



## 2023 FACILITY EDUCATIONAL STANDARDS

MIDDLE SCHOOLS

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# 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	630	630	
Visitors Restroom	1	60	60	
Reception	1	400	400	
Attendance Office	1	200	200	
Administration Storage	1	150	150	
Vault	1	75	75	
VIPS	1	200	200	Volunteers in Public School
Executive Assistant	1	200	200	
Principal's Office	1	250	250	
Principal's Conference Room	1	300	300	
Workroom/Mailroom	2	400	800	One per floor
Mother's Room	1	80	80	
Faculty Restroom	2	60	120	
Faculty Lounge	1	600	600	
Administration Restrooms	2	60	120	
Associate Principal Office	1	225	225	
Administrative Assistant/ Waiting	1	150	150	
Conference Room	2	300	600	
Special Education Offices	1	600	600	
Therapy Testing	3	80	240	
Testing Storage	1	90	90	
Data Clerk	1	150	150	
Records Room	1	50	50	
Campus Assistance Coordinator	1	250	250	
Bookkeeper Office	1	150	150	
<b>Clinic</b>				
Clinic Aide/Waiting Area	1	200	200	
Treatment Area	1	520	520	
Isolation Room	1	80	80	
Nurse Office	1	150	150	
Clinic Restroom	1	60	60	
Storage	1	60	60	
<b>Assistant Principal &amp; Counseling Suite</b>				
Assistant Principal Office	3	225	675	
Administrative Assistant/ Waiting	3	150	450	
Assistant Principal Storage	3	50	150	
Assistant Principal Conference Room	3	200	600	
Counselor's Office	3	200	600	
De-Escalation Area	3	60	180	
<b>ADMINISTRATION SUITE SUBTOTAL:</b>			<b>10,415</b>	<b>SF</b>
<b>ACADEMIC CLASSROOMS</b>				
<b>Academics</b>				
Classrooms	27	800	21,600	
Journalism Classroom	1	900	900	
Journalism Storage	1	100	100	
Science Labs	9	1,400	12,600	
Science Prep Room/Storage	6	300	1,800	
Learning Lab	3	1,000	3,000	350sf of collaboration space to be adjacent to the Learning Lab
Learning Lab Storage	3	80	240	
VR/3D Print	3	150	450	

Large Group Instruction (LGI)	3	1,600	4,800	One per grade level
ISS Classroom	2	800	1,600	
PLC / Teacher Workroom	4	500	2,000	
Speech Therapy	1	400	400	
Book Storage	4	200	800	
Collaboration	TBD	6,000	6,000	2,000sf to be allocated per grade
Department Storage	5	150	750	
Student Restrooms	6	250	1,500	
Unisex Staff Restroom	6	60	360	
<b>ACADEMIC CLASSROOMS SUBTOTAL:</b>			58,900	<b>SF</b>
<b>Special Education</b>				
Instructional Pull-Out Space (IPS)	7	600	4,200	
Specialized Classroom (A&B)	2	1,000	2,000	
Specialized Classroom (C)	1	800	800	
De-Escalation	1	50	50	For Specialized Classroom C
Utility Room	1	250	250	
Kitchenette	1	250	250	
Sensory/De-Escalation	1	450	450	
Specialized Classroom RR	1	290	290	
<b>SPECIAL CLASSROOMS SUBTOTAL:</b>			8,290	<b>SF</b>
<b>CAFETERIA / KITCHEN / CUSTODIAL</b>				
<b>Cafeteria / Student Dining</b>				
Cafeteria/Commons	1	8,000	8,000	
Chair/Table Storage	1	500	500	
Stage	1	1,450	1,450	
Stage Storage	1	250	250	
School Store	1	150	150	
Student Restrooms	2	250	500	
<b>Kitchen</b>				
Serving Area	1	1,750	1,750	
Food Preparation	1	1,750	1,750	
Dry Storage	1	300	300	
Manager's Office	1	150	150	
Walk-in Cooler	1	200	200	
Walk-in Freezer	1	250	250	
Receiving Area	1	150	150	
Locker Room	1	100	100	
Staff Restroom	1	60	60	
Warewash	1	360	360	
Utility Room	1	100	100	
Service Yard			0	
Paper Storage	1	180	180	
Food Cart Vending	1	100	100	
Kitchen Conference Room/Break Room	1	200	200	
<b>Custodial</b>				
Custodial Breakroom	1	250	250	
Custodial Office	1	100	100	
Custodial Closets	6	60	360	
Custodial Storage/Receiving	1	400	400	
Custodial Utility	1	100	100	
Recycling Storage	1	150	150	
Custodial Restroom	1	60	60	
<b>CAFETERIA / KITCHEN / CUSTODIAL SUBTOTAL:</b>			17,920	<b>SF</b>
<b>CTE AREA</b>				
CTE Computer Lab	2	1,600	3,200	

CTE Computer Lab Storage	1	75	75	
Computer Science	1	1,600	1,600	
Computer Science Storage	2	250	500	
Multipurpose STEM	1	1,600	1,600	
Project Storage	2	250	500	
Human Services Lab	1	1,800	1,800	
Utility Room	1	150	150	
Pantry	1	100	100	
CTE Instruction	1	800	800	
Student Restrooms	2	250	500	
<b>CTE AREA SUBTOTAL:</b>			10,825	<b>SF</b>
<b>FINE ARTS</b>				
Fine Arts PLC	1	300	300	
Shared Practice Rooms	6	60/100	480	3 at 60 SF, 3 at 100sf
<b>Art</b>				
Art lab	2	1,200	2,400	
Art Storage	1	400	400	
Kiln	1	150	150	
<b>Drama/Theater</b>				
Black Box	1	1,200	1,200	
Drama Classroom	1	1,000	1,000	
Drama Office	1	150	150	
Costume Storage	1	150	150	
Scene Storage	1	200	200	
<b>Band</b>				
Band Hall	1	2,400	2,400	
Band Office & Library	1	280	280	
Band Ensemble Room	1	1,200	1,200	
Band Instrument Storage	1	300	300	
<b>Choir</b>				
Choir Hall	1	1,450	1,450	
Choir Office & Library	1	250	250	
Choir Ensemble	1	600	600	
Choir Storage	1	150	150	
<b>Orchestra</b>				
Orchestra Hall	1	1,600	1,600	
Orchestra Office & Library	1	250	250	
Orchestra Ensemble	1	900	900	
Harp Room	1	200	200	
Restrooms	2	250	500	
<b>FINE ARTS SUBTOTAL:</b>			16,510	<b>SF</b>
<b>LIBRARY</b>				
Library/Learning Center	1	5,300	5,300	
Maker Space	1	500	500	
Broadcast Room	1	200	200	
A/V Storage	1	200	200	
Library Office	1	120	120	
Library Workroom	1	460	460	
Library Restroom	1	60	60	
<b>LIBRARY SUBTOTAL:</b>			6,840	<b>SF</b>
<b>ATHLETICS / PHYSICAL EDUCATION</b>				
Competition Gym	1	10,000	10,000	
Competition Gym Storage	1	330	330	
Practice Gym	1	8,300	8,300	

Practice Gym Storage	1	300	300	
Lobby	1	600	600	
PE Storage	1	300	300	
Visitor's Restroom	2	250	500	
Laundry	1	250	250	
Training Room	1	200	200	
Weight Room	1	1,200	1,200	
Concessions	1	140	140	
Health Classroom	2	1,050	2,100	
Health Storage	2	50	100	
Kickstart Classroom	1	1,600	1,600	
PE Locker	2	1,600	3,200	
<b>Athletics</b>				
Coaches Office	2	450	900	
Coaches Dressing	2	200	400	
Girls Team Locker	1	550	550	
Girls PE/Team Restroom	1	400	400	
Boys Team Locker	1	1,000	1,000	
Boys PE/Team Restroom	1	400	400	
Shower Rooms	2	200	400	
Team Storage	3	600	1,800	Combined (2) Boys Team Storage Rooms into (1).
<b>Outdoor Concessions</b>				
Concessions	1	140	140	
Outdoor Restrooms	2	200	400	
Outdoor Storage	1	100	100	
<b>ATHLETICS / PHYSICAL EDUCATION SUBTOTAL:</b>			35,610	<b>SF</b>
<b>SECURITY</b>				
School Resource Officer (SRO)	1	200	200	
<b>SECURITY SUBTOTAL:</b>			200	<b>SF</b>
<b>TECHNOLOGY</b>				
IT Office	1	150	150	
MDF Room	1	150	150	
IDF Rooms	8	100	800	
<b>TECHNOLOGY SUBTOTAL:</b>			1,100	<b>SF</b>

**SUMMARY SUBTOTALS:****SF**

Administration Suite	10,415
Academic Classrooms	58,900
Special Education	8,290
Cafeteria/Kitchen/Custodial	17,920
CTE	10,825
Fine Arts	16,510
Library	6,840
Athletics/Physical Education	35,610
Security	200
Technology	1,100

**SUBTOTAL: 166,610**

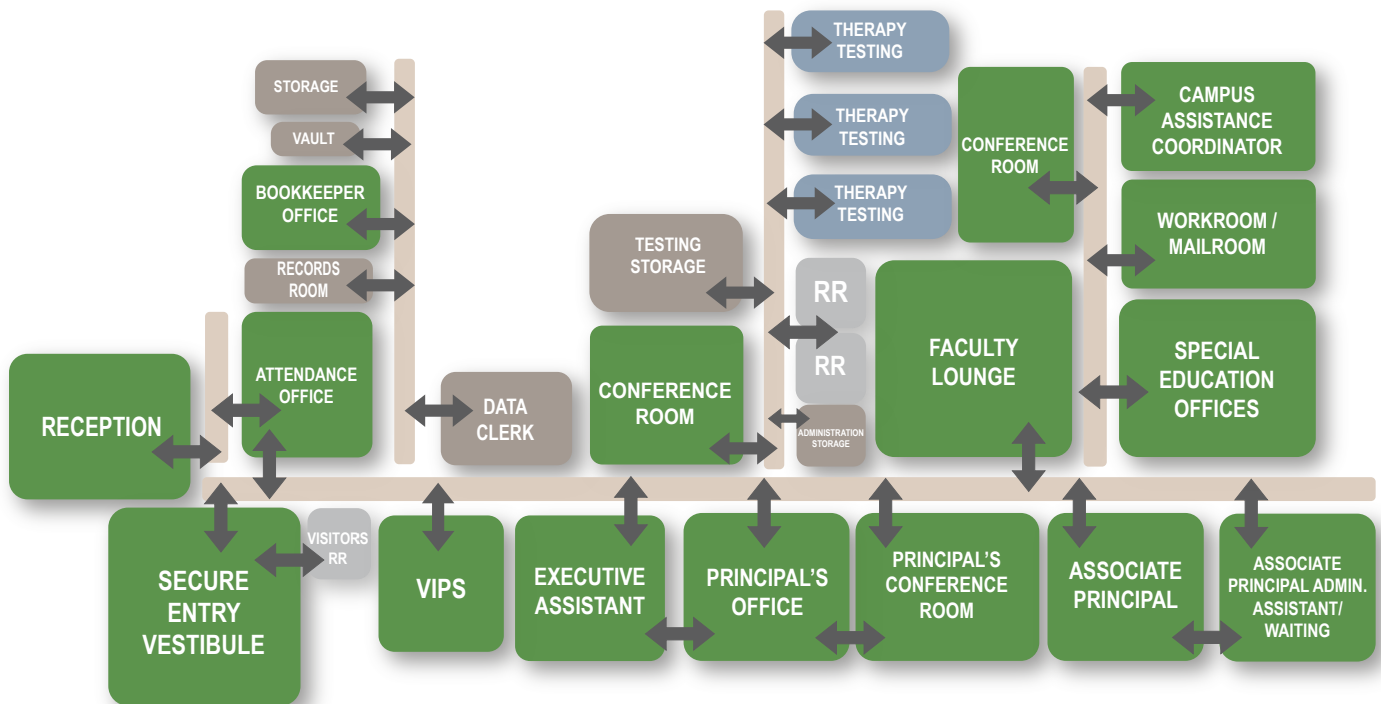
Circulation 35%	58,314
MEP 10%	16,661

**GRAND TOTAL: 241,585**

# Administration

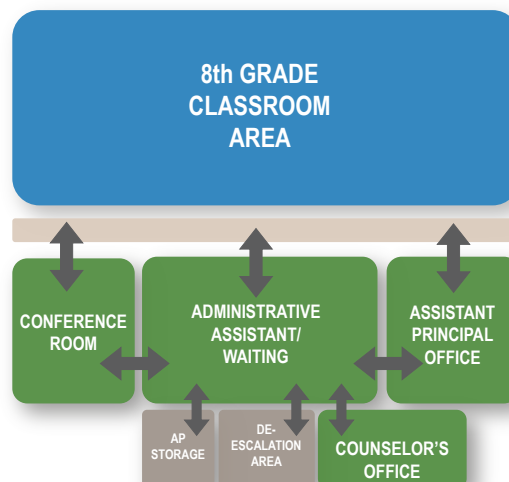
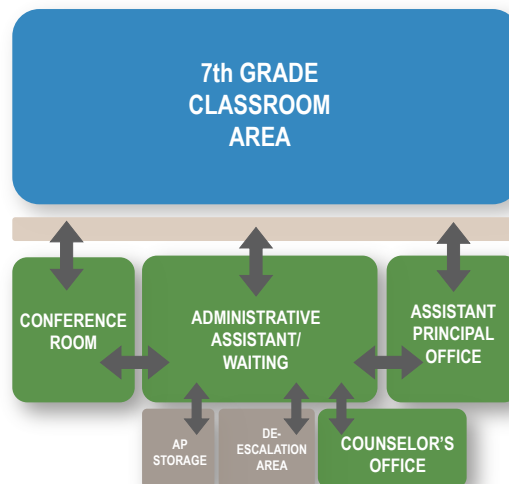
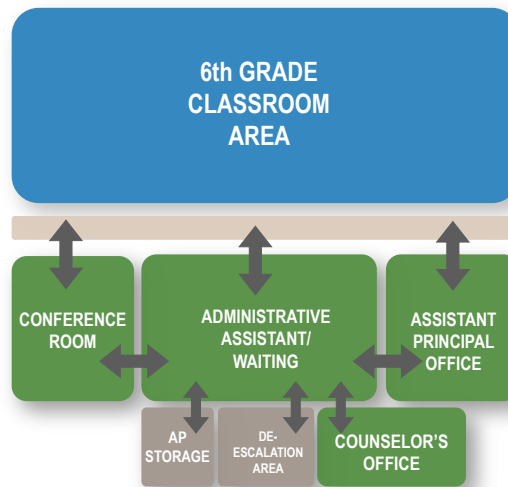
# RELATIONSHIP DIAGRAM

## ADMINISTRATION



## RELATIONSHIP DIAGRAM

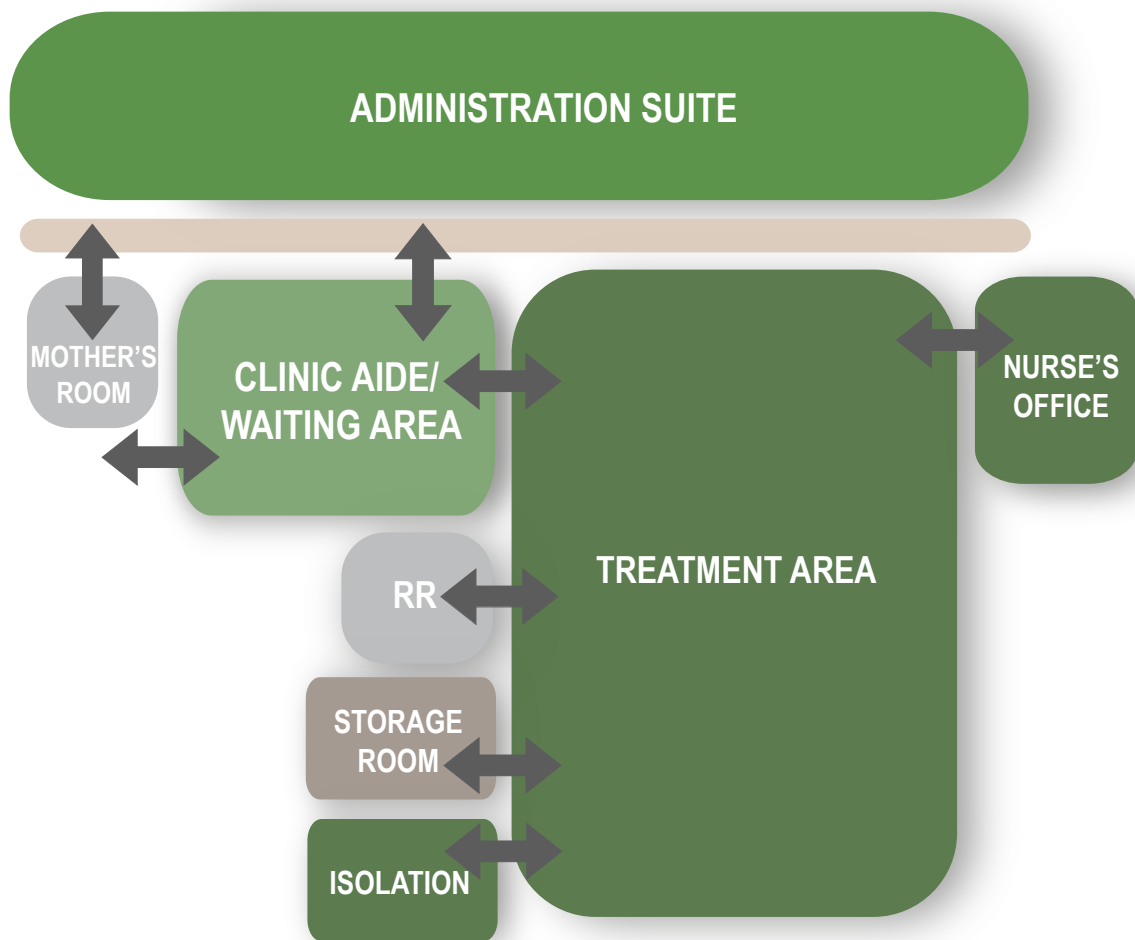
### ASSISTANT PRINCIPAL AND COUNSELING SUITE





## RELATIONSHIP DIAGRAM

CLINIC



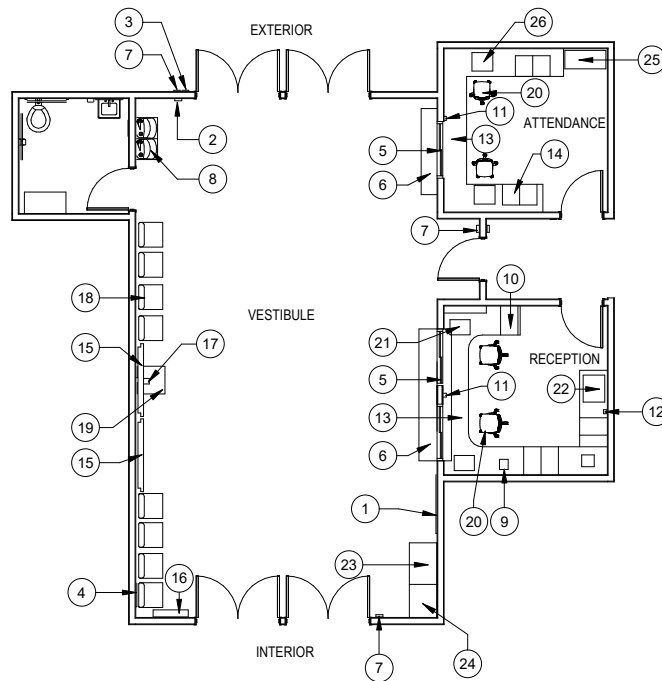
## Secure Entry Vestibule, Reception/Waiting Area, and Attendance Office

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Secure Entry Vestibule)	630	630	
1 (Reception)	400	400	
1 (Attendance Office)	200	200	

### SPATIAL RELATIONSHIP:

Security Entry Vestibule located at main entry to building; adjacent to reception. Reception/Waiting Area located in Administrative Suite adjacent to Secure Entry Vestibule, close to secretary and clinic. Locate in Administration Office with direct access to main hallway.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Display Case / 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	3	Two sliding windows; 36" x 36"; Workstations for 2
6	Transaction Counter	2	Workstations for 3
7	Card Reader	4	Door release at reception and at each workstation.
8	Water Fountain	1	Bi-Level Drinking fountain; Provide bottle filler
9	Intercom Microphone	1	
10	Vertical File Cabinet Drawers	6	Millwork; under counter
11	Lock Down Button	1	Panic Button
12	HVAC Shutdown Button	1	
13	Built-in Workstations		With Return
14	Under Counter Vertical Files	4	

Secure Entry Vestibule, Reception/Waiting Area, and Attendance Office			
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
15	Small Group Display Technology	2	To be controlled by reception.
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
16	LEED Plaque	1	
17	Telephone	1	
18	Chair / Benches	seating for 8	Wooden
19	Small Table	1	Under Display Screen
20	Task Chair	4	
21	Reception Tool Set	2	
22	Printer	1	
23	Small Table for Binders & Sign-in	1	Near Reception Counter
24	Computer Station	1	Registration
25	Copier	1	
26	Office Tool Set	2	
Notes:			
<ol style="list-style-type: none"> <li>1. Entry should be inviting and comfortable, providing a positive impression to all visitors, parents and students.</li> <li>2. Provide a door(s) with vision panel separating the waiting area from the school with access control or buzzer for controlled release by reception and attendance office.</li> <li>3. Locate display technology so it is visible to visitors waiting in this room.</li> <li>4. It is highly desirable for the reception to have a view to the visitor parking lot and area outside main door.</li> <li>5. Provide visual privacy into the administration spaces from the waiting area (no direct line of sight) and a physical barrier to keep people from entering the administration suite uninvited.</li> </ol>			

## Administrative Restrooms

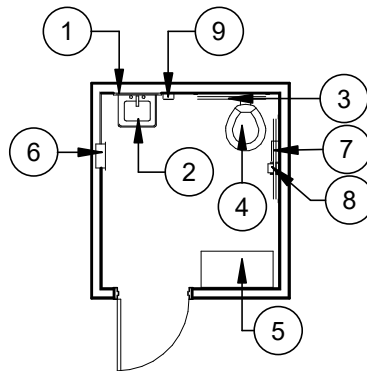
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Visitors' Restroom)	60	60	
6 (Unisex Staff Restrooms)	60	120	
2 (Faculty Lounge Restroom)	60	120	Required if faculty lounge is not located in the administrative suite
2 (Administration Staff Restrooms)	60	180	
1 (Kitchen Staff Restroom)	60	60	
1 (Custodial Staff Restroom)	60	60	
1 (Library Restroom)	60	60	

### SPATIAL RELATIONSHIP:

Visitors' Restroom located in secure entry vestibule. Administration restroom located off corridor in Administration. Locate unisex restrooms within each grade level area. Kitchen and custodial staff restrooms to be located adjacent to locker room in kitchen/custodial area.

