	Yes	• CMU - painted	$\checkmark$	
After-hours use	Yes	Wireless access point outlet (2-port)	Req. coverage	<ul> <li>CMU - ground face, integral color</li> </ul>	· · · · · · · · · · · · · · · · · · ·	
	105	Other communications/IT equipment	rteq. coverage	<ul> <li>Standard gypsum board - painted</li> </ul>	<u> </u>	
<b>Environmental Conditions</b>		or requirements:		or vinyl covered	$\checkmark$	
Other HVAC equipment		•		• Other		
or requirements:				Base:		
•				<ul> <li>Resilient rubber</li> </ul>	✓	
				<ul> <li>Sheet vinyl</li> </ul>	<u>✓</u>	
Plumbing		Safety/Security		Other		
Other plumbing equipment		Nonmaster locks		Floors:	,	
or requirements:		Intrusion alarm system		• Carpet	<u> </u>	
•		Access control Other safety/security equipment		VCT     Sheet visual	<u> </u>	
		or requirements:		<ul><li>Sheet vinyl</li><li>Other</li></ul>	<u> </u>	
		•		Ceilings:		
		•		<ul> <li>Minimum ceiling height</li> </ul>	10'	
				<ul> <li>Gypsum board - painted</li> </ul>	<u>√</u>	
				Lay-in acoustical	✓	
				• Other		
				Windows:		
				<ul> <li>Windows/daylight into space required</li> </ul>		
				<ul> <li>Operable window required</li> </ul>	Yes	
				Doors:	N.	
				• Wood	Yes	
				Hollow metal (exterior)	Yes	
				<ul> <li>With glazed lites</li> <li>Exterior door required</li> </ul>	Yes	
				Exterior door required     Other	162	

# A15100 D-11 Living Room Space Criteria

Other structural requirements:		Electrical:
•		<ol> <li>Provide automatic shut-off via building management system time clock.</li> </ol>
		2. Provide multi-level light switching.
Signage Requirements		3. Provide emergency light near doors.
Room identification sign	Yes	4. Provide zone lighting control for audience and stage or video viewing areas.
Room number sign	Yes	5. Provide a receptacle mounted at +7'-0" for television.
Occupancy limit	Yes	
Other signage requirements:		-
•		

#### Sprinklers:

Semi-recessed

Other fire protection equipment

or requirements:

•

#### **Program Activities**

1. Social gathering place and television lounge for residents

Yes

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. 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

# A15110 D-12 Activity Room Space Criteria

BIA School Facilities	Activity Room	"Yes" and "No" apply to all spaces # refers to Space Description designation		Fixed Furnishings/Equipment	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
nees Description	<b>F</b>			Casework:	
pace Description	For square footages,	$\checkmark$ indicates approved feature, system,	or material	• Other	
	see space template			Other furnishings/millwork/	
. Activity room		Acoustical Conditions		equipment or requirements:	
		Speech privacy	No	Basketball goals	Yes
		Special acoustical treatment needed	Yes	Wall padding	Yes
		Musical performance/singing/		<ul> <li>Center divider curtain</li> </ul>	Yes
		cheering expected	Yes	<ul> <li>Volleyball sleeves</li> </ul>	Yes
				<ul> <li>Basketball and volleyball court</li> </ul>	
		Electrical/Lighting		markings	Yes
		Lighting requirements:			
		<ul> <li>Automatic lighting controls</li> </ul>	Yes		
		<ul> <li>Multi-level switched</li> </ul>	Yes		
		<ul> <li>Emergency lighting</li> </ul>	Yes		
		Other electrical/lighting equipment			
		or requirements:			
		•			
aily Occupancy Use		Communications/IT Requirements		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11
5 hrs. (7:30 a.m.–5:00 p.m.)		Wireless access point outlet (2-port)	Req. coverage	Walls:	
ive days a week	Yes	Clock	Yes	<ul> <li>CMU - painted</li> </ul>	<u>✓</u>
fter-hours use	Yes	Other communications/IT equipment		<ul> <li>CMU - ground face, integral color</li> </ul>	✓
		or requirements:		Other	
nvironmental Conditions		•		Base:	
ir pressure (balanced is assume	d):			<ul> <li>Resilient rubber</li> </ul>	$\checkmark$
Negative	Yes			Other	
ther HVAC equipment				Floors:	
or requirements:				• VCT	$\checkmark$
•				• Wood	<u> </u>
				<ul> <li>Fluid applied flooring system</li> </ul>	<u></u>
				Other	
				Ceilings:	
lumbing		Safety/Security		<ul> <li>Minimum ceiling height (clear height)</li> </ul>	22'
ther plumbing equipment		Nonmaster locks		Exposed to structure - painted	
or requirements:		Intrusion alarm system		Other	<u> </u>
		Access control		Windows:	
-		Other safety/security equipment		Windows.     Windows/daylight into space	
				<ul> <li>windows/daylight into space (only if diffused daylight)</li> </ul>	
		or requirements:			<u>✓</u>
		•		Doors:	V
				• Wood	Yes
				Hollow metal (exterior)	<u>Yes</u>
				<ul> <li>With glazed lites</li> </ul>	Yes
				<ul> <li>Exterior door required</li> </ul>	Yes
				Special size	Yes

