



## 2023 FACILITY EDUCATIONAL STANDARDS

ELEMENTARY SCHOOLS

### TABLE OF CONTENTS:

1. Purpose
2. Executive Building Summary
3. Administration
4. Academic Classrooms
5. Cafeteria, Kitchen, Custodial
6. Library
7. Athletics, Physical Education
8. Specialized Rooms
9. Extended Learning Program
10. Security
11. Technology
12. Appendix




# Purpose

## HOW TO USE THESE DOCUMENTS

### Educational Specifications


The Texas Education Agency requires all school districts to create an educational program that guides the design process of new facilities and renovations to existing facilities. The Educational Specifications (Ed Specs) reflect a bird's eye view of the Facility Educational Standards, which further expands on the specific spaces allocated to each Department and what goes into those spaces. The Educational Specifications also include information regarding the District's academic vision and strategic planning goals, and design principle implementation.

 **What You'll Find:** *Profile of Graduate, District Goals, Design Principles, Maximum Enrollment Numbers, Method of Compliance, Flexibility Level*

### Facility Educational Standards

The Facility Educational Standards (FES) expand upon the Educational Specifications by focusing on the detailed program of spaces, how the space is used, and identifying the key elements to be provided in the space to meet the intended use. Relationship adjacency diagrams within the Facility Educational Standards graphically illustrate the space in relation to other spaces.

The Facility Educational Standards were created to ensure parity and consistency, but the standards are not intended to restrict the effective or efficient design of school buildings. Flexibility to allow for minor deviations in spatial requirements is expected; thus, the educational facility should be nimble to fulfill the current programmatic requirements of the District, while being easily adaptable to future changes in educational direction and the effects those changes have on learning. During the course of the design of each project, the team of architects and engineers should work in concert with Fort Bend ISD staff and identify deviations from the Facility Educational Standards. Any deviance from the FES will require FBISD design manager approval.


 **What You'll Find:** *Program of Spaces, Relationship Adjacency Diagrams, Graphic Vignettes, FF&E Details*

### Technical Design Guidelines

The Fort Bend ISD Technical Design Guidelines (TDGs) were developed to provide District personnel, as well as architects and engineers, with a cohesive set of standards and guidelines for use in the planning and design of Fort Bend ISD facilities. The TDGs build on the FES by providing detailed criteria of the building products used to construct the identified programmed spaces.

The TDGs contain directions regarding Fort Bend ISD standards and design preferences for the construction of new buildings, as well as the renovation and/or modernization of existing facilities. These standards include both technical and performance-based specifications in addition to prescriptive requirements, including preferred products, systems, and materials to be used in programming, design, and construction.

The TDGs also serve as a tool for quality control within Fort Bend ISD; by specifying the criteria of the building products, Fort Bend ISD can ensure that both quality and cost-effective building products are used and specified during the design and construction phases.

 **What You'll Find:** *LEED Credit Requirements, Commissioning Requirements, Technical and Performance-Based Specifications, Preferred Products / Systems / Materials*

# Executive Building Summary

Space/Function	Qty	SF	TOTAL SF	Notes
<b>ADMINISTRATION SUITE</b>				
<b>Administration</b>				
Secure Entry Vestibule	1	450	450	
Visitor's Restroom	1	60	60	
Faculty Restrooms	2	60	120	
Reception	1	175	175	
Attendance Office	1	120	120	
Records Room	1	50	50	
VIPS	1	200	200	Volunteer in Public Schools
Executive Assistant	1	200	200	
Principal's Office	1	250	250	
Principal's Conference Room	1	300	300	
Workroom/ Mailroom	1	360	360	
Faculty Lounge	1	400	400	
Assistant Principal's Office	2	225	450	1 office to be decentralized with 1 counselor
Level Book Storage	1	350	350	
Bookroom	1	600	600	
Administration Storage	1	75	75	
Mother's Room	1	80	80	
Counselor's Office	2	200	400	1 office to be decentralized with AP
Conference Room	1	300	300	
Special Education Offices	1	450	450	(CCC, Diagn, LSSP & SLP)
Therapy Testing	3	100	300	
Testing Storage	1	90	90	
<b>Clinic</b>				
Clinic Waiting	1	200	200	
Treatment Area	1	290	290	Cot and restroom
Isolation Room	1	80	80	
Nurse Office	1	150	150	
Storage	1	50	50	
<b>AP Counselor Suite</b>				
Assistant Office/Waiting Room	1	300	300	
Conference Room	1	250	250	
Speech	1	450	450	
<b>ADMINISTRATION SUITE SUBTOTAL:</b>			<b>7,550 SF</b>	
<b>ACADEMIC CLASSROOMS</b>				
Collaboration Space Pre-K - 1st	2	600	1,200	1 per grade level
Collaboration Space 2nd - 5th	4	1000	4,000	1 per grade level
PLC / Teacher Workroom	6	400	2,400	1 per grade level
<b>Pre-K and K Classrooms</b>				
ECSE Classroom	1	910	910	
ECSE Restroom	1	100	100	Located in ECSE
Pre-K / K Classrooms	9	875	7,875	8 K / 1 Pre-K
Student Restrooms	9	60	540	Located one per classroom
Teacher Restroom	1	60	60	
<b>1st - 4th Grade Classrooms</b>				
Classrooms	32	800	25,600	8 per grade level
Student Restrooms	8	190	1,520	2 per grade level (one boy/one girl)
Teacher Restroom	4	60	240	
<b>5th Grade Classrooms</b>				
Classrooms	8	875	7,000	8 per grade level

Student Restrooms	2	190	380	2 per grade level (one boy/one girl)
Teacher Restroom	1	60	60	1 per grade level
Special Education				
Specialized Classroom (A & B)	2	1000	2,000	Includes kitchenette
Specialized Classroom (C )	1	800	800	
De-Escalation	1	50	50	
Sensory/ De-Escalation	1	450	450	
Utility Room/ Restroom	1	250	250	Locate between classroom A and B
Instructional Pull-Out Space (IPS)	6	600	3,600	Located within Academic Wing
Outdoor Spaces				
Outdoor Learning	2		-	
Outdoor Play Area	2		-	
ACADEMIC CLASSROOMS SUBTOTAL:			59,035 SF	
CAFETERIA / KITCHEN / CUSTODIAL				
Cafeteria / Student Dining				
Cafeteria/Commons	1	4675	4,675	
Chair/Table Storage	1	225	225	
Student Restrooms	2	280	560	One boy, one girl
Kitchen				
Serving Area	1	950	950	
Food Preparation	2	555	1,110	
Dry Storage	1	205	205	
Manager's Office	1	80	80	
Walk-in Cooler	1	125	125	
Walk-in Freezer	1	175	175	
Receiving Area	1	100	100	
Locker Room	1	75	75	
Staff Restroom	1	60	60	
Warewash	1	300	300	
Utility Room	1	70	70	
Service Yard	1	0	-	
Custodial				
Custodial Breakroom	1	250	250	
Custodial Office	1	100	100	
Custodial Closets	6	60	360	Located throughout building
Custodial Storage/Receiving	1	300	300	
Custodial Restroom	1	60	60	
Recycling Storage	1	150	150	
CAFÉ/KITCH/CUST SUBTOTAL:			9,930 SF	
LIBRARY				
Library/Learning Center	1	4000	4,000	
Broadcast Studio	1	200	200	
Maker Space	1	500	500	
Library Workroom / Office	1	200	200	
Audio Visual Storage	1	100	100	
Library Restroom	1	60	60	
LIBRARY SUBTOTAL:			5,060 SF	
ATHLETICS / PHYSICAL EDUCATION				
Gymnasium / PE	1	4644	4,644	
PE Office	1	150	150	
PE Storage	1	150	150	
PE Outdoor Storage	1	75	75	

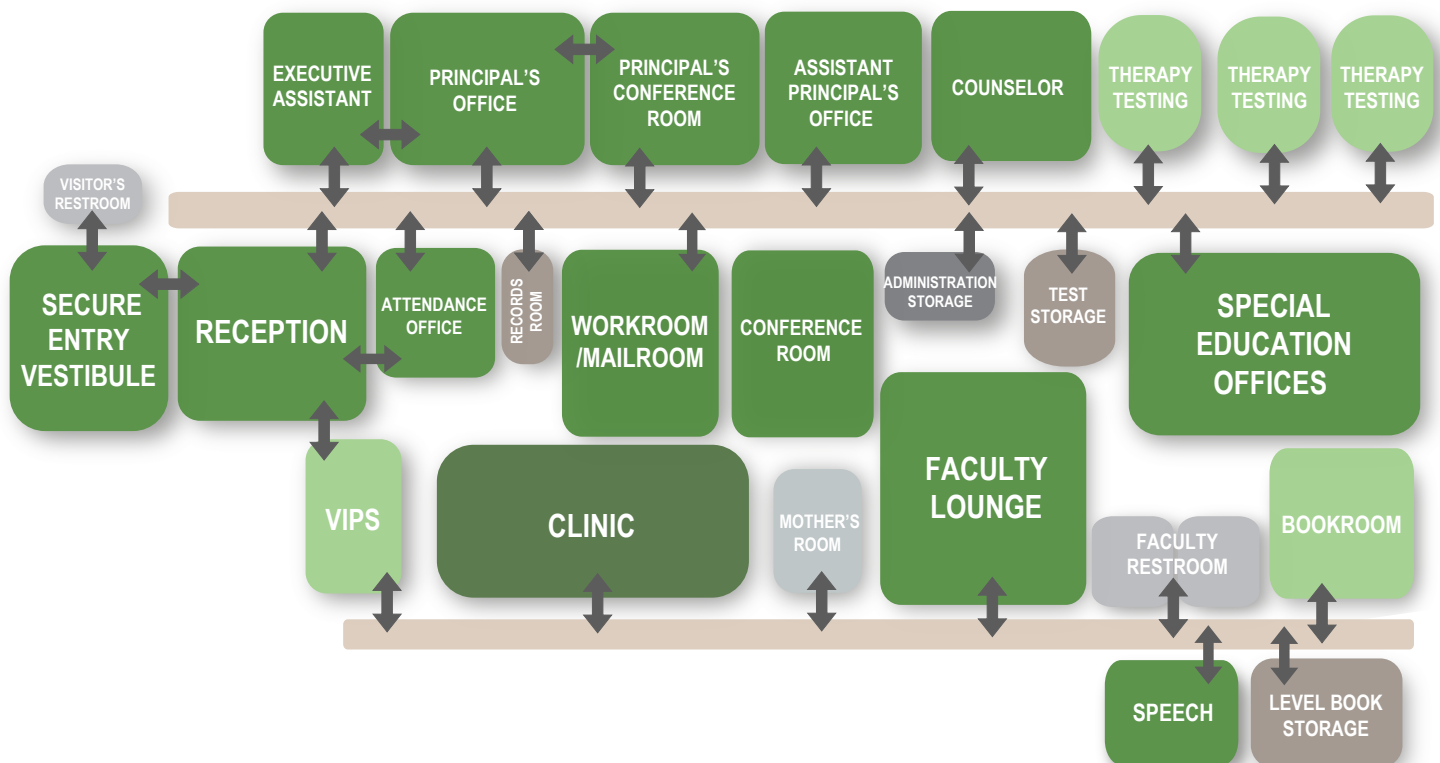
ATHLETICS / PHYSICAL EDUCATION SUBTOTAL:			5,019 SF	
SPECIALIZED ROOMS				
Specialized Classrooms				
Art Room	1	1000	1,000	
Art Storage Closet	1	150	150	
Kiln Room	1	150	150	
Outclass Rooms	2	800	1,600	One per floor
Large Group Instruction	1	1600	1,600	Folding wall divides into (2) 800 SF
Storage	3	100	300	Near Outclass and LGI
Music Room	1	1000	1,000	
Music Storage	1	200	200	
Stage	1	800	800	
Stage Storage	1	120	120	
SPECIAL CLASSROOMS SUBTOTAL:			6,920 SF	
Extended Learning Program				
Extended Learning Program				
ELP Reception	1	175	175	
ELP Office	1	150	150	
ELP Teacher Restroom	1	60	60	
ELP Snack Preparation	1	190	190	
ELP Study	1	250	250	
ELP Classroom	1	1750	1,750	
ELP Storage	1	85	85	
ELP Student Restrooms	2	60	120	
ELP Conference Room	1	100	100	
ELP SUBTOTAL:			2,880 SF	
SECURITY				
School Resource Officer (SRO)	1	150	150	
SECURITY SUBTOTAL:			150 SF	
TECHNOLOGY				
IT Office	1	150	150	
MDF Room	1	150	150	
IDF Rooms	7	100	700	
TECHNOLOGY SUBTOTAL:			1,000 SF	

<b>SUMMARY SUBTOTALS:</b>	<b>SF</b>
Administration Suite	7,550
Academic Classrooms	59,035
Cafeteria/Kitchen/Custodial	9,930
Library	5,060
Athletics/Physical Education	5,019
Specialized Classrooms	6,920
Extended Day Program	2,880
Security	150
Technology	1,000
<b>SUBTOTAL</b>	<b>97,544</b>
Circulation 32%	31,214
MEP 8%	7,804
<b>GRAND TOTAL</b>	<b>136,562</b>

# Administration

# RELATIONSHIP DIAGRAM

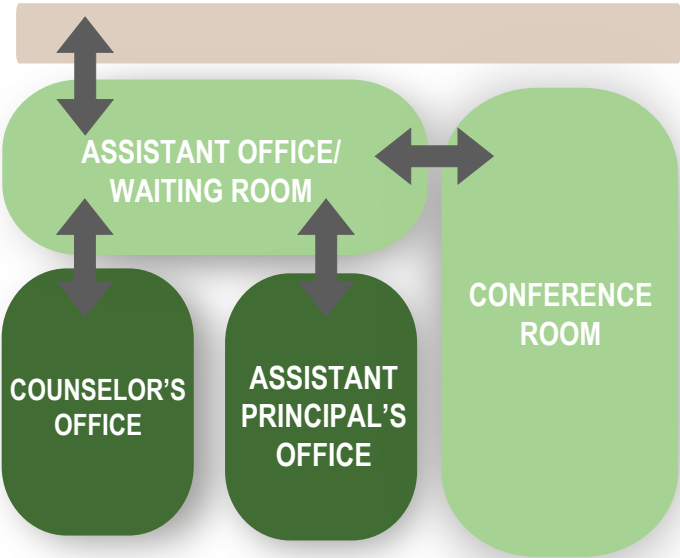
## ADMINISTRATION





RELATIONSHIP DIAGRAM

AP COUNSELOR SUITE



## Secure Entry Vestibule and Reception

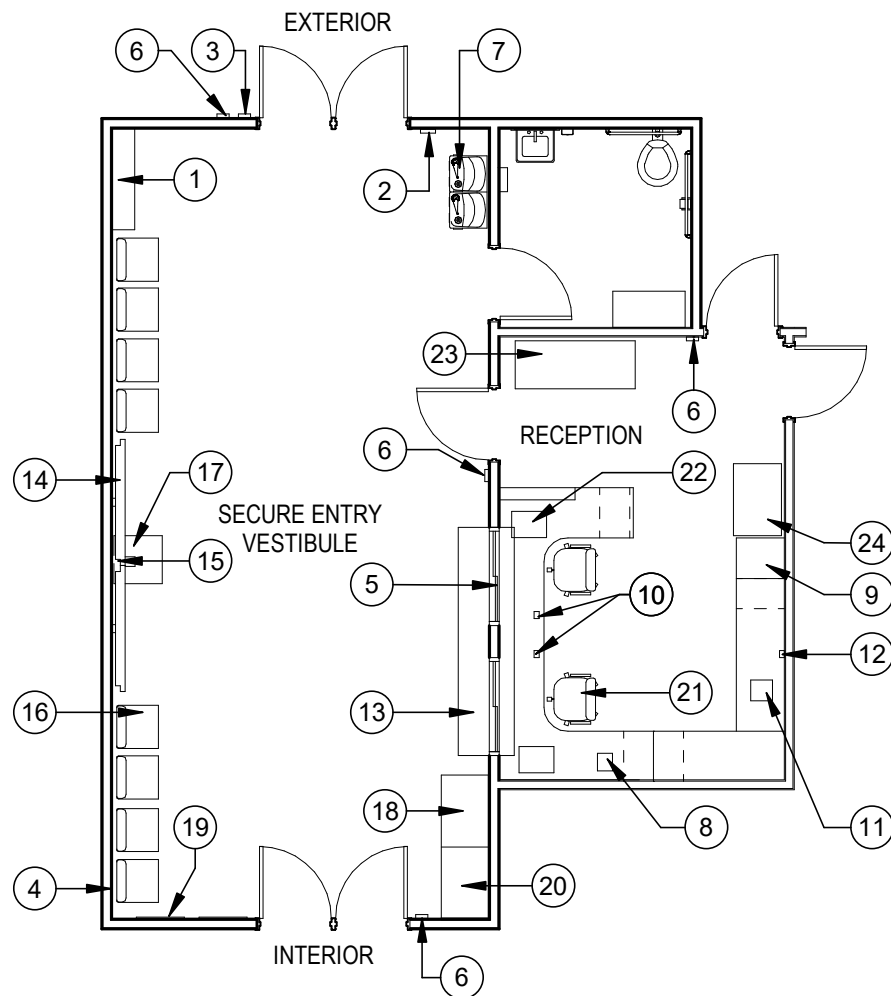
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Secure Entry Vestibule)	450	450	
1 (Reception)	175	175	

### SPATIAL RELATIONSHIP:

Secure entry vestibule is located at main entry to building; adjacent to reception. Reception is located in Administrative Suite adjacent to Secure Entry Vestibule, close to secretary and clinic.

### SPACE LAYOUT



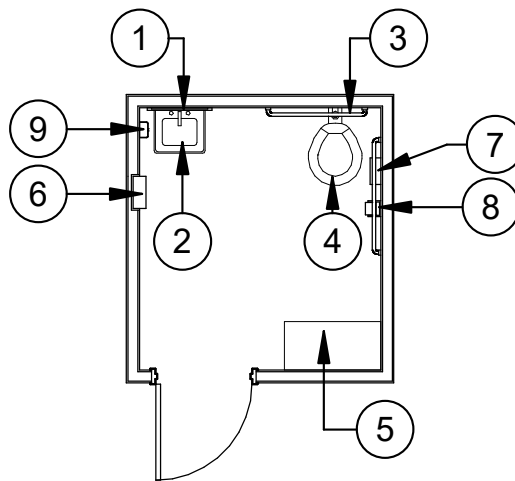
Secure Entry Vestibule and Reception			
FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Display/Bulletin Board	1	48" x 48" x 12"
2	Burglar Alarm System Keypad	1	
3	Airphone	1	Door release at reception.
4	Dedication Plaque	1	
5	Transaction Windows and Counter	2	36" x 36" sliding windows
6	Card Reader	4	Door release at reception; Door release at each workstation-for front admin exit and corridor doors
7	Drinking Fountain	1	Bi-Level with bottle filler; confirm with required counts
8	Intercom Micropophone	1	
9	Vertical File Cabinet Drawers	5	Millwork; under counter
10	Lockdown Button	2	Panic button; located under the counter
11	Control Set for Marquee	1	
12	HVAC Shutdown button	1	
13	Credenza	1	Under counter
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
14	Small Group Display Technology	2	To be controlled by reception
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
15	Telephone	1	
16	Chair/Benches	Seating for 8	Wooden
17	Small Table	1	Under display screen
18	Small Table for Binders & Sign-In Information	1	Near Reception Counter
19	LEED Plaque	1	
20	Computer Station	1	Registration
21	Task Chair	2	
22	Reception Tool Set	2	
23	Visitor Table	1	
24	Printer	1	Network printer/copier/scanner
NOTES:			
<ol style="list-style-type: none"> <li>Entry should be inviting and comfortable, providing a positive impression to all visitors, parents and students.</li> <li>Provide a door(s) with vision panel separating the waiting area from the school with access control or buzzer for controlled release by the receptionist.</li> <li>Locate display technology so it is visible to visitors waiting in this room.</li> <li>Provide direct view into reception from attendance office for coverage as needed. - ADA office</li> <li>It is highly desirable for the reception to have a view to the visitor parking lot and area outside main door.</li> <li>Provide visual privacy into the administration offices from the waiting area (no direct line of sight) and a physical barrier to keep people from entering the administration suite uninvited.</li> </ol>			

**Restrooms****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Visitor's Restroom)	60	60	
2 (Faculty Restrooms)	60	120	
6 (Teacher/Staff Restrooms)	60	360	

**SPATIAL RELATIONSHIP:**

Visitor restroom located in secure entry vestibule. Admin faculty restrooms located in administration suite with direct entry/access or within admin suite off admin corridor. Locate Teacher/Staff Restrooms within each classroom wing and near PLC room.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Mirror	1	
2	Sink	1	
3	Grab Bars	2	As required by ADA
4	Toilet	1	
5	Changing Table-Baby		Wall mounted
6	Paper Towel Dispenser/Trash	1	Combo Dispenser and Trash receptacle

**FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
7	Feminine Napkin Disposal	1	
8	Toilet Paper Dispenser	1	
9	Soap Dispenser	1	

**NOTES:**

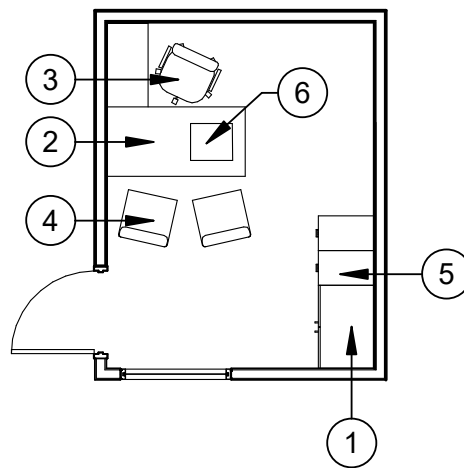
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**Attendance Office****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Attendance Office)	120	120	

**SPATIAL RELATIONSHIP:**

Located in Administration Suite adjacent to reception/waiting area.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	1	Lockable. 36" x 24" x 84

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
2	Desk	1	With return
3	Task Chair	1	
4	Guest Chair	2	
5	Vertical File Cabinet	2	4 drawer lockable; letter
6	Office Tool set	1	

**NOTES:**

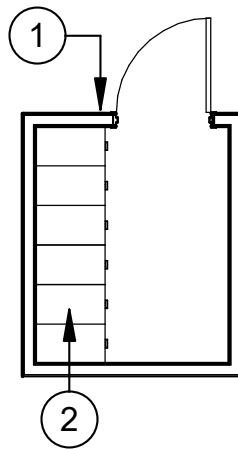
1. Window to reception area preferable.

**Records Room****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Records Room)	50	50	Room to have card reader access.

**SPATIAL RELATIONSHIP:**

Located in Administration Suite.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Card Reader	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
2	Vertical File Cabinet	6	4 drawer lockable; letter

**NOTES:**

## Volunteers in Public Schools Office (VIPS)

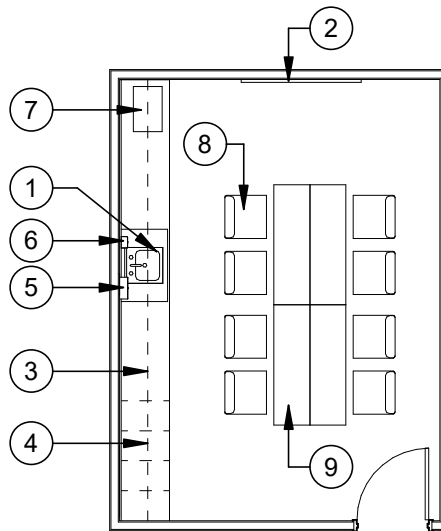
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1	200	200	

### SPATIAL RELATIONSHIP:

Located near Administrative Suite off main corridor close to front entry. No Direct Access to Admin Suite. Preferably Accessible on the Lobby Side of Security Door.

### SPACE LAYOUT



### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Sink	1	
2	Markerboard	1	5' x 4'
3	Upper and Lower Cabinets		Length of overhead and base cabinets to align
4	Vertical File Cabinet Drawers	4	

### FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
5	Paper Towel Dispenser	1	
6	Soap Dispenser	1	

### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
7	Office Tool Set	1	
8	Chair	8	
9	Flip Tables	4	

### NOTES:

- Flexibility is important within the space to support various activities.
- Provide electrical outlets for a variety of tools and machines, such as electric staplers, laminators, etc.

## Principal's Office and Support Spaces

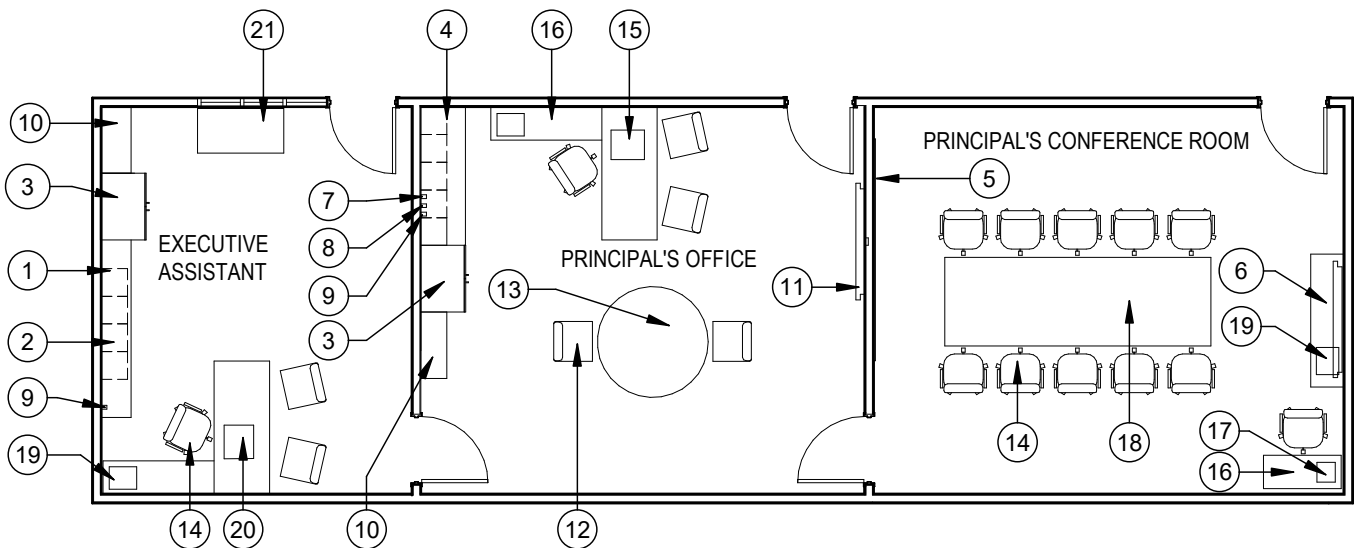
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Principal's Office)	250	250	Access to secondary exit in administration suite
1 (Executive Assistant)	200	200	
1 (Principal's Conference Room)	300	300	

## SPATIAL RELATIONSHIP:

Principal's office, executive administration assistant, and principal's conference room located in administration suite close to the front entry. Principal's office to have direct access to executive assistant and principal conference room.