### SPACE LAYOUT

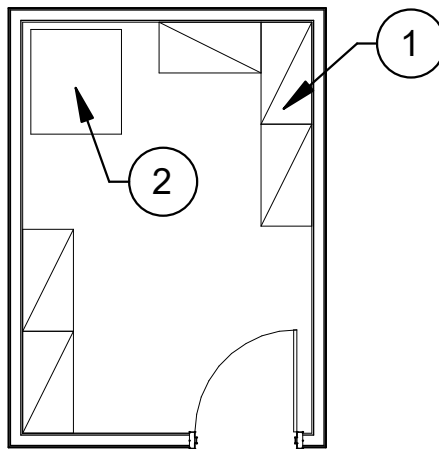


### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Mirror	1	
2	Sink	1	
3	Grab Bars	2	As required by ADA
4	Toilet	1	

Administrative Restrooms			
5	Changing Table-Baby	1	In visitor RR only
6	Paper Towel Dispenser/Trash	1	Combo dispenser and semi-recessed 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:			
1. If the Academic staff restrooms or Library restroom are located off public corridor, provide locks that can be used as privacy locks, or reconfigured for key access and automatic locking after each use.			

Administration Storage, Vault, and Testing Storage			
PROGRAM SPACES			
Quantity:	Area (SF):	Total (SF):	Comments:
1 (Administration Storage)	150	150	
1 (Testing Storage)	90	90	Room to have card reader access/ secure.
1 (Vault)	75	75	
SPATIAL RELATIONSHIP:			
Administration Storage, testing storage, and vault storage rooms are located in Administration Suite.			
SPACE LAYOUT			



FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Metal Shelving	Line Walls	Best configuration to maximize storage 36"x18"x84", ganged together.
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
2	Safe	1	Vault only.
Notes:			
1. Provide card reader access into Vault.			
2. Testing Storage to be 1 hour rated.			

## Volunteers in Public Schools Office (VIPS)

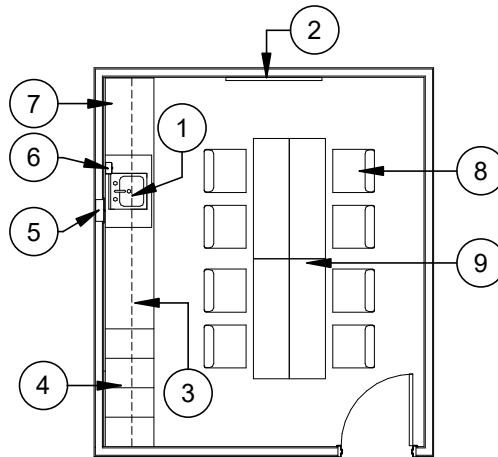
### PROGRAM SPACES

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

### SPATIAL RELATIONSHIP:

Located in Administrative Suite off main corridor near front entry.

### 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

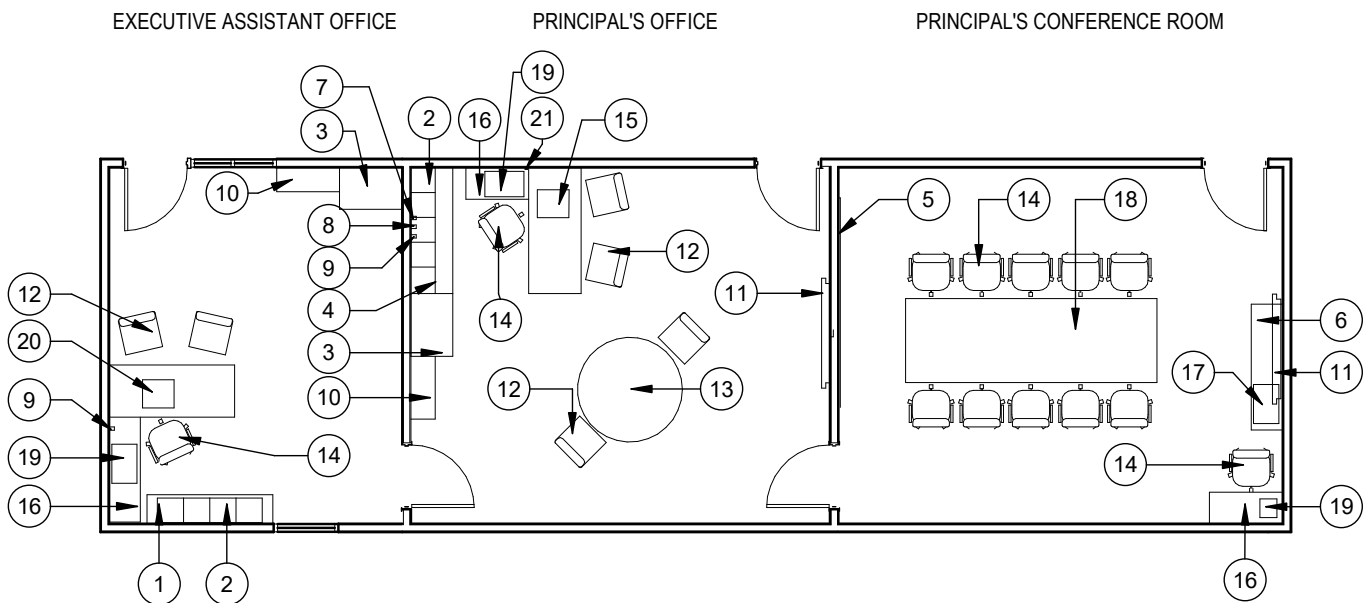
## PROGRAM SPACES

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

## SPATIAL RELATIONSHIP:

Principal's office, executive assistant, and principal's conference room located in administration suite close to the front entry off the main corridor. 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	5'x10'
6	Credenza	1	
7	Intercom Microphone	1	Executive handset
8	HVAC Shutdown Button	1	MEP systems
9	Lock Down Button	2	Panic button



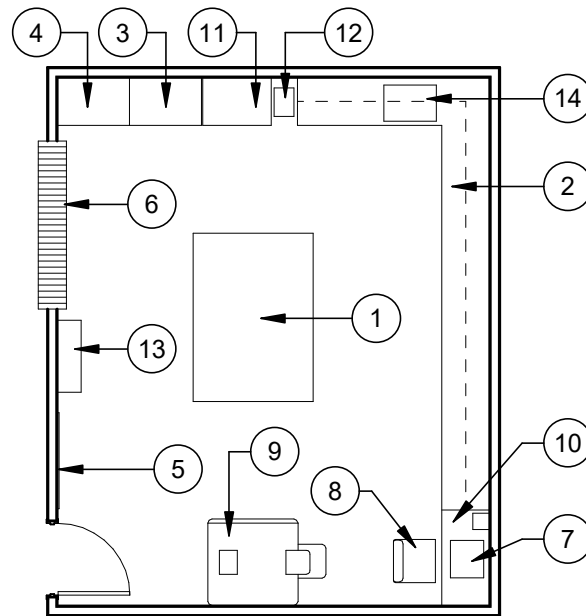
Principal's Office and Support Spaces			
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
10	Bookcase	2	Adjustable shelves; 36" x 36" x 84"
11	Small Group Interactive Display	2	Mount is Owner Furnished, Contractor Installed
12	Chair	6	
13	Small Conference Table	1	In Principal's office
14	Task Chair	13	
15	Principal Tool Set	1	
16	Desk	3	2 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	
Notes:			
1. Security lock down button is to be located in the Principal's and Executive Assistant's office.			

**Workroom/Mail Room****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
2	400	800	Space for equipment & supplies (i.e. laminator, copier, binding, etc.)

**SPATIAL RELATIONSHIP:**

Locate one within Administration Suite with hallway access and close to administration restrooms. Locate second room on 2nd floor.

**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 & Lower Cabinets		Locate on open wall space
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	250	Built-in or Prefab; only in 1st floor workroom. 30" to 60" AFF; mailbox size: 3"Hx12"Wx14"D

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

Tag #	Furniture / Equipment	Quantity	Notes
7	Misc. Tool Set	1	
8	Chair	1	For District Aide
9	Copier	1	See Note 5 below
10	Kneespace	1	For District Aide

**Workroom/Mail Room**

11	Laminating Table & Machine	1	Provide power
12	Industrial Shredder	1	Provide power
13	Safe	1	
14	Drop Safe	1	On counter top.

**Notes:**

1. Confirm data and power for copier with manufacturer recommendations.
2. If no Teacher's lounge in the area, provide under counter refrigerator and area for Coffee Maker at Workroom/Mail room in Administration Suite.
3. Access mailboxes from corridor only 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.

## Faculty Lounge

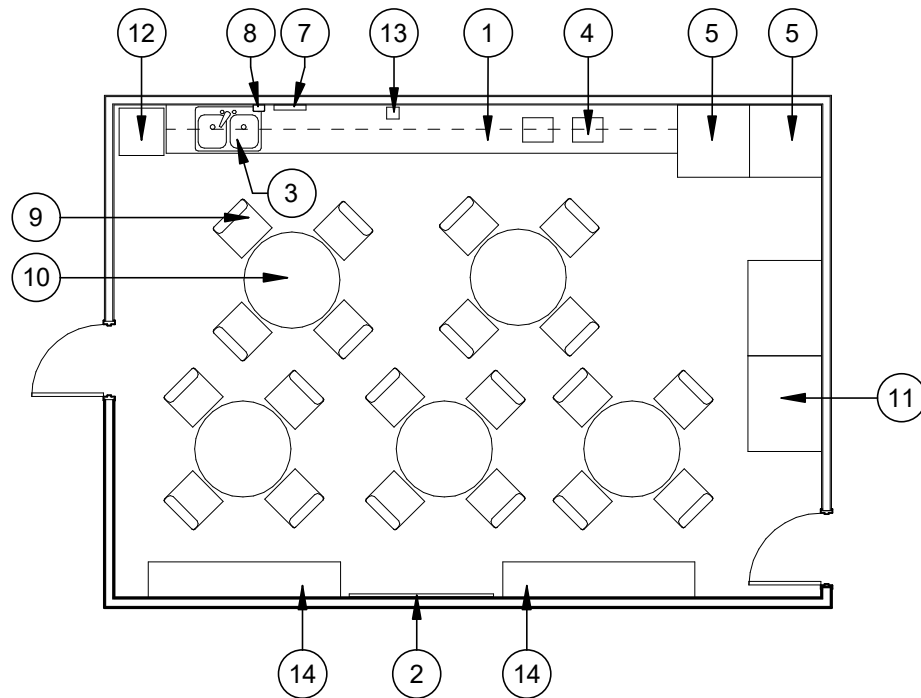
## PROGRAM SPACES

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

## SPATIAL RELATIONSHIP:

Located near or adjacent to Work Room, within or adjacent to Administrative Suite. Two staff restrooms 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		
2	Markerboard	1	5' x 6'
3	Double Compartment Sink	1	With garbage disposal
4	Microwave	2	Mount below upper cabinet
5	Refrigerator	2	With ice maker
6	Not Used		

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

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

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

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

Faculty Lounge			
13	Telephone	1	
14	Activity Table	2	
Notes:			
1. No cooktops, ovens, or dishwashers.			
2. Provide power, connections and drain for a future ice maker.			

## Associate Principal Office and Admin. Assistant Offices

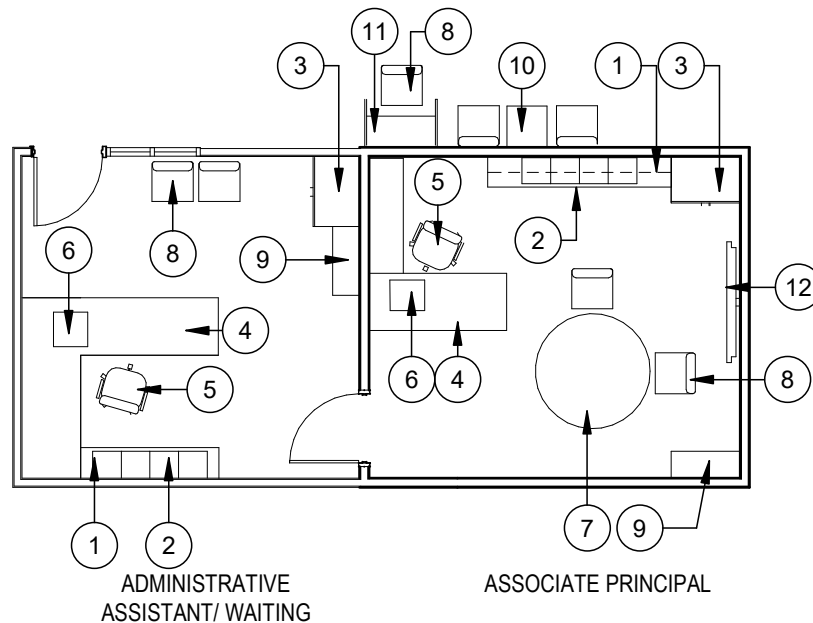
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Associate Principal)	225	225	
1 (Administrative Assistant/ Waiting)	150	150	

### SPATIAL RELATIONSHIP:

Associate Principal office shall be located within Administration Suite. Assistant Principal offices to be located two per grade level, as shown below.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Overhead Cabinets		
2	Vertical File Cabinet Drawers	8	Plastic Laminate Top
3	Teacher Wardrobe	2	Lockable. 36" x 24" x 84"

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

Tag #	Furniture / Equipment	Quantity	Notes
4	Desk	2	With return
5	Task Chair	2	
6	Office Tool Set	2	
7	Small Conference Table	1	
8	Chair	7	3 Chairs outside of office
9	Bookcase	2	Moveable
10	Table	1	
11	Study Carrel	1	
12	Small Group Interactive Display	1	Mount is Owner Furnished/Contractor Installed

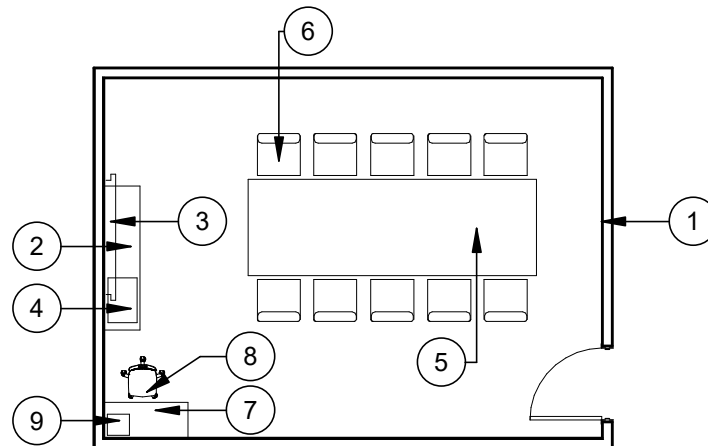
### Notes:

**Conference Room****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
2	300	600	

**SPATIAL RELATIONSHIP:**

Locate within administration area.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	1	5' x 10'
2	Credenza	1	18" deep

**FURNITURE & 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	
5	Conference Table	1	Floor outlet if permitted by geotechnical report
6	Chair	10	
7	Desk	1	For ARD meetings
8	Task Chair	1	For ARD meetings
9	Printer	1	For ARD meetings

**Notes:**

## Special Education Office

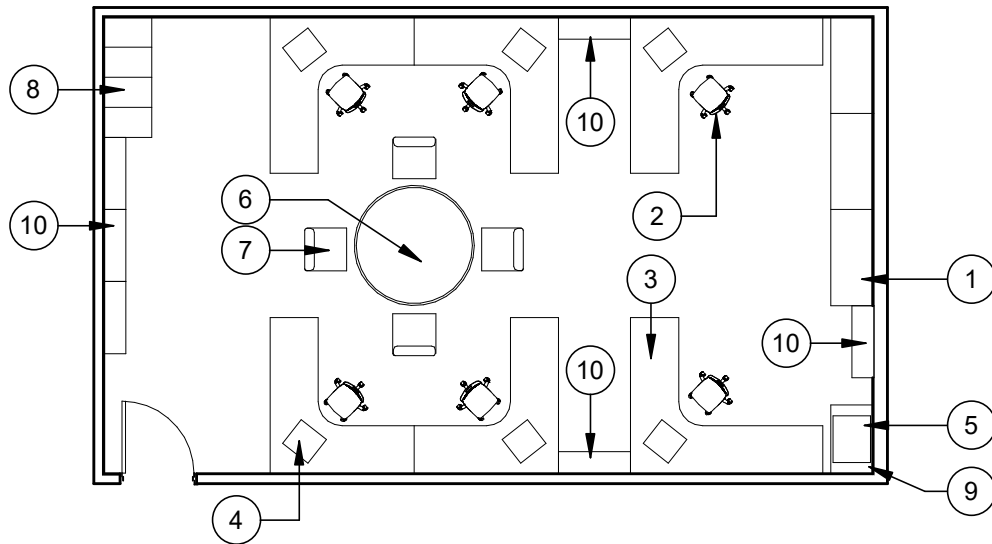
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1	600	600	Large group space for special programs

### SPATIAL RELATIONSHIP:

May be located in the Specialized Classroom wing with access to Special Education.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Tall Cabinet		Line wall

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

Tag #	Furniture / Equipment	Quantity	Notes
2	Task Chair	6	
3	Desk	6	With return and filing cabinets
4	Office Tool Set	6	
5	Printer	1	Shared
6	Conference Table	1	
7	Chair	4	
8	Vertical File Cabinets	4	
9	Table	1	
10	Bookcase	6	

### Notes:



## Therapy Testing

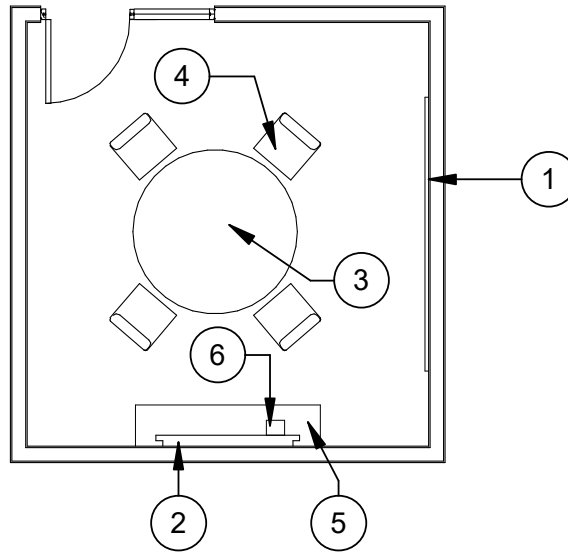
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
3	80	380	

### SPATIAL RELATIONSHIP:

Adjacent to each other and close to Special Education offices.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	1	3'W x 7'H x 2'D

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

Tag #	Furniture / Equipment	Quantity	Notes
2	Small Conference Toolset	1	Mount is Owner Furnished/Contractor Installed
3	Conference Table	1	
4	Chairs	4	
5	Credenza	1	
6	Phone	1	

### Notes:

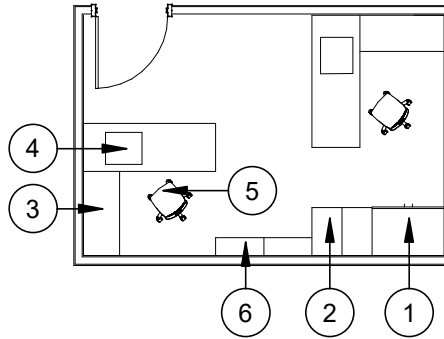
1. Can be utilized for counseling services outside of Fort Bend ISD.