Other



# **D-13 Practical Arts Room**



- 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       F         Space Description         1. Practical arts room	Practical Arts Room For square footages, see space template	"Yes" and "No" apply to all spaces # refers to Space Description designatio ✓ indicates approved feature, system, of Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected Electrical/Lighting Lighting requirements: • Automatic lighting controls • Direct/indirect lighting		Tackboard (4'-0") Overhead projection screen	#1 Qty 1 Qty 2 Qty 1 Qty 1 Qty 1 Ye Ye Ye	
		<ul> <li>Multi-level switched</li> <li>Other electrical/lighting equipment or requirements:</li> </ul>	Yes	<ul> <li>Paper towel dispenser</li> </ul>	Ye	<u>s</u>
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Air pressure (balanced is assumed • Negative Other HVAC equipment or requirements: •	Yes Yes I): Yes	Communications/IT Requirements Communication outlet (2-port) -standard CATV outlet (coax + Cat 6) Wireless access point outlet (2-port) Other communications/IT equipment or requirements:	Yes Yes Req. coverage	Interior Finishes 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		#2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12
Plumbing Domestic water: • Hot • Cold Sinks: specialty type: SS large, deep, single Other plumbing equipment or requirements: •	Yes Yes Yes	Safety/Security Nonmaster locks Intrusion alarm system Access control Other safety/security equipment or requirements: •		<ul> <li>Sealed concrete</li> <li>Other</li> <li>Ceilings: <ul> <li>Minimum ceiling height</li> <li>Exposed to structure - painted</li> <li>Lay-in acoustical</li> <li>Other</li> </ul> </li> <li>Windows: <ul> <li>Windows/daylight into space requi</li> <li>Operable window required</li> <li>Interior borrowed light window</li> </ul> </li> <li>Doors: <ul> <li>Wood</li> <li>Hollow metal (exterior)</li> <li>With glazed lites</li> <li>Exterior door required</li> <li>Other</li> </ul> </li> </ul>	ired Yee Yee Yee Yee Yee Yee	

# A15120 D-13 Practical Arts Room Space Criteria

Structural Requirements Special suspended loading requirements: • Coordinate Unistrut hanging system from underside of structure Consider acoustic roof deck if no ceiling is provided Other structural requirements: •	Yes Yes	Notes <u>Electrical:</u> 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. <u>Fire Protection:</u> 1. Provide semi-recessed heads for spaces with ceilings.
Signage Requirements Room identification sign Room number sign Other signage requirements:	Yes Yes	Key Space Design and Relationship Concepts         1. Centrally located to dorm rooms         2. Adjacent to other resident activity spaces         3. Access to outdoors
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements: •	Yes	Spatial Relationship Diagram Practical Arts Room
Program Activities 1. Arts and crafts		



**D-14 Study Room** 



- 1. Loose furnishings shown represent one of many possible arrangements.
- 2. Exterior window locations may be modified.
- Configuration may change due to location and size requirements.
   Provide handicapped accessible computer stations as required by

CAPACITY: N/A

SIZE: See *BIE Educational Space Criteria Handbook* for size requirements.