## SPACE LAYOUT



## FURNITURE &amp; EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Overhead Cabinets		36" x 24" x 84"
2	Vertical File Cabinet Drawers	9	Plastic Laminate Top
3	Teacher Wardrobe	2	Lockable; 36" x 24" x 84"
4	Upper Cabinets	1	
5	Markerboard	1	
6	Credenza	1	
7	Intercom Microphone	1	Executive handset
8	HVAC Shutdown Button	1	MEP systems
9	Lockdown Button	2	Panic button



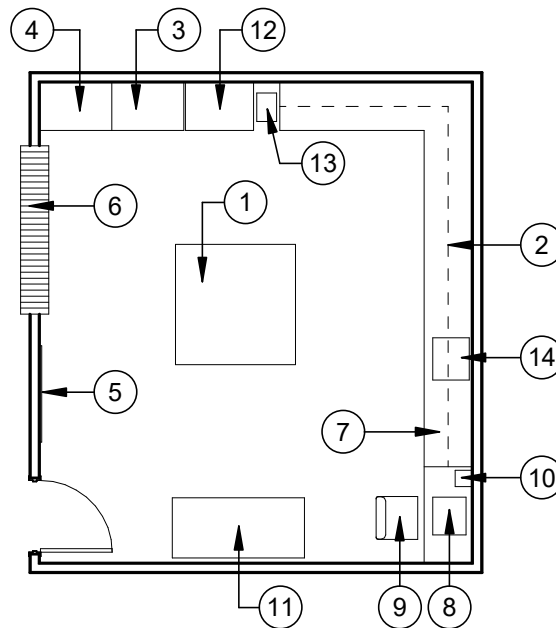
Principal's Office and Support Spaces			
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
10	Bookcase	2	Adjustable shelves; 36" x 36" x 84"
11	Fixed Interactive Display	2	Mount is Owner Furnished, Contractor Installed
12	Chair	6	
13	Small Conference Table	1	In Principal's office
14	Task Chair	13	
15	Principal Tool Set	1	
16	Desk	3	2 desk with return
17	Large Conference Tool Set	1	
18	Conference Table	1	Power in floor if permitted by geotechnical report.
19	Printer	3	For ARD meetings
20	Office Tool Set	1	
21	Table	1	
Notes:			
1. Security 'lockdown button' is to be located in the Principal's office and the Executive Assistant's office.			

**Workroom/Mailroom****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	360	360	Space for equipment & supplies (i.e. laminator, copier, binding, etc.)

**SPATIAL RELATIONSHIP:**

Locate within Administration Suite with admin area hallway access. Locate close to administration restrooms.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Work Island	1	Provide vertical & flat files for poster/foam board; Provide power/data at table
2	Upper and Lower Cabinets		Provide doors
3	Tall Open Shelving Unit	1	Adjustable shelves; 36" x 24" x 84"
4	Tall Shelving Unit	1	Lockable; 36" x 24" x 84"
5	Markerboard	1	5' x 4'
6	Mailboxes	150	Built-in or Prefab; 30" to 60" AFF; mailbox size: 3"h x 12"w x 14"d
7	Kneespace	1	For District Aide

**Workroom/Mailroom****FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
8	Misc. Tool Set	1	
9	Chair	1	For District Aide
10	Telephone	1	For District Aide
11	Copier	1	See Note 5 below
12	Laminating Table & Machine	1	Provide power
13	Industrial Shredder	1	Provide power
14	Drop Safe	1	On counter top

**NOTES:**

1. If Teacher's lounge is not located in the administration suite, provide under counter refrigerator and area for Coffee Maker.
2. Assume 150 mailboxes for a 1,250 student capacity school. Number shall vary based on capacity. Provide space for name labels.
3. Access mailboxes from corridor for retrieval. Access from copy/Workroom for loading.
4. Large copiers are noisy and create a lot of heat. Attention to sound attenuation and adequate air supply and exhaust is important in this room. Provide data and power for a large collating commercial copier which must be arranged per manufacturers recommendations for servicing.

## Faculty Lounge

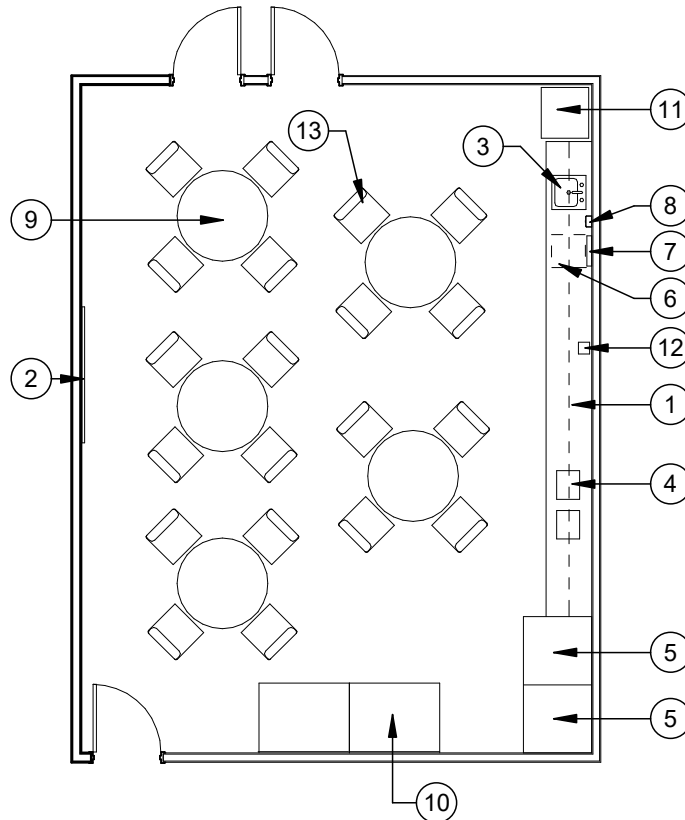
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1	400	400	

## SPATIAL RELATIONSHIP:

Located near or adjacent to Workroom/Mail Room, within or adjacent to Administrative Suite. Two staff restrooms open directly into this space or shall be located in close proximity to lounge.

## SPACE LAYOUT



## FURNITURE &amp; EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Upper & Lower Cabinets		3'W x 7'H x 2'D
2	Markerboard	1	5' x 10'
3	Sink	1	With garbage disposal
4	Microwave	2	On counter top
5	Refrigerator	2	With Ice Maker
6	Dishwasher	1	

## FURNITURE &amp; EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
7	Paper Towel Dispenser	1	
8	Soap Dispenser	1	

**Faculty Lounge****FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
9	Dining Tables	5	
10	Vending Machines	2	Campus provided and managed
11	Ice Machine	1	Provide drain underneath; campus provided and managed
12	Telephone	1	
13	Chair	20	

**NOTES:**

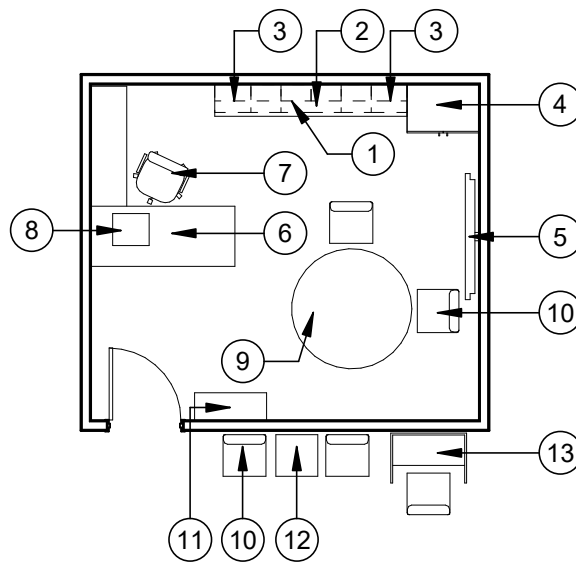
1. No cooktops, ovens or dishwashers

**Assistant Principal Office****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
2	225	450	Access to secondary exit in admin. suite, and small waiting space is desirable outside office.

**SPATIAL RELATIONSHIP:**

One Assistant Principal office shall be located within Administration Suite, and one decentralized with the counselor.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Overhead Cabinets - Two Door	3	Length of overhead and base cabinets to align
2	Vertical File Cabinet Drawers	4	Plastic Laminate Top
3	Base Cabinet	2	
4	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
5	Fixed Interactive Display	1	Mount is Owner Furnished, Contractor Installed
6	Desk	1	With return
7	Task Chair	1	
8	Office Tool Set	1	
9	Small Conference Table	1	
10	Chair	5	3 Chairs outside of office
11	Bookcase	1	Moveable
12	Table	1	
13	Study Carrel	1	

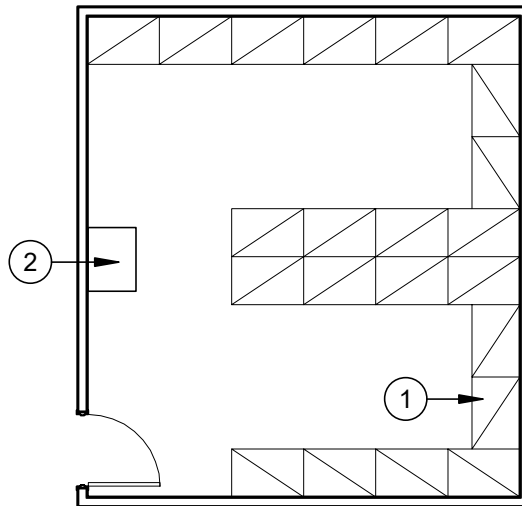
**NOTES:**

**Administrative Storage****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Level Book Storage)	350	350	
1 (Bookroom)	600	600	
1 (Testing Storage)	90	90	
1 (Administration Storage)	75	75	

**SPATIAL RELATIONSHIP:**

Administration storage shall be located close to executive assistant office. Testing storage shall be located adjacent to Special Education offices. Bookroom and Level book storage rooms shall be close to an elevator, on first floor, and centrally located in the building.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Metal Shelving	Varies	best configuration to maximize; 36" x 18" x 84" - must be ganged together and fixed to walls

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
2	Safe		In Administration Storage only

**NOTES:**

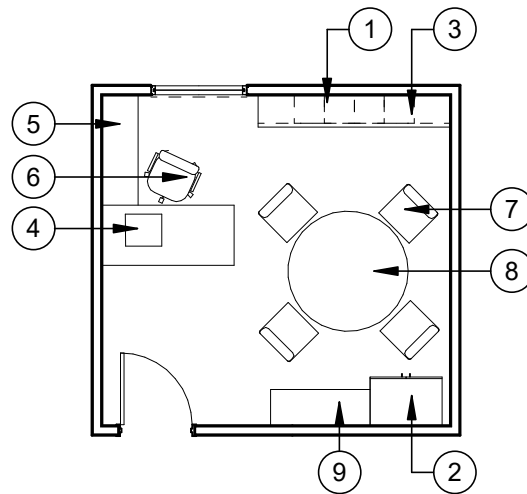
1. Safe standard to be provided to Project Manager from Business and Finance department.

**Counselor's Office****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
2	200	400	Confirm number of counselors prior to design.

**SPATIAL RELATIONSHIP:**

One Counselor's office to be located in Administration area. Second Counselor office to be in central location with assistant principal and conference room. Office to be in close proximity to a conference room and therapy testing. Natural lighting into the spaces is preferred.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Overhead Cabinets - Two Door	2	
2	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"
3	Vertical File Cabinet Drawers	4	Plastic Laminate Top

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
4	Office Tool Set	1	
5	Desk	1	With return
6	Task Chair	1	
7	Chair	4	
8	Conference Table	1	
9	Bookcase	1	Moveable

**NOTES:**



## Conference Room

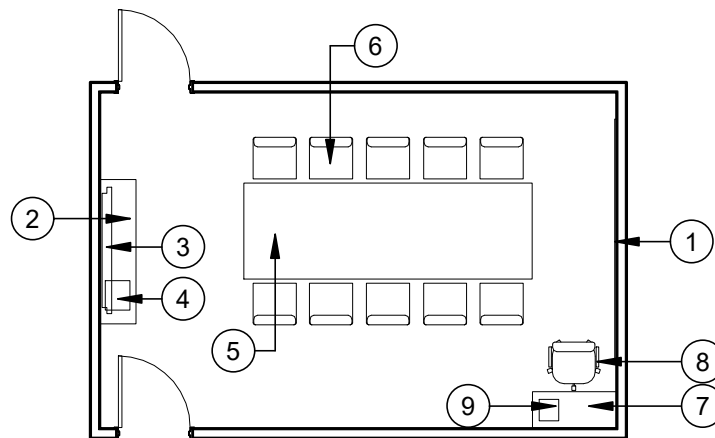
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 ( Conference Room)	300	300	Admin Suite
1 (Conference Room)	250	250	AP and Counselor suite

## SPATIAL RELATIONSHIP:

Located conference room in admin suite adjacent to assistant principal office and conference room. Second conference room to be located in the decentralized AP and Counselor suite.

## SPACE LAYOUT



## FURNITURE &amp; EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	1	5' x 10'
2	Credenza	1	

## FURNITURE &amp; EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
3	Fixed Interactive Display	1	Mount is Owner Furnished, Contractor Installed
4	Large Conference Tool Set	1	Verify final desk with table or credenza
5	Conference Table	1	Power in floor
6	Chair	10	
7	Desk	1	For ARD meetings
8	Task Chair	1	For ARD meetings
9	Tool Set and Printer	1	For ARD meetings

## NOTES:

1. Floor outlet to be provided for conference table if permitted by geotechnical report. Coordinate with furniture supplier.

## Special Education Offices

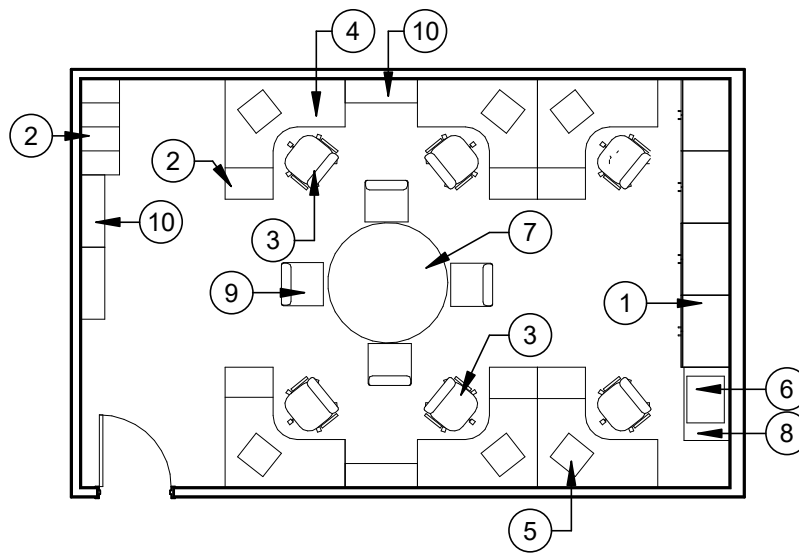
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Special Education Offices)	450	450	Large group space for special programs

### SPATIAL RELATIONSHIP:

Located in administration area.

### SPACE LAYOUT



### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Tall Cabinets	4	Lockable; 36" x 24" x 84"

### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
2	Vertical File Cabinets	10	4 under workstations
3	Task Chair	6	
4	Workstations	6	With return
5	Office Tool Set	6	
6	Printer	1	Shared
7	Conference Table	1	
8	Table	1	
9	Chairs	4	
10	Bookcase	4	Moveable

### NOTES:

1. Room signage to match typical offices with no heading.

## Therapy Testing

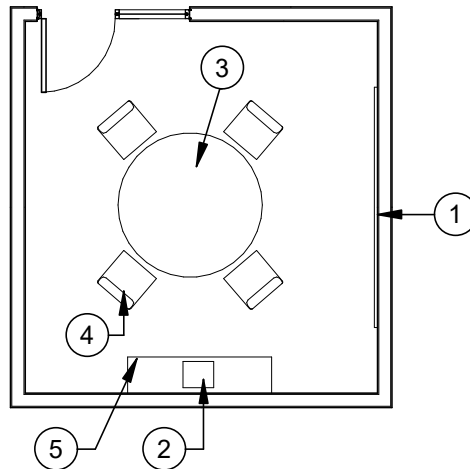
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
3	100	300	

### SPATIAL RELATIONSHIP:

Adjacent to each other and close to Special Education offices in the administration area.

### SPACE LAYOUT



### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	1	5' x 10

### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
2	Small Conference Tool Set	1	
3	Conference Table	1	
4	Chair	4	
5	Credenza	1	

### NOTES:

1. Can be utilized for counseling services outside of Fort Bend ISD.

## Clinic and Support Spaces

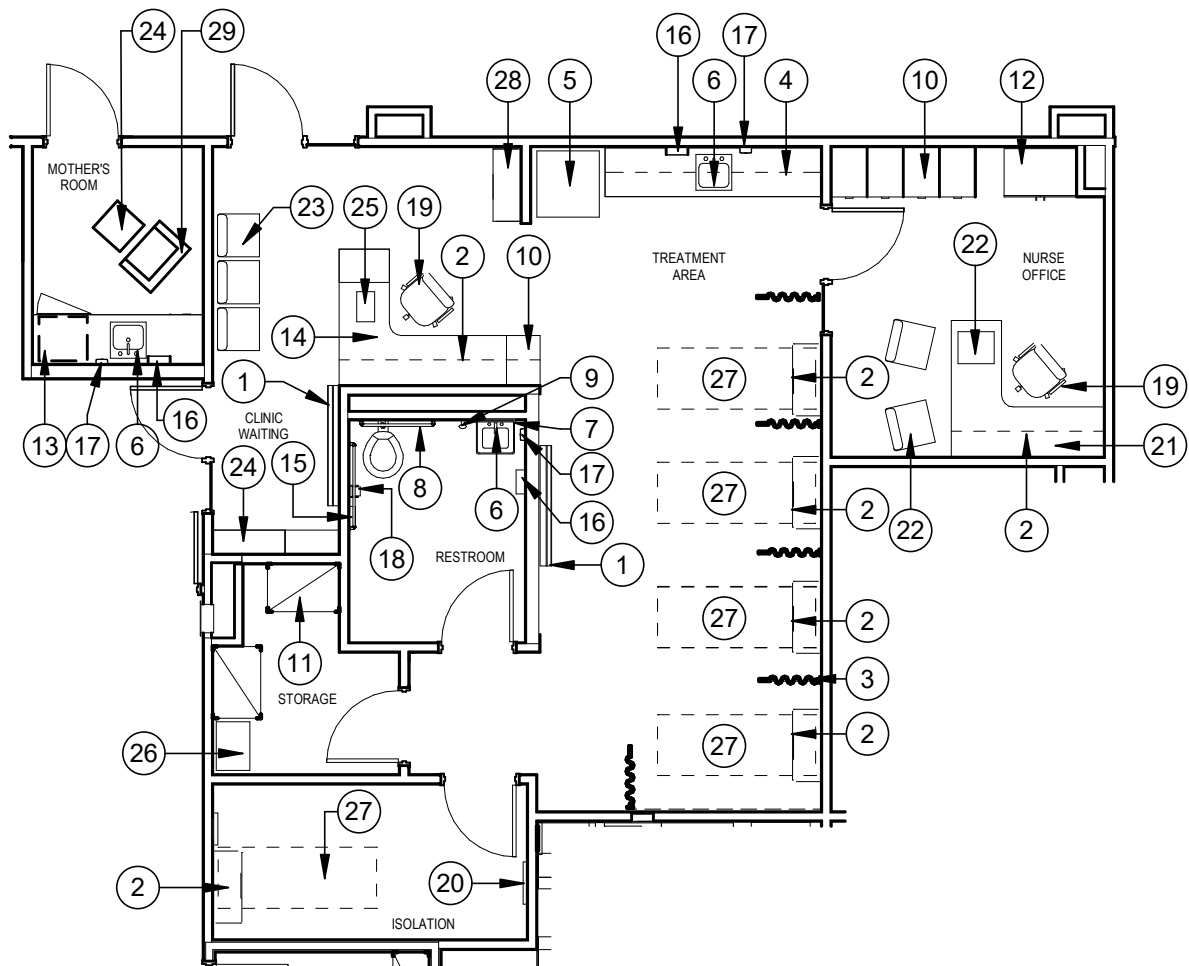
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Mother's Room)	80	80	Provide outlets on all walls for flexibility of space and location of pump set-up
1 (Nurse Office)	150	150	Provide window to view into waiting and treatment spaces
1 (Storage)	50	50	
1 (Waiting Area)	200	200	
1 (Treatment Area)	290	290	Refrigerator with ice maker should be tied to emergency generator.
1 (Isolation)	80	80	

### SPATIAL RELATIONSHIP:

Entry to clinic is off main school corridor. Preferable to have entry from admin suite and main corridor. Spaces to be adjacent to each other housed within the clinic area and with direct access to the nurse office.

### SPACE LAYOUT



## Clinic and Support Spaces

## FURNITURE &amp; EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	2	5' x 4'
2	Overhead Cabinet		
3	Cubicle Curtains	4	
4	Upper & Lower Cabinet		
5	Refrigerator with Ice Maker	1	
6	Sink	3	
7	Mirror	1	
8	Grab Bars	2	
9	Handheld Shower	1	Provide Drain
10	Vertical File Cabinet Drawers	6	Plastic Laminate Top
11	Metal Shelving	2	36" x 24" x 84"; affix to walls
12	Teacher Wardrobe	1	
13	Under Counter Refrigerator	1	
14	Desk	1	Built-in With return

## FURNITURE &amp; EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
15	Feminine Napkin Disposal	1	
16	Paper Towel Dispenser	3	
17	Soap Dispenser	3	
18	Restroom Paper Dispenser	1	

## FURNITURE &amp; EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
19	Task Chair	2	
20	Eye Chart	2	
21	Desk	1	With return
22	Clinic Tool Set	1	
23	Chair	5	
24	Small Table	1	
25	Office Tool Set	1	
26	Nurse Cart	1	
27	Cots	5	30"D x 6'L
28	Display Rack	1	
29	Soft Seating	1	

## NOTES:

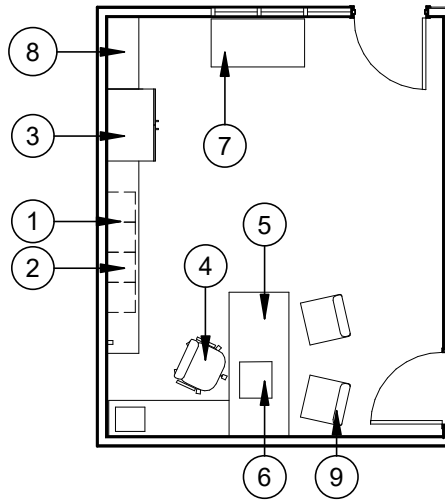
1. Provide window(s) from Nurse Office into Treatment Areas/Clinic, with direct line of sight to cots.
2. Provide electrical outlets in storage for hearing equipment.
3. Provide clear floor area inside storage for a wheelchair and cart mounted hearing equipment.
4. Allow 3'-6" to 4'-0" between cots.
5. Provide lights over each cot in treatment and isolation areas with individual switches.
6. Provide electrical outlet at each cot.
7. Electrical outlets for devices should be tied to emergency generator.
8. Prescription storage areas to be keyed independently of clinic keying systems.

**Assistant Office/Waiting Room****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	300	300	

**SPATIAL RELATIONSHIP:**

Assistant Office/Waiting Room to be located adjacent to one counselor office and conference room with direct access into both.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Overhead Cabinets		36" x 24" x 84"
2	Vertical File Cabinet Drawers	4	Plastic Laminate Top
3	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
4	Task Chair	1	
5	Desk	1	
6	Office Tool Set	1	
7	Table	1	
8	Bookcase	1	
9	Chair	2	

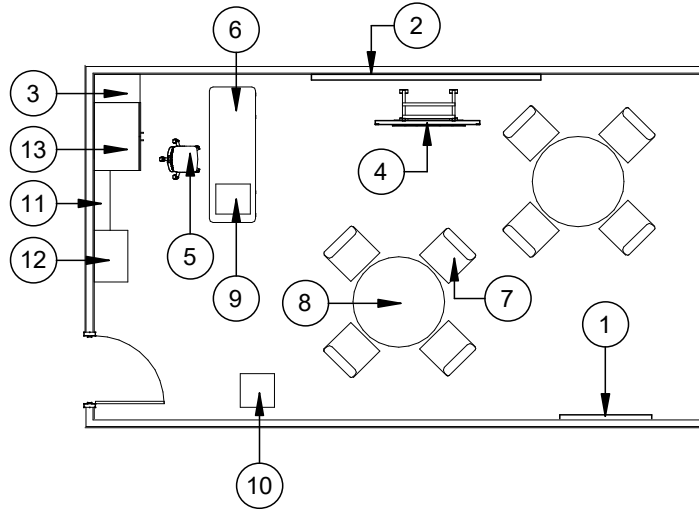
**Notes:**

**Speech****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	450	450	

**SPATIAL RELATIONSHIP:**

Locate within administration suite.