**Data Clerk****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate within administration suite.

**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	Vertical File Cabinets	2	
3	Desk	2	With return
4	Office Tool Set	2	
5	Task Chair	2	
6	Bookcase	2	

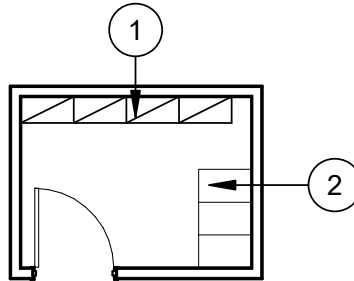
**Notes:**

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

Quantity:	Area (SF):	Total (SF):	Comments:
1	50	50	

**SPATIAL RELATIONSHIP:**

Locate within administration suite.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Metal Shelving	4	36" x 24" x 84"; Gang together next to wall.

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

Tag #	Furniture / Equipment	Quantity	Notes
2	High Density Storage		Line Walls

**Notes:**

## Campus Assistant Coordinator

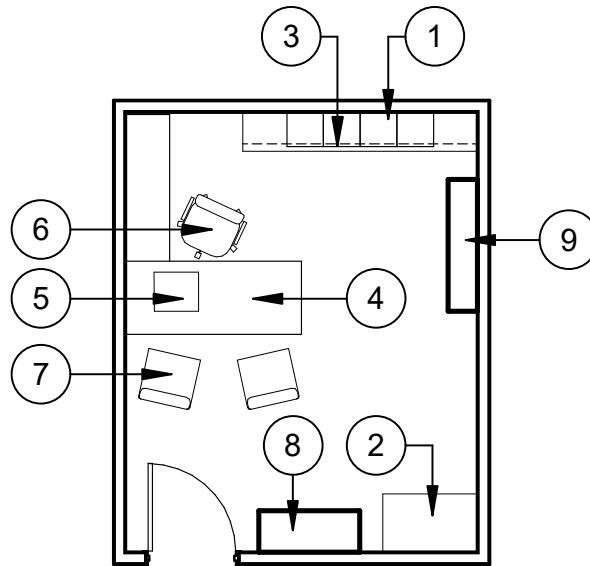
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1	250	250	

### SPATIAL RELATIONSHIP:

Locate near Testing Storage within administration area near other counseling rooms.

### SPACE LAYOUT



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

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

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

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

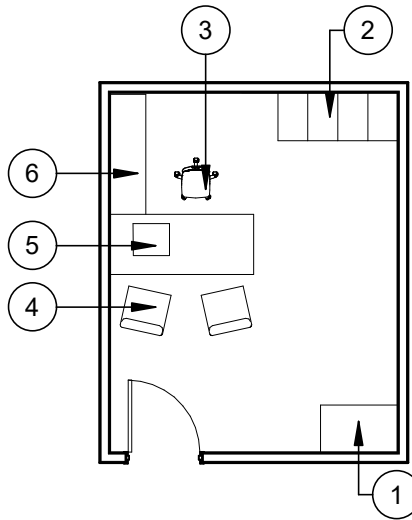
### Notes:

**Bookkeeper Office****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Located in Administration.

**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	Vertical File Cabinet	4	
3	Task Chair	1	
4	Visitor Chair	2	
5	Office Tool Set	1	
6	Desk	1	With return

**Notes:**

## Clinic and Support Spaces

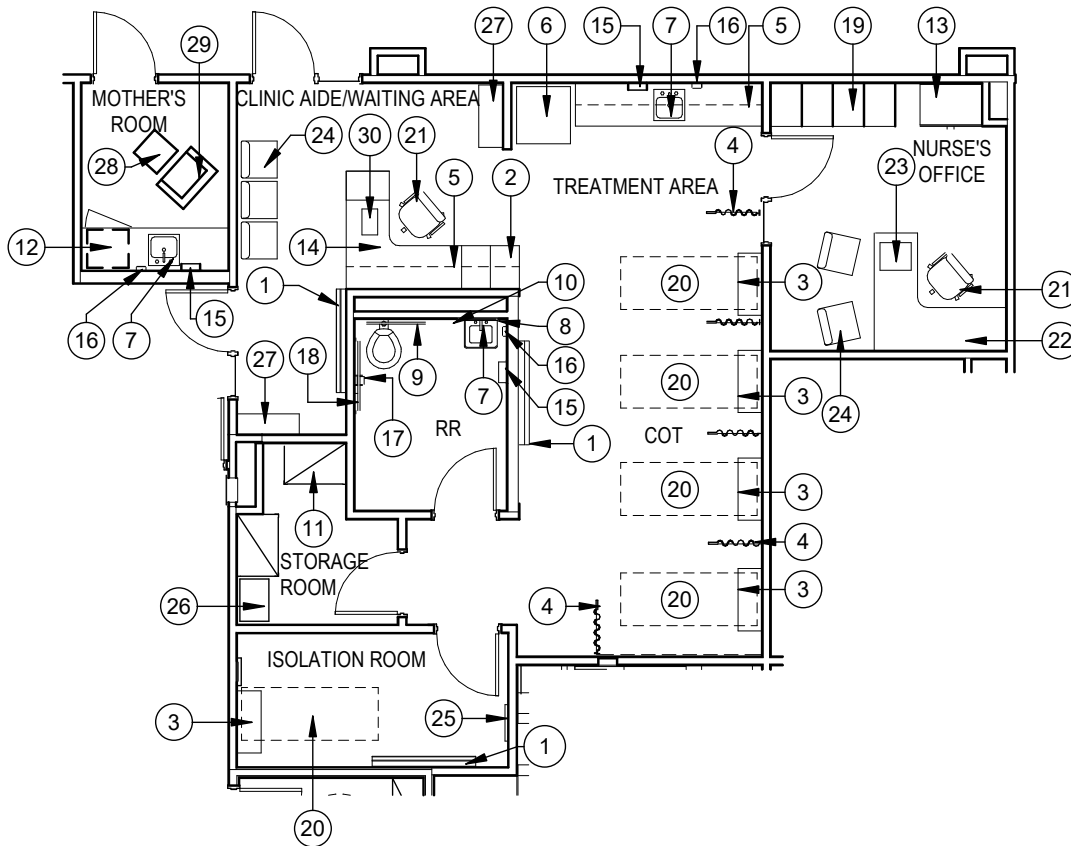
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Clinic Aide/Waiting Area)	200	200	
1 (Treatment Area)	520	520	Refrigerator should be tied to emergency generator.
1 (Isolation Room)	80	80	
1 (Nurse's Office)	150	150	Window (s) to view into waiting / treatment spaces.
1 (Clinic Restroom)	60	60	
1 (Storage Room)	60	60	
1 (Mother's Room)	80	80	

### SPATIAL RELATIONSHIP:

Spaces to be adjacent to each other housed within the clinic area and with direct access to the nurse office. Entry to clinic is off main school corridor. Nurse's Office should be located adjacent to Treatment and Clinic Aide spaces. Mother's room should be located near clinic with easy access from main hallway/corridor.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	3	5' x 4'
2	Vertical File Cabinet Drawers	3	Under Counter
3	Overhead Cabinets	5	
4	Cubicle Curtains	5	
5	Upper & Lower Cabinet		Line wall in Treatment Room
6	Refrigerator with Ice Maker	1	Provide drain
7	Sink	3	

Clinic and Support Spaces			
8	Mirror	1	
9	Grab Bars	2	As required by ADA
10	Handheld Shower	1	Provide drain
11	Metal Shelving	2	24" deep on 1 wall
12	Under Counter Refrigerator	1	
13	Teacher Wardrobe	1	
14	Millwork Desk	1	With return
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
15	Paper Towel Dispenser	3	
16	Soap Dispenser	3	
17	Toilet Paper Dispenser	1	
18	Feminine Napkin Disposal	1	On floor if there is tile wall.
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
19	Vertical File Cabinet Drawers	4	Plastic Laminate Top in Nurse's Office
20	Cots	5	30"D x 6'L
21	Task Chair	2	Rolling in Treatment Area
22	Desk	1	With return
23	Clinic Tool Set	2	
24	Chair	5	
25	Eye Chart	1	
26	Nurse Cart	1	
27	Bookcase	2	Moveable
28	Small Table	1	
29	Soft Seating	1	
30	Office Tool Set	1	
Notes:			
1. Allow 3'-6" to 4'-0" between cots. 2. Provide lights over each cot in treatment and isolation areas with individual switches. 3. Provide electrical outlet at each cot. 4. Electrical outlets for devices should be tied to emergency generator. 5. Prescription storage areas to be keyed independently of clinic keying systems. 6. Provide window(s) from Nurse Office into Treatment Areas/Clinic, with direct line of sight to cots. 7. Provide electrical outlets in storage for hearing equipment. 8. Provide clear floor area inside storage for a wheelchair and cart mounted hearing equipment. 9. In Mother's room, provide power on all walls for pump set-up.			

## Assistant Principal and Counselor Suite

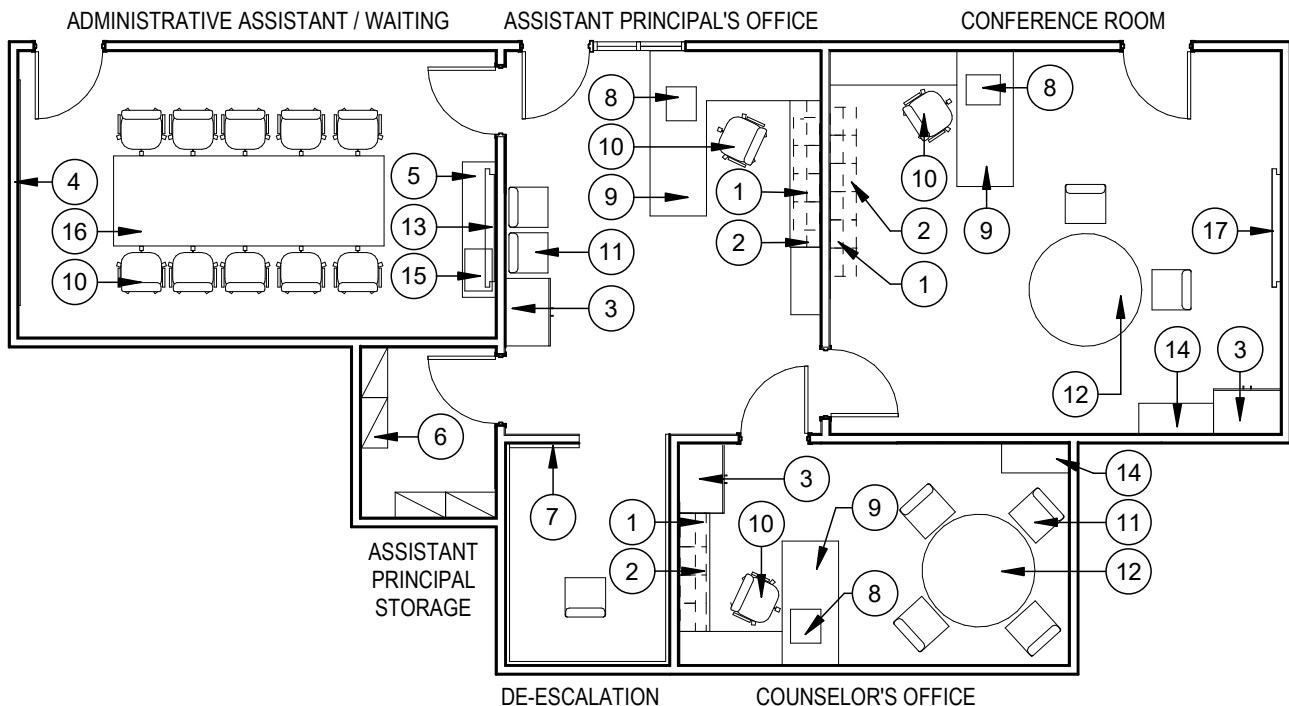
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
3 (Assistant Principal's Office)	225	675	One Assistant Principal per grade for 6th/7th/8th.
3 (Administrative Assistant / Waiting)	150	450	One for each grade level.
3 (Conference Rooms)	200	600	One for each grade level.
3 (Assistant Principal Storage)	50	150	One for each grade level.
3 (Counselor's Office)	200	600	Confirm quantity of counselor's prior to design.
3 (De-Escalation Area)	60	180	One for each grade level.

### SPATIAL RELATIONSHIP:

Assistant Principal Secretary/Waiting, Assistant Principal Office, Conference room, Counselor's office, and De-escalation spaces to be located one per grade level, as shown below.

### SPACE LAYOUT





**Assistant Principal and Counselor Suite****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Overhead Cabinets		Same length as file bank typically.
2	Vertical File Cabinet Drawers	8	Plastic Laminate Top
3	Teacher Wardrobe	3	Lockable. 36" x 24" x 84"
4	Markerboard	1	5' x 10'
5	Credenza	1	18" depth preferred
6	Metal Shelving	Line Walls	Best configuration to maximize; 36" x 18" x 84" -must be ganged together and affixed to walls
7	High Impact Acoustical Panels		Line walls of De-Escalation Area

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

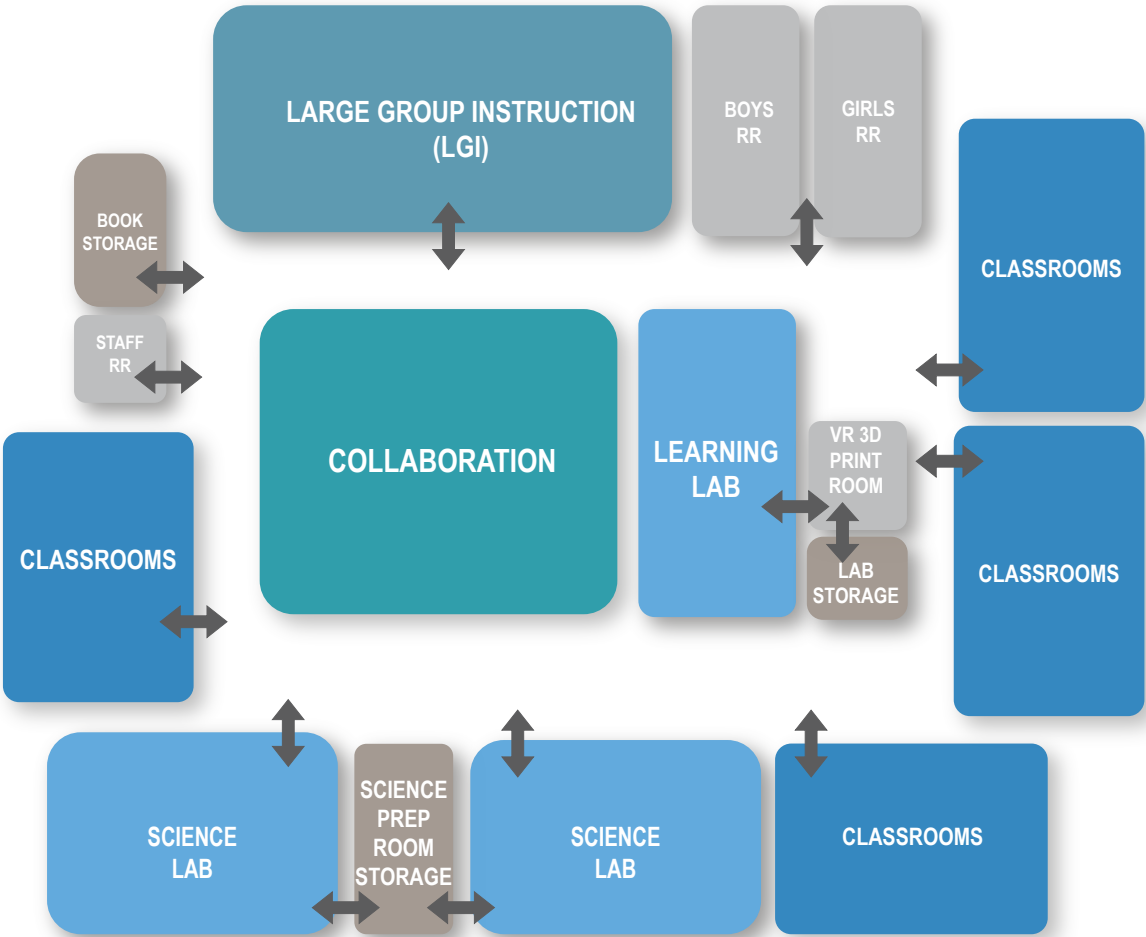
Tag #	Furniture / Equipment	Quantity	Notes
8	Office Tool Set	3	
9	Desk	3	With return
10	Task Chair	13	
11	Chair	9	
12	Small Conference Table	2	
13	Fixed Projection Device	1	Mount is Owner Furnished/Contractor Installed
14	Bookcase	2	
15	Large Conference Tool Set	1	
16	Conference Table	1	Floor outlet if permitted by geotechnical report
17	Small Group Interactive Display	1	Mount is Owner Furnished/Contractor Installed