#### Key Notes:

code.

- F1 Windows/daylight into space required
- F2 Plastic laminate countertop for computer workstations
- F3 Interior windows

# A15130 D-14 Study Room Space Criteria

<b>BIA School Facilities</b>	Study Room	"Yes" and "No" apply to all spaces # refers to Space Description designation	on	Fixed Furnishings/Equipment Casework:	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
Space Description	For square footages, see space template	✓ indicates approved feature, system,		<ul> <li>Plastic laminate countertops</li> <li>Other</li> </ul>	Yes
1. Study room	see space template	Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected	Yes No No	Other furnishings/millwork/ equipment or requirements:	
		Electrical/Lighting Power outlet minimum number Lighting requirements: • Automatic lighting controls • Direct/indirect lighting • Multi-level switched Other electrical/lighting equipment or requirements:	Yes Yes Yes Yes		
Daily Occupancy Use		•		Interior Finishes	#1 #2 #3 #4 #5 #6 #7 #8 #9 #10 #11 #12
9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week	Yes	Communications/IT Requirements Communication outlet (1-port per	Yes	<ul> <li>Walls:</li> <li>CMU - painted</li> </ul>	$\checkmark$
After-hours use	Yes	computer station)		<ul> <li>Standard gypsum board - painted</li> </ul>	
Environmental Conditions		Wireless access point outlet (2-port) Other communications/IT equipment	Req. coverage	or vinyl covered • Other	<u> </u>
Other HVAC equipment		or requirements:		Base:	
or requirements:		•		<ul> <li>Resilient rubber</li> </ul>	<u>✓</u>
•				<ul> <li>Sheet vinyl</li> </ul>	<u> </u>
				• Other	
Plumbing		Safety/Security		Floors:	,
Other plumbing equipment or requirements:		Nonmaster locks Intrusion alarm system		<ul> <li>Carpet</li> <li>VCT</li> </ul>	
or requirements.		Access control		Sheet vinyl	<u> </u>
•		Other safety/security equipment		Sealed concrete	<u>·</u>
		or requirements:		• Other	<u> </u>
		•		Ceilings:	
				Minimum ceiling height	9'0"
				Lay-in acoustical	✓
				• Other	
				Windows:	
				<ul> <li>Windows/daylight into space required</li> </ul>	
				<ul> <li>Operable window required</li> </ul>	Yes
				<ul> <li>Interior borrowed light window</li> </ul>	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:       •	Notes <u>Electrical:</u> 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.
Fire Protection System         Sprinklers:         • Semi-recessed       Yes         Other fire protection equipment or requirements:         •	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.
<ol> <li>Program Activities</li> <li>Student individual or group study.</li> <li>Computer stations not to exceed 1/9th of the total student design capacity.</li> </ol>	Spatial Relationship Diagram Study Room DORMITORY MAIN ENTRY



**D-15 Linen Storage** 





Configuration may change due to location and size requirements.
 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



# A15140 D-15 Linen Storage Space Criteria

BIA School Facilities Space Description 1. Linen storage	Linen Storage For square footages, see space template	"Yes" and "No" apply to all spaces # refers to Space Description designation ✓ indicates approved feature, system, o Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected Electrical/Lighting Lighting requirements: • Automatic lighting controls Other electrical/lighting equipment or requirements: •	Fixed Furnishings/Equipment Casework: • 16" deep plastic laminate shelving • Other Other furnishings/millwork/ equipment or requirements: •	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         Yes
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Other HVAC equipment or requirements: • Plumbing Other plumbing equipment or requirements: •	Yes 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: •	Interior Finishes 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 • Exposed to structure - painted • Gypsum board - painted • Lay-in acoustical • Other Doors: • Wood • Other	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         ✓       —       —       —       —       —       —       —       —       —       —       —       —       —       —       …