**RELATIONSHIP DIAGRAM****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Mirror	1	3' x 5'
2	Markerboard	1	5' x 10'

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
3	Vertical File Cabinet	1	
4	Mobile Instructional Display Technology	1	
5	Task Chair	1	
6	Teacher Desk	1	
7	Chair	8	
8	Table	2	Round
9	Teacher Tool Set	1	
10	Student Devices Cart	1	
11	Bookcase	1	
12	Tall Cabinet Storage	1	
13	Wardrobe	1	Lockable; 36" x 24" x 84"

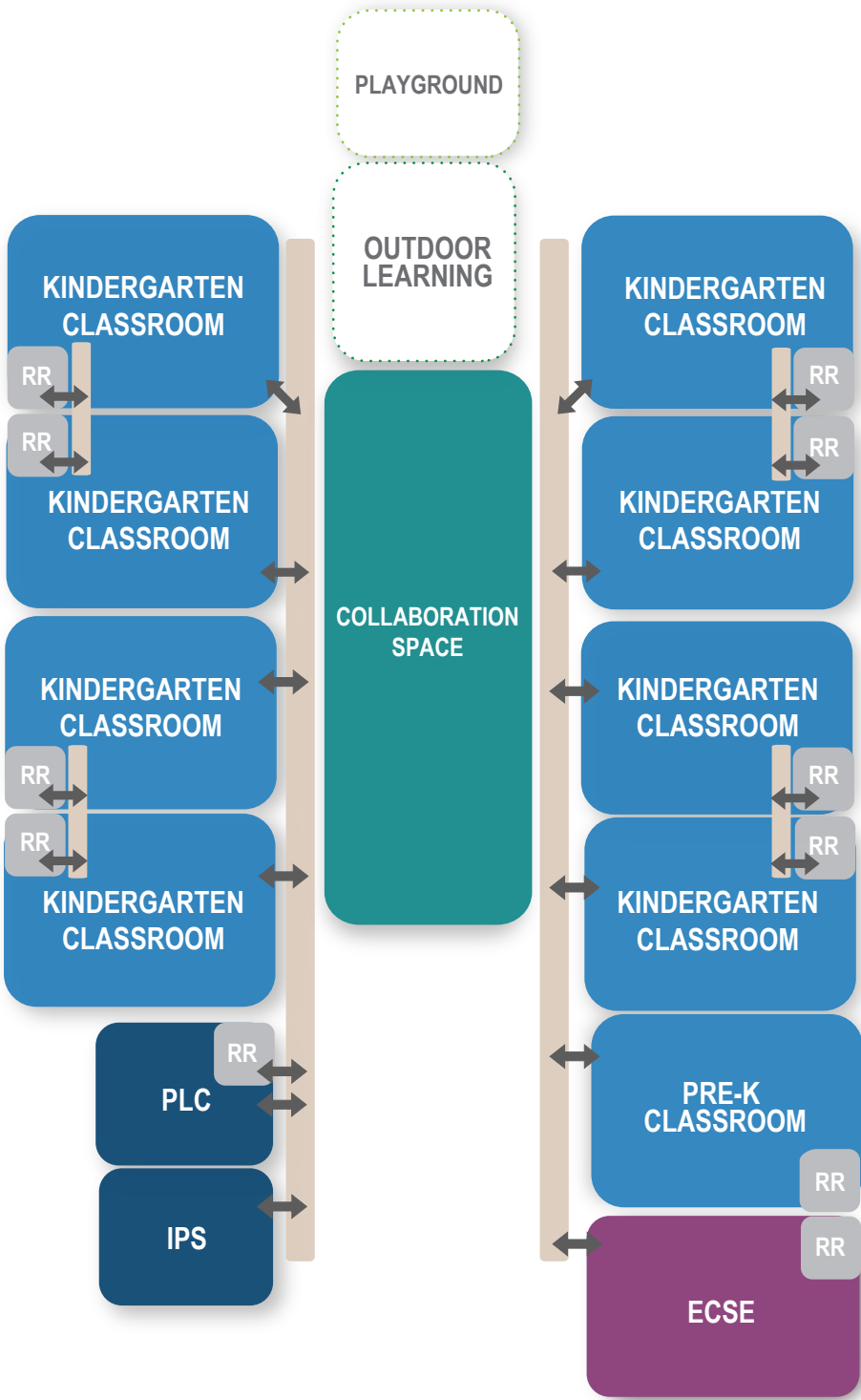
**Notes:**

# Academic Classrooms



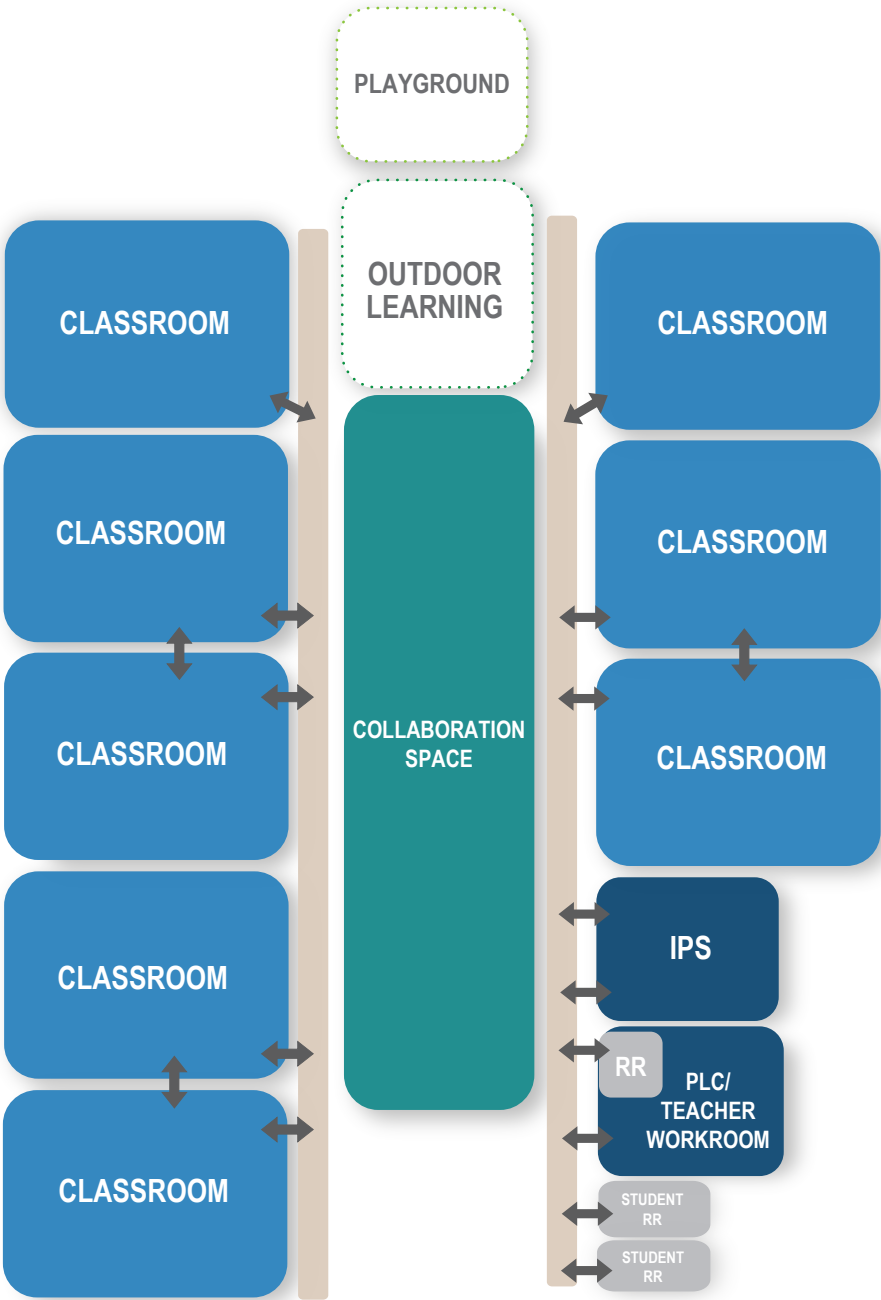
RELATIONSHIP DIAGRAM

PRE-K/K CLASSROOM SPACES



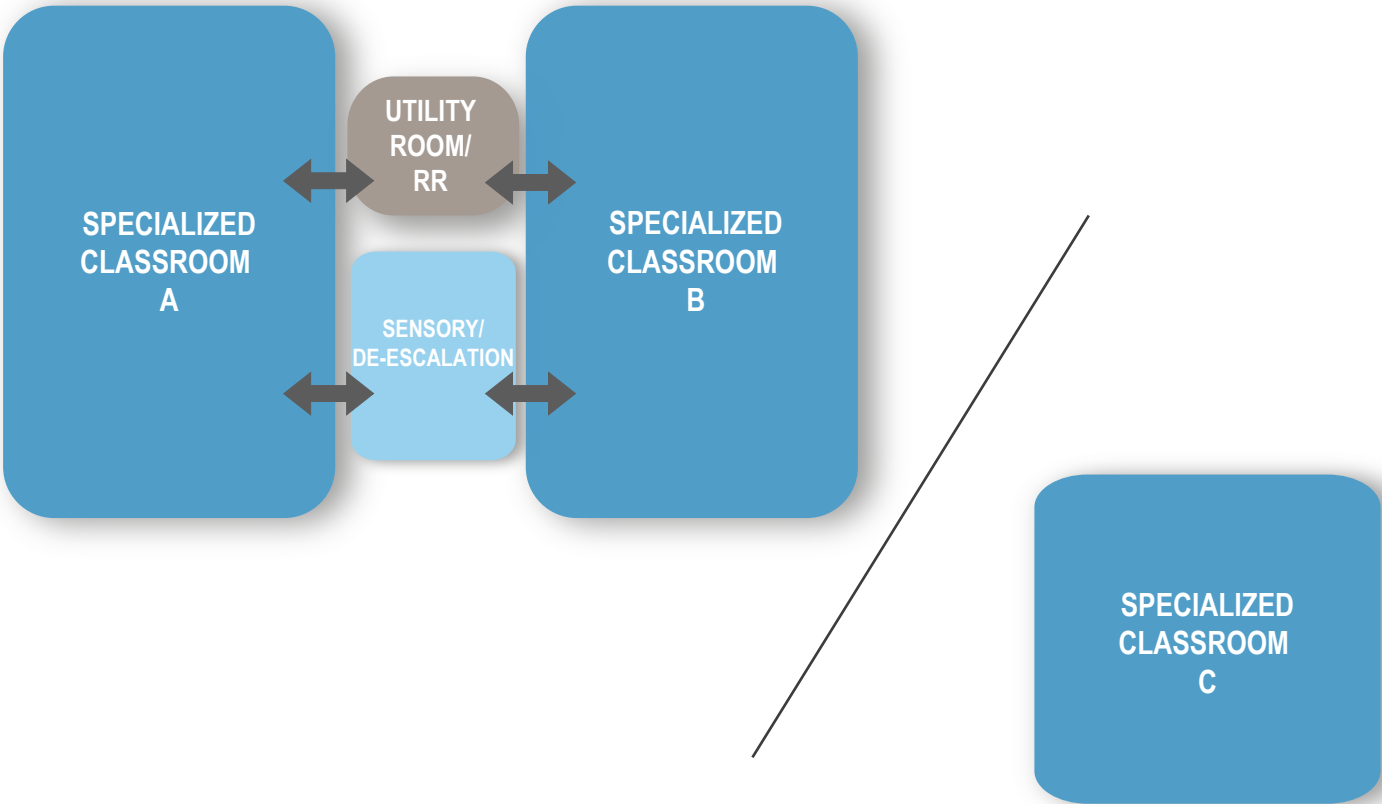
RELATIONSHIP DIAGRAM

TYPICAL 1-5 GRADE LEVEL CLASSROOM SPACES



RELATIONSHIP DIAGRAM

SPECIAL EDUCATION

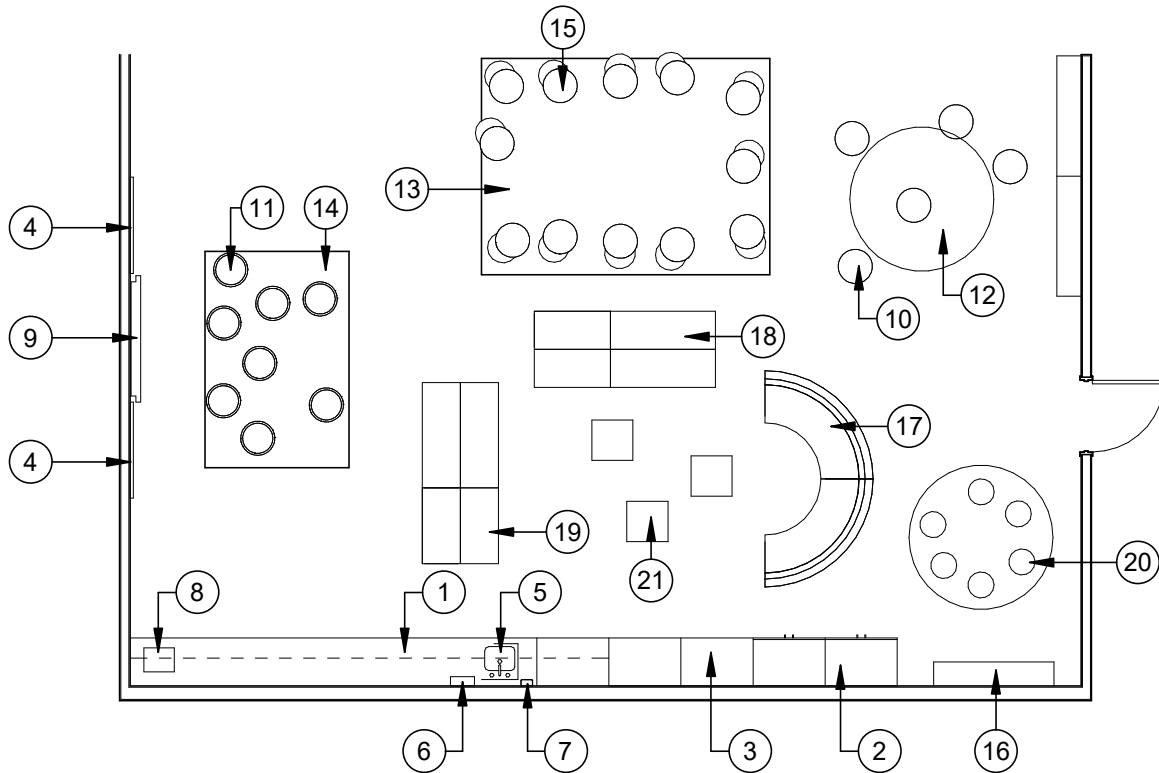


**PRE-K / K Grade Collaboration Space****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	600	600	One Pre-K/K

**SPATIAL RELATIONSHIP:**

Directly adjacent to each grade level classroom cluster, within close proximity of restroom and water fountains.

**SPACE LAYOUT**

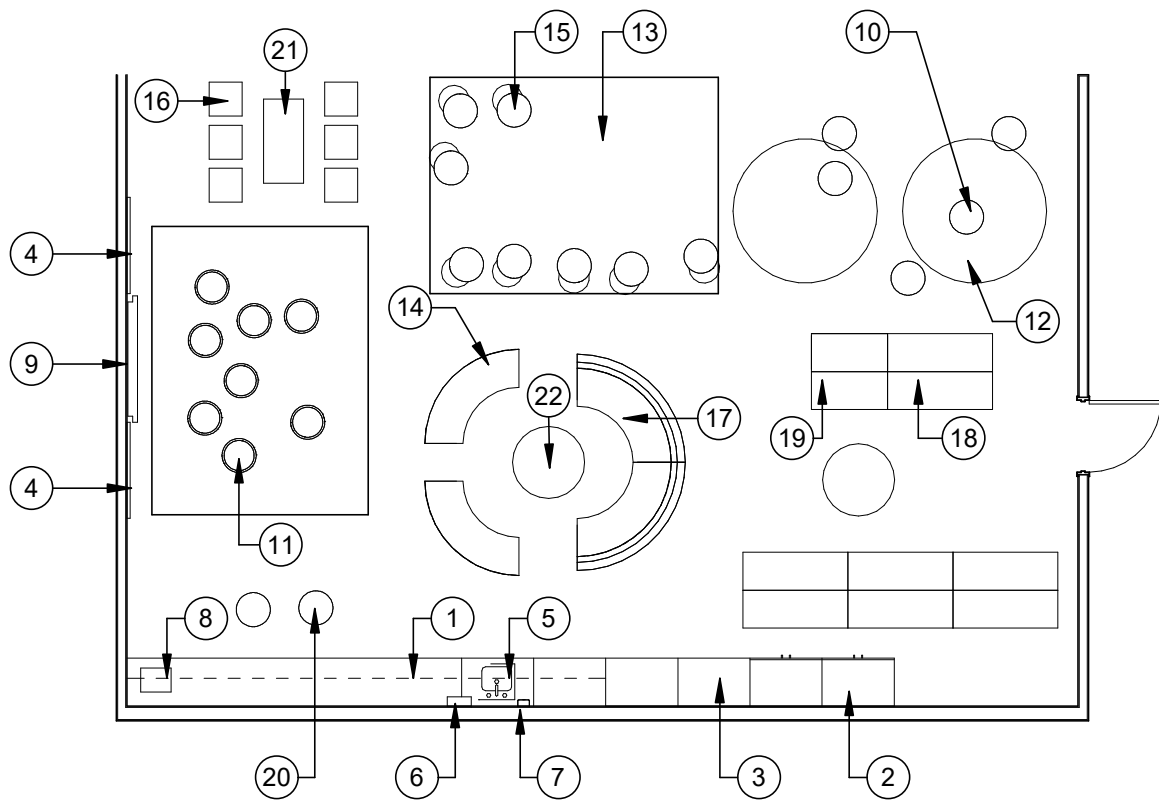
PRE-K / K Grade Collaboration Space			
FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Upper and Lower Cabinets		Line one wall with lockable cabinets; provide sink
2	Tall Shelving Unit	2	36" x 24" x 84"; lockable
3	Tote Tray Cabinets	2	36" x 24" x 84"
4	Markerboard	2	4'x5'
5	Sink	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
6	Paper Towel Dispenser	1	
7	Soap Dispenser	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
8	Teacher Tool Set	1	
9	Instructional Display Technology	1	Mount is Owner furnished, Contractor Installed
10	Round Floor Cushions	5	
11	Wobble Cushion	8	
12	Round Carpet	2	6'
13	Accent Carpet	1	9' x 12'
14	Rectangulat Carpet	1	6' x 9'
15	Comfy Floor Seat	12	
16	Storage Bench	3	
17	Curved Couch	2	
18	Lounge Couch for 3	2	
19	Lounge Couch for 2	2	
20	Comfy Stool	6	
21	Ottoman	3	
NOTES:			

**1ST - 2ND Grade Collaboration Space****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	1,000	1,000	1st - 600 SF; 2nd - 1,000 SF
1	600	600	

**SPATIAL RELATIONSHIP:**

Directly adjacent to each grade level classroom cluster, within close proximity of restroom and water fountains.

**SPACE LAYOUT**

**1ST - 2ND Grade Collaboration Space****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Upper and Lower Cabinets		Line one wall with lockable cabinets; provide sink
2	Tall Shelving Unit	2	36" x 24" x 84"; lockable
3	Tote Tray Cabinets	2	36" x 24" x 84"
4	Markerboard	2	4'x5'
5	Sink	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
6	Paper Towel Dispenser	1	
7	Soap Dispenser	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
8	Teacher Tool Set	1	
9	Instructional Display Technology	1	Mount is Owner furnished, Contractor Installed
10	Round Floor Cushions	5	
11	Wobble Cushion	8	
12	Round Carpet	2	6'
13	Accent Carpet	2	9' x 12'
14	Curved Seat	2	
15	Comfy Floor Seat	8	
16	Lounge Chair	6	
17	Curved Couch	2	
18	Lounge Couch for 3	4	
19	Lounge Couch for 2	1	
20	Comfy Stool	2	
21	Top Table	1	on casters
22	Round Floor Table	2	

**NOTES:**

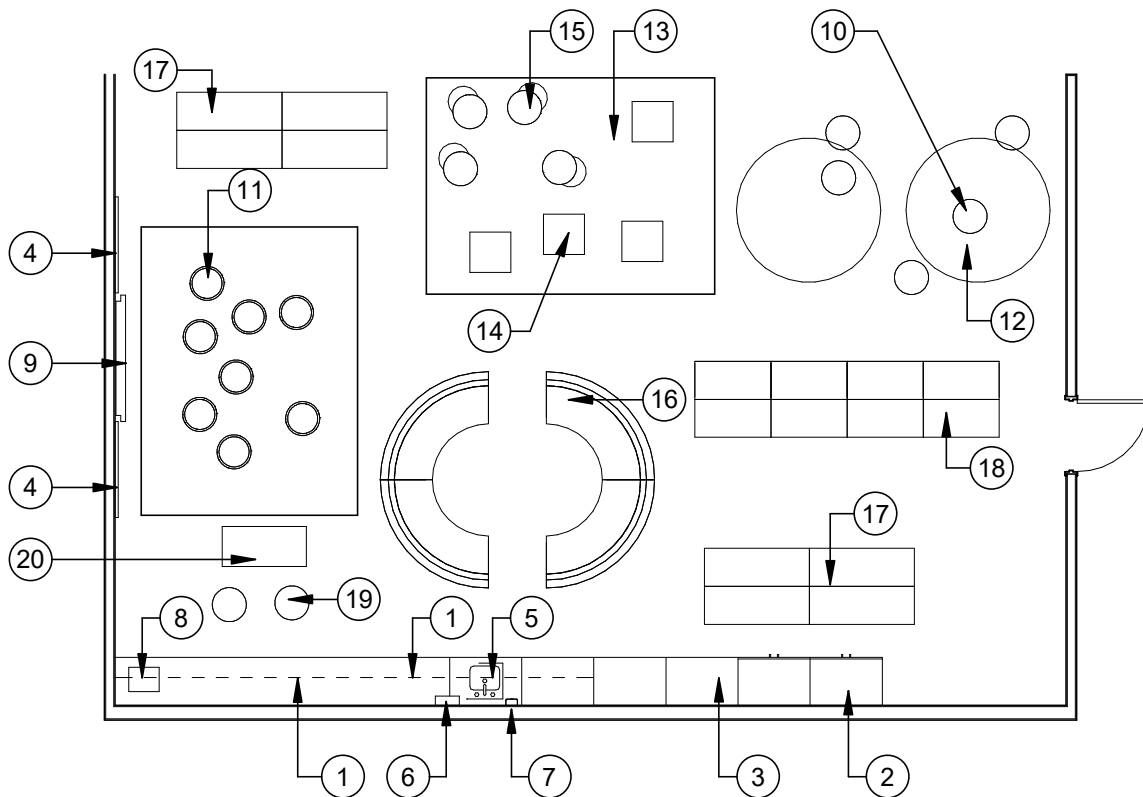
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**3RD - 4TH Grade Collaboration Space****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
2	1,000	2,000	

**SPATIAL RELATIONSHIP:**

Directly adjacent to each grade level classroom cluster, within close proximity of restroom and water fountains.

**SPACE LAYOUT**



**3RD - 4TH Grade Collaboration Space****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Upper and Lower Cabinets		Line one wall with lockable cabinets; provide sink
2	Tall Shelving Unit	2	36" x 24" x 84"; lockable
3	Tote Tray Cabinets	2	36" x 24" x 84"
4	Markerboard	2	4'x5'
5	Sink	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
6	Paper Towel Dispenser	1	
7	Soap Dispenser	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
8	Teacher Tool Set	1	
9	Instructional Display Technology	1	Mount is Owner furnished, Contractor Installed
10	Round Floor Cushions	5	
11	Wobble Cushion	8	
12	Round Carpet	2	6'
13	Accent Carpet	2	9' x 12'
14	Ottoman	4	
15	Comfy Floor Seat	4	
16	Curved Couch	4	
17	Lounge Couch for 3	4	
18	Lounge Couch for 2	4	
19	Comfy Stool	2	
20	Top Table	1	on casters

**NOTES:**

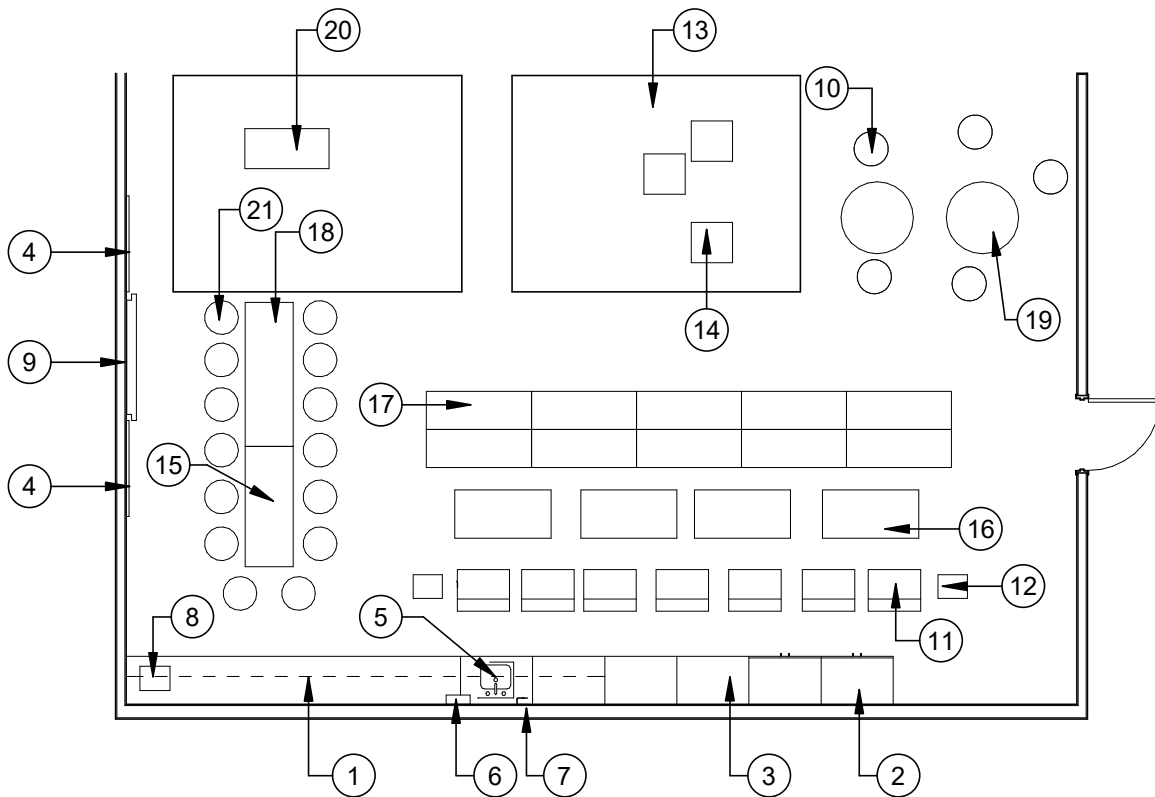
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**5TH Grade Collaboration Space****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	1,000	1,000	

**SPATIAL RELATIONSHIP:**

Directly adjacent to each grade level classroom cluster, within close proximity of restroom and water fountains.