**Notes:**

# Academic Classrooms

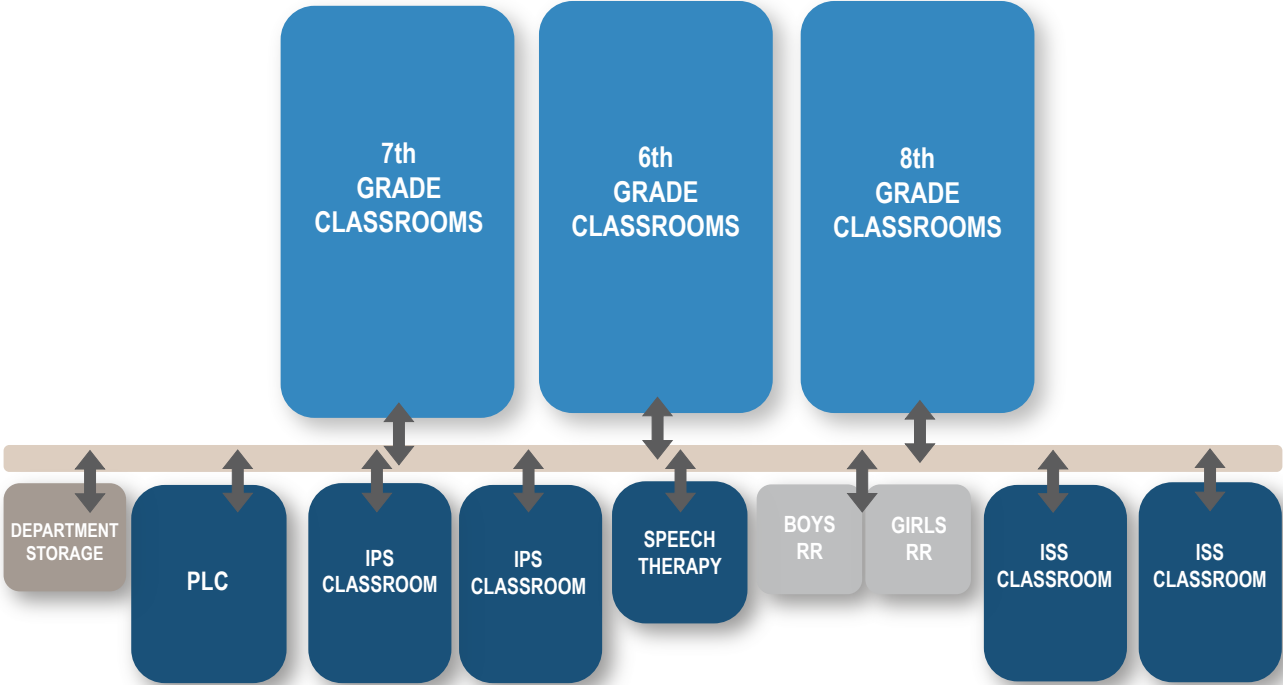
RELATIONSHIP DIAGRAM

GRADE LEVEL CLASSROOM SPACES



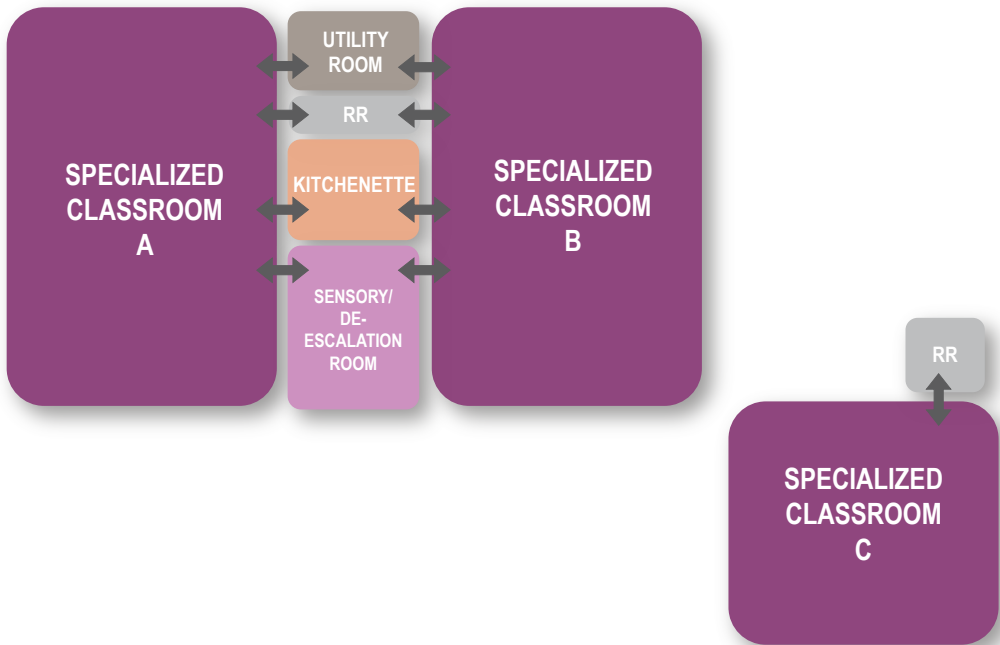
RELATIONSHIP DIAGRAM

GRADE LEVEL CLASSROOM SPACES



RELATIONSHIP DIAGRAM

SPECIAL EDUCATION



## Classrooms

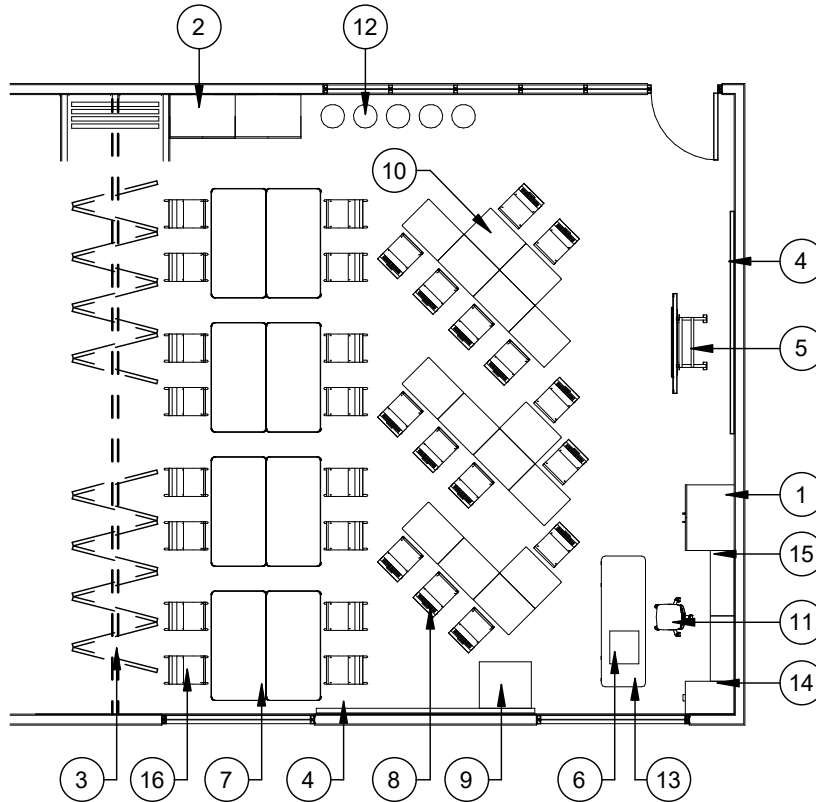
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
27	800	21,600	

## SPATIAL RELATIONSHIP:

Locate appropriate number of classrooms per grade level in each grade level classroom wing.

## SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	1	Lockable. 36" x 24" x 84"
2	Tall Shelving Unit	2	Lockable. 36" x 24" x 84"
3	Magnetic Folding Wall	1	Markerboard Surface
4	Markerboard	2	5' x 10'

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

Tag #	Furniture / Equipment	Quantity	Notes
5	Mobile Instructional Display Technology	1	
6	Teacher Tool Set	1	
7	Student Desk	8	
8	Student Chair	15	Stackable
9	Student Device Cart	1	
10	Student Desk	15	Seated
11	Teacher Chair	1	
12	Wobble Stool	5	18 1/2"; 2 used as desk chairs
13	Teacher Desk	1	

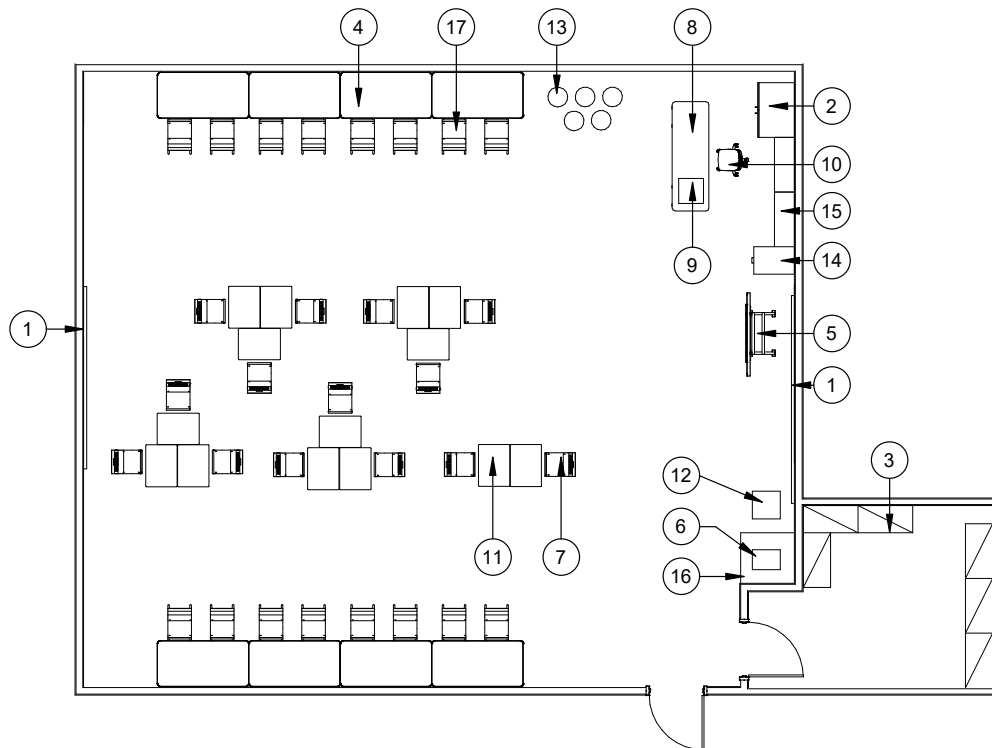
**Classrooms**

14	4 Drawer Vertical Filing Cabinet	1	
15	Bookcase	2	Moveable
16	Student Chair/Stool	16	Standing Height

**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. Provide electrical outlet in one tall shelving unit for calculator storage/charging.

Journalism Classroom and Storage			
PROGRAM SPACES			
Quantity:	Area (SF):	Total (SF):	Comments:
1 (Journalism Classroom)	900	900	
1 (Storage)	100	100	
SPATIAL RELATIONSHIP:			
Locate Journalism Classroom next to Broadcast Room. Locate storage next to classroom.			
SPACE LAYOUT			



FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	2	5' x 12'
2	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"
3	Metal Shelving		Line walls; 36" x 24" x 84"; gang together and affix to walls
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
4	Student Desk	8	Combination single/double standing
5	Mobile Instructional Display	1	
6	Printer	1	
7	Student Chair	14	Seated
8	Teacher Desk	1	
9	Teacher Tool Set	1	
10	Teacher Chair	1	
11	Student Desk	14	Seated height



Journalism Classroom and Storage			
12	Student Devices Cart	1	
13	Wobble Stools	5	
14	4 Drawer Vertical Filing Cabinet	1	
15	Bookcase	2	Moveable
16	Table	1	
17	Student stools/chairs	16	Standing
<b>Notes:</b>			
1. Provide 6" sidelight into collaboration/hallway.			
2. When available, provide windows to outside for natural light.			

## Science Lab and Prep Room/Storage

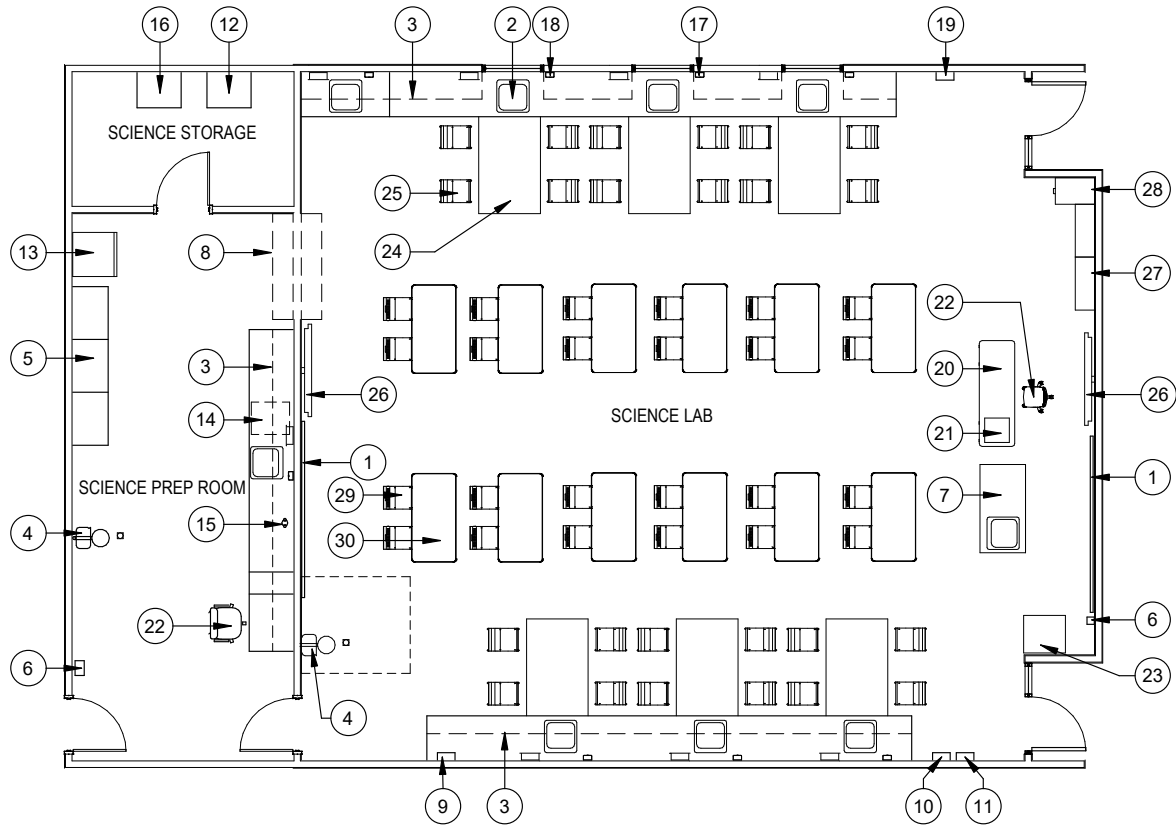
### PROGRAM SPACES

Quantity	Area (SF):	Total (SF):	Comments:
9 (Science Lab)	1,400	12,600	
6 (Science Prep Room / Science Storage)	300	1,800	

### SPATIAL RELATIONSHIP:

Science labs shall be easily accessed by all classrooms; desirable location near an outdoor area with an exit door with hose bibb and power for related activities. Locate Science Prep Rom / Science Storage between (2) Science Labs.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	2	5' x 10'
2	Sinks	9	One Handicap Accessible in Science Lab
3	Upper and Lower Cabinets		Line two walls in Science Lab; Line one wall in Science Prep; with sinks
4	Emergency Eye Wash & Shower	2	Drain below; slope to drain
5	Closed Cabinets	3	Lockable. 36" x 24" x 84"
6	Isimet Controls	2	Connect all utilities
7	Teacher Demonstration Table	1	60" x 24" x 84"; with sink
8	Pass-Thru Fume Hood	1	
9	Fire Extinguisher Cabinet	1	
10	Goggle Cabinet	1	
11	Fire Blanket	1	

Science Lab and Prep Room/Storage			
12	Acid Resistant Cabinet	1	36" x 24" x 84"
13	Residential Refrigerator	1	Full Size
14	Dishwasher	1	
15	Exhaust Fan	1	
16	Fire Resistant Cabinet	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
17	Paper Towel Dispenser	8	
18	Soap Dispenser	8	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
19	First Aid Kit	1	
20	Teacher Desk	1	
21	Teacher Tool Set	1	
22	Teacher Chair	2	
23	Student Device Cart	1	
24	Student Table	6	Counter height
25	Student Stool	24	With back
26	Fixed Instructional Display Technology	2	Mount is Owner provided, contractor installed. Duplicate screens.
27	Bookcase	2	Moveable
28	4 Drawer Vertical Filing Cabinet	1	
29	Student Chair	24	
30	Student Table	12	Moveable
Notes:			
<ol style="list-style-type: none"> <li>1. Provide fume hood in all Science rooms per TEA requirement. Fume hood to be pass-thru to prep room. Ensure fume hood is handicap accessible.</li> <li>2. Provide gas at teacher's demonstration table and prep room.</li> <li>3. Provide outlets throughout for student device use.</li> <li>4. Comply with TEA regulations for room exhaust.</li> <li>5. Provide glass doors at upper cabinets.</li> <li>6. Sinks to be tied to acid dilution waste piping and tank. Refer to Technical Design Guidelines.</li> <li>7. Provide separate chemical storage room, Science storage. Room to comply with TEA regulations for room exhaust.</li> </ol>			

## Learning Lab and Storage

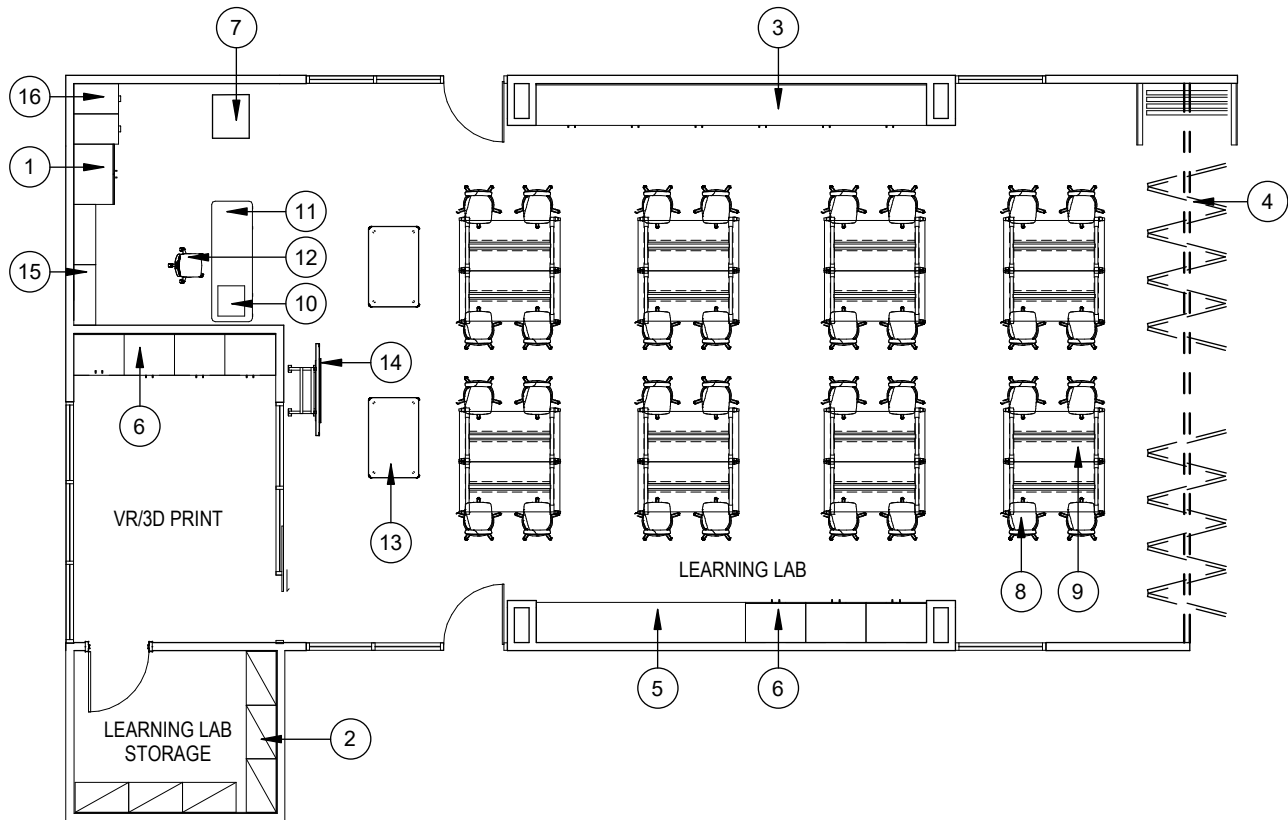
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
3 (Learning Lab)	1,000	3,000	
3 (VR/3D PRINT)	150	450	
3 (Learning Lab Storage)	80	240	

### SPATIAL RELATIONSHIP:

Locate a lab by each grade level wing. Locate Learning Lab Storage next to Learning Lab.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher Wardrobe	1	Lockable. 36" x 24" x 84"
2	Metal Shelving		Line Walls; 36" x 24" x 84"; gang together and affix to walls
3	Lower Cabinet	6	With one adjustable shelf. 6 outlets above and 3 below. Writable surface on 2 walls.
4	Foldable partition		Markerboard surface on both sides
5	Counter		For 3 desktop stations
6	Tall Cabinets	7	Lockable

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

Tag #	Furniture / Equipment	Quantity	Notes
7	Student Devices Cart	1	
8	Student Chair	32	

Learning Lab and Storage			
9	Computer desk	16	Desk for 2
10	Teacher Tool Set	1	
11	Teacher Desk	1	
12	Teacher Chair	1	
13	Activity Table	2	
14	Mobile Instructional Display	1	
15	Bookcase	2	Moveable
16	4 Drawer Vertical File Cabinet	2	
<b>Notes:</b>			
1. Power in this room is critical for flexibility and maximum room use.			

## Large Group Instruction (LGI)

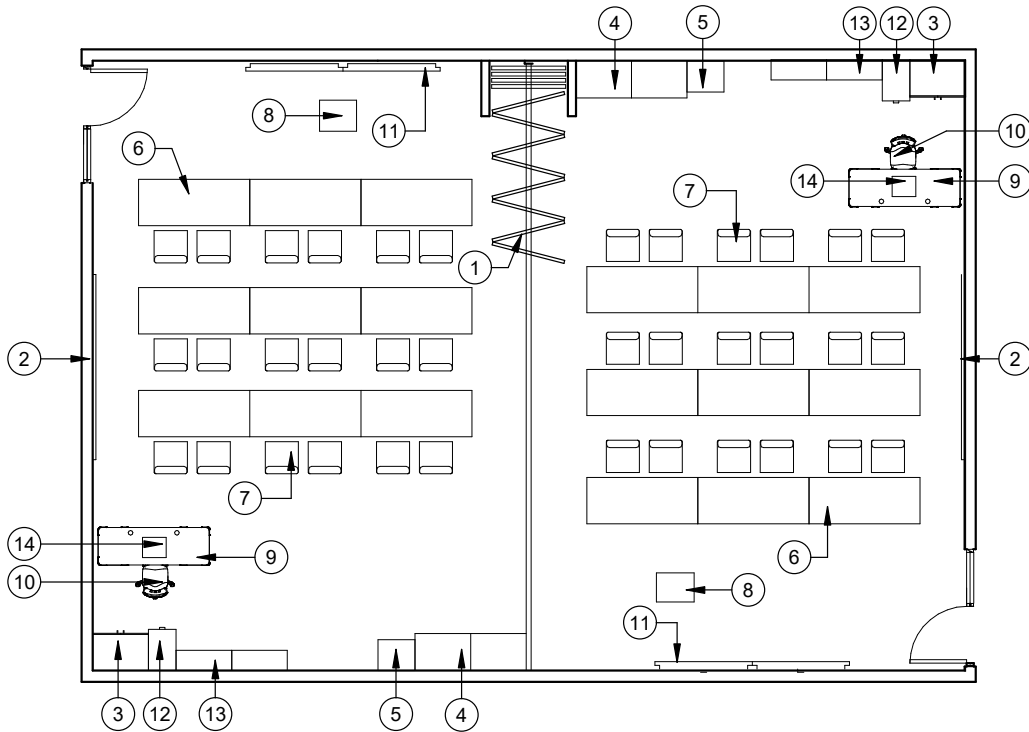
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
3	1,600	4,800	

### SPATIAL RELATIONSHIP:

Locate close to classroom areas; one per grade level.