Structural Requirements Other structural requirements: • Signage Requirements	Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor. <u>Fire Protection:</u> 1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide protected exposed heads.
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:       •	Key Space Design and Relationship Concepts <ol> <li>Centrally located to dorm rooms.</li> <li>Space can be broken into several individual spaces to serve each dorm wing.</li> </ol>
Program Activities 1. Bulk storage of resident linen supplies	Spatial Relationship Diagram Linen Storage



**D-16 General Storage** 





# BIA School Facilities Space Templates March 30, 2007

#### 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

BIA School Facilities Space Description 1. General storage	General Storage For square footages, see space template	"Yes" and "No" apply to all spaces # refers to Space Description designation ✓ indicates approved feature, system, or match Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected Electrical/Lighting Lighting requirements: • Automatic lighting controls Other electrical/lighting equipment or requirements: •	aterial No No Yes	Fixed Furnishings/Equipment Casework: • 16" deep plastic laminate shelving • Other Other furnishings/millwork/ equipment or requirements: •	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         Yes
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Air pressure (balanced is assume • Negative Other HVAC equipment or requirements:	Yes Yes Yes	Communications/IT Requirements Other communications/IT equipment or requirements:		Interior Finishes Walls: • CMU - painted • Standard gypsum board - painted or vinyl covered • Other Base: • Resilient rubber • Sheet vinyl • Other	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12
<ul> <li>Plumbing</li> <li>Other plumbing equipment or requirements:</li> <li>•</li> </ul>		Safety/Security         Nonmaster locks         Intrusion alarm system         Access control         Other safety/security equipment or requirements:		Floors: • Carpet • VCT • Sheet vinyl • Sealed concrete • Other Ceilings: • Minimum ceiling height • Exposed to structure - painted • Gypsum board - painted • Lay-in acoustical • Other Doors: • Wood • Other	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Structural Requirements Other structural requirements  Signage Requirements	Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor. <u>Fire Protection:</u> 1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide protected exposed heads.
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:       •	Key Space Design and Relationship Concepts <ol> <li>Centrally located to dorm rooms.</li> <li>Space can be broken into several individual spaces to serve each dorm wing.</li> </ol>
Program Activities 1. Bulk storage of dorm furniture and supplies	Spatial Relationship Diagram General Storage



**D-17 Trunk Storage** 



Configuration may change due to location and size requirements.
 Shelving layout may be modified

CAPACITY: N/A SIZE: See *BIE Ed. Space Criteria Handbook* for size requirements.

#### Key Notes:

F1 Metal shelving



# A15160 D-17 Trunk Storage Space Criteria

BIA School Facilities Space Description 1. Trunk storage	Trunk Storage For square footages, see space template	Special acoustical treatment needed Musical performance/singing/ cheering expected  Electrical/Lighting Lighting requirements:	Fixed Furnishings/Equipment         Casework:         • Metal shelving         • Other         Other furnishings/millwork/         equipment or requirements:         No         •	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         Yes
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Air pressure (balanced is assume • Negative Other HVAC equipment or requirements:	Yes Yes d): Yes	Communications/IT Requirements Other communications/IT equipment or requirements:	Interior Finishes Walls: • CMU - painted • Standard gypsum board - painted or vinyl covered • Other Base: • Resilient rubber • Sheet vinyl • Other Floors:	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         ✓
Plumbing Other plumbing equipment or requirements: •		Safety/Security Nonmaster locks Intrusion alarm system Access control Other safety/security equipment or requirements: •	Carpet     VCT     Sheet vinyl     Sealed concrete     Other     Ceilings:     Minimum ceiling height     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:       •	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.
Fire Protection System         Sprinklers:         • Semi-recessed       Yes         • Protection       Yes         Other fire protection equipment         or requirements:	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. Bulk storage of student trunks and luggage	Spatial Relationship Diagram Trunk Storage