**SPACE LAYOUT**

**5TH Grade Collaboration Space****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Upper and Lower Cabinets		Line one wall with lockable cabinets; provide sink
2	Tall Shelving Unit	2	36" x 24" x 84"; lockable
3	Tote Tray Cabinets	2	36" x 24" x 84"
4	Markerboard	2	4'x5'
5	Sink	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
6	Paper Towel Dispenser	1	
7	Soap Dispenser	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
8	Teacher Tool Set	1	
9	Instructional Display Technology	1	Mount is Owner furnished, Contractor Installed
10	Round Floor Cushions	5	
11	Modular Chair	7	
12	Modular Corner Chair	2	6'
13	Accent Carpet	2	9' x 12'
14	Ottoman	3	
15	Table	1	24x60
16	Table	4	24x48
17	Lounge Couch for 3	5	
18	Table	1	24x72
19	Round Table	2	
20	Top Table	1	on casters
21	Stool	14	

**NOTES:**

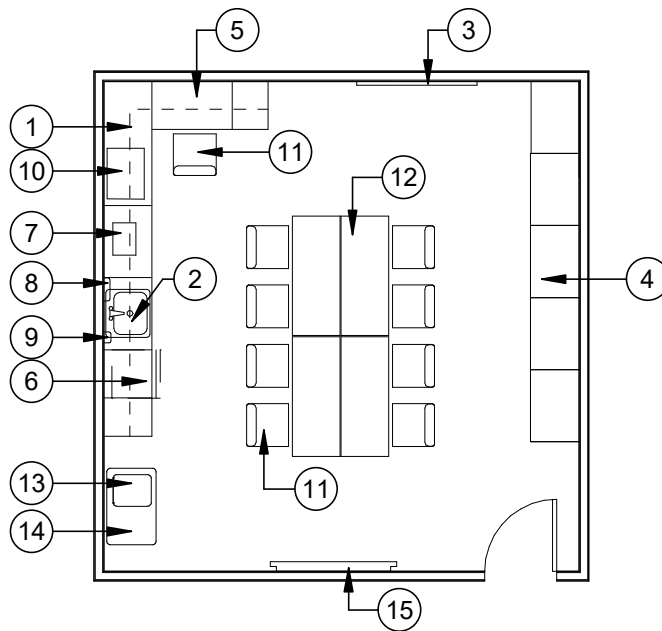
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**PLC - Professional Learning Community / Teacher Workroom****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
6	400	2,400	

**SPATIAL RELATIONSHIP:**

PLC to be in close proximity to each grade level cluster. PLC to be off corridor and adjacent to staff restroom.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Upper and Lower Cabinets		
2	Sink	1	
3	Markerboard	1	4' x 5'
4	Full Height Cabinets	5	
5	Hot Desk Stations	1	Knee space below
6	Refrigerator	1	Under cabinet
7	Microwave	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
8	Paper Towel Dispenser	1	
9	Soap Dispenser	1	

PLC - Professional Learning Community / Teacher Workroom			
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
10	Printer	1	
11	Chairs	9	
12	Flip Table	4	Flip/nest tables; 18"x5'x3'
13	Misc. Tool Set	1	
14	Tech Table	1	
15	Interactive Display	1	Mount is Owner Furnished, Contractor Installed
NOTES:			
1. Window to hallway for supervision.			

## Early Childhood Special Education (ECSE) Classroom and Restroom

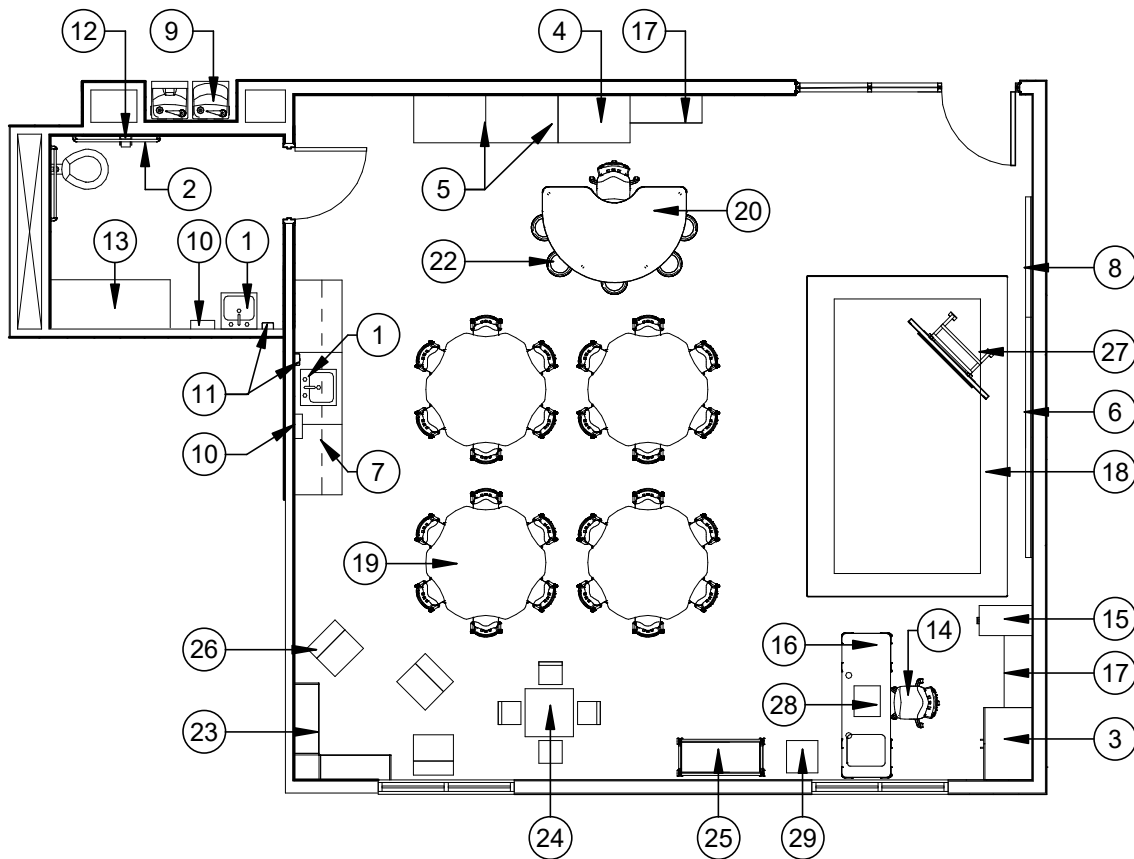
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (ECSE Classroom)	910	910	Classroom inclusion at campus is determined by FBISD Administration.
1 (ECSE Restroom)	100	100	1 restroom per ECSD Classroom

### SPATIAL RELATIONSHIP:

ECSE classroom shall be located adjacent to Pre-K & Kindergarten Classrooms. Should also be in close proximity to main entrance of building.

### SPACE LAYOUT



## Early Childhood Special Education (ECSE) Classroom and Restroom

### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Sink	2	
2	Grab Bars	2	As required by ADA
3	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"
4	Tall Shelving Unit	1	Lockable; 36" x 24" x 84"
5	Tall Shelving Unit	2	36" x 24" x 84" - lower half with hooks, upper for storage ; Lockable
6	Markerboard	1	10'x5'
7	Upper and Lower Cabinets		
8	Markerboard	1	4'x5'
9	Drinking Fountains		Bi-Level with bottle filler; confirm with required counts

### FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
10	Paper Towel Dispenser	2	
11	Soap Dispenser	2	
12	Toilet Paper Dispenser	1	

### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
13	Changing Table - Baby Station	1	Adjacent to electrical receptacle
14	Teacher Chair	2	
15	4 Drawer vertical Filing Cabinet	1	
16	Teacher Desk	1	
17	Shelf Bookcase	2	
18	8'-4" x 13'-4" Rectangle Carpet	1	
19	60" Flower Table	4	
20	Kidney Table	1	
21	Student Chairs 12"	24	
22	Wobble Stool 12 1/2"	5	
23	Hardwood Kitchen Set of 4	1	
24	Pretend & Play Table and Chair Set	1	
25	27-Tray Mobile Storage Center	1	
26	Comfy Seats Set of 3	1	
27	Mobile Instructional Display Technology	1	
28	Teacher Tool Set	1	
29	Student Devices Cart	1	

### NOTES:

1. Provide windows to exterior for access to natural light and views to outdoors.
2. Provide windows to commons hallway for extended learning opportunities outside classroom.

## Pre-Kindergarten - Kindergarten Classroom & Restroom

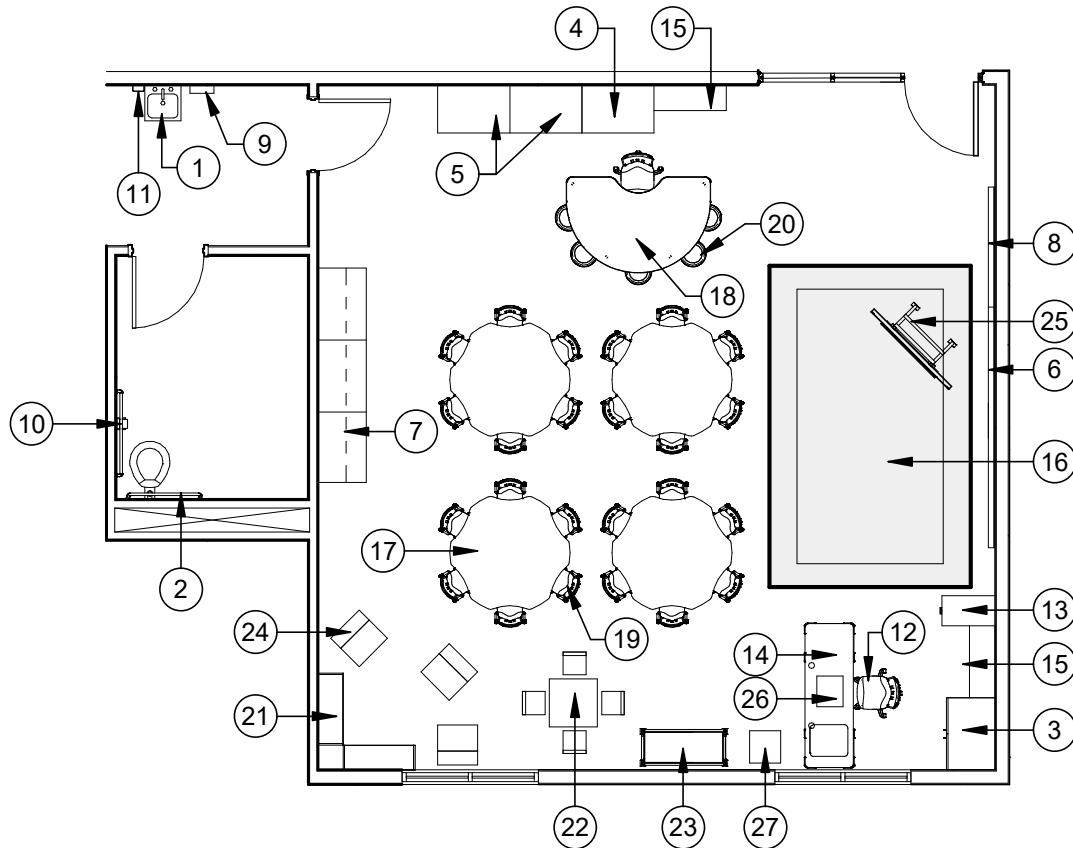
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
9	875	7,875	1 Pre-Kindergarten Classroom and 8 Kindergarten Classrooms
9	60	540	1 restroom at each Pre-Kindergarten and Kindergarten classroom

### SPATIAL RELATIONSHIP:

Pre-K/K classrooms should be grouped together within the PreK/K classroom wing, within close proximity to administration suite, with a separate drop-off and pick-up drive. Classrooms shall be in close proximity to the instructional areas in the school. Restrooms to be shared with adjacent classroom.

### SPACE LAYOUT





## Pre-Kindergarten - Kindergarten Classroom & Restroom

### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Sink	1	
2	Grab Bars	2	As required by ADA
3	Teacher Wardrobe	1	36" x 24" x 84"
4	Tall Shelving Unit	1	36" x 24" x 84"
5	Tall Shelving Unit	2	p
6	Markerboard	1	10' x 5'
7	Upper and Lower Cabinets	1	
8	Markerboard	1	4' x 5'

### FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
9	Paper Towel Dispenser	1	
10	Toilet Paper Dispenser	1	
11	Soap Dispenser	1	

### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
12	Teacher Chair	2	
13	4 Drawer vertical Filing Cabinet	1	
14	Teacher Desk	1	
15	Shelf Bookcase	2	
16	8'-4" x 13'-4" Rectangle Carpet	1	
17	60" Flower Table	4	
18	Kidney Table	1	
19	Student Chairs 12"	24	
20	Wobble Stool 12 1/2"	5	
21	Hardwood Kitchen Set of 4	1	Pre-Kindergarten only
22	Pretend & Play Table and Chair Set	1	Pre-Kindergarten only
23	27-Tray Mobile Storage Center	1	
24	Comfy Seats Set of 3	1	
25	Mobile Instructional Display	1	
26	Teacher Tool Set	1	
27	Student Devices Cart	1	

### NOTES:

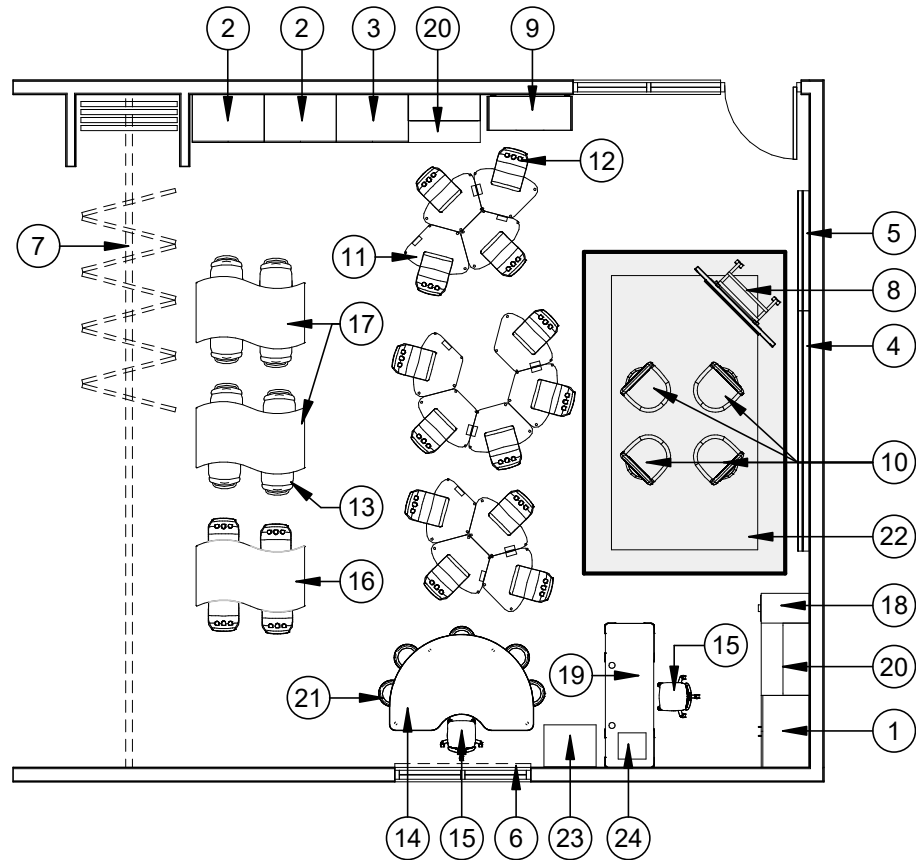
1. Provide windows to exterior for access to natural light and views to outdoors.
2. Provide windows to commons hallway for extended learning opportunities outside classroom.
3. Vision panel to be provided in the door to the alcove.

**1st and 2nd Grade Classroom****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
16	800	12,800	8 per Grade Level

**SPATIAL RELATIONSHIP:**

Locate clusters of classrooms around grade level collaboration space in close proximity to IPS and PLC spaces as well as student restrooms. Access to outdoor learning / play areas should be considered.

**SPACE LAYOUT**

**1st and 2nd Grade Classroom****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	1	36" x 24" x 84"
2	Tall Shelving Unit	2	36" x 24" x 84" ; Lower half w/hooks; upper for storage
3	Tall Shelving Unit	1	
4	Markerboard	1	10' x 5'
5	Markerboard	1	4' x 5'
6	Window Covering	1	
7	Magnetic Folding Partition	1	Markerboard

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
8	Mobile Instructional Display Technology	1	
9	Mobile Storage Center	1	27-Tray
10	Comfy Floor Seat	4	
11	Student Desk	13	
12	Student Chair	17	14"
13	Floor Rocker	8	
14	Kidney Table	1	
15	Teacher Chair	2	
16	Activity Table	1	30"x54"
17	Activity Table (Floor Height)	2	30"x54"
18	Filing Cabinet	1	4-Drawer
19	Teacher Desk	1	
20	Bookcase	2	3-Shelf
21	Wobble Stool	5	12 1/2"
22	Rectangular Rug	1	8'4"x13'4"
23	Student Devices Cart	1	
24	Teacher Toolset	1	

**NOTES:**

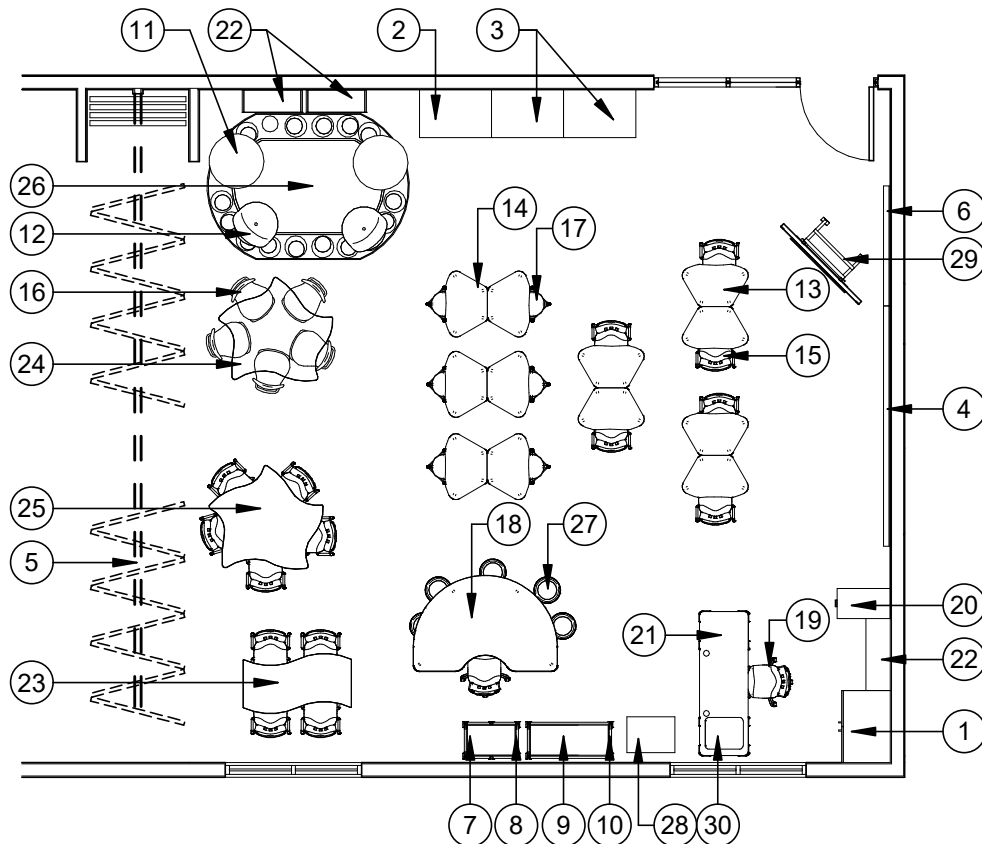
1. Provide windows to exterior for access to natural light and views to outdoors.
2. Provide windows to commons hallway for extended learning opportunities outside classroom.

**3rd, 4th, and 5th Grade Classroom****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
8 (5th Grade)	875	7,000	8 per Grade Level
16 (3rd, 4th Grade)	800	12,800	8 per Grade Level

**SPATIAL RELATIONSHIP:**

Locate clusters of classrooms around grade level collaboration space in close proximity to IPS and PLC spaces as well as student restrooms. Access to outdoor learning / play areas should be considered.

**SPACE LAYOUT**

**3rd, 4th, and 5th Grade Classroom****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	1	36" x 24" x 84"
2	Tall Shelving Unit	1	36" x 24" x 84"
3	Tall Shelving Unit	2	36" x 24" x 84" - lower half with hooks, upper for storage
4	Markerboard	1	10'x5'; below projection device
5	Magnetic Folding Wall	1	Markerboard surface
6	Markerboard	1	4' x 5'

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
7	12-Bin Storage Center	1	
8	Set of 12 Bins	1	
9	24-Bin Storage Center	1	
10	Set of 24 Bins	1	
11	Bean Bag Seat	2	
12	Flex Space Comfy Floor Seat	2	
13	Student Desk molded top, NO box	6	
14	Student Standing Desk molded top, NO box	6	
15	Student Chairs 16" or 18"	15	16" for 3rd grade; 18" for 4th and 5th grade
16	Student Chairs Floor Rocker	5	
17	Student Stools	6	
18	Kidney Table sure edge	1	
19	Teacher Chair	2	
20	4 Drawer vertical Filing Cabinet	1	
21	Teacher Desk	1	
22	3 Shelf Bookcase	2	3 for ELA rooms; 2 for all others
23	Group Table 30x54	1	
24	Group Table 60" Floor Leg	1	
25	Group Table 60"	1	
26	Sitting Spot Oval Rug 6' x 8'4"	1	
27	Wobble Stool 15 1/2" or 18 1/2"	5	15 1/2" for 3rd grade; 18 1/2" for 4th and 5th grade
28	Student Devices Cart	1	
29	Mobile Instructional Display Technology	1	
30	Teacher Toolset	1	

**NOTES:**

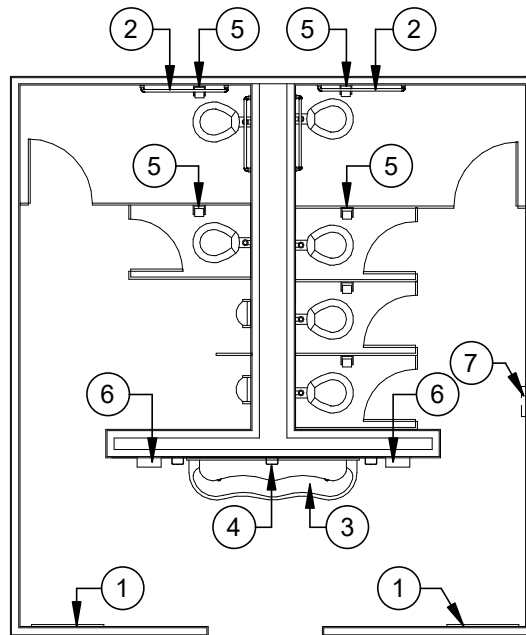
1. Provide windows to exterior for access to natural light and views to outdoors.
2. Provide windows to commons hallway for extended learning opportunities outside classroom.

**Student Restroom****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
10	190	1,900	Two (2) per grade level 1st through 5th

**SPATIAL RELATIONSHIP:**

Located in close proximity to the grade level classroom clusters, off corridor near collaboration space, IPS and PLC rooms.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Mirror	2	1 per Boys and Girls
2	Grab Bars	4	As required in handicap stalls
3	Multi User Basin Sink	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
4	Soap Dispenser	3	
5	Toilet Paper Dispenser	6	1 per stall
6	Paper Towel Dispenser	2	
7	Sanitary Napkin Dispenser		Grades 3rd-5th only

**NOTES:**

1. Two stalls (minimum) per restroom.
2. Preferred location within the grade pod rather than off the main corridor.

## Specialized Classrooms A & B and Support Spaces

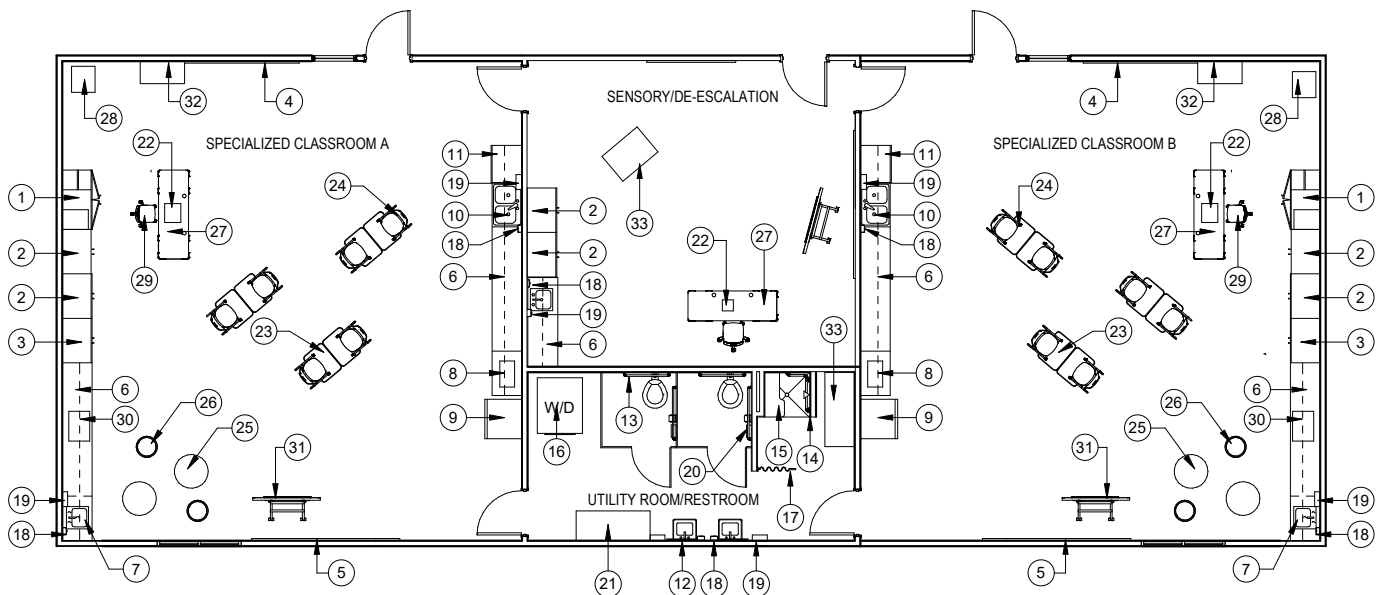
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
2 (CR A & B)	1,000	2,000	
1 (Sensory/De-Escalation)	450	450	
1 (Utility Room/Restroom)	250	250	Provide power/water for washer & dryer within space

### SPATIAL RELATIONSHIP:

Specialized Classrooms should be located within close proximity to each other, clinic, elevator, and grade level cluster. Classrooms A & B to be on the first floor. Camera and microphone infrastructure to be considered in Specialized Classrooms (see Technology Standards). Utility Room/Restroom and Sensory/De-escalation to be located between Specialized Classrooms A and B with access from corridor and specialized classrooms A and B.