### 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

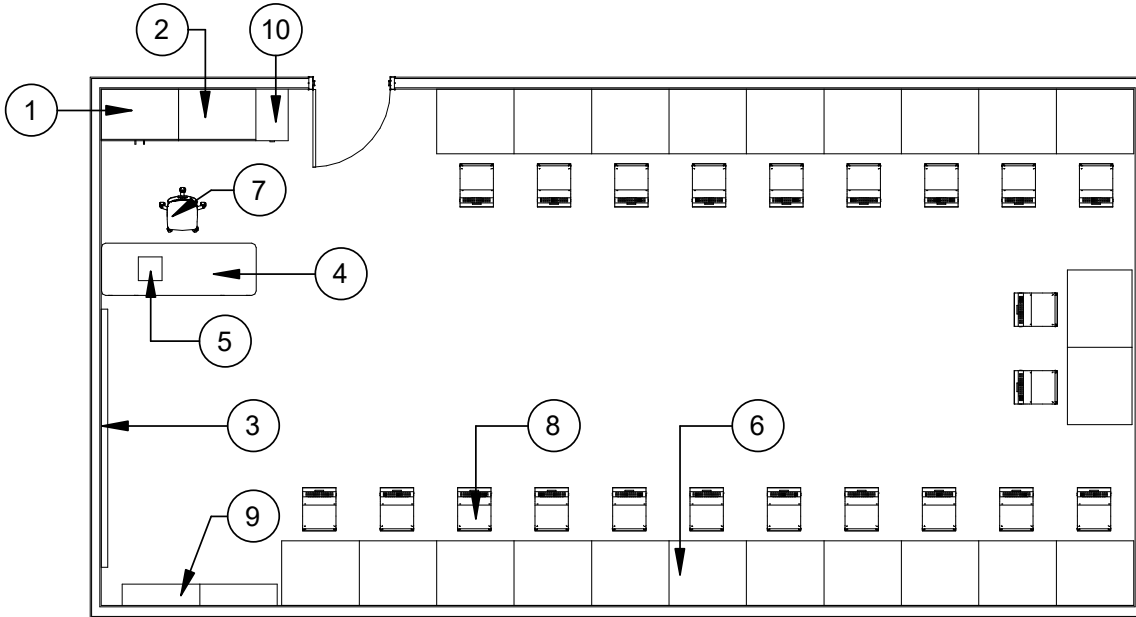
Tag #	Furniture / Equipment	Quantity	Notes
5	Student Devices Cart	2	
6	Tables	18	Seats 2
7	Chairs	36	Stackable
8	Podium	2	Mobile
9	Teacher Desk	2	
10	Task Chair	2	
11	Instructional Display Technology	4	Mount is Owner Furnish, Contractor Installed
12	Vertical Filing Cabinet	2	
13	Bookcase	4	Moveable

**ISS Classroom****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
2	800	1,600	

**SPATIAL RELATIONSHIP:**

Locate close to commons and student restrooms.

**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	Lockable. 36" x 24" x 84"
3	Markerboard	1	5' x 10'

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

Tag #	Furniture / Equipment	Quantity	Notes
4	Teacher Desk	1	
5	Office Tool Set	1	
6	Student Desks	22	Study Carrels
7	Teacher Chair	1	
8	Student Chair	22	
9	Bookcase	2	
10	File Cabinet	1	

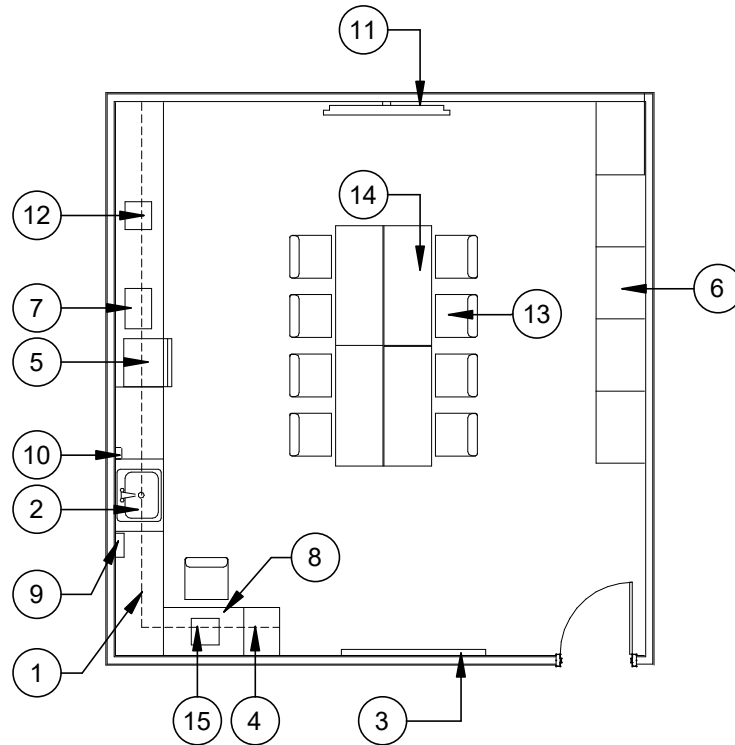
**Notes:**

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

Quantity:	Area (SF):	Total (SF):	Comments:
4	500	2,000	

**SPATIAL RELATIONSHIP:**

PLC should be centralized to the building near classrooms areas but not within grade level pods. PLC and departmental storage to be located adjacent to each other.

**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'x5'
4	Vertical File Cabinet Drawers	1	
5	Refrigerator	1	Under cabinet
6	Full Height Cabinets	5	
7	Microwave	1	
8	Hot Desk Station	1	Knee Space below

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

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



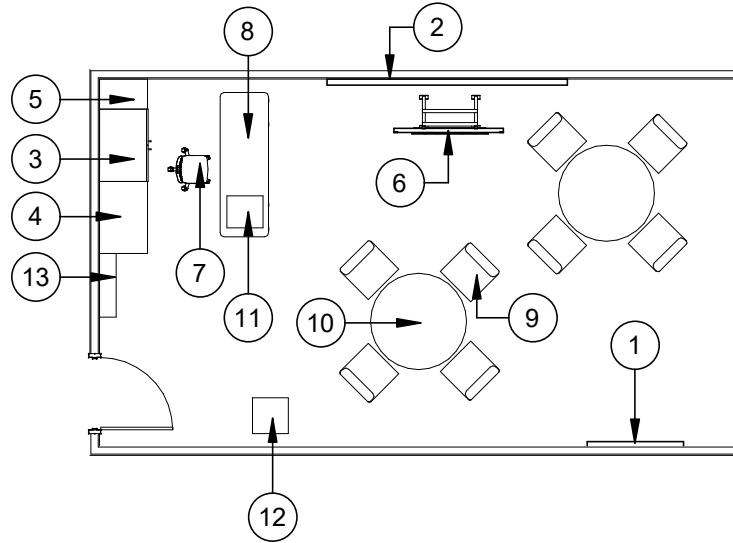
PLC - Professional Learning Community/Teacher Workroom			
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
11	Interactive Display	1	Mount is Owner Furnished/ Contractor Installed
12	Printer	1	
13	Chairs	9	
14	Flip Table	4	
15	Misc. Tool Set	1	
Notes:			

**Speech Therapy****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate close to Classroom Area and in close proximity to other specialized classrooms.

**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'
3	Wardrobe	1	Lockable; 36" x 24" x 84"
4	Tall Storage	1	

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

Tag #	Furniture / Equipment	Quantity	Notes
5	Vertical File Cabinet	1	
6	Mobile Instructional Display Technology	1	
7	Task Chair	1	
8	Teacher Desk	1	
9	Chair	8	
10	Table	2	Round
11	Teacher Tool Set	1	
12	Student Devices Cart	1	
13	Bookcase	1	

Notes:

## Book Storage and Department Storage

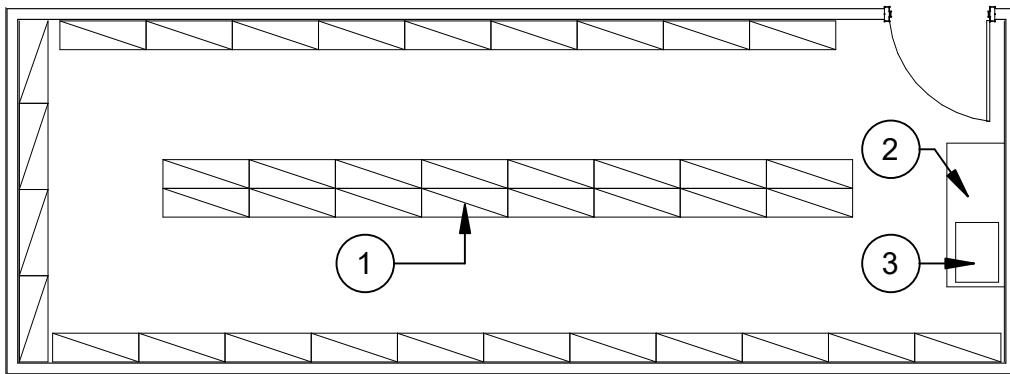
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
4 (Book Storage)	200	800	
5 (Department Storage)	150	750	

### SPATIAL RELATIONSHIP:

Locate Book Storage by entrance to grade level areas. Locate Department Storage adjacent to PLC rooms. Metal Shelving should utilize most efficient use of space allowing only the ADA compliant space.

### RELATIONSHIP DIAGRAM



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

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

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

Tag #	Furniture / Equipment	Quantity	Notes
2	Table	1	Located in Book Storage only
3	Scanner	1	

### Notes:

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## Collaboration Area

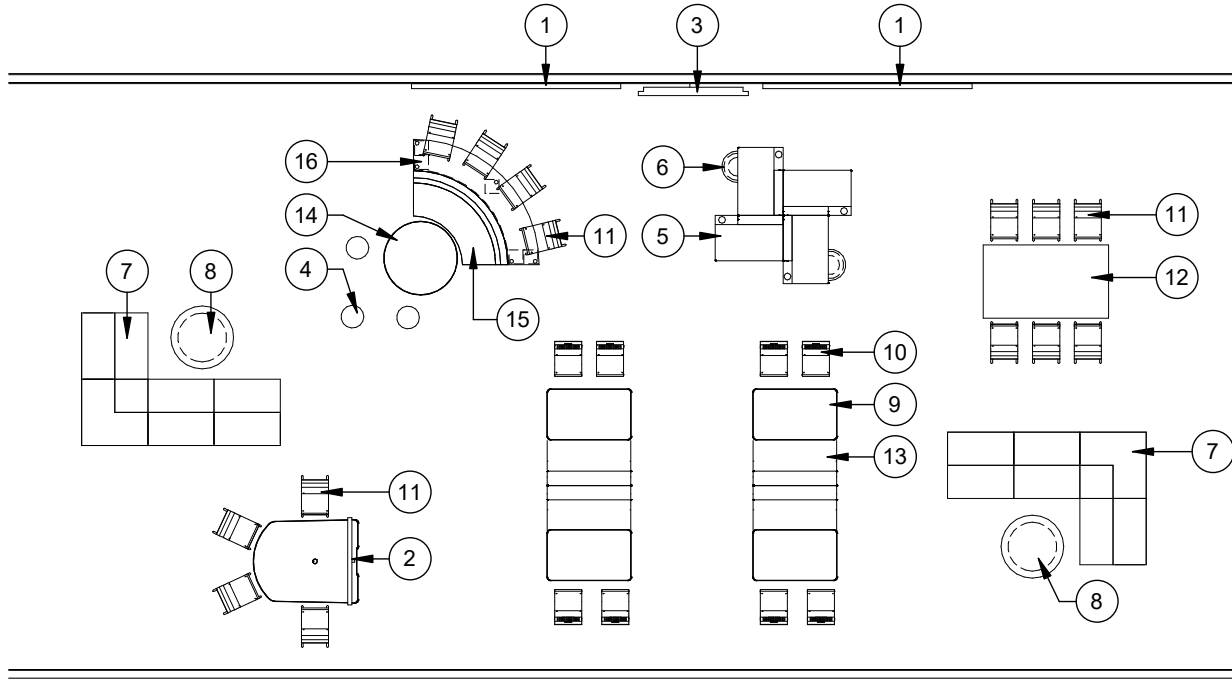
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
TBD	2,000 per grade level area	6,000	

### SPATIAL RELATIONSHIP:

Directly adjacent to each grade level classroom cluster, within close proximity of restroom and water fountains. Collaboration areas can be split into two areas with classrooms on sides and in between or one larger space surrounded by classrooms.

### RELATIONSHIP DIAGRAM



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

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

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

Tag #	Furniture / Equipment	Quantity	Notes
2	Table with Screen	1	Power and data must be available
3	Instructional Display Technology	1	Mount is OFCI
4	Stools	3	
5	Hub Seating	4	
6	Coffee Table	2	
7	Soft Seating	8	Lounge chair
8	Table	2	Round
9	Student Table	4	
10	Student Chair	8	
11	Counter Height Stools	14	With Back
12	Table	1	Bar Height

**Collaboration Area**

13	Booth Seating	4	
14	Table	1	Round; adjustable
15	Lounge Seating	1	Curved
16	Table	1	Curved, bar height

**Notes:**

1. Provide plenty of electrical outlets at counter height table for charging.
2. Power in this room is critical for flexibility and maximum room use. Multiple floor outlets are needed at center of room as permitted by Geotech report.

## Student Restrooms

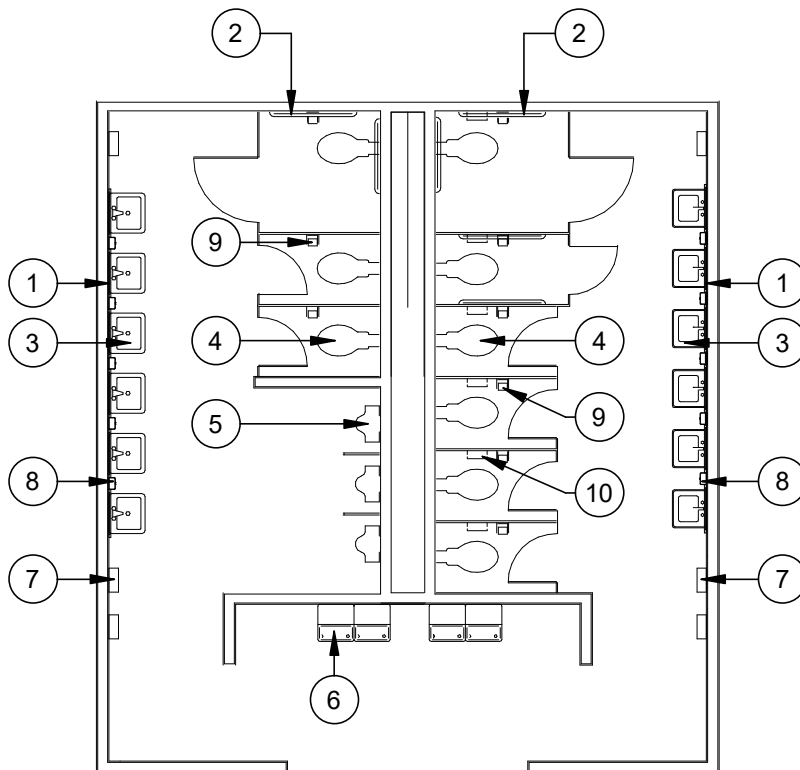
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
6 (Academic Student Restrooms)	250	1,500	One set for girls, one for boys per grade level
2 (Cafeteria Student Restrooms)	250	500	One set for girls, one for boys
2 (CTE Student Restrooms)	250	500	One set for girls, one for boys
2 (Fine Arts Student Restrooms)	250	500	One set for girls, one for boys
2 (Athletic Visitor Restrooms)	250	500	One for men and one for women

### SPATIAL RELATIONSHIP:

One set (boys/girls) of academic restrooms located close to classrooms and commons area per grade level. Locate cafeteria restrooms by cafeteria directly off main hallway. Locate CTE restroom close to CTE spaces. Located Fine Arts restrooms close to Fine Arts spaces. Located athletic visitor restrooms adjacent to Competition Gym and Practice Gym.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Mirror	12	1 per sink, confirm with sink counts
2	Grab Bars	6	As required in handicap stalls
3	Sink	12	Per Restroom; Confirm with required counts
4	Toilet	9	9 Total, 2 minimum, confirm with required counts

**Student Restrooms**

5	Urinal	3	Boy's Only, confirm with required counts
6	Drinking Fountains	2 Sets	Near each restroom; Bi Level; With bottle filler; confirm with req. counts

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

Tag #	Furniture / Equipment	Quantity	Notes
7	Paper Towel Dispenser	4	Owner Furnished/Contractor Installed if not recessed
8	Soap Dispenser	10	Between every sink, confirm with sink counts
9	Toilet Paper Dispenser	9	9 total, 1 per stall
10	Feminine Napkins Disposal	6	1 per Girl's stall

**Notes:**

1. Preferred location within the grade pod rather than off the main corridor where applicable.

## Instructional Pull-Out Space (IPS)

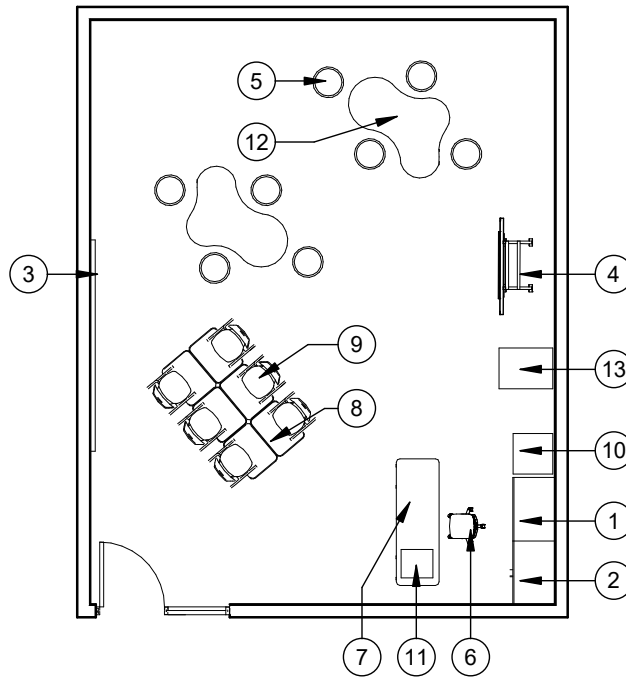
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
7	600	4,200	Classroom to be flexible for varied use by campus.

### SPATIAL RELATIONSHIP:

IPS rooms should be centrally located within or adjacent to classroom grade clusters. Depending on location within building, consider window to either outside or corridor.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Tall Shelving Unit	1	Lockable; 36" x 24" x 84"
2	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"
3	Markerboard	1	5' x 10'

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

Tag #	Furniture / Equipment	Quantity	Notes
4	Mobile Instructional Display Technology	1	
5	Stools	8	
6	Teacher Chair	1	
7	Teacher Desk	1	
8	Student Desk	6	
9	Student Chair	6	
10	Tote Tray Cabinet	1	
11	Office Tool Set	1	
12	Shape Table	2	
13	Student Devices Cart	1	

Notes:



## Specialized Classrooms A&B and Support Spaces

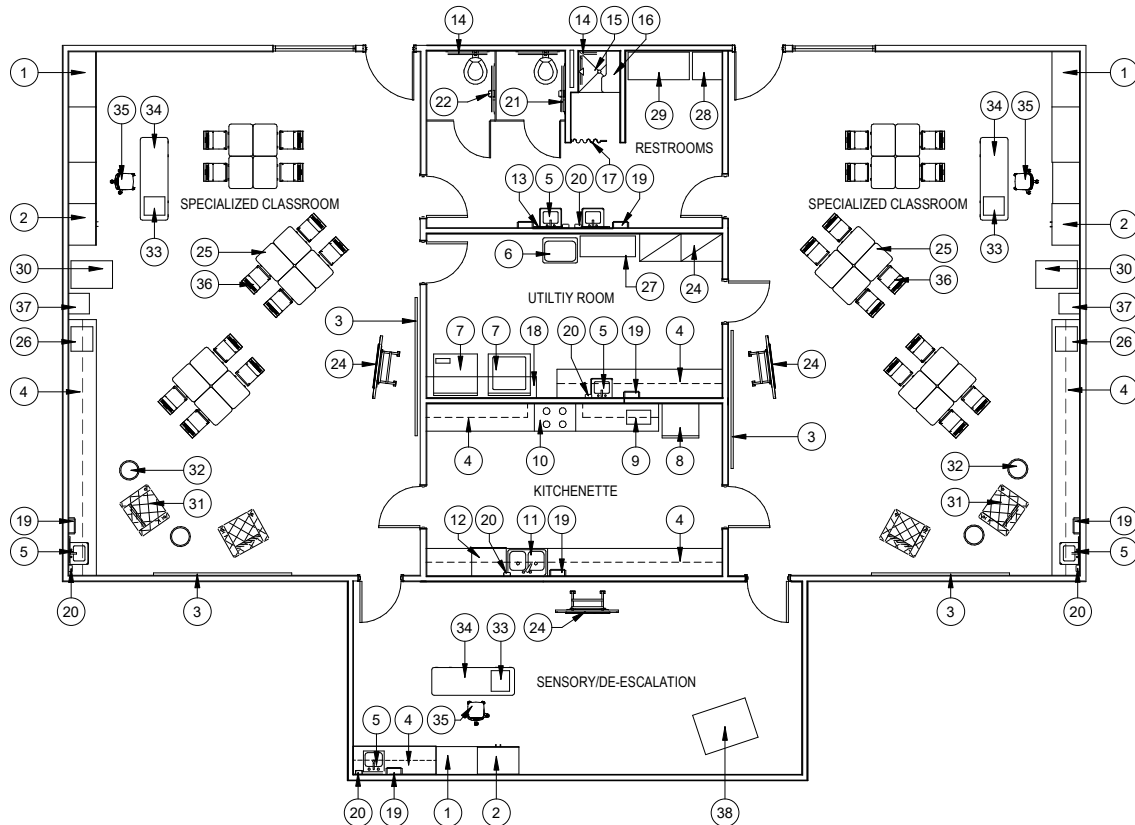
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
2 (Specialized Classroom A&B)	1,000	2,000	Electrical to be tied to emergency generator for life support equipment.
1 (Utility Room)	250	250	Provide power/water for washer & dryer within space.
1 (Kitchenette)	250	250	Provide power/water for appliances
1 ( Restroom)	290	290	
1 (Sensory De-Escalation)	450	450	Electrical to be tied to emergency generator for life support equipment.

### SPATIAL RELATIONSHIP:

Specialized Classrooms should be located within close proximity to each other and close to all other general classrooms.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Tall Shelving	7	36" x 24" x 84"; Lockable
2	Teacher Wardrobe	3	Lockable; 36" x 24" x 84"
3	Markerboard	4	5' x 10'
4	Upper and Lower Cabinets		Line one wall
5	Sink	6	
6	Deep Sink	1	

Specialized Classrooms A&B and Support Spaces			
7	Residential Washer and Dryer	1	1 each, Full size washer and dryer
8	Refrigerator	1	With ice maker
9	Microwave	1	
10	Stove with Vent Hood	1	
11	Double Compartment Sink	1	
12	Dishwasher	1	
13	Mirror	2	
14	Grab Bars	5	As required in handicap stalls and shower
15	Shower	1	Handicap Accessible
16	In-Shower Bench	1	Handicap Accessible
17	Shower Curtain	1	
18	Shelf	1	Above washer/dryer
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
19	Paper Towel Dispenser	7	
20	Soap Dispenser	7	
21	Feminine Napkin Disposal	2	1 per stall
22	Toilet Paper Dispenser	2	1 per stall
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
23	Plastic Shelving	2	
24	Mobile Instructional Display	3	
25	Student Desk	24	
26	Printer	2	
27	Folding Table	1	18" x 4'
28	HC Lift & Support	1	Portable
29	Changing Table	1	Provide Power
30	Nurse Cart	2	Classroom A only
31	Soft Seating	4	
32	Wobbly Stools	4	
33	Teacher Tool Set	3	
34	Teacher Desk	3	
35	Teacher Chair	3	
36	Student Chair	24	
37	Student Devices Cart	2	
38	Swing	1	
Notes:			

## Specialized Classroom C

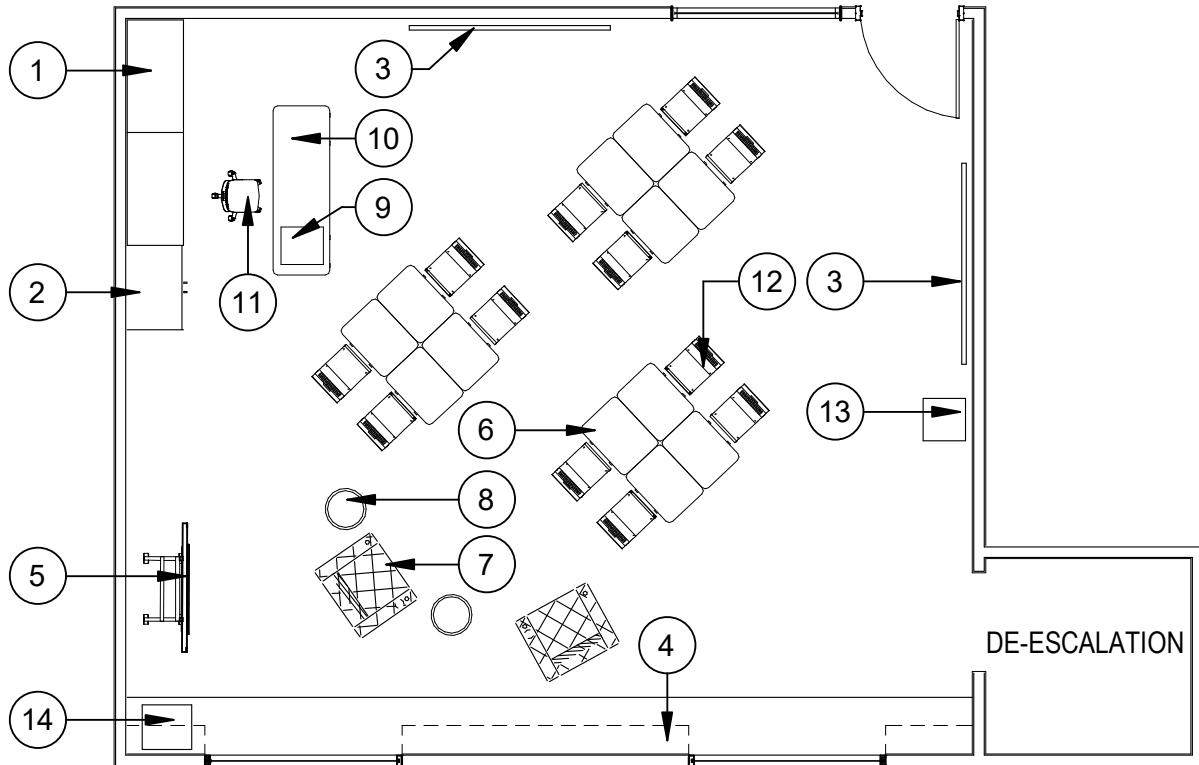
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Specialized Classroom C)	800	800	Electrical 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 and close to all other general classrooms.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Tall Shelving	2	Lockable; 36" x 24" x 84"
2	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"
3	Markerboard	2	5' x 10'
4	Upper and Lower Cabinets		Line one wall

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

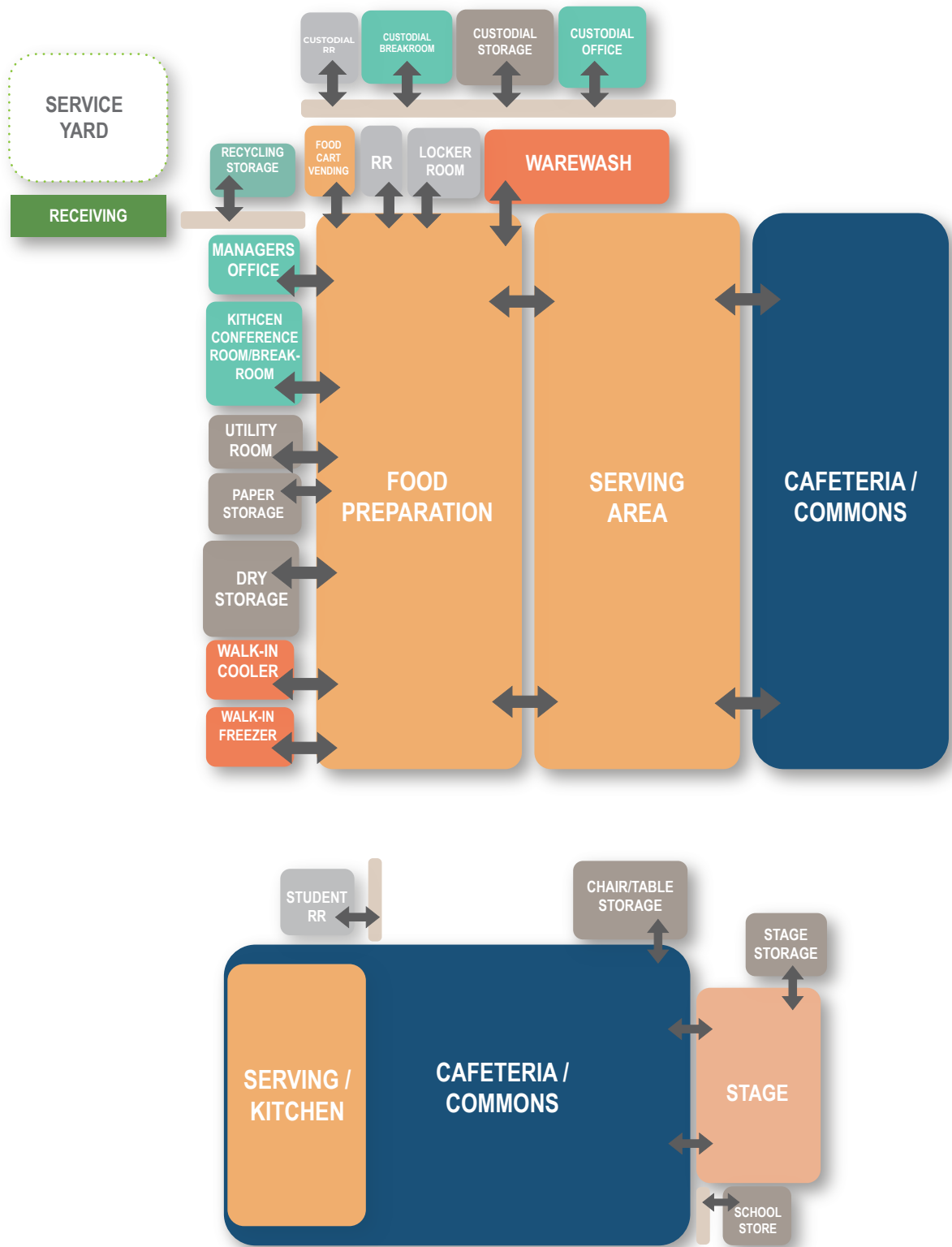
Tag #	Furniture / Equipment	Quantity	Notes
5	Mobile Instructional Display Technology	1	
6	Student Desk	12	
7	Soft Seating	2	
8	Wobbly Stools	2	
9	Teacher Tool Set	1	
10	Teacher Desk	1	

Specialized Classroom C			
11	Teacher Chair	1	
12	Student Chair	12	No casters
13	Student Devices Cart	1	
14	Printer	1	
Notes:			

# Cafeteria Kitchen Custodial

RELATIONSHIP DIAGRAM

CAFETERIA, KITCHEN, AND CUSTODIAL



## Cafeteria/Commons and Support Spaces

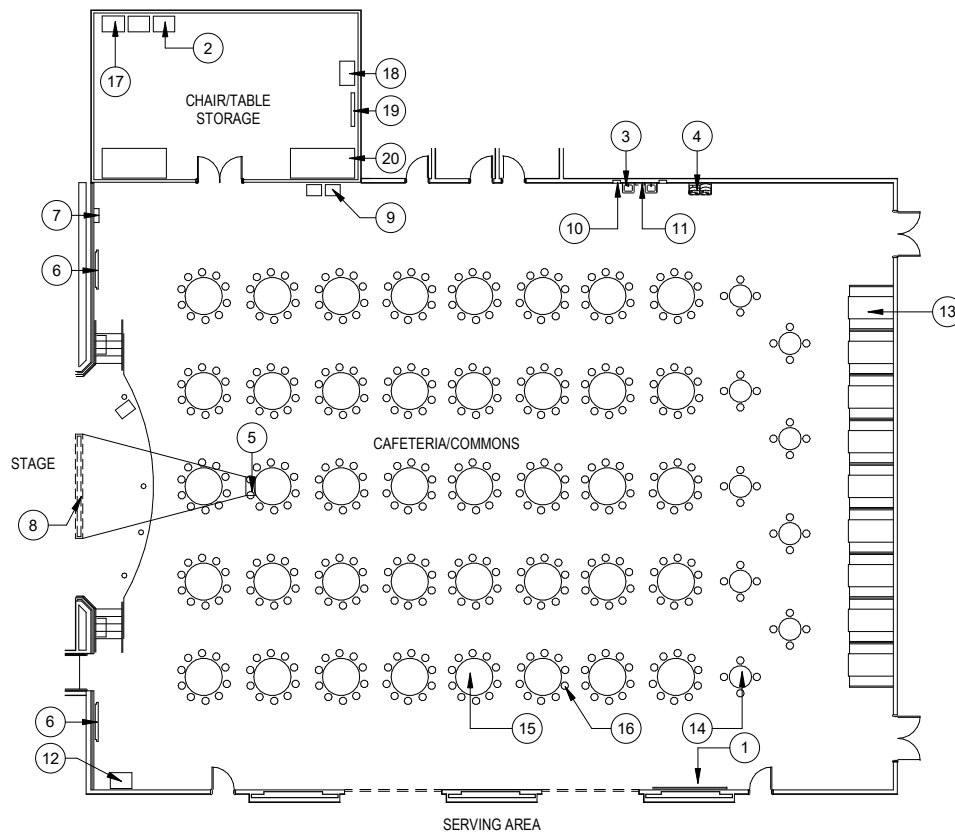
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Cafeteria/ Commons)	8,000	8,000	470 with tables & chairs; 1,000 with chairs only. Cafeteria used after hours, secure academic area with overhead gates.
1 (Chair/ Table Storage)	500	500	Locate chair/table storage directly accessible to cafeteria.

### SPATIAL RELATIONSHIP:

Cafeteria to be easily accessible from bus pick up area and main entry to school. Provide chair and table storage, and locate close to restrooms.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	1	5' x 10'
2	TDLR Assistive Listening Devices		Based on Capacity
3	Sink	2	Hand washing
4	Drinking Fountain	1	Bi-Level drinking fountains; provide bottle filler
5	Projection Device	1	Ceiling mounted; on retractable platform lift
6	Large Area Display Technology	2	
7	DMX Controls	1	Coordinate location with Technology
8	Motorized Projection Screen		
9	Charging Stations	2	

Cafeteria/Commons and Support Spaces			
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
10	Paper Towel Dispenser	2	Owner furnished, owner installed if not recessed
11	Soap Dispenser	2	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
12	Cafeteria/Gym Tool Set	1	On mobile cart
13	Booth Seating	9	
14	High Table and Stools	9 sets	Counter height
15	Cafeteria Table	40	
16	Cafeteria Chairs	400	
17	Chair Dollies	2	In chair/table storage
18	Student Standing Desk	5	
19	Plastic Folding Tables	20	In chair/table storage
20	Table Dolly	2	
Notes:			
<ol style="list-style-type: none"> <li>1. Cafeteria is rented to non-profit agencies after hours per FBISD policy.</li> <li>2. Utilize colors to enhance the dining experience.</li> <li>3. Utilize super graphics to create visual interest.</li> <li>4. Consult with acoustician during design to ensure quality of acoustical design in room.</li> <li>5. Blinds/window coverings should be provided in the commons for daytime performance.</li> </ol>			



## Stage and Storage

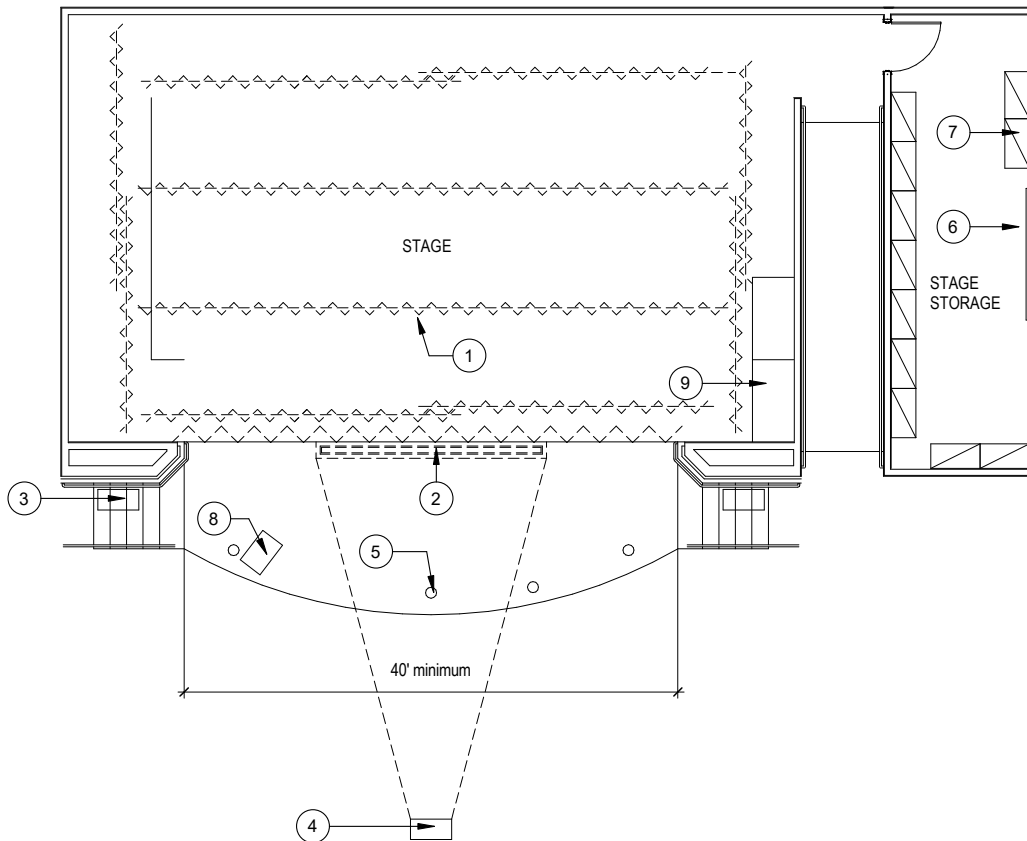
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Stage)	1,450	1,450	Wood steps
1 (Stage Storage)	250	250	

### SPATIAL RELATIONSHIP:

To be located at one end of dining space/commons. Stage storage to be located at one side of stage.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Stage Curtains	1	See notes; split
2	Projection Screen	1	
3	Speakers	2	Wall mounted
4	Large Area Display Technology	1	Ceiling mounted; on retractable platform lift
5	Microphone Inputs	4	Locate on stage and face of stage platform
6	Overhead Door	1	
7	Metal Shelving	11	36" x 24" x 84"

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

Tag #	Furniture / Equipment	Quantity	Notes
8	Podium	1	
9	Activity Tables	2	30" x 60"

**Stage and Storage****Notes:**

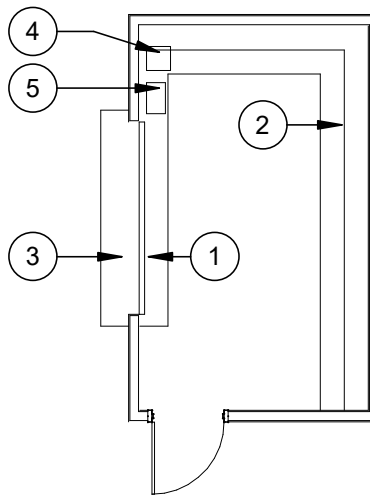
1. Curtain package to include front curtain, cyclorama and three (3) valances. Confirm requirements prior to design. Curtains in the wings should be 'legs' that run parallel on a track to main curtain. Side and back curtains to be black. Front curtain color to be determined.
2. Platform to be approximately 36" AFF
3. Consult with acoustician during design to ensure quality of acoustics in room.
4. Provide theatrical LED stage lighting and lighting control panel per Technical Design Guidelines.
5. All walls and floor to be black behind curtains.
6. Provide 4'-0" doors at stage storage.
7. Wood flooring on stage.

**School Store****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate close to cafeteria, accessible from main hallway.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Overhead Counter Door	1	
2	Upper and Lower Cabinets		Line Walls
3	Transaction Counter	1	14" deep

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

Tag #	Furniture / Equipment	Quantity	Notes
4	Office Tool Set	1	
5	POS	1	

Notes:

## Kitchen, Custodial, and Support Spaces

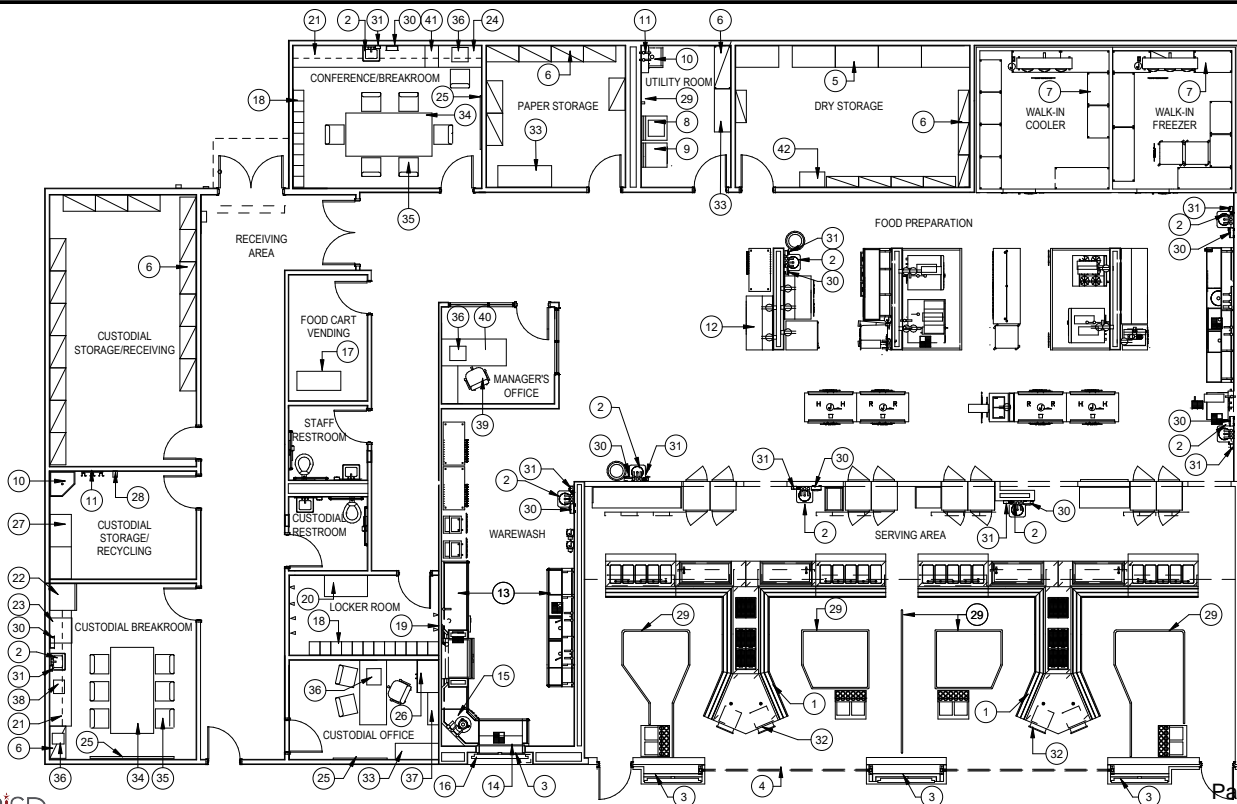
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Serving Area)	1,750	1,750	
1 (Food Preparation)	1,750	1,750	
1 (Dry Storage)	300	300	
1 (Manager's Office)	150	150	
1 (Walk-In Cooler)	200	200	
1 (Walk-In Freezer)	250	250	
1 (Locker Room)	100	100	
1 (Warewash)	360	360	Alcove in cafeteria into warewash for tray return and four trashcans.
1 (Utility Room)	100	100	
1 (Paper Storage)	180	180	
1 (Food Cart Vending)	100	100	
1 (Kitchen Conference/Breakroom)	200	200	
1 (Custodial Breakroom)	250	250	
1 (Custodial Office)	100	100	
1 (Custodial Storage/Receiving)	400	400	
1 (Recycling Storage Room)	150	150	

### SPATIAL RELATIONSHIP:

Serving Area to be located between kitchen and cafeteria. Area between serving lines and kitchen preparation area should be open. Dry Storage to be located behind Food Preparation, by Freezer/Cooler units. Manager's office to be located at rear of kitchen with view of receiving door. Warehouse to be located in kitchen area adjacent to cafeteria. Walk-in Cooler, Freezer, and Paper Storage to be located in Kitchen area. Food Preparation to be located in kitchen behind serving lines. Utility room to be located in rear of kitchen area, near exit. Locate food cart vending in dining area adjacent to serving lines. Locker room to be located close to restroom. Conference/Breakroom to be located adjacent to Kitchen area. Custodial office to be located in proximity to Cafeteria with adjoining custodial breakroom and storage nearby. Locate recycling storage room near service yard.

### SPACE LAYOUT



Kitchen, Custodial, and Support Spaces			
FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Serving Lines	4	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. Tray rail to be 26" wide
2	Sink	9	Hand washing at Food Preparation and Warewash; excludes restrooms
3	Kitchen Menu System Device	4	Locate above food service equipment. Confirm locations with FBISD Child Nutrition Department.
4	Overhead Grilles	2	
5	Dunnage Racks		Line wall
6	Metal Shelving		Line walls, 36" x 36" x 84"; gang together and affix to walls
7	Freezer and Cooler Units	1 Each	By consultant
8	Commercial Washer	1	
9	Commercial Dryer	1	
10	Mop Sink	2	With drain
11	Mop Rack	2	
12	Food Service Equipment		By consultant
13	Warewash Equipment		By consultant
14	Overhead Counter Door	1	
15	Floor Sink	1	With disposer
16	Silverware Drop	1	
17	Mobile Food Cart	1	By consultant
18	Lockers	18	Double Tier; 15"D x 12"W x 5'H
19	Hooks	6	48" AFF
20	ADA Bench	1	
21	Upper and Lower Cabinets		Line wall
22	Refrigerator	1	
23	Ice Machine	1	Under Counter
24	Knee Space	1	
25	Markerboard	3	5' x 4'
26	Teacher Wardrobe	1	Lockable, 36" x 24" x 84"
27	Tall Plastic Shelving	2	Adjustable shelves; 18"D x 36"W x 72"H; affix to walls
28	Chemical Dispenser	2	
29	Rails		Coordinate with food service consultant
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
30	Paper Towel Dispenser	9	excludes restrooms
31	Soap Dispenser	9	excludes restrooms
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
32	POS Registers	4	POS, Cashier, etc.
33	Table	3	
34	Small Dining Table	2	
35	Chair	15	
36	Office Tool Set	4	
37	Bookcase	1	Moveable, 36" x 24" x 84"

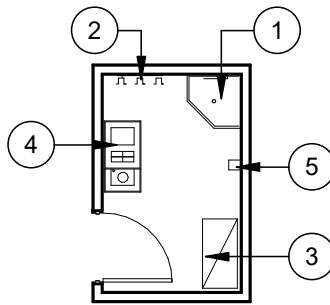
Kitchen, Custodial, and Support Spaces			
38	Microwave	1	
39	Task Chair	2	
40	Desk	2	with return at Manager's office only
41	Vertical File Cabinet	1	Under counter
42	Safe	1	
<b>Notes:</b>			
<p>1. Provide cameras in point of sale (POS) locations, serving lines, and in production/preparation area.</p> <p>2. Provide robust Wi-Fi access in Serving and Food preparation areas.</p> <p>3. 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>4. Provide an alcove for tray return in the cafeteria outside the dish return to accommodate four (4) trashcans.</p> <p>5. Provide window in Manager's Office for supervision.</p> <p>6. Provide vertical file cabinet for custodial.</p> <p>7. All compartments of walk-in cooler/freezer to be connected to the emergency generator.</p>			

**Custodial Closets****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	Mop Sink with drain	1	
2	Mop Rack	1	

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

Tag #	Furniture / Equipment	Quantity	Notes
3	Plastic Shelving	1	Adjustable shelves. 36" x 24" x 84"
4	Custodial Cart	1	
5	Chemical Cleaning Dispenser	1	

**Notes:**

## Receiving and Service Yard

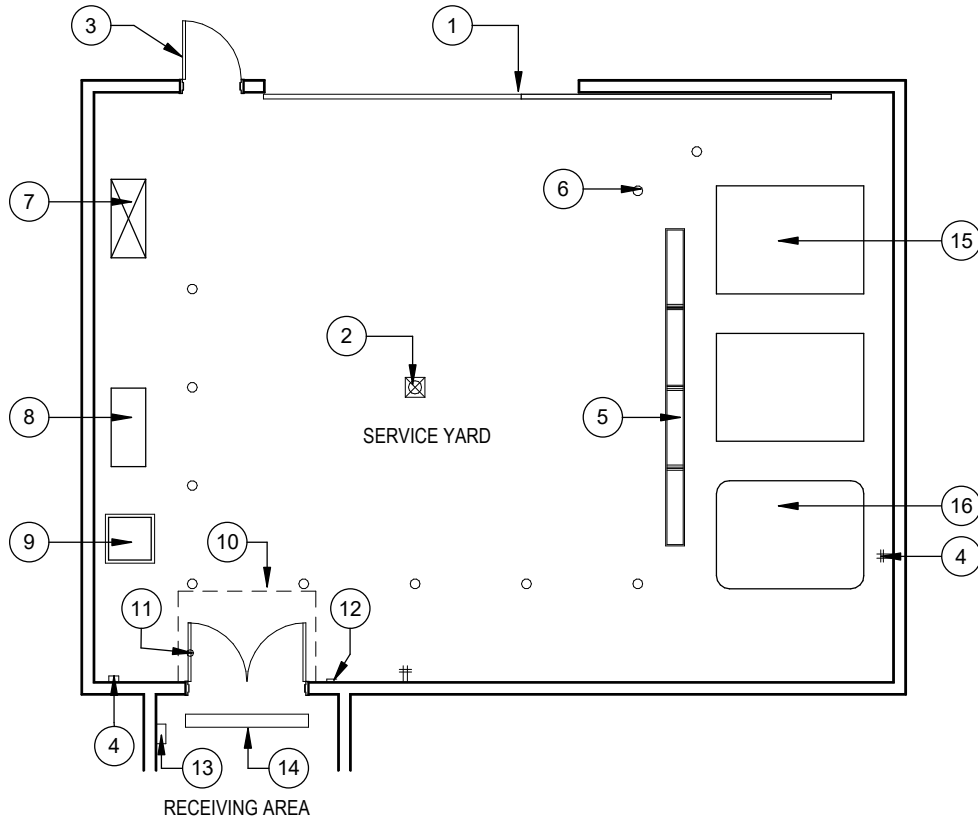
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Service Yard)	0	0	
1 (Receiving Area)	100	100	Peephole and doorbell required at delivery door.

### SPATIAL RELATIONSHIP:

Locate service yard adjacent to receiving. Receiving to be located within 6' of the delivery truck bed in service yard.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Rolling Gate	1	
2	Drain	1	
3	Gate	1	
4	Hose Bibb	2	
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
10	Canopy	1	
11	Peephole	1	
12	Doorbell	1	
13	Time Clock	1	

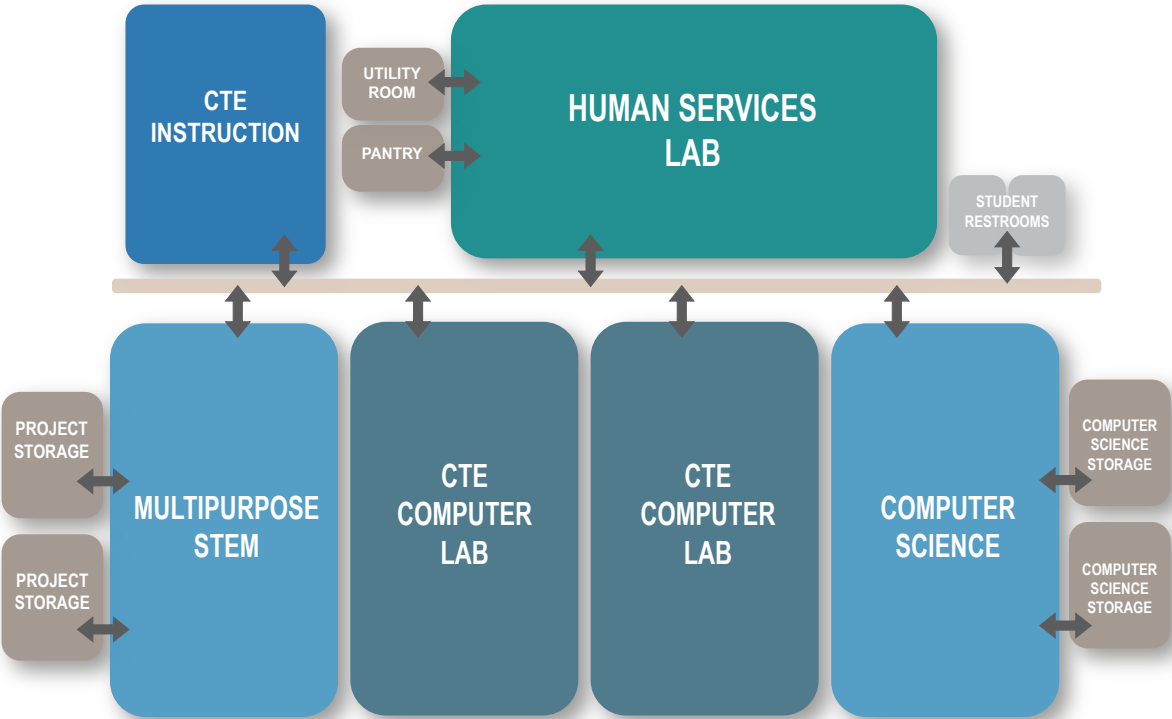


Receiving and Service Yard			
14	Air Curtain	1	By consultant
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
15	Dumpsters	2	
16	Recycling	1	
Notes:			
1. Provide canopy over receiving exterior door.			

# Career and Technology Education

RELATIONSHIP DIAGRAM

CTE

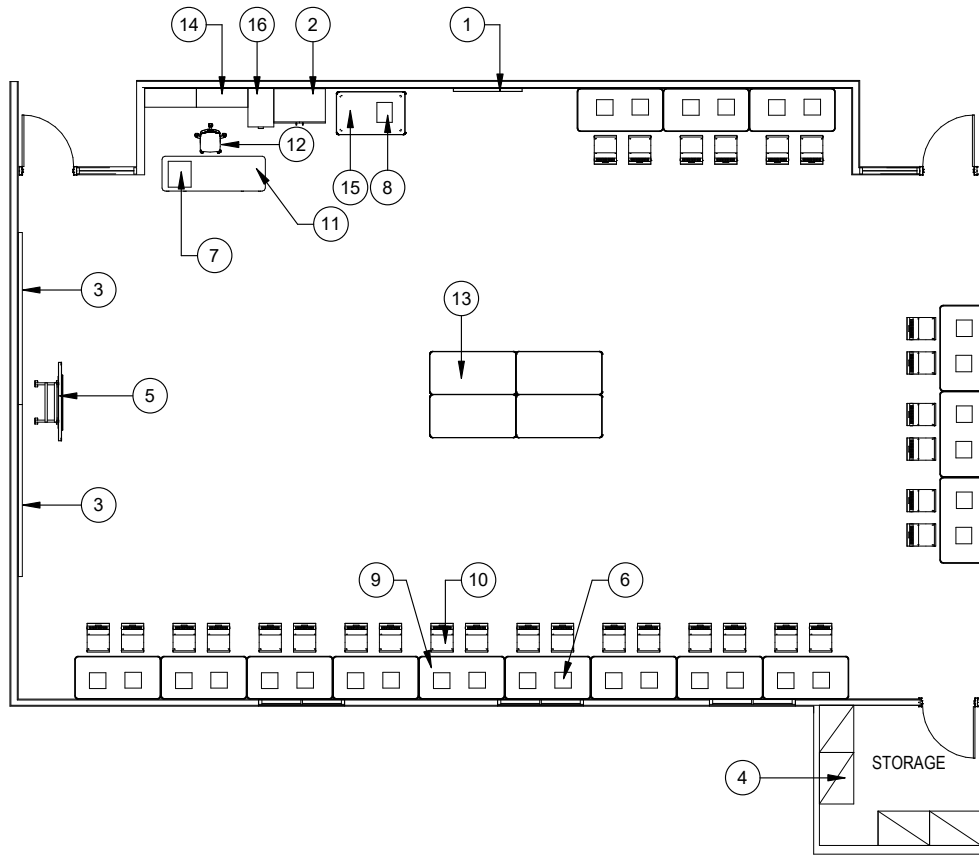


**CTE Computer Lab****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
2 (CTE Computer Lab)	1,600	3,200	
1 (CTE Computer Lab Storage)	75	75	

**SPATIAL RELATIONSHIP:**

Locate within CTE area near MP STEM Lab and Architecture and Construction Lab can be on second floor

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	1	5' x 4'
2	Teacher Wardrobe	1	Lockable; 36"x24"x84"
3	Markerboard	2	5' x 10'
4	Metal Shelving		Line Walls; 24" deep; gang together and affix to walls

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

Tag #	Furniture / Equipment	Quantity	Notes
5	Mobile Instructional Display Technology	1	
6	Student Devices	30	Desktops
7	Teacher Tool Set	1	
8	Printer/Scanner	1	

**CTE Computer Lab**

9	Computer Tables	15	6' x 2' x 30"
10	Student Chair	30	No casters
11	Teacher Desk	1	
12	Teacher Chair	1	
13	Flip Table	4	
14	Bookcase	2	Moveable
15	Activity Table	1	For Printer
16	Vertical File Cabinet	1	

**Notes:**

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## Computer Science and Storage

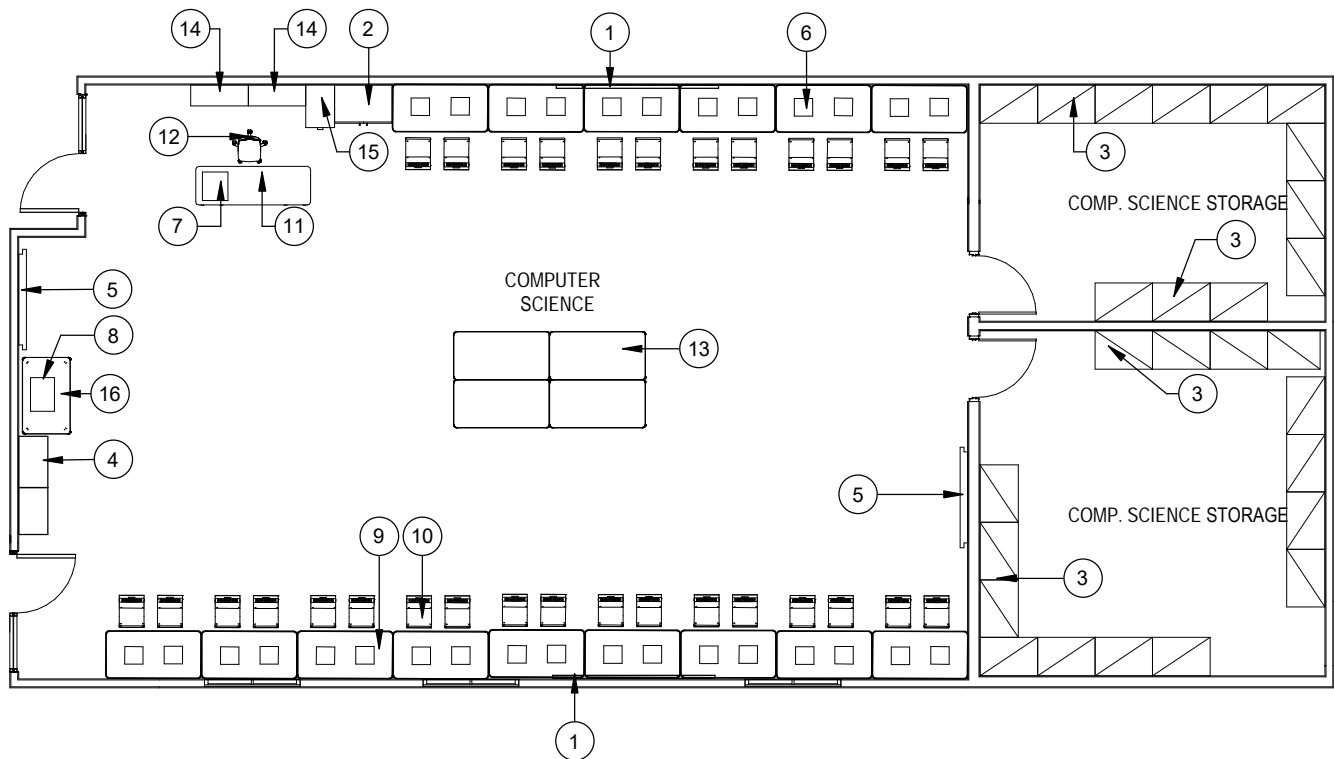
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Computer Science)	1,600	1,600	
2 (Computer Science Storage)	250	500	