# **D-18 Laundry and Ironing Room**



- 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



Space Description	and Ironing Room For square footages, see space template	Special acoustical treatment needed Musical performance/singing/ cheering expected  Electrical/Lighting Specialty outlets/dedicated circuit Lighting requirements:	Casework:         • Plastic laminate countertops         • 16" deep adjustable shelving         • Other         No         Other furnishings/millwork/         equipment or requirements:         • Washers         • Dryers         • Ironing boards - wall mounted         •	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         Yes
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Air pressure (balanced is assumed): • Negative Other HVAC equipment or requirements: •	Yes Yes Yes	Communications/IT Requirements Other communications/IT equipment or requirements: •	Interior Finishes Walls: • CMU - painted • Standard gypsum board - painted or vinyl covered • Other Base: • Resilient rubber • Ceramic tile • Quarry tile • Sheet vinyl • Fluid applied flooring system	alls: CMU - painted
Plumbing Domestic water: • Hot • Cold Floor drain Sinks: specialty type: SS large, deep, dual Washer connection and drain Other plumbing equipment or requirements: •	Yes Yes Yes Yes	Safety/Security         Nonmaster locks         Intrusion alarm system         Access control         Other safety/security equipment         or requirements:	<ul> <li>Prind applied flooring system</li> <li>Other</li> <li>Floors: <ul> <li>Ceramic tile</li> <li>Quarry tile</li> <li>VCT</li> <li>Sheet vinyl</li> <li>Sealed concrete</li> <li>Fluid applied flooring system</li> <li>Other</li> </ul> </li> <li>Ceilings: <ul> <li>Minimum ceiling height</li> <li>Gypsum board - painted</li> <li>Lay-in acoustical</li> <li>Other</li> </ul> </li> <li>Doors: <ul> <li>Wood</li> <li>Other</li> </ul> </li> </ul>	✓       ✓         ✓       ✓

A15170

D-18 Laundry and Ironing Room Space Criteria




# **D-19** Custodial Closets



#### 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



# **Chapter A15:Dormitories**

# A15180 D-19 Custodial Closets Space Criteria

BIA School Facilities Space Description 1. Custodial closet	Custodial Closets For square footages, see space template	"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       No         Lighting requirements:       • Automatic lighting controls       Yes         Other electrical/lighting equipment or requirements:       •	Fixed Eurnishings/Equipment Casework: • 16" deep adjustable shelving • Other Other furnishings/millwork/ equipment or requirements: • Mop holder w/shelf	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         Yes
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use Environmental Conditions Air pressure (balanced is assume • Negative Other HVAC equipment or requirements: •	Yes Yes ed): Yes	Communications/IT Requirements Other communications/IT equipment or requirements: •	Interior Finishes Walls: • CMU - painted • Standard gypsum board - painted or vinyl covered • Ceramic tile • FRP • Other Base: • Resilient rubber • Ceramic tile	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12  #10       #11       #12       #12
Plumbing Domestic water: • Hot • Cold Floor drain Sink(s): custodial mop sink Other plumbing equipment or requirements: •	Yes Yes Yes Yes	Safety/Security         Nonmaster locks         Intrusion alarm system         Access control         Other safety/security equipment         or requirements:	<ul> <li>Quarry tile</li> <li>Sheet vinyl</li> <li>Other</li> <li>Floors: <ul> <li>Ceramic tile</li> <li>Quarry tile</li> <li>VCT</li> <li>Sheet vinyl</li> <li>Sealed concrete</li> <li>Other</li> </ul> </li> <li>Ceilings: <ul> <li>Minimum ceiling height</li> <li>Exposed to structure - painted</li> <li>Gypsum board - painted</li> <li>Other</li> </ul> </li> <li>Doors: <ul> <li>Wood</li> <li>Other</li> </ul> </li> </ul>	V       V         V

# **Chapter A15: Dormitories**

Structural Requirements Other structural requirements: • Signage Requirements Room identification sign Room number sign Other signage requirements: •	Yes Yes	Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor. <u>Fire Protection:</u> 1. Provide semi-recessed heads for spaces with ceilings. Otherwise, provide protected exposed heads.
Fire Protection System Sprinklers: • Semi-recessed • Protection Other fire protection equipment or requirements: •	Yes Yes	Key Space Design and Relationship Concepts         1. One within each residential wing         2. One adjacent to residential common areas
Program Activities 1. Space for storage of custodial suppl the building	lies throughout	