### SPACE LAYOUT



## Specialized Classrooms A & B and Support Spaces

### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	2	36" x 24" x 84"
2	Tall Shelving Unit	6	36" x 24" x 84"; hooks and storage; Lockable
3	Tall Shelving Unit	2	36" x 24" x 84"; hooks and storage
4	Mirror	2	6'x10'
5	Markerboard	2	5'x10'
6	Upper and Lower Cabinets		
7	Sink	5	
8	Microwave	2	
9	Refrigerator	2	with ice maker
10	Double Compartment Sink	2	
11	Dishwasher	2	
12	Mirror	2	Over Sink
13	Grab Bars	4	As required in handicap stalls
14	Shower	1	Handicap Accessible
15	In-Shower Bench	1	Handicap Accessible
16	Washer and Dryer	1	Full size Washer and Dryer. Can be stacked or side by side
17	Shower Curtain	1	

### FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
18	Soap Dispenser	7	
19	Paper Towel Dispenser	7	
20	Feminine Napkin Disposal	2	1 per stall
21	Changing Table	1	Power Required

### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
22	Teacher Tool Set	3	
23	Student Desk	12	
24	Student Chair	12	
25	Bean Bags	4	
26	Wobbly stools	4	
27	Teacher Desk	3	
28	Student Devices	2	
29	Teacher Chair	3	
30	Printer	1	
31	Mobile Instructional Display Technology	2	
32	Portable Lift	2	
33	Lift	2	

#### NOTES:

1. Only Specialized Classrooms A & B (1,000 SF) to have kitchenette's.
2. Utility Room/Restroom room signage to be labeled as laundry.
3. Sensory/De-escalation to be labeled Auxillary Room.
4. Specialized Classroom A and B room signage to match typical classrooms.

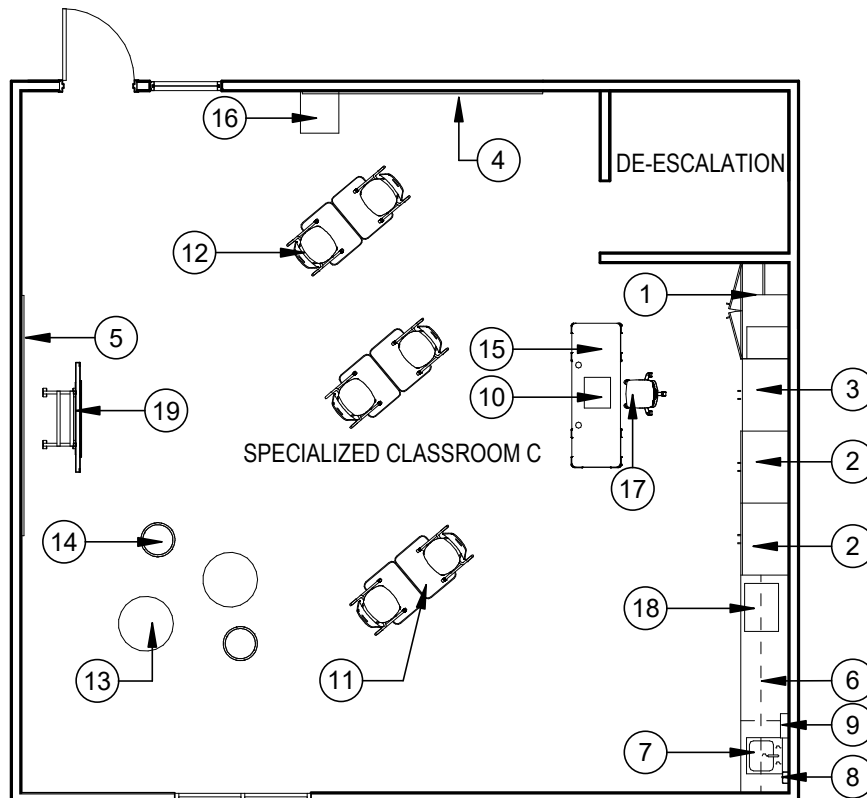


**Specialized Classroom C****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Specialized Classroom C)	800	800	Power receptacles to be tied to emergency generator for life support equipment.
1 (De-Escalation)	50	50	

**SPATIAL RELATIONSHIP:**

Specialized Classrooms should be located within close proximity to each other, clinic, elevator, and grade level cluster. Camera and microphone infrastructure to be considered in Specialized Classrooms (see Technology Standards).

**SPACE LAYOUT**

**Specialized Classroom C****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	1	36" x 24" x 84"
2	Tall Shelving Unit	2	36" x 24" x 84"; hooks and storage
3	Tall Shelving Unit	1	36" x 24" x 84"; hooks and storage
4	Mirror	1	6'x10'
5	Markerboard	1	10'x5'
6	Upper and Lower Cabinets		
7	Sink	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
8	Soap Dispenser	1	
9	Paper Towel Dispenser	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
10	Teacher Tool Set	1	
11	Student Desk	6	
12	Student Chair	6	
13	Bean Bags	2	
14	Wobbly stools	2	
15	Teacher Desk	1	
16	Student Devices	1	
17	Teacher Chair	1	
18	Printer	1	
19	Mobile Instructional Display	1	

**NOTES:**

1. Provide windows to exterior for access to natural light and views to outdoors.
2. Provide windows to commons hallway for extended learning opportunities outside classroom.
3. Room Signage to match general classrooms. De-escalation sign should be identified as auxiliary room.

## Instructional Pull-Out Space (IPS)

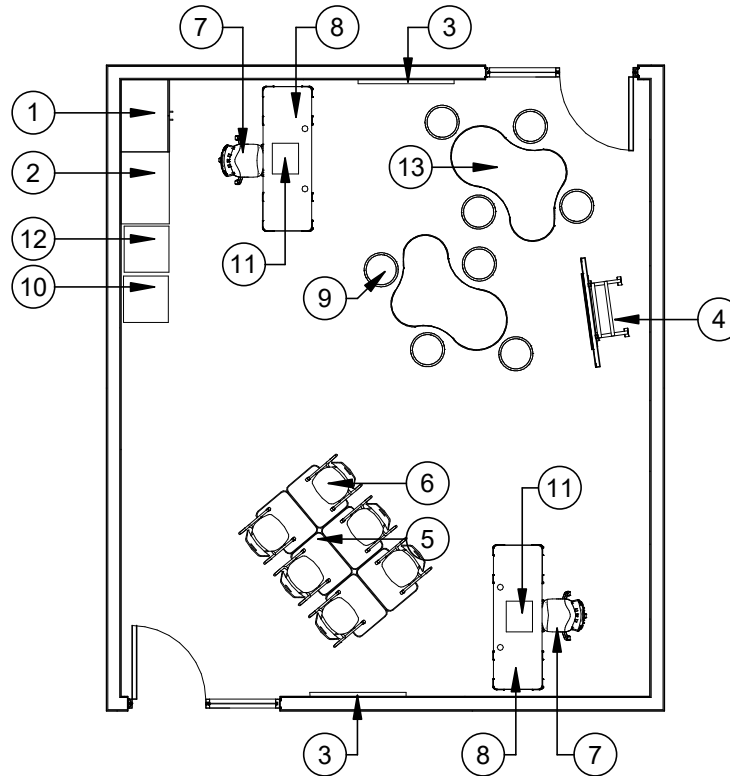
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
6	600	3,600	Classroom to be flexible for varied use by campus.

### SPATIAL RELATIONSHIP:

IPS room should be centrally located within or adjacent to classroom grade clusters.

### SPACE LAYOUT



### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"
2	Tall Shelving Unit	1	36" x 24" x 84"; Lower half w/hooks; upper for storage
3	Markerboard	2	4' x 5'

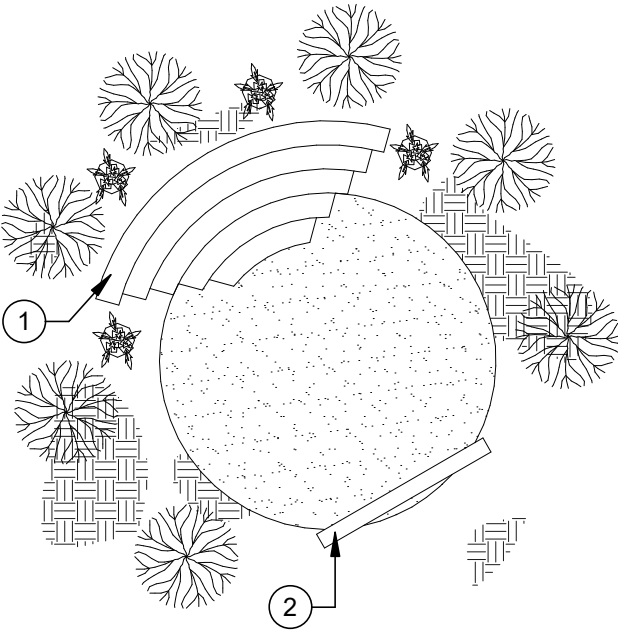
### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
4	Mobile Instructional Display Technology	1	
5	Student Desk	6	
6	Student Chair	6	14"
7	Teacher Chair	2	
8	Teacher Desk	2	
9	Student Stools	8	12 1/2"
10	Computer On Wheels	1	12 total devices

Instructional Pull-Out Space (IPS)			
11	Teacher Toolset	2	1 Per Teacher Desk
12	Tote Tray Cabinet	1	
13	Amobe Table	2	
<b>NOTES:</b>			
1. Provide windows to exterior for access to natural light and views to outdoors. 2. Provide windows to commons hallway for extended learning opportunities outside classroom. 3. Room signage to match typical classroom signs.			

Outdoor Learning

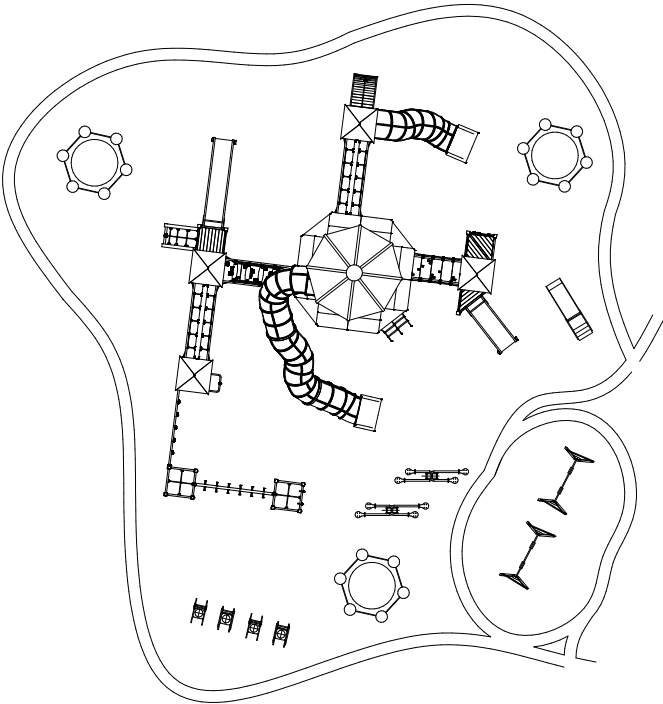
PROGRAM SPACES			
Quantity:	Area (SF):	Total (SF):	Comments:
2	Not included in Building SF.		
SPATIAL RELATIONSHIP:			
Located with direct access from classroom wings.			
SPACE LAYOUT			



FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Outdoor Seating	2	Tiered; One per Outdoor Learning
2	Display/Outdoor Chalkboard	2	One per Outdoor Learning
NOTES:			

Outdoor Play Area

PROGRAM SPACES			
Quantity:	Area (SF):	Total (SF):	Comments:
2	Not included in Building SF.		
SPATIAL RELATIONSHIP:			
Located with direct access from classroom wings.			
SPACE LAYOUT			

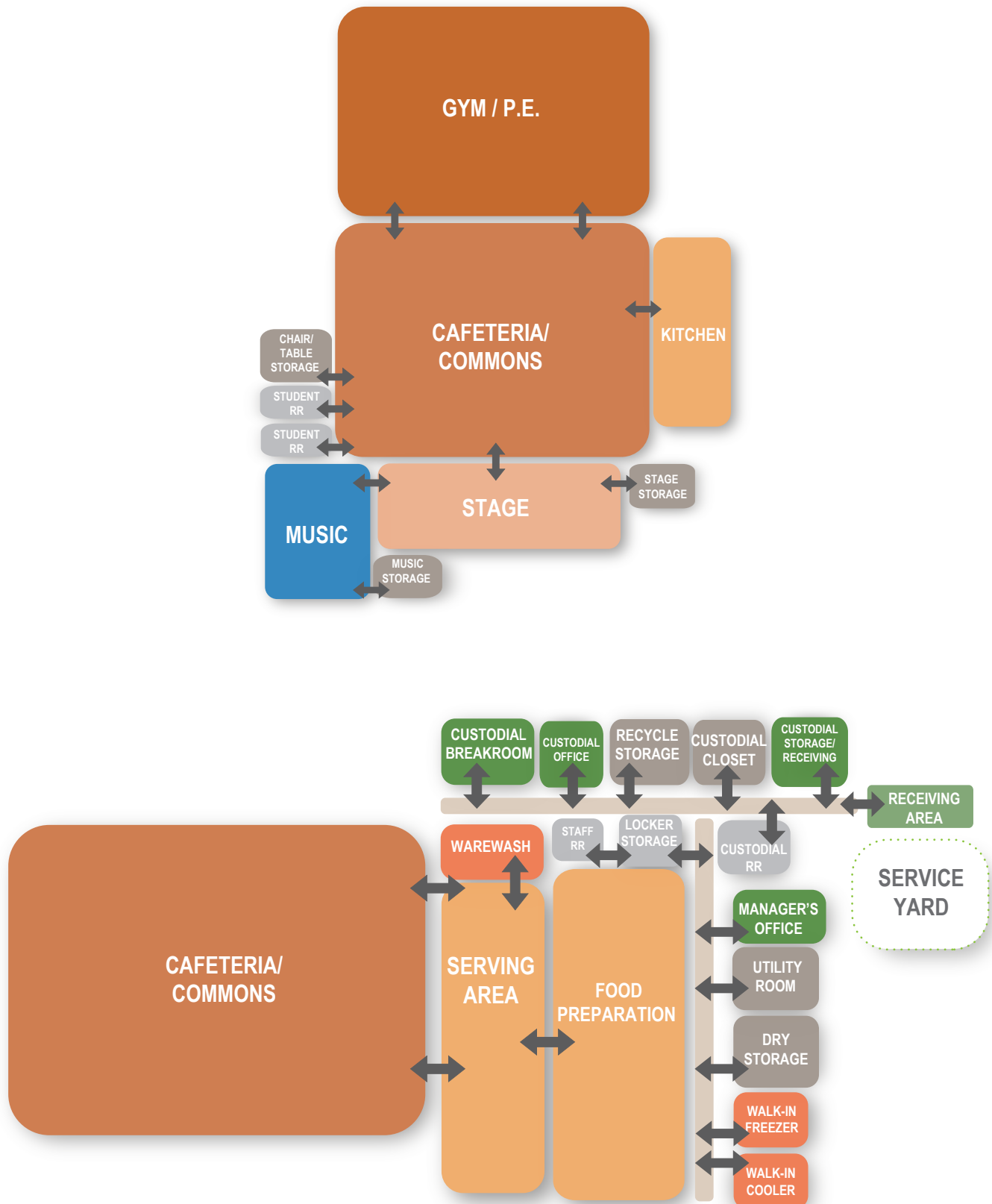


FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Playground Structure	2	One per Outdoor Play Area
NOTES:			

# Cafeteria Kitchen Custodial

# RELATIONSHIP DIAGRAM

## CAFETERIA, KITCHEN, AND CUSTODIAL





## Student Dining and Support Spaces

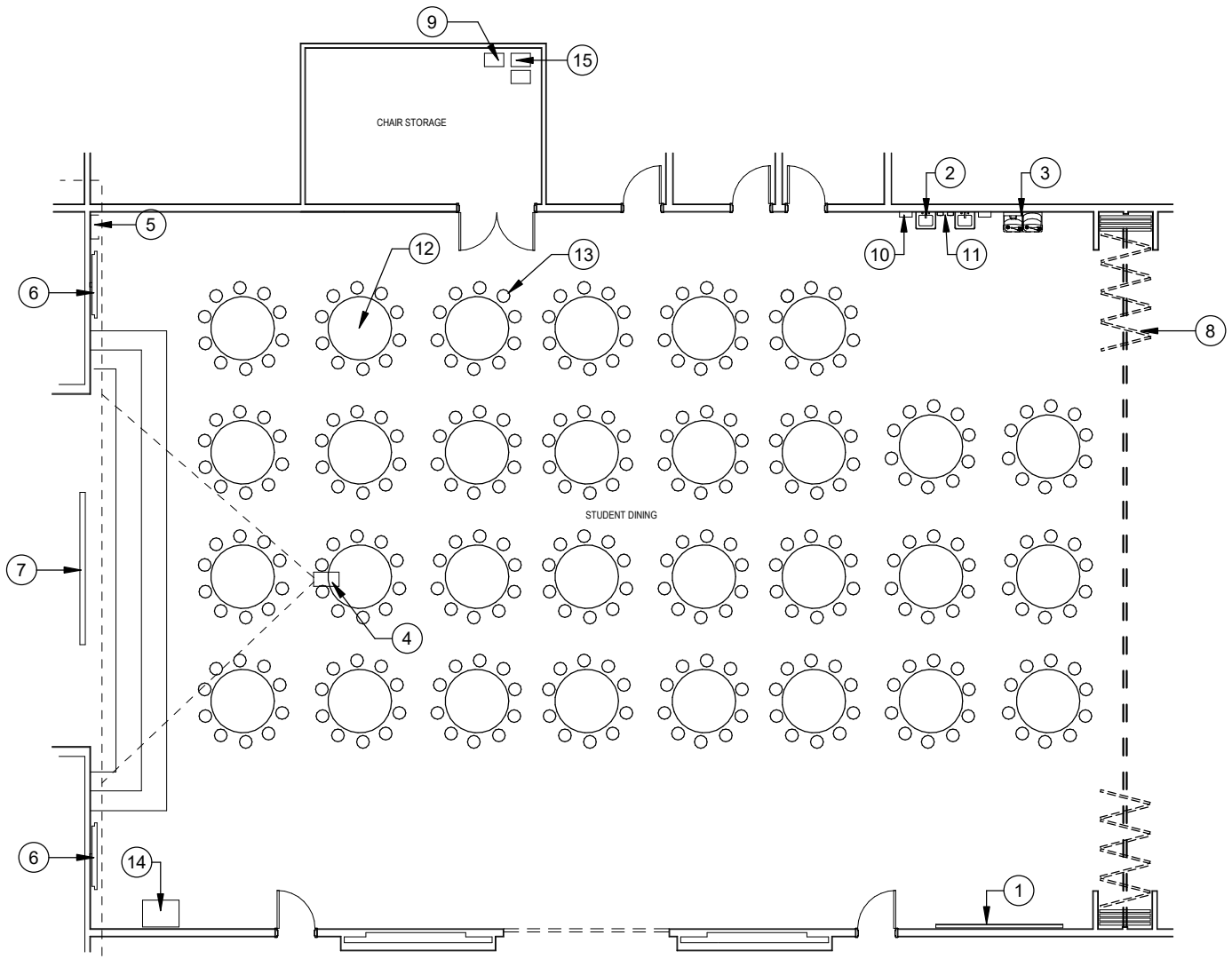
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Student Dining)	4,675	4,675	Cafeteria used after hours, secure academic area with overhead gates.
1 (Chair Storage)	225	225	

### SPATIAL RELATIONSHIP:

Cafeteria to be easily accessible from bus pick up area and main entry to school. Cafeteria and gymnasium should be adjacent and separated by folding partition. Provide chair and table storage, and locate close to restrooms.

### SPACE LAYOUT



## Student Dining and Support Spaces

### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	1	5' x 10'
2	Sink	2	Hand washing
3	Drinking Fountain	2	Bi-Level with bottle filler; confirm with req.
4	Projection Device	1	Ceiling mounted; on retractable platform
5	DMX Controls	1	Coordinate location with Technology
6	Large Area Display Technology	2	
7	Motorized Projection Screen	1	
8	Motorized Folding Partition	1	With man door
9	TDLR Assistive Listening Devices		Based on Capacity

### FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
10	Paper Towel Dispenser	2	
11	Soap Dispenser	2	

### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
12	Cafeteria Table	30	
13	Cafeteria Chairs	300	
14	Cafeteria/Gym Tool Set	1	On mobile cart
15	Chair Dollies	2	In Chair Storage

#### NOTES:

1. Cafeteria is rented to non-profit agencies after hours per FBISD policy.
2. Floor pattern to be designed to allow for children to be organized into groups.
3. Utilize colors to enhance the dining experience.
4. Utilize super graphics to create visual interest.
5. Consult with acoustician during design to ensure quality of acoustical design in room.
6. Provide plenty of charging stations.

## Kitchen, Custodial, and Support Spaces

### PROGRAM SPACES

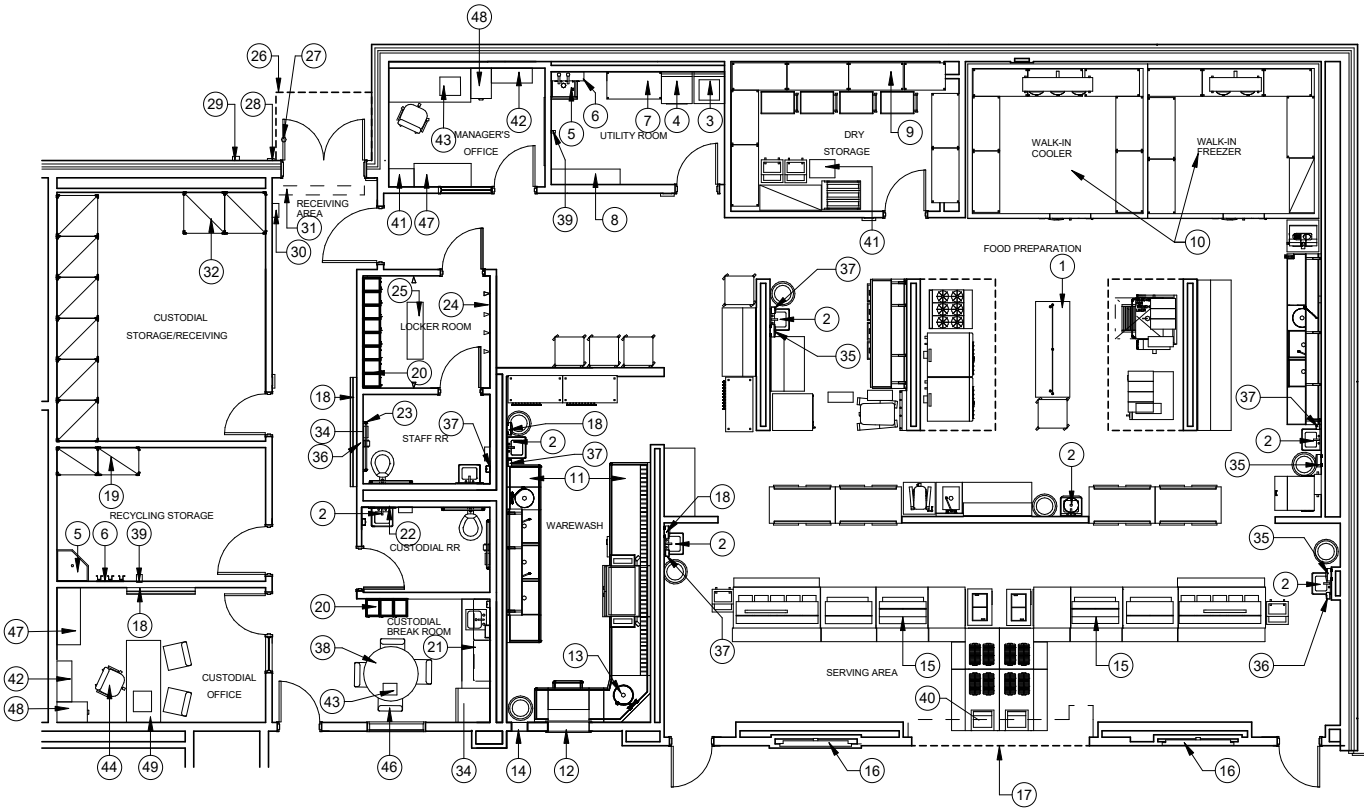
Quantity:	Area (SF):	Total (SF):	Comments:
1 (Serving Area)	950	950	Colorful graphics/ menu to be on walls at serving lines.
1 (Warewash)	300	300	Alcove in cafeteria into warewash for tray return and four trashcans.
1 (Walk-in cooler)	125	125	Use pre-fab stainless steel, diamond cut self contained units.
1 (Walk-in Freezer)	175	175	Use pre-fab stainless steel, diamond cut self contained units.
1 (Dry Storage)	205	205	
1 ( Manager's Office)	80	80	
1 (Utility Room)	70	70	
2 (Food Prep)	555	1,110	All foods are prepared by scratch, refer to FBISD standards for equipment.
1 (Receiving Area)	100	100	Peephole and doorbell required at delivery door.
1 (Staff Restroom)	60	60	
1 (Locker Room)	75	75	Locate close to restroom.
1 ( Custodial Breakroom)	250	250	
1 (Custodial Office)	100	100	Custodial corridor needed to service yard.
1( Custodial Storage/Receiving)	300	300	
1 (Custodial Restroom)	60	60	
1 ( Recycling Storage)	150	150	

### SPATIAL RELATIONSHIP:

Preparing food for staff/students. Per FBISD requirements, all food is prepared fresh; no prepared or pre-cooked foods. Utility room is for use by kitchen personnel only. Freezer and Cooler are to be tied to the emergency generator. Area between serving lines and kitchen preparation area should be open. Kitchen Manager office to have view of receiving door. Recycling storage room to be located near service yard. Receiving area to be located within 6' of the delivery truck bed in service yard.

### SPACE LAYOUT

Kitchen, Custodial, and Support Spaces



**Kitchen, Custodial, and Support Spaces****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Food Service Equipment	1	18"Dx36"Wx72"H; adjustable shelves.
2	Sink	9	Hand washing
3	Commercial Washer	1	
4	Commercial Dryer	1	
5	Mop Sink	2	With drain
6	Mop Rack	2	
7	Metal Shelving	1	12" x 36" 72"
8	Countertop	1	5' Long
9	Dunnage Racks		Line wall
10	Freezer and Cooler Units	1 EA	By consultant
11	Warewash Equipment	1	
12	Overhead Counter Door	1	
13	Floor Sink	1	With disposer
14	Silverware Drop	1	
15	Serving Lines	2	Tray rail to be 26" wide; Entrances to lines on opposite sides with exits adjacent to each other, with cashiers next to each other. No scatter system allowed. Provide pony walls at serving lines. By consultant.
16	Kitchen Menu System Device	2	Locate above food service equipment. Confirm locations with FBISD Child Nutrition Department.
17	Overhead Grill	1	
18	Markerboard	2	5'x4' ; 5'x10' in Break Room
19	Tall Shelving	2	18"Dc36"Wx72"H; adjustable shelves
20	Lockers	22	15"D x 12"W x 5'H; double tier.
21	Upper and Lower Cabinets	1	
22	Mirror	2	
23	Grab Bars	4	As required by ADA
24	Hooks	6	48" AFF
25	ADA Bench	1	
26	Canopy	1	
27	Peephole	1	
28	Doorbell	1	
29	Hose Bibb	1	
30	Time Clock	1	
31	Air Curtain	1	By consultant
32	Metal Shelving	8	20"Wx6'Hx3'D; adjustable shelves; gang together and affix to walls
33	Refrigerator	1	With Ice

**FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
34	Feminine Napkin Disposal	2	
35	Paper Towel Dispenser	9	
36	Toilet Paper Dispenser	2	
37	Soap Dispenser	5	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
38	Table	1	
39	Chemical Dispenser	2	
40	POS Registers	2	
41	Safe	2	
42	Bookcase	1	Moveable

Kitchen, Custodial, and Support Spaces			
43	Office Tool Set	3	
44	Task Chair	2	
46	Chair	6	
47	Worktable	1	
48	File Cabinet	1	
49	Desk	2	
<b>NOTES:</b>			
<p>1. Layout of kitchen and equipment must be coordinated and approved by FBISD Child Nutrition Department. Shop Drawings for all equipment in the kitchen must be reviewed with FBISD Child Nutrition Department prior to approval. No changes to the kitchen layout shall be made without FBISD Child Nutrition Department approval.</p> <p>2. Provide cameras in production/preparation area, serving lines, and in point of sale (POS) locations.</p> <p>3. Provide robust Wi-Fi access.</p> <p>4. All components of walk-in cooler/freezer to be connected to the emergency generator.</p>			

## Service Yard

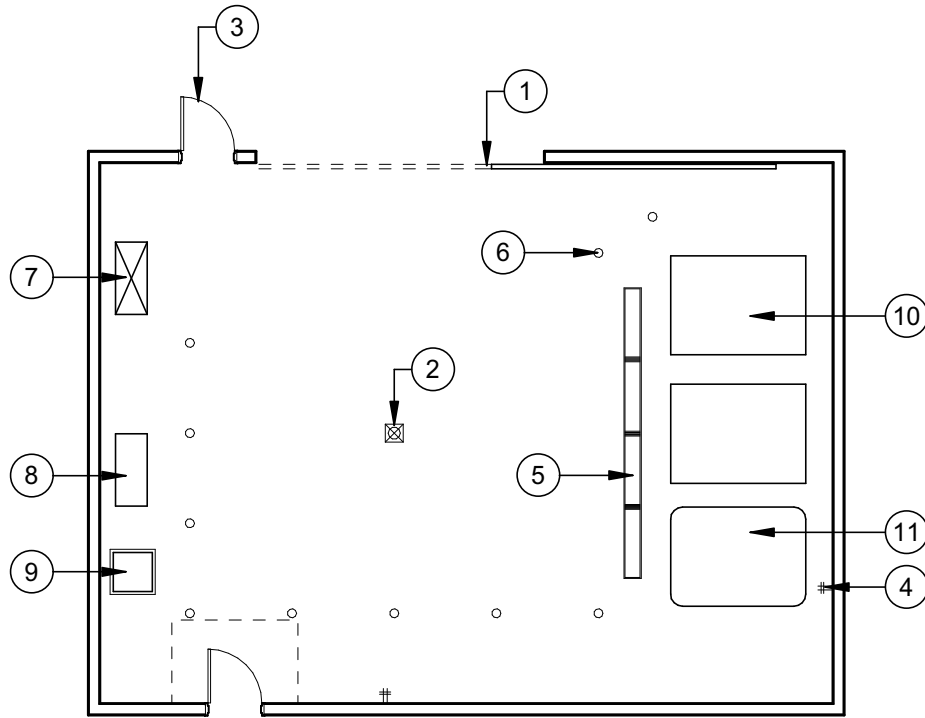
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1			

## SPATIAL RELATIONSHIP:

Locate adjacent to receiving.

## SPACE LAYOUT



## FURNITURE &amp; EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Rolling Gate	1	
2	Drain	1	
3	Access Door	1	
4	Hose Bibb	1	
5	Trench Drain	1	
6	Removable Bollards	10	
7	Transformer	1	Coordinate with utility
8	Gas Meter	1	Coordinate with utility
9	Condensing Unit	1	Coordinate with Food Service Consultant

## FURNITURE &amp; EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
10	Dumpsters	2	
11	Recycling	1	

## NOTES:

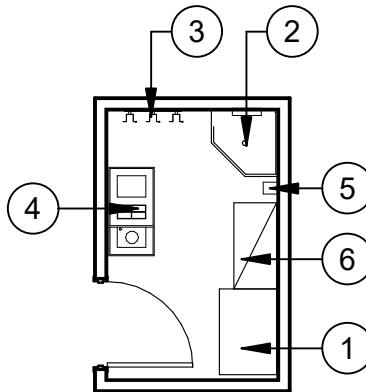
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**Custodial Closet****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
6	60	360	

**SPATIAL RELATIONSHIP:**

Small custodial closets are to be distributed throughout the school.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Metal Shelving	1	18"Dx36"Wx72"H; adjustable shelves; affix to wall
2	Mop Sink with drain	1	
3	Mop Rack	1	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
4	Custodial Cart	1	
5	Chemical Cleaning Dispenser	1	
6	Plastic Shelving	1	

**NOTES:**

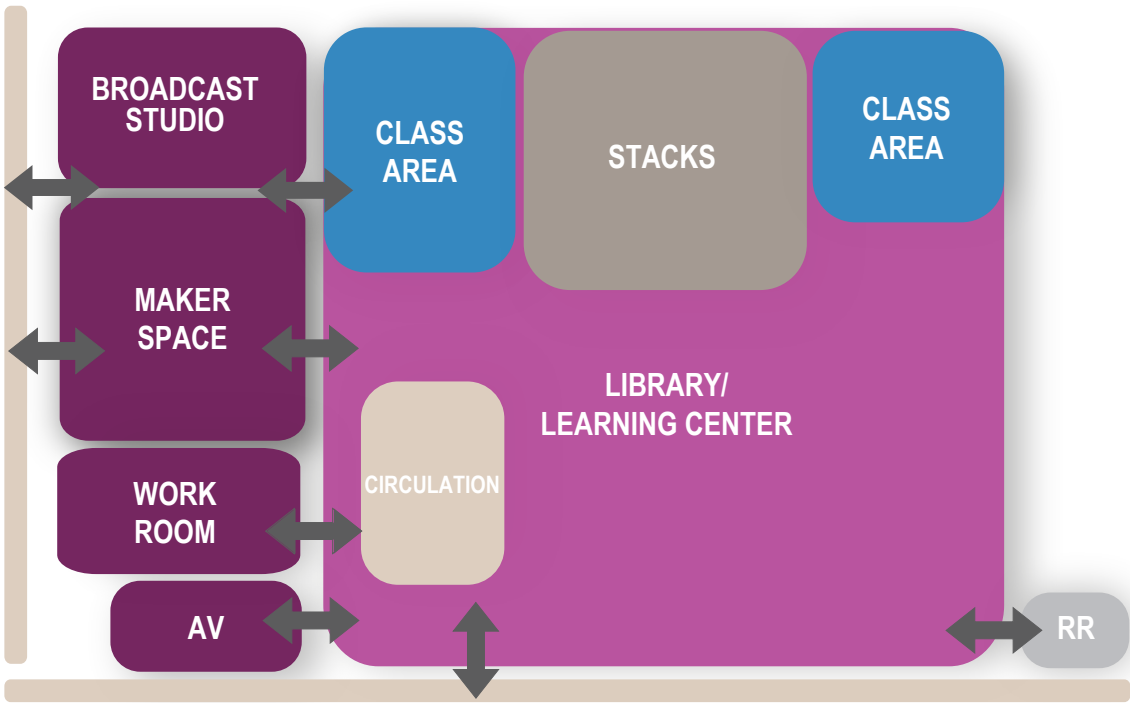
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# Library

RELATIONSHIP DIAGRAM

LIBRARY



## Library/Learning Center and Support Spaces

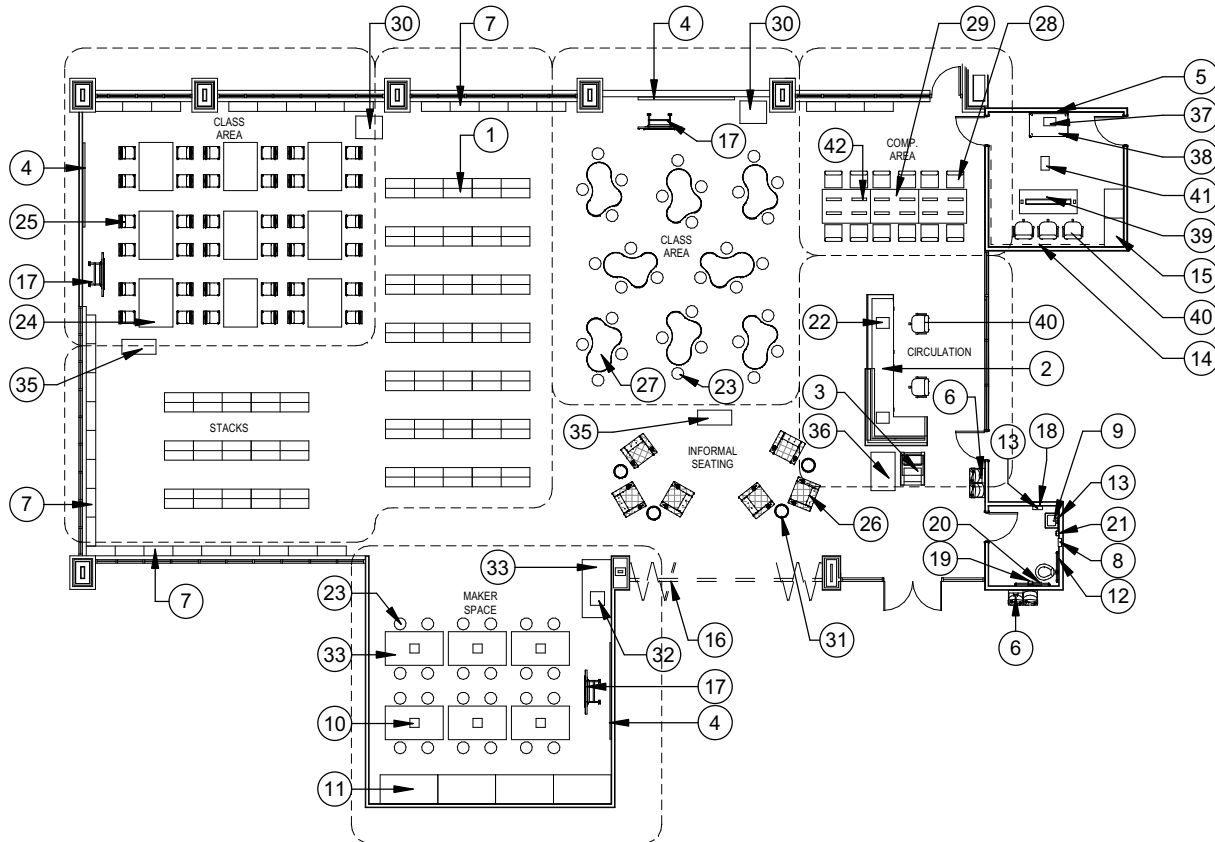
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Library / Learning Center)	4,000	4,000	Library shall be one-story. Size is based on capacity.
1 (Makerspace)	500	500	Furniture should be on casters to be easily moveable. Lights should be dimmable.
1 (Broadcast Studio)	200	200	Green walls to be provided.
1 (Library Restroom)	1	60	Key access locks to be provided.

### SPATIAL RELATIONSHIP:

Library should be easily accessible to all classrooms however, should be isolated from noisy parts of the school. Makerspace should be located within the library - not an enclosed space. Restroom located within or adjacent to Library in order for restroom to be used when rest of school is closed and Library is open. Broadcast studio should be adjacent to library and be accessible from Library and corridor.

### SPACE LAYOUT



### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

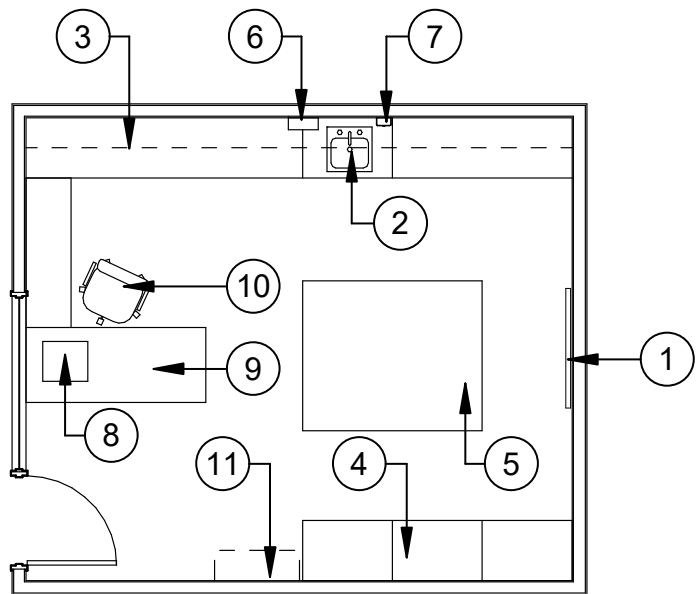
Tag #	Furniture / Equipment	Quantity	Notes
1	Library shelving with Plastic Laminate tops		1,200 LF min.; Adjustable shelves; casters; with bookends.
2	Circulation desk with book drop	1	Handicap accessible; Book drop at front of desk.
3	Book Truck		1 mobile
4	Markerboard	3	5' x 10'
5	Markerboard	1	4' x 5'

Library/Learning Center and Support Spaces			
6	Water Fountain	4	Bi-Level with bottle filler
7	Perimeter Shelving		84" tall, 42" tall where there are windows above; line walls
8	Trash Receptacle	1	Recessed in Restroom
9	Sink	1	
10	Overhead Power Reels	6	
11	Storage Cabinets	4	3' x 6' x 30"; tote trays
12	Grab Bars	2	As required by ADA
13	Mirror	1	
14	Green Wall		2 walls
15	Tall Shelving Unit	2	Lockable; adjustable shelves, 36" x 24" x 84"
16	Folding Glass Wall	1	Open to Hallway
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
17	Mobile Instructional Display Technology	3	Display in classroom to be mounted
18	Paper Towel Dispenser	1	
19	Toilet Paper Dispenser	1	
20	Feminine Napkin Disposal	1	
21	Soap Dispenser	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
22	Library Tool Set	2	Circulation desk
23	Stools	56	Not bar height
24	Student Tables	9	
25	Chair	36	Non-rolling
26	Soft Seating	6	
27	Amoeba Tables	8	Seats 4
28	Rolling Chair	12	
29	Computer Table	3	
30	Student Devices Cart	2	Provide anchor to wall; One in each class area
31	Wobbly Stools	4	
32	Teacher Tool Set	1	
33	Table	6	On casters
34	Mobile Instructional Display Technology	2	Mount if Owner Furnished, Contractor Installed and
35	Charging Station	2	
36	Mobile Drop Box	1	
37	Broadcast Tool Set	1	
38	Activity Table	1	
39	Broadcast Table	1	
40	Task Chair	5	
41	Camera	1	Movable
42	Student Devices	12	
NOTES:			
1. Provide story corner for 25-30 students and independent study area for 35 students. 2. Provide seating areas and work tables close to stacks. 3. The Librarian and assistant need to be able to visually control the entire library from the circulation desk. Supervision should be maintained in the space. 4. Add passive monitoring via mirrors in blind spots. 5. No newspaper rods or magazine racks as shelving options. 6. Provide windows above shelving along walls where possible.			

## Library/Learning Center and Support Spaces

7. Tackable wall surface to display student work in makerspace.
8. Provide a safe room secure for lockdowns. Consider Broadcast room.
9. Provide ability to turn off lights from multiple locations.
10. Provide sufficient outlets for devices. No Floor Outlets.
11. Provide storage lock at library restrooms.
12. Door leading to Broadcast can have door light.
13. Power for lights is needed on wall perpendicular to green wall.
14. Two doors preferred in this room.

Library Workroom / Office			
PROGRAM SPACES			
Quantity:	Area (SF):	Total (SF):	Comments:
1	200	200	
SPATIAL RELATIONSHIP:			
Library Workroom/Office should be adjacent to Library near circulation desk with glass for supervision and positioned so seating/stacks can be visually controlled from Workroom.			
SPACE LAYOUT			



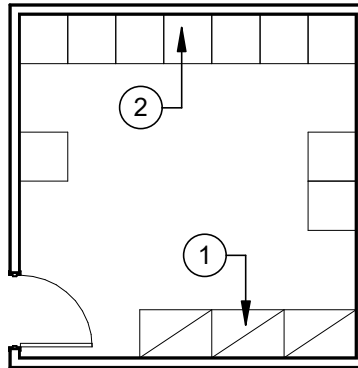
Library Workroom / Office			
FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	1	5' x 10'
2	Sink		
3	Upper and Lower Cabinets		Line one wall
4	Tall Shelving	3	36" x 24" x 84"; for books in need of repair
5	Built-in Millwork Table	1	72" x 60"
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
6	Paper Towel Dispenser	1	
7	Soap Dispenser	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
8	Misc. Tool Set	1	
9	Desk	1	With Return
10	Task Chair	1	
11	Laminator	1	Future
NOTES:			
1. Provide window to library for supervision.			

**Library A/V Storage****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	100	100	

**SPATIAL RELATIONSHIP:**

To be located with direct access to corridor and adjacent to library/workroom.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Tall Shelving Unit	3	36" x 24" x 84"

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
2	Student Devices Storage Carts	10	

**NOTES:**

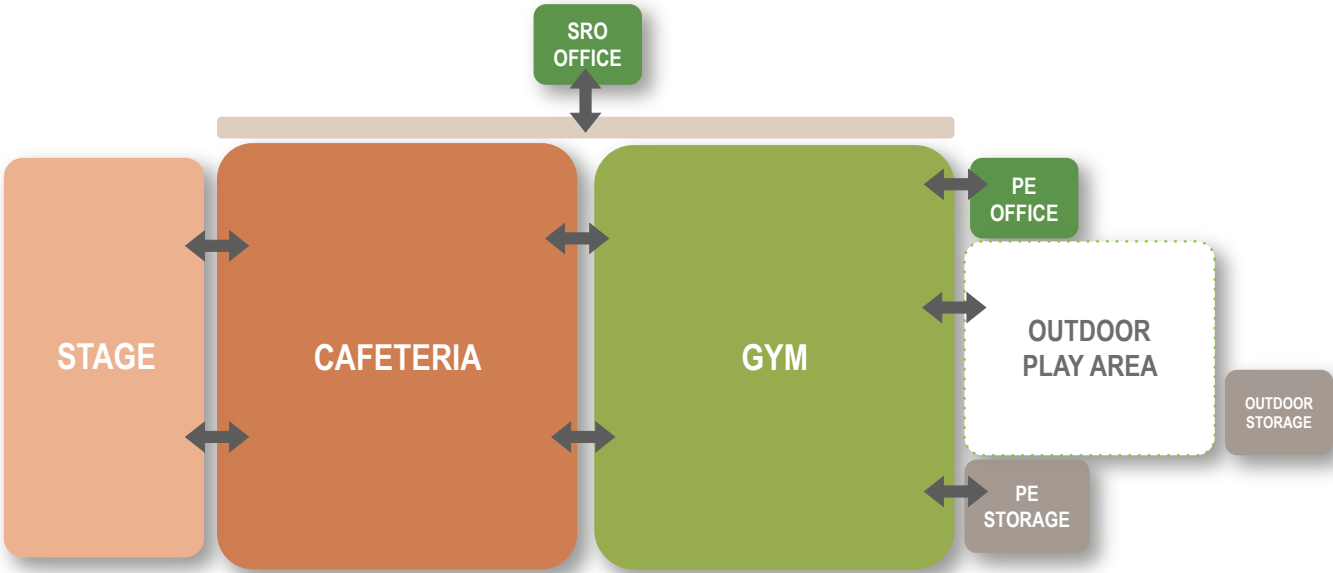
1. Allow space for student devices storage cart charging along one entire wall. Provide dedicated electrical outlets for a minimum of ten (10) carts.



# Athletics/ Physical Education

RELATIONSHIP DIAGRAM

GYM

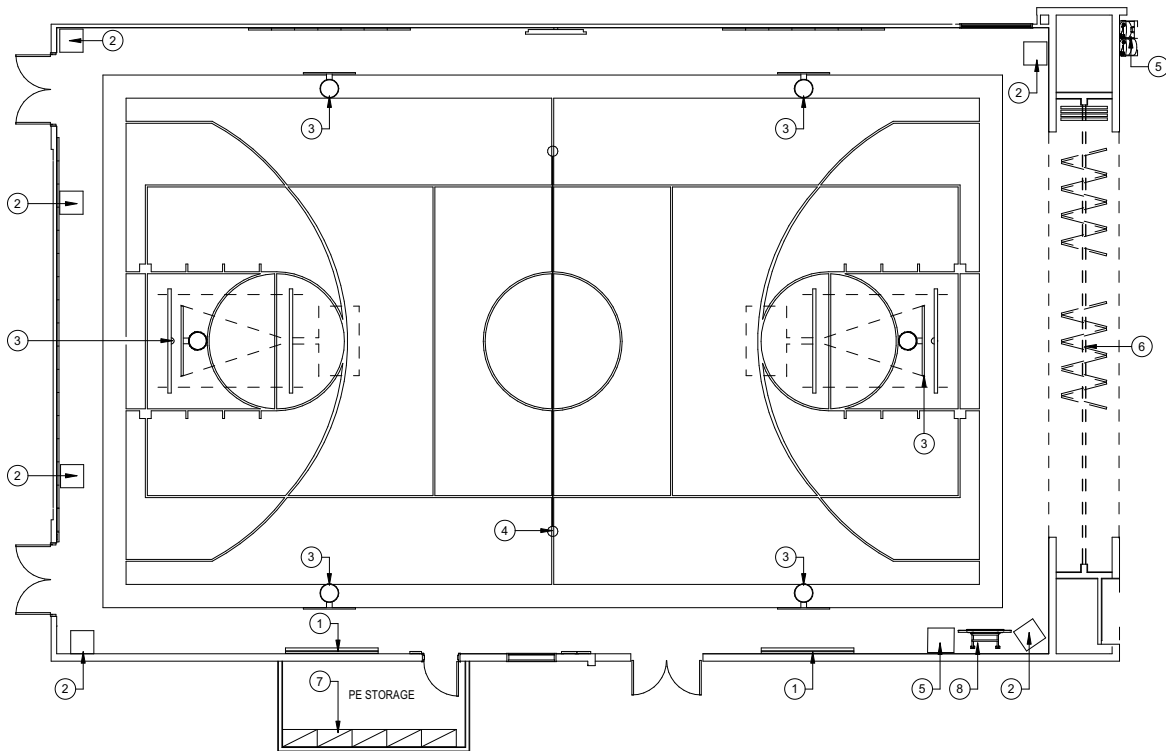


**Gymnasium / P.E. and Storage****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Gymnasium/P.E.)	4,644	4,644	
1 ( PE Storage)	150	150	

**SPATIAL RELATIONSHIP:**

Gym to be located near other special programs such as music, art, etc. Should be adjacent to dining space with Stage between. Restrooms and water fountains should be located nearby. Locate adjacent to outdoor play area slab and green areas.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	2	5' x 10'
2	Wall Mounted Speakers		Multiple throughout
3	Basketball Goals	6	Motorized preferable, minimum at main court
4	Volleyball Inserts, Standards & Nets	2	2 inserts for one net
5	Drinking Fountains	2	Bi-Level with bottle filler; confirm with required counts
6	Motorized Operable Partition	1	With man door
7	Metal Shelving		Line walls with shelves, 36" x 36" x 84"; affix to walls

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
8	Mobile Instructional Display Technology	1	With mobile cart

**NOTES:**

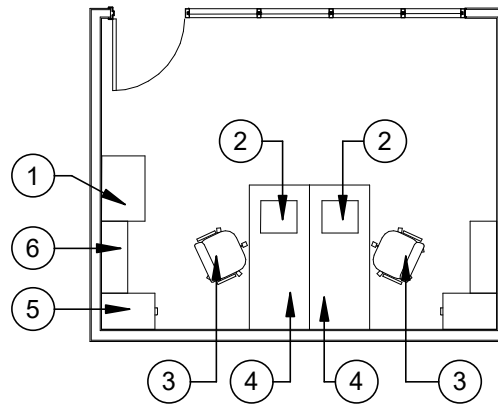
1. Recommend locating next to Extended Learning space and providing a door between the two for after hours use.
2. Protect other equipment such as clock, strobe and chime within gymnasium with cage or plastic covers.

**Gym / PE Office****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	150	150	View to gym is preferred. Do not locate behind goals.

**SPATIAL RELATIONSHIP:**

To be located adjacent to gym with direct access to gym. Provide glass window for surveillance of gym (not under goals).

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Sound System Cabinet	1	Locate by the door

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
2	Teacher Office Tool Set	2	
3	Task Chair	2	
4	Desk	2	
5	Vertical File Cabinet	2	
6	Bookcase	2	Moveable

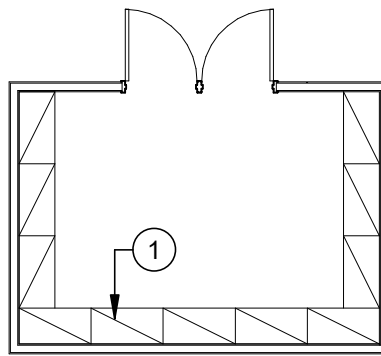
**NOTES:**

**PE Outdoor Equipment Storage****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	75	75	

**SPATIAL RELATIONSHIP:**

Locate near playground equipment.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

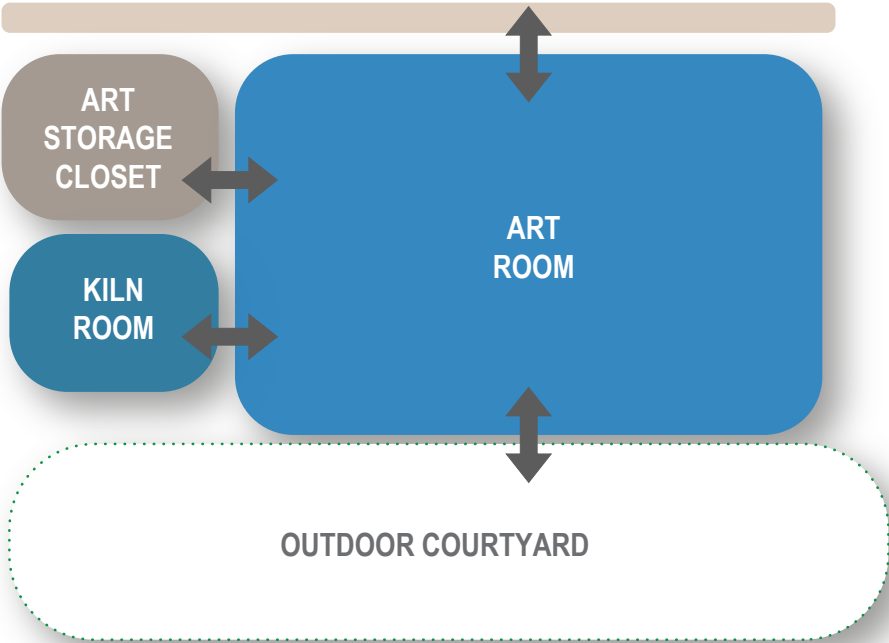
Tag #	Furniture / Equipment	Quantity	Notes
1	Metal Shelving		36" x 24" x 84"; gang together and affix to walls

**NOTES:**

# Specialized Rooms

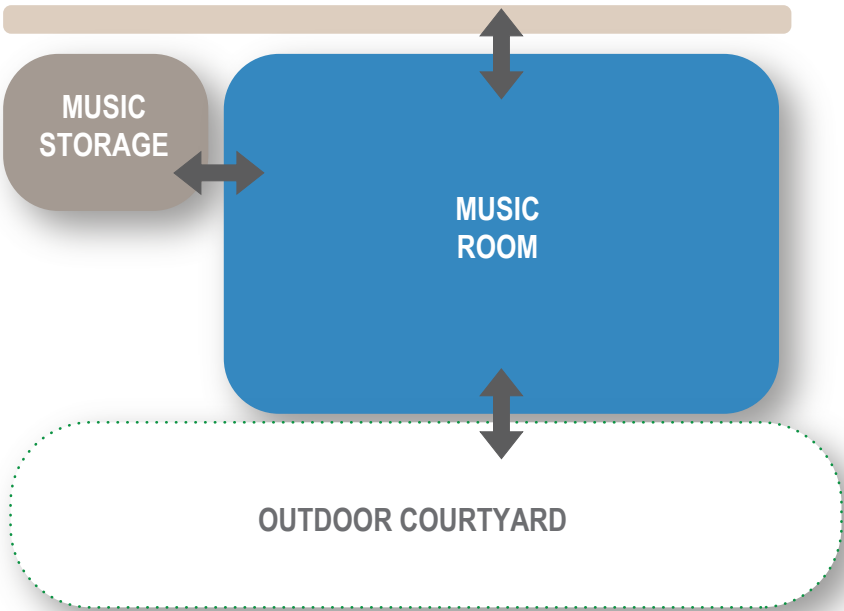
RELATIONSHIP DIAGRAM

ART ROOM



RELATIONSHIP DIAGRAM

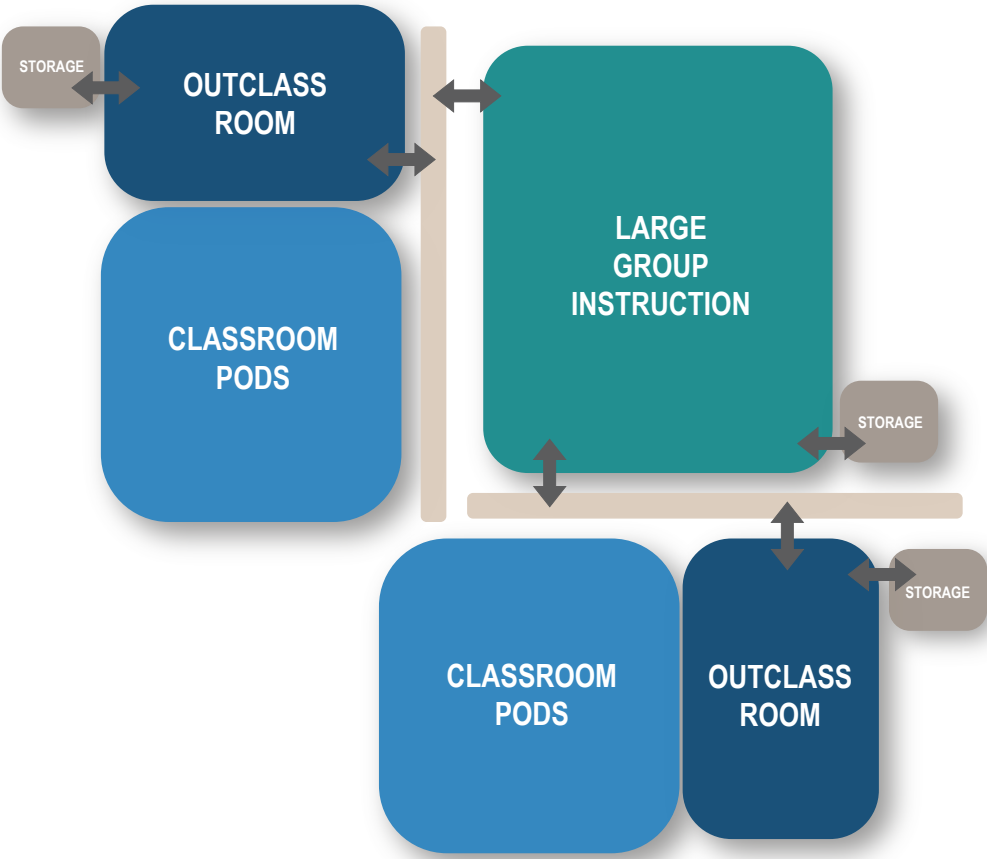
MUSIC ROOM





RELATIONSHIP DIAGRAM

SPECIALIZED CLASSROOMS



## Art Room and Support Spaces

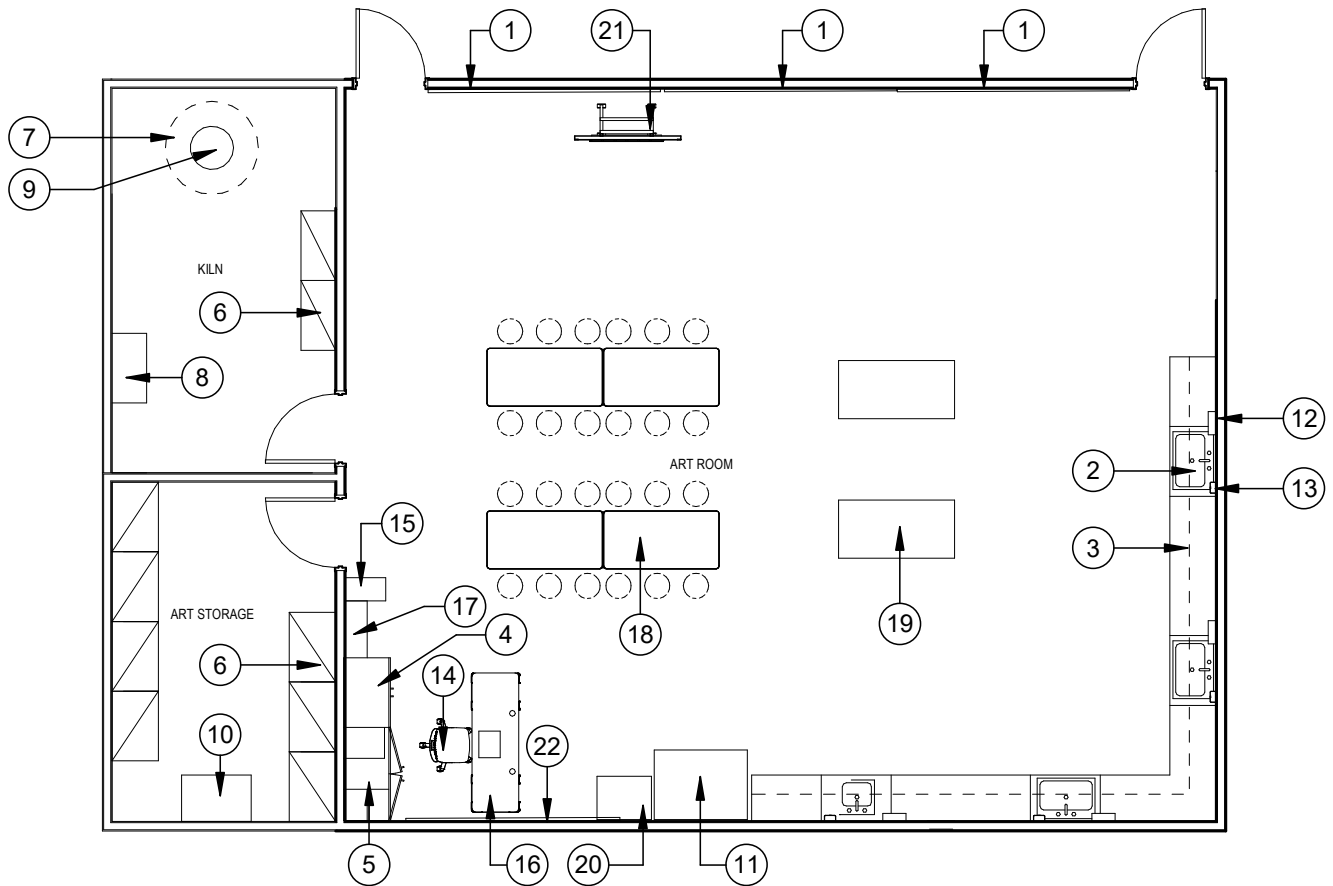
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Art Room)	1,000	1,000	
1 (Art Storage)	150	150	Provide lockable door
1 (Kiln Room)	150	150	

### SPATIAL RELATIONSHIP:

To be located within close proximity to academic classrooms and should be easily accessible by all students. Adjacent to outdoor courtyard and Kiln room. Art Storage and Kiln to be adjacent and have access from the Art Room.

### SPACE LAYOUT



## Art Room and Support Spaces

### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard, magnetic	3	10'W x 5'H
2	Sink	4	Three deep sinks with gooseneck faucet for washing of large objects and plaster traps/solid interceptors. One sink to be HC accessible sink.
3	Upper and Lower Cabinets		Line walls. Provide paper storage in open millwork.
4	Tall Storage	1	
5	Teacher Wardrobe	1	Lockable, 36" x 24" x 84"
6	Metal Shelving		36" x 24" x 84"; line walls with shelves; 2 located in Kiln; affix to walls
7	Vent-a-Kiln	1	
8	Drying Rack	1	Mobile
9	Kiln		
10	Poster Board Storage Cabinet	1	
11	Flat File	1	

### FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
12	Paper Towel Dispenser	4	
13	Soap Dispenser	4	

### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
14	Teacher Chair	1	
15	Filing Cabinet	1	4-drawer; vertical
16	Teacher Desk	1	
17	Bookcase	1	3 shelf; Moveable
18	Mobile Tables	2	12 seat
19	Activity Table	2	30x60
20	Student Devices Cart	1	
21	Mobile Instructional Display Technology	1	
22	Tackstrip	1	

#### NOTES:

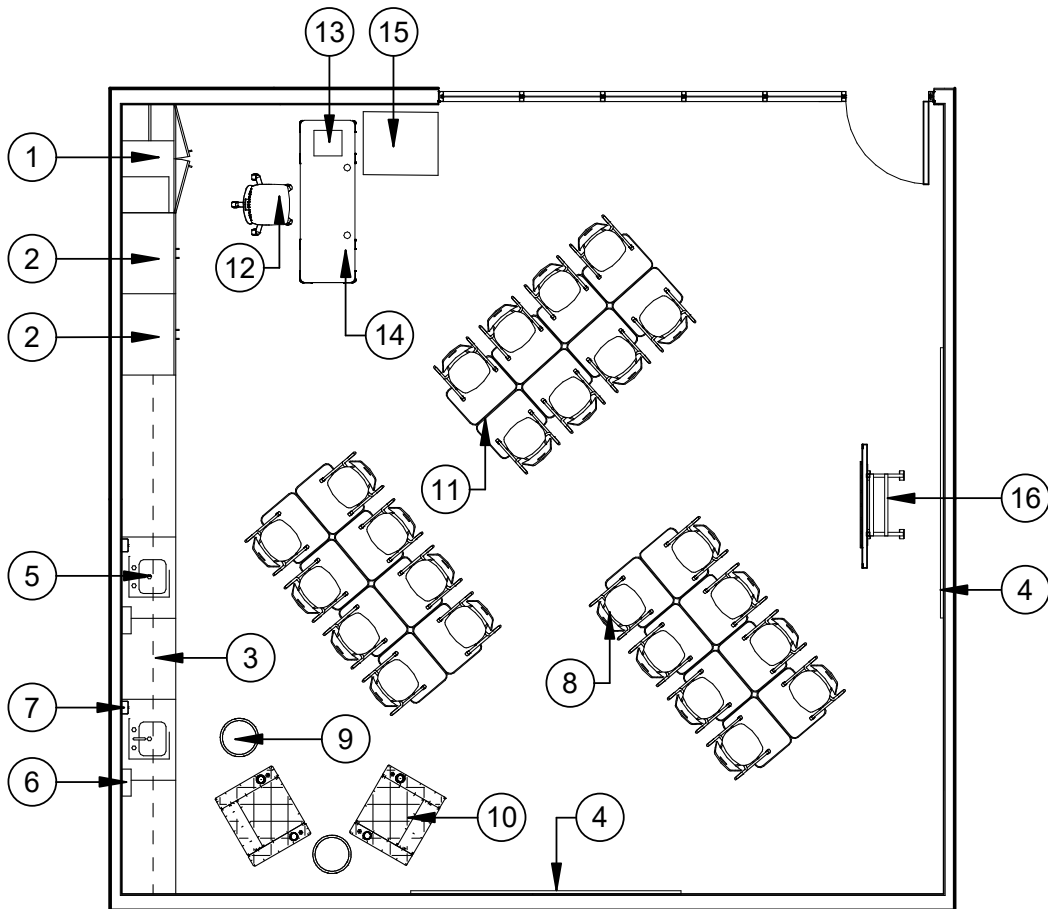
1. Provide display areas that accommodate 2-dimensional and 3-dimensional outside of art room. Provide tack strip above display areas for securing heavy objects. Surface of display areas shall be porous to accept pins, staples, and tacks. Provide ceiling hooks for hanging 3-dimensional work.
2. Locate disconnect for kiln to be accessible away from kiln. Shut-off to be located on classroom side.
3. Kiln room to be fire rated, confirm with Fire Marshall.
4. Provide tackable surface in corridors outside art room for student work display.

**Outclass****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
2	800	1,600	Flexible space for small and large groups. One per floor.

**SPATIAL RELATIONSHIP:**

Should be located centrally with access to outdoor space and limited noise impact to classroom spaces. For 2-story elementary schools, one outclass should be provided on each floor.

**SPACE LAYOUT**

**Outclass****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	1	Locakable; 36"x24"x84"
2	Tall Shelving Unit	2	36"x24"x84"
3	Upper and Lower Cabinets		
4	Markerboard	2	5' x 10'
5	Sink	2	One deep sink with gooseneck faucet and one HC accessible sink.

**FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
6	Paper Towel Dispenser	2	
7	Soap Dispenser	2	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
8	Student Chair	24	Stackable
9	Wobbly stools	2	
10	Soft Seating	2	Lounge Chair; can be paired up into small couch
11	Student Desk	24	
12	Task Chair	1	
13	Teacher Tool Set	1	
14	Teacher Desk	1	
15	Student Devices Cart	1	
16	Mobile Instructional Display Technology	1	

**NOTES:**

1. Maybe used as Active Learning Classroom.

## Large Group Instruction

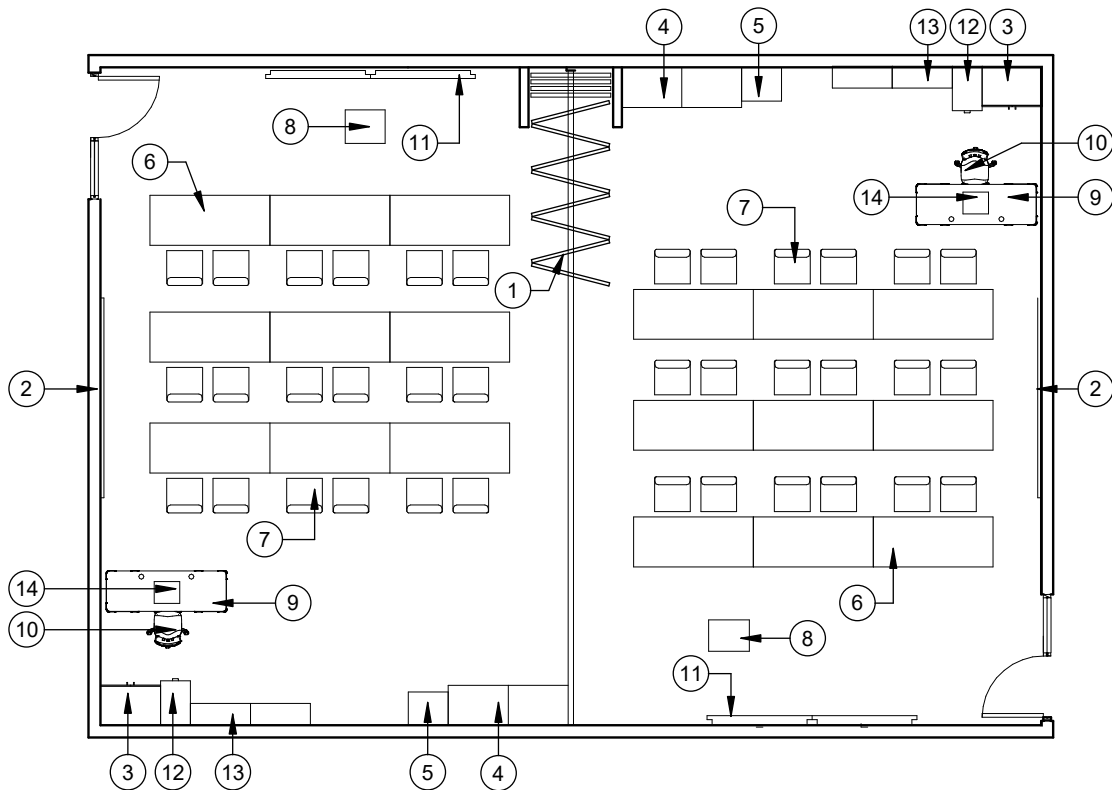
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1	1,600	1,600	

### SPATIAL RELATIONSHIP:

Should be in close proximity to the classroom spaces of the school with easy access to restrooms.

### SPACE LAYOUT



### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Magnetic Folding Partition	1	Markerboard
2	Markerboard, magnetic	2	10'x5'
3	Teacher Wardrobe	2	Lockable
4	Tall Storage Cabinet	4	With adjustable shelves

### FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
5	Student Devices Cart	2	
6	Tables	18	Seats 2
7	Chairs	36	Stackable
8	Podium	2	Mobile
9	Teacher Desk	2	
10	Task Chair	2	
11	Instructional Display Technology	4	Mount is Owner Furnish, Contractor Installed

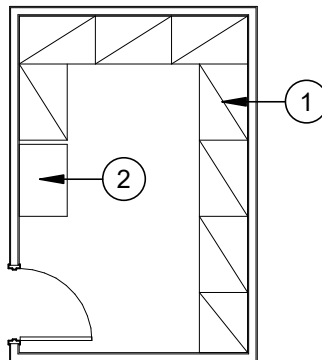
Large Group Instruction			
12	Vertical Filing Cabinet	2	
13	Bookcase	4	Moveable
14	Teacher Tool Set	2	
<b>NOTES:</b>			
1. Folding Wall Partition to allow for room to be divided into two 800 SF spaces.			

**Storage****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
2 (Outclass Storage)	100	200	Lockable door
1 (LGI Storage)	100	100	Lockable door

**SPATIAL RELATIONSHIP:**

Locate two in close proximity to outclass rooms and one near Large Group Instruction.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Metal Shelving		36" x 18" x 84"; gang together and affix to walls

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
2	Refrigerator	1	Future

**NOTES:**

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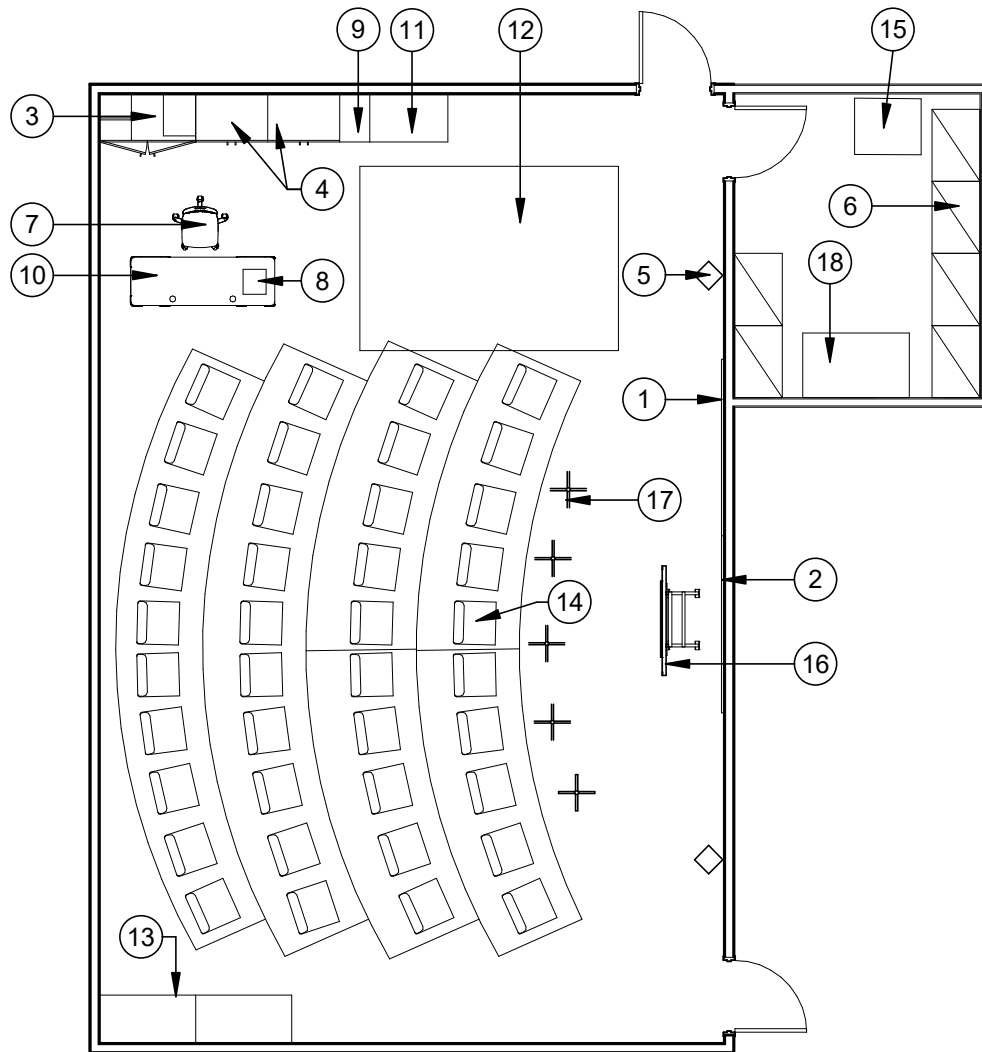


**Music Room and Storage****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Music Room)	1,000	1,000	
1 (Music Storage Room)	200	200	Provide lockable door.

**SPATIAL RELATIONSHIP:**

Locate adjacent to stage, near cafeteria. Sound isolation is necessary to avoid distractions.

**SPACE LAYOUT**

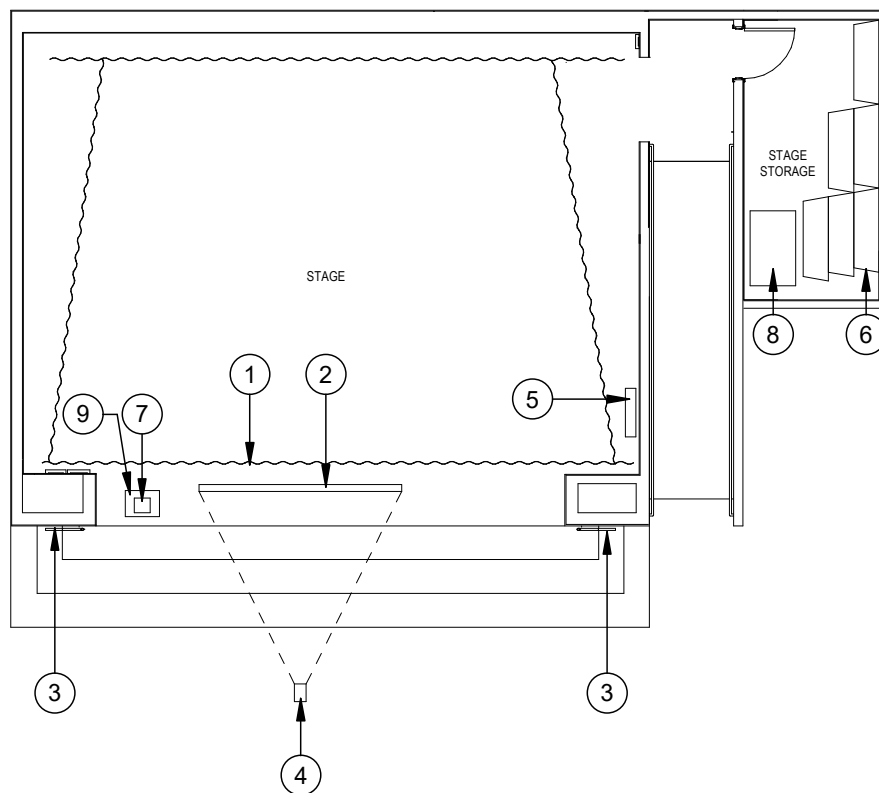
Music Room and Storage			
FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard, magnetic	1	5' x 10'; With music staff
2	Markerboard, magnetic	1	5' x 10'
3	Teacher's Wardrobe	1	Lockable; 36"x24"x84"
4	Tall Shelving Unit	2	36"x24"x84"
5	Speakers	2	
6	Metal Shelving		36" x 18" x 84"; adjustable shelves; gang together and affix to walls
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
7	Teacher Chair	1	
8	Teacher Tool Set	1	
9	4 Drawer vertical Filing Cabinet,	1	
10	Teacher Desk	1	
11	Bookshelf	1	
12	Carpet	1	
13	Table	2	30"x60"
14	Mobile Risers	6	Seating for 40, stored in stage storage
15	Student Devices Cart	1	
16	Mobile Instructional Display Technology	1	
17	Music Stands	5	
18	Upright Piano	1	
NOTES:			
1. Shape of room should be rectangular, with a length to width ratio of 2:1.			
2. Consult with acoustician during design to ensure quality of acoustical design in room.			
3. Prefer a second door directly to the stage.			

**Stage and Storage****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Stage)	800	800	Wood steps shall run entire length of stage to be used as risers.
1 (Storage)	120	120	

**SPATIAL RELATIONSHIP:**

To be located at one end of dining space; ideally along one long side of dining room opposite from folding wall which opens into gym. Stage storage to be located on one side of stage; provide tall overhead door and walk door for access.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Stage Curtains	1	Side and back curtains - black; front curtain color TBD
2	Projection Screen	1	Electric
3	Large Group Display	2	Display
4	Large Area Projection	1	Ceiling mounted; on retractable platform lift.
5	Lighting Control Panel	1	Stage lighting front and back of house.

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
6	Risers	6	Shared with music room
7	Misc. Tool Set	1	
8	Piano	1	
9	Podium	1	

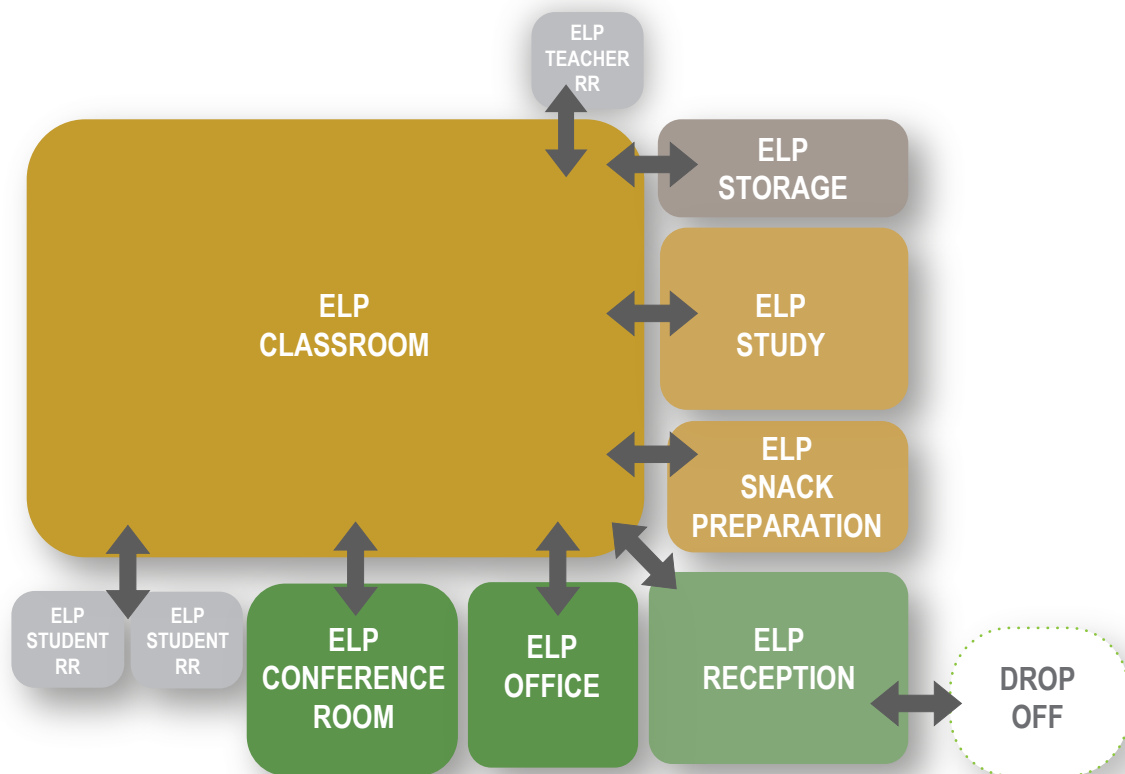
**Stage and Storage****NOTES:**

1. Platform to be approximately 18" AFF.
2. Complete curtain system to include headers, borders, curtain tracks, operating devices and fasteners. No cyclorama curtains at back of stage.
3. Consult with acoustician during design to ensure quality of acoustical design in room.
4. Provide stage rigging and lighting control panel per Technical Design Guidelines.

# Extended Learning Program

# RELATIONSHIP DIAGRAM

ELP CLASSROOM



# Extended Learning & Support Spaces

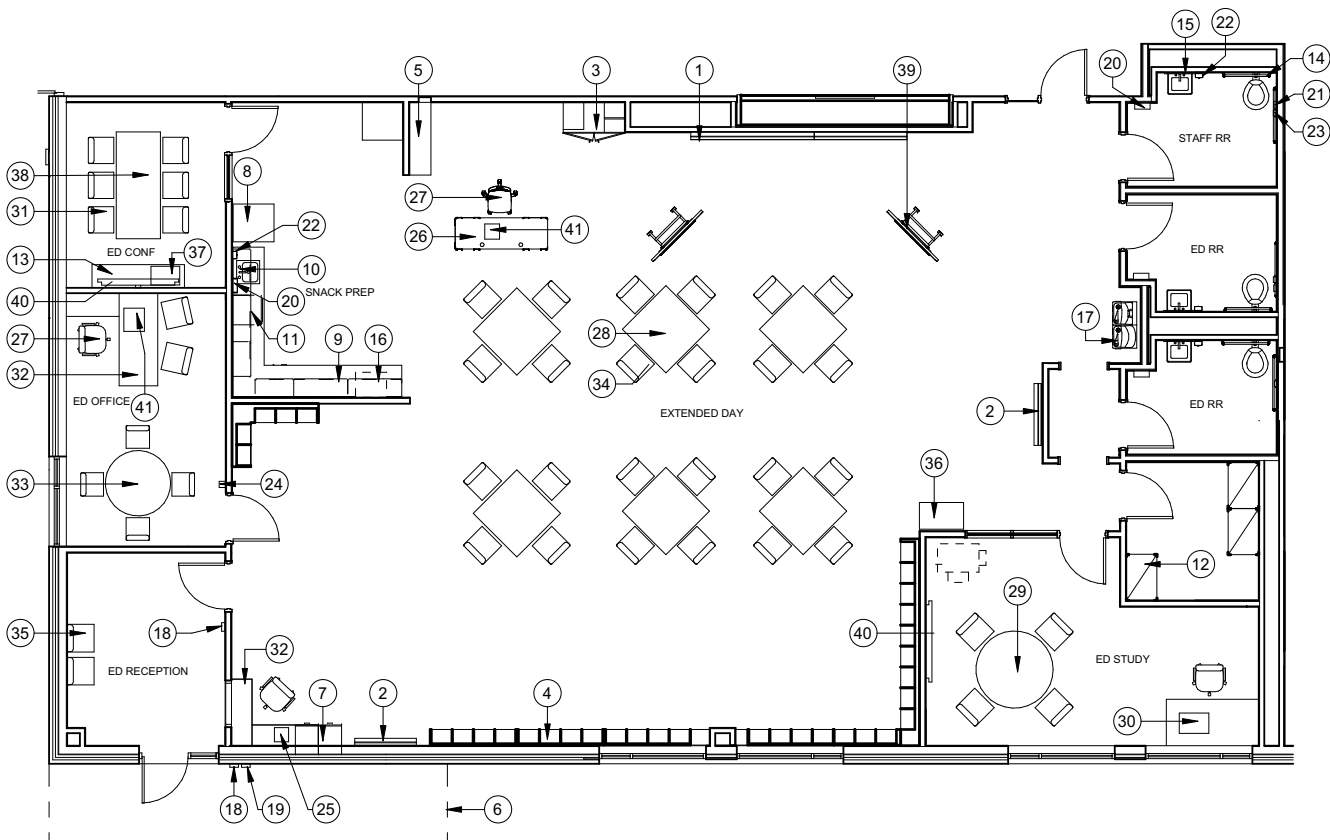
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Reception)	175	175	Secure and controlled access to and from ELP is required.
1 (Office)	150	150	Visibility to entrance as well as classroom area is necessary.
1 (Teacher Restroom)	60	60	
1 (Snack Prep)	190	190	
1 (Study)	250	250	
1 (Classroom)	1,750	1,750	
1 (Storage)	85	85	
2 (Student Restrooms)	60	120	
1 (Conference)	100	100	

## SPATIAL RELATIONSHIP:

Classroom should be located so that it can be operated independently from the rest of the campus with a separate exterior entrance and parent drop-off. Should be within close proximity to the stage, cafeteria and gym, as well as other group learning areas of school as described above.

## SPACE LAYOUT



Extended Learning & Support Spaces			
FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard, magnetic	2	5' x 10'
2	Markerboard, magnetic	1	4' x 6' ; By door
3	Teacher's Wardrobe	1	36" x 24" x 84"
4	Cubbies	150	20" x 20" x 20", low islands acceptable
5	Tall Shelving Unit	1	
6	Canopy	1	
7	Vertical File Cabinet Drawers	2	Under counter
8	Refrigerator	2	with ice maker
9	Upper and Lower Cabinets	TBD	
10	Sink	4	
11	Dishwasher	1	
12	Metal Shelving	TBD	36" x 24" x 84"; Adjustable shelves; gang together and affix to walls
13	Credenza	1	
14	Grab Bars	6	As required by ADA
15	Mirror	3	
16	Microwave Oven	2	
17	Drinking Fountains	2	Bi-level with bottle filler; confirm with required counts
18	Card Reader	2	Door release at reception
19	Airphone	1	Door release at reception
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
20	Paper Towel Dispenser	4	
21	Feminine Napkin Disposal	2	At women's and unisex restrooms only
22	Soap Dispenser	4	
23	Toilet Paper Dispenser	3	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
24	Time Clock	1	Power and data required
25	Office Tool Set	1	
26	Teacher Desk	1	
27	Task Chair	4	
28	Student Table	6	
29	Table	1	
30	Student Desktop	1	
31	Chairs	10	Conference and Ed Study
32	Desk	2	With return
33	Small Table	1	Round
34	Student Chair	24	
35	Visitor Chairs	2	
36	Student Devices Cart	1	
37	Small Conference Tool Set	1	
38	Conference Table	1	
39	Mobile Instructional Display Technology	2	
40	Fixed Interactive Display	2	Mount Owner Furnished, Contractor Installed
41	Teacher Tool Set	1	
NOTES:			
1. Must comply with minimum requirement for childcare centers, Texas Department of Family and Protective Services Licensing Division in effect when building permit is issued.			



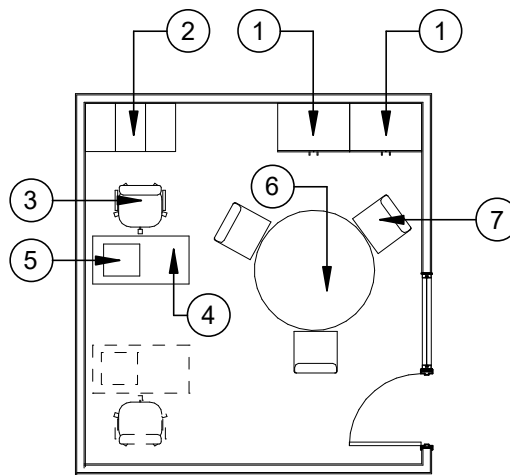
# Security

**School Resource Officer****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	150	150	

**SPATIAL RELATIONSHIP:**

Centrally located in the school, preferably near administration and commons/cafeteria area.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	2	Lockable, 36" x 24 x 84"
2	Vertical File Cabinets	3	

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
3	Task Chair	2	One future
4	Desk	2	One future
5	Office Tool Set	1	
6	Table	1	Round
7	Chair	3	

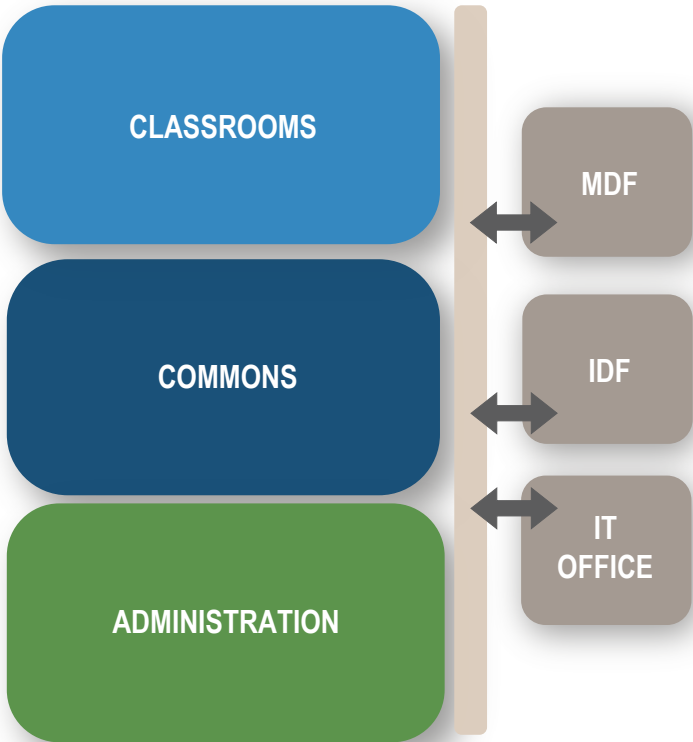
**NOTES:**

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# Technology

RELATIONSHIP DIAGRAM

TECHNOLOGY



## Intermediate Distribution Frame (IDF) and Main Distribution Frame (MDF)

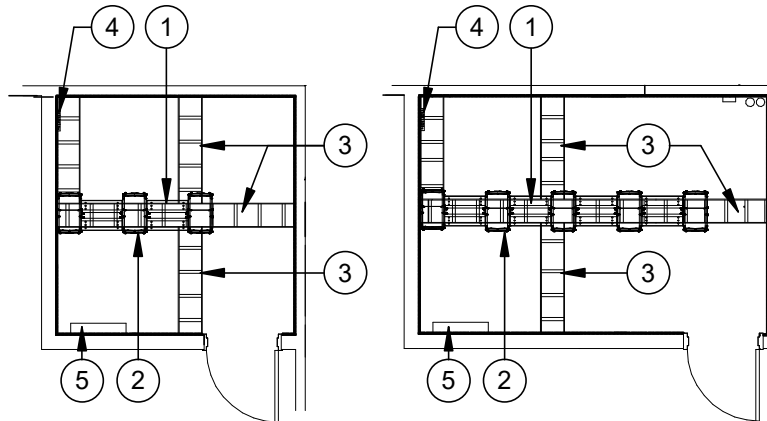
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
7 (IDF Rooms)	100	700	Number and locations depend on floor plan layout.
1 (MDF Rooms)	150	150	Card reader access.

### SPATIAL RELATIONSHIP:

Locate IDF throughout the building to meet the cabling distance requirements. It is most important that the MDF room be placed in the approximate center of the building as distance is a consideration in the laying out of the computer cabling.

### SPACE LAYOUT



### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Equipment Rack		Refer to Technical Design Guidelines for additional information; confirm quantities during design
2	Vertical Wire Hangers		Refer to Technical Design Guidelines for additional information; confirm quantities during design
3	Ladder Rack	4	Refer to Technical Design Guidelines for additional information.
4	Ground Bus Bar	1	Refer to Technical Design Guidelines for additional information.
5	Floor Mounted HVAC Unit	1	Refer to Technical Design Guidelines for additional information.

#### Notes:

- Computers will be networked to the FBISD Administration building. IDF rooms (Intermediate cabling room) are required if the distance from the MDF room exceeds 250 to 300 feet.
- Separate A/C system is required so that cooling can be provided to the MDF & IDF rooms 24-hours a day, year round. Include with BAS monitoring.

### Intermediate Distribution Frame (IDF) and Main Distribution Frame (MDF)

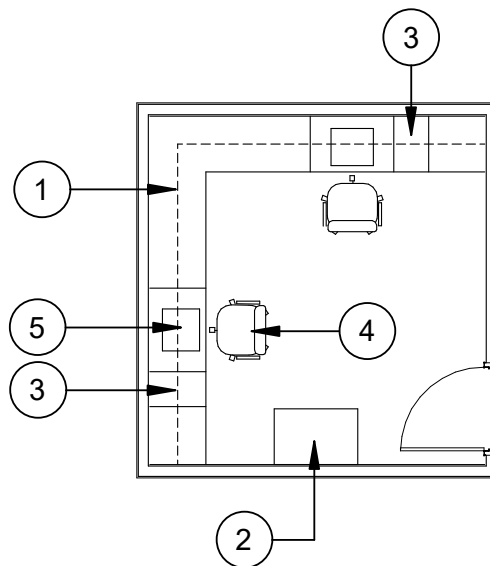
3. Provide card access.
4. MDF and IDF equipment to be tied to emergency generator.
5. It is preferred to have the MDF and IDF's stack if the building has two floors. If the building has two floors, have the IDF room on the 1st floor under the IDF room location on the 2nd floor.
6. The IDF rooms only provide service to the floor where the room is located. Refer to Technical Design Guidelines for additional information.
7. Refer to Technical design guidelines for wall space reserved for owner provided/owner installed equipment/panels.
8. Owner is to provide data network equipment and uninterruptable power supply.

**IT Office****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	150	150	

**SPATIAL RELATIONSHIP:**

Locate in Administration off main corridor.

**SPACE LAYOUT****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Upper and Lower Cabinets		Line 2 walls, with 2 kneespaces
2	Tall Storage Cabinet	1	Lockable
3	Vertical File Cabinet Drawers	2	Under counter

**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
4	Task Chair	2	
5	Office Tool Set	2	

Notes:

# Appendix



## SAFETY AND SECURITY

Learning environments are designed with the understanding that the safety of our students and staff is paramount. For learning to take place, learning environments must be safe and secure, with design elements incorporating safety systems so that students and staff feel safe, welcomed and protected. While incidents of school safety failures still remain largely rare, increased media attention and recent security events have made school districts and the general public acutely aware of the vulnerability that confronts the typical public school facility on a daily basis. Safety and security must therefore be an important consideration of these educational specifications.

Fort Bend ISD schools are community schools, where volunteers, parents and the community are welcome. In order to ensure Fort Bend schools are safe and secure, the following minimum requirements must be included:

- Comply with CPTED (Crime Prevention through Environmental Design) principles. All new and major renovations projects to obtain CPTED certification.

## SITE DESIGN CONSIDERATIONS

- Exterior Security Factors
  - Sites will be fenced to ensure all playground areas and playfield areas are fully secured. Fencing material to be as outlined in the Technical Design Guidelines, and/or as dictated by the area having jurisdiction.
    - Provide fencing around all portable buildings tying back to main campus.
  - Landscaping must not provide places to hide or mask windows from street view.
  - Provide exterior LED lights to enhance visibility and deter wrong doing.
  - Provide decorative bollards at all major entry areas (Main entry, cafetorium, etc.)
  - Provide emergency call boxes close to parking areas and play areas.
  - Provide blank box for future camera phone and security camera system for future portables.
- Provide camera phone at all entries servicing portable buildings. In the case of a new building, identify area where portable buildings may be sited, and provide conduit and blank box for future system installation.
- Delivery and service areas shall be located to provide vehicular access separate from parent and bus drop off areas and does not jeopardize the safety of students and staff.

## BUILDING DESIGN CONSIDERATIONS

- A single point of entry for visitors will be provided at new campuses and campus renovations. This shall be accomplished through the use of a welcoming, yet secure entry vestibule that controls access to the building during school hours. The specific inclusions for this space are detailed in the space descriptions.
  - Extended Day Programs shall have a separate entry, with controlled card access.
  - Limit the number of entries/exits to a campus wherever possible, while still meeting emergency egress requirements as outlined by the governing building codes.

- Security camera systems and access control systems as outlined in the Technical Design Guidelines.
  - Security Camera numbers will be based on building configuration to ensure evidentiary quality video.
  - Access Control System Locations:
    - The security vestibule at the school's primary entrance
    - All exterior doors
    - All doors into Administration area from lobby and from all the surrounding corridors
    - Test storage and record storage rooms
    - MDF and IDF rooms
    - All hallway doors that separate classroom pods/wings
- Classroom door locks should allow classrooms to remain locked at all times.
  - Additional classroom reinforcement will be provided with a door lock at the bottom of the door.
- Lockdown system as outlined in the Technical Design Guidelines.
  - Panic buttons must be provided at the main reception area, Principal's office, Principal's Assistant office and attendance offices at secondary campuses where office is located off entry vestibule.
- Provide intrusion alarm keypads at front office, kitchen exterior door, and custodial exterior door.
- Provide emergency notification system from central district to school.
- Classroom pod/wing configuration should allow for the ability to secure each pod/wing independently in the case of a lockdown. This can be accomplished with doors that separate these areas and that are tied to the lockdown system. If these doors have glazing, the glazing must be protected with impact resistant film as outlined in the Technical Design Guidelines.
- Building design should simplify corridor design to minimize hidden areas, and to help with supervision.
  - Provide gates to divide the building for afterhours use. Confirm locations with Fire Marshal and FBISD police department.
- Provide 2 –way communication system at all classrooms.
- Provide all learning environment doors with vision panels or provide sidelights next to doors. Sidelights must have forced entry-resistant film. Confirm location of sidelights in layouts.
- Provide convex mirrors at all enclosed stairs to improve visibility and supervision.
- Provide room signs inside all rooms listing room number and emergency call number.
- Provide room signs in hallways that are perpendicular to the walls, to aide in wayfinding.
- Fort Bend ISD may choose in the future to provide all staff and students with RFID security access control cards.
- Coordinate with Fort Bend ISD regarding shelter in place location. These spaces would preferably have lower ceilings, and 2 wall separation from exterior.
  - Provide evacuation maps for district's use and identify shelter in place locations on map
- Provide a clear sense of entry to direct visitors to the correct entry point to the building.
- Provide simple circulation that allows for maximum ease of supervisions.
- Provide shielded outdoor areas that protect staff and students while in use.
- Provide state of the art security systems to allow for staff and students to feel safe while they are in the building, thus enhancing the learning experience.

*Due to rapid changes in Technology, this 'Technology Appendix' is being issued to allow for updating of technology requirements as needed without updating the entire Educational Specification documents. As technology needs change, this Appendix will be updated accordingly and re-issued with Educational Specifications.*

#### **Broadcast Studio Tool Set**

- ☐ Desktop Computers (2)
- ☐ Monitors (2)
- ☐ One Laptop
- ☐ Phone
- ☐ One set of Broadcast Equipment

#### **Cafeteria/Gym Tool Set**

- ☐ Laptop
- ☐ Mobile AV Cart

#### **Clinic Tool Set**

- ☐ Laptop
- ☐ Monitor
- ☐ Phone
- ☐ Printer
- ☐ Fax Machine

#### **Large Conference Tool Set**

- ☐ Desktop Computer
- ☐ Monitor (2)
- ☐ Conference Phone
- ☐ Small Printer

#### **Librarian Tool Set**

- ☐ Laptop with Docking Station
- ☐ Monitor
- ☐ Phone

#### **Library Tool Set**

- ☐ Black and White Printer
- ☐ Phone
- ☐ Scanner Tool Setups (2)
- ☐ A/V Carts

#### **Misc. Tool Set**

- ☐ Docking Station with Monitor
- ☐ Phone

#### **Office Tool Set**

- ☐ Desktop Computer
- ☐ Monitor
- ☐ Phone

#### **Principal Tool Set**

- ☐ Desktop Computer
- ☐ Monitor
- ☐ Phone
- ☐ Printer
- ☐ TV in office
- ☐ Dedicated PA Phone
- ☐ Panic Button

#### **Reception Tool Set**

- ☐ Desktop Computer
- ☐ Monitor
- ☐ Printer
- ☐ Fax Machine
- ☐ Badge Printer

#### **Small Conference Tool Set**

- ☐ Desktop Computer
- ☐ Monitor
- ☐ Phone

#### **Student Devices Cart**

- ☐ Laptops
- ☐ Cart Anchor
- ☐ Cart Power/Charging

#### **Teacher Office Tool Set**

- ☐ Laptop with Docking Station
- ☐ Phone

#### **Teacher Tool Set**

- ☐ Laptop with Docking Station
- ☐ Reflector
- ☐ Phone
- ☐ AV Switching Control System
- ☐ Document Camera