### SPATIAL RELATIONSHIP:

Locate within CTE area near Computer Labs.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	2	5' x 10'
2	Teacher Wardrobe	1	Lockable; 36"x24"x84"
3	Metal Shelving		Line Walls. 36" x 24" x 84"; Gang together and affix to walls
4	Closed Cabinets	2	Lockable; 36"x24"x84"

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

Tag #	Furniture / Equipment	Quantity	Notes
5	Fixed Instructional Display Technology	2	Mount is Owner Furnished, Contractor Installed, Duplicate Display Capabilities
6	Student Devices	30	
7	Teacher Tool Set	1	
8	Printer/Scanner	1	

Computer Science and Storage			
9	Computer Tables	15	6' x 2' x 30"
10	Student Chair	30	
11	Teacher Desk	1	
12	Teacher Chair	1	
13	Flip Table	4	
14	Bookcase	2	Moveable
15	4 Drawer Vertical Filing Cabinet	1	
16	Activity Table	1	
Notes:			

## Multipurpose STEM and Storage

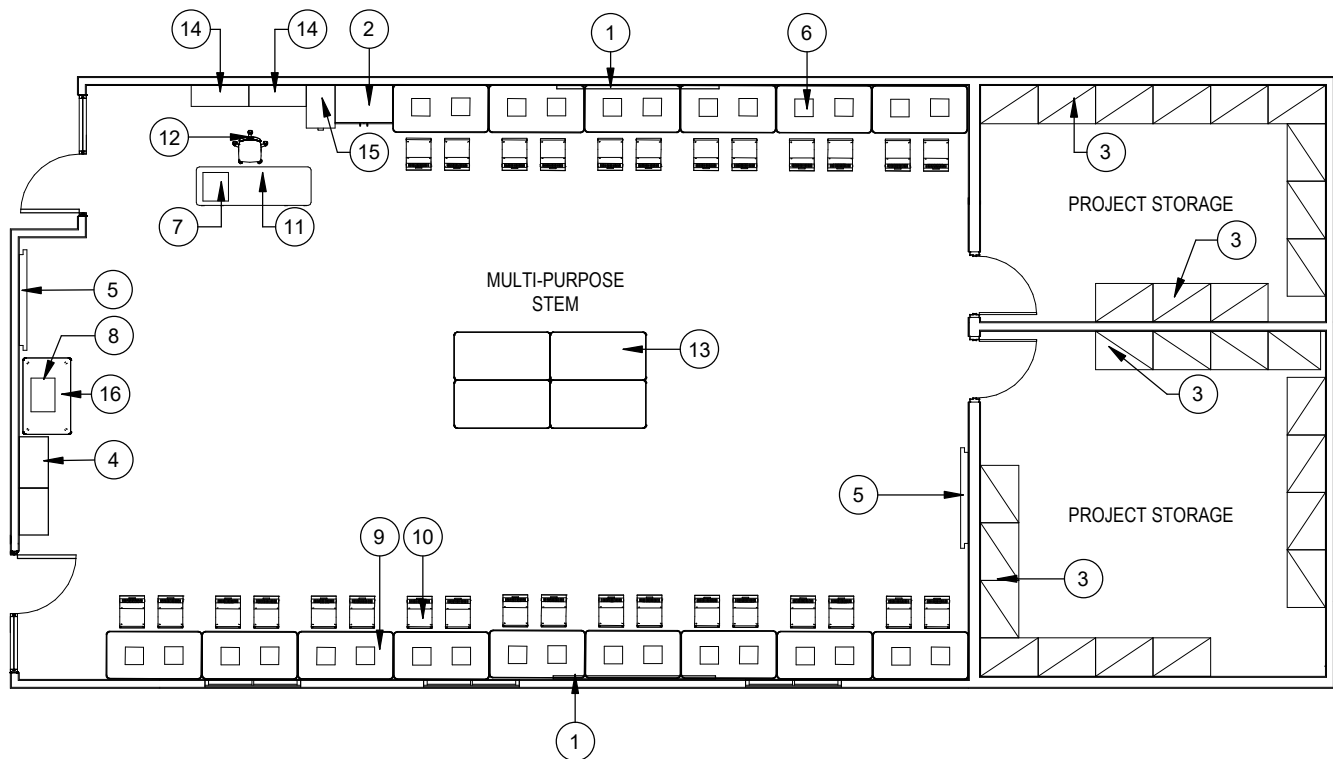
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Multipurpose STEM)	1600	1600	
2 (Project Storage)	250	500	

### SPATIAL RELATIONSHIP:

Locate within CTE area near Computer Science and CTE Classroom.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	2	5' x 10'
2	Teacher Wardrobe	1	Lockable; 36"x24"x84"
3	Metal Shelving		Line Walls. 36" x 24" x 84"; Gang together and affix to walls
4	Closed Cabinets	2	Lockable; 36"x24"x84"

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

Tag #	Furniture / Equipment	Quantity	Notes
5	Fixed Instructional Display Technology	2	Mount is Owner Furnished, Contractor Installed
6	Student Devices	30	Desktops
7	Teacher Tool Set	1	
8	Printer/Scanner	1	
9	Computer Tables	15	6' x 2' x 30"



Multipurpose STEM and Storage			
10	Student Chair	30	
11	Teacher Desk	1	
12	Teacher Chair	1	
13	Flip Table	4	
14	Bookcase	2	Moveable
15	4 Drawer Vertical Filing Cabinet	1	
16	Activity Table	1	
Notes:			

## Human Services Lab

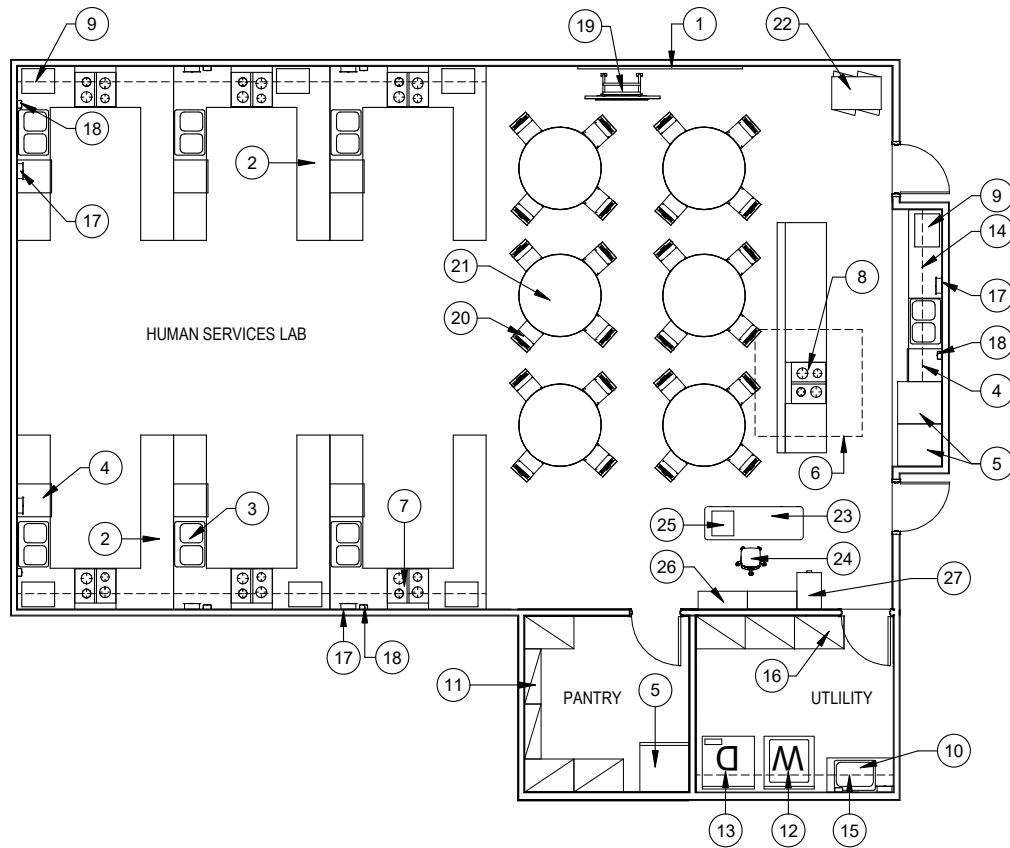
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Human Services Lab)	1,800	1,800	
1 (Utility Room)	150	150	
1 (Pantry)	100	100	

## SPATIAL RELATIONSHIP:

Locate within CTE area adjacent to utility room and pantry.

## RELATIONSHIP DIAGRAM



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	1	5' x 6'
2	Lower Cabinets		Student workstations
3	Double Compartment Sink	7	Garbage disposal
4	Dishwasher	7	
5	Refrigerator	3	
6	Mirror	1	Above teacher workstation
7	Stove	6	With vent hood
8	Stove	1	With downdraft vent
9	Microwave	7	
10	Deep Sink	1	

## Human Services Lab

11	Metal Shelving		36" x 24" x 12"; Gang together and affix to walls
12	Residential Washer	1	
13	Residential Dryer	1	
14	Upper and Lower Cabinets		
15	Shelf		12" x 6
16	Metal Shelving		36" x 24" x 84" and 12" Gang together and affix to walls

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

Tag #	Furniture / Equipment	Quantity	Notes
17	Paper Towel Dispenser	8	
18	Soap Dispenser	8	

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

Tag #	Furniture / Equipment	Quantity	Notes
19	Mobile Instructional Display Technology	1	
20	Chair	28	
21	Prep Table	6	
22	Student Devices Cart	1	
23	Teacher Desk	1	
24	Teacher Chair	1	
25	Teacher Tool Set	1	
26	Bookcase	2	Moveable
27	4 Drawer Vertical Filing Cabinet	1	

## Notes:

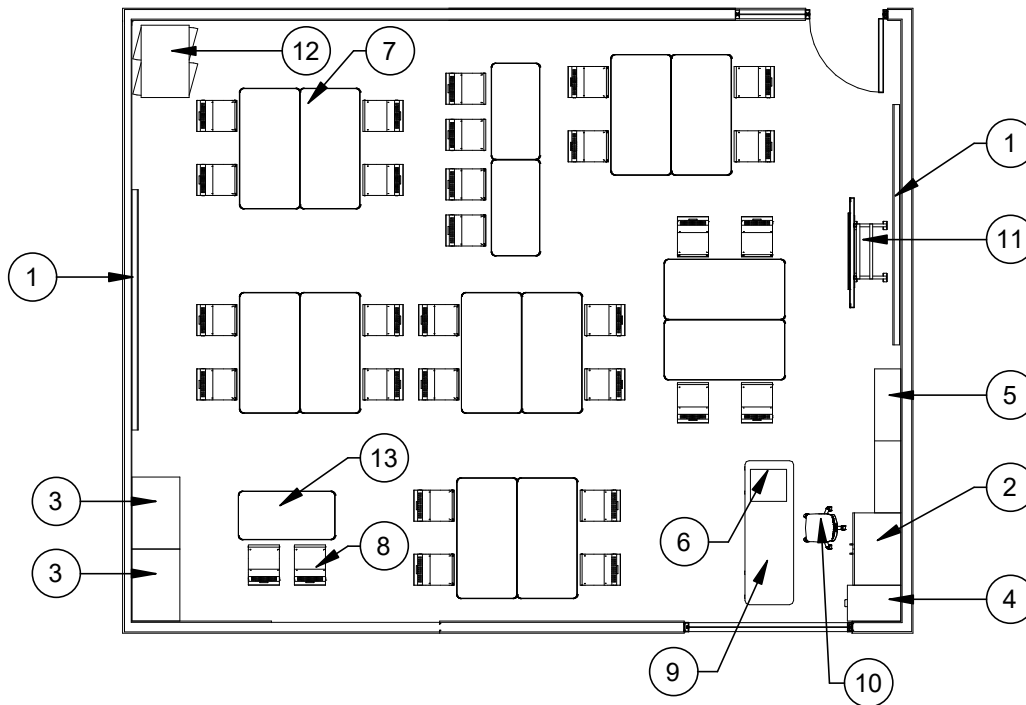
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**CTE Instruction****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	800	800	

**SPATIAL RELATIONSHIP:**

Locate within CTE area near other special lab and next to Human Services Lab.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	2	5' x 10'
2	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"
3	Tall Storage	2	Lockable; 36" x 24" x 84"

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

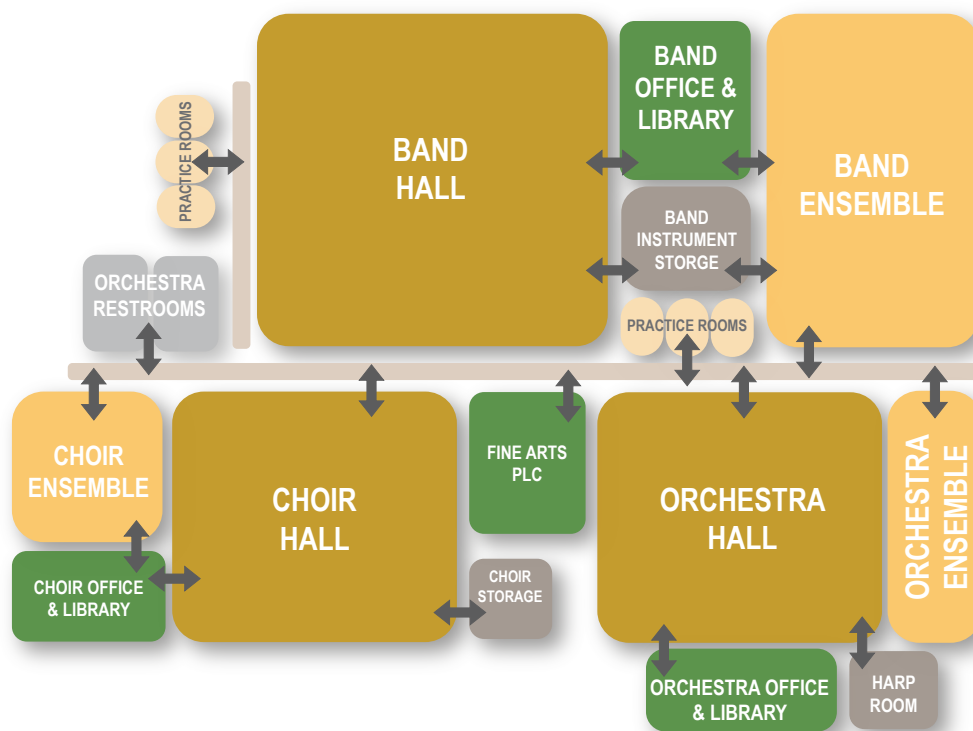
Tag #	Furniture / Equipment	Quantity	Notes
4	4 Drawer Vertical Filing Cabinet	1	
5	Bookcase	2	
6	Teacher Tool Set	1	
7	Student Table	12	60" x 30"
8	Chairs	30	
9	Teacher Desk	1	
10	Teacher Chair	1	
11	Mobile Instructional Display	1	
12	Student Devices Cart	1	
13	Student Table	3	48" x 24"

**Notes:**

# Fine Arts

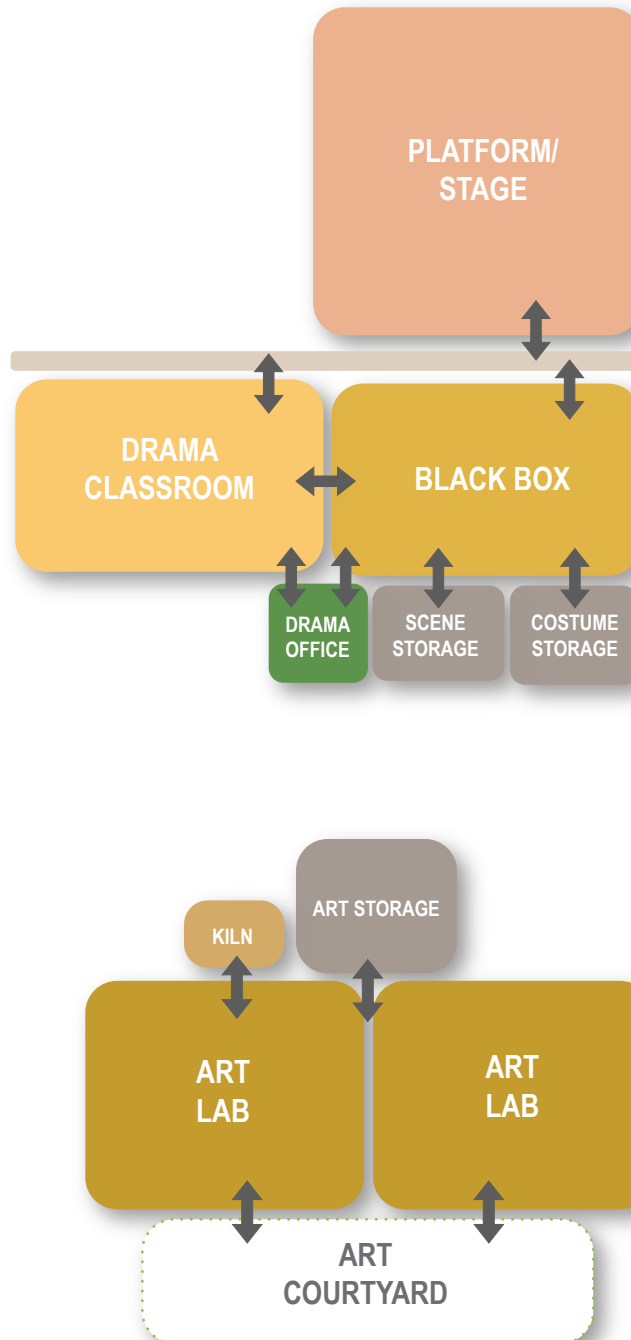
# RELATIONSHIP DIAGRAM

## FINE ARTS - BAND, CHOIR, AND ORCHESTRA



## RELATIONSHIP DIAGRAM

### FINE ARTS- ARTS AND DRAMA

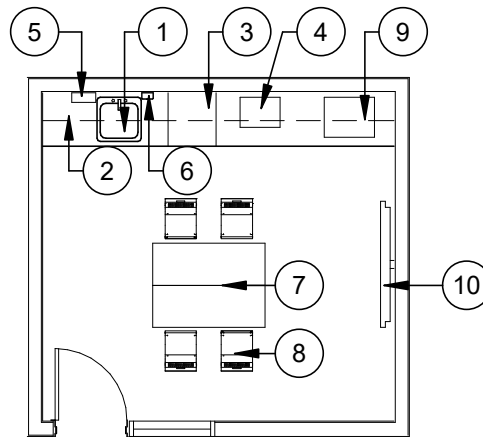


**Fine Arts PLC****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate centrally to other Fine Arts such as Band, Choir and Orchestra.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Sink	1	
2	Upper and Lower Cabinets		Line 2 walls
3	Refrigerator	1	undercounter
4	Microwave	1	

**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	Tables	2	
8	Chair	4	
9	Printer	1	
10	Fixed Display	1	Mount is Owner Furnished, Contractor Installed

**Notes:**



## Shared Practice Rooms

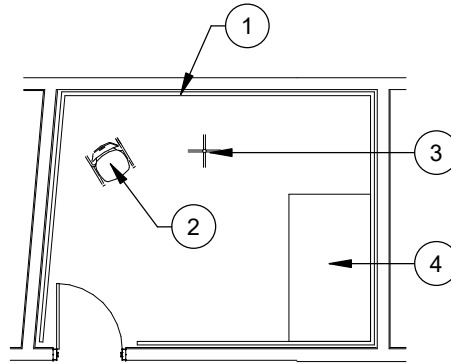
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
6	60/100	480	3 at 60 SF, 3 at 100sf

## SPATIAL RELATIONSHIP:

Locate within Band, Choir, & Orchestra Areas.

## SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Acoustical Panels		Line walls; consult with acoustician

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

Tag #	Furniture / Equipment	Quantity	Notes
2	Chair	1	
3	Music Stand	1	
4	Piano		1/2 practice rooms to receive upright piano

## Notes:

1. Acoustical consultant must be included in design team for design of all music and performance spaces.
2. Three practice rooms designated for pianos.
3. Practice rooms to be locked from the outside but not from the inside.

## Art Lab and Support Spaces