# **D-20 Public Restrooms**



## 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





# **Chapter A15: Dormitories**

BIA School Facilities Space Description 1. Public restroom	Public Restrooms For square footages, see space template	"Yes" and "No" apply to all spaces # refers to Space Description designation ✓ indicates approved feature, system, or Acoustical Conditions Speech privacy Special acoustical treatment needed Musical performance/singing/ cheering expected Electrical/Lighting Lighting requirements: • Automatic lighting controls		Fixed Furnishings/Equipment Casework: • Solid plastic countertops • Other Other furnishings/millwork/ equipment or requirements: • Toilet partitions • Grab bars • Mirror • Paper towel dispenser • Soap dispenser • Toilet paper dispenser • Sanitary napkin dispenser	#1       #2       #3       #4       #5       #6       #7       #8       #9       #10       #11       #12         Yes
Daily Occupancy Use 9.5 hrs. (7:30 a.m.–5:00 p.m.) five days a week After-hours use	Yes Yes	Emergency lighting     Other electrical/lighting equipment     or requirements:	Yes	<ul> <li>Sanitary napkin receptacle</li> <li>Interior Finishes</li> <li>Walls:         <ul> <li>CMU - painted</li> <li>Impact-resistant gypsum board - painted or vinyl covered</li> </ul> </li> </ul>	Yes
Environmental Conditions Air pressure (balanced is assume • Negative Other HVAC equipment or requirements: • Plumbing Domestic water: • Hot	Yes	Safety/Security Nonmaster locks Intrusion alarm system		<ul> <li>Ceramic tile</li> <li>Other</li> <li>Base: <ul> <li>Ceramic tile</li> <li>Quarry tile</li> <li>Fluid applied flooring system</li> <li>Other</li> </ul> </li> <li>Floors: <ul> <li>Ceramic tile</li> <li>Quarry tile</li> </ul> </li> </ul>	
<ul> <li>Cold</li> <li>Floor drain</li> <li>Drinking fountain</li> <li>Bubbler</li> <li>Other plumbing equipment or requirements:</li> <li> <ul> <li></li></ul></li></ul>	Yes Yes Yes Yes	Access control Other safety/security equipment or requirements: •		<ul> <li>Sheet vinyl</li> <li>Fluid applied flooring system</li> <li>Other</li> <li>Ceilings:</li> <li>Minimum ceiling height</li> <li>Gypsum board - painted</li> <li>Other</li> <li>Doors:</li> <li>Wood</li> <li>Other</li> </ul>	✓         ✓           ✓         ✓           9'-0"         ✓           ✓         ✓

WoodOther

# A15190 D-20 Public Restrooms Space Criteria

# **Chapter A15: Dormitories**

Structural Requirements Other structural requirements: • Signage Requirements Room identification sign Room number sign Other signage requirements: •	Yes Yes	Notes <u>Electrical:</u> 1. Provide wall switch type occupancy sensor.         2. Provide emergency light near door(s). <u>Plumbing:</u> 1. Provide either a drinking fountain or a bubbler, depending on site location requirements.
Fire Protection System Sprinklers: • Semi-recessed Other fire protection equipment or requirements:	Yes	Key Space Design and Relationship Concepts         1. Near resident common area
Program Activities 1. Personal and health needs for students and visitors	s, staff,	





#### ACCESSIBILITY REQUIREMENTS

Age (years)	<u>(a)</u>	<u>(b)</u>	<u>(c)</u>
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.





#### 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



#### ACCESSIBILITY REQUIREMENTS AT TOILET COMPARTMENTS

Age (years)	<u>(a)</u>	<u>(b)</u>	<u>(c)</u>	<u>(d)</u>
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"	-
	• ( ) 6	1 1		1711 1011

\*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

#### 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 maxin	num 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 a	bove 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.





#### 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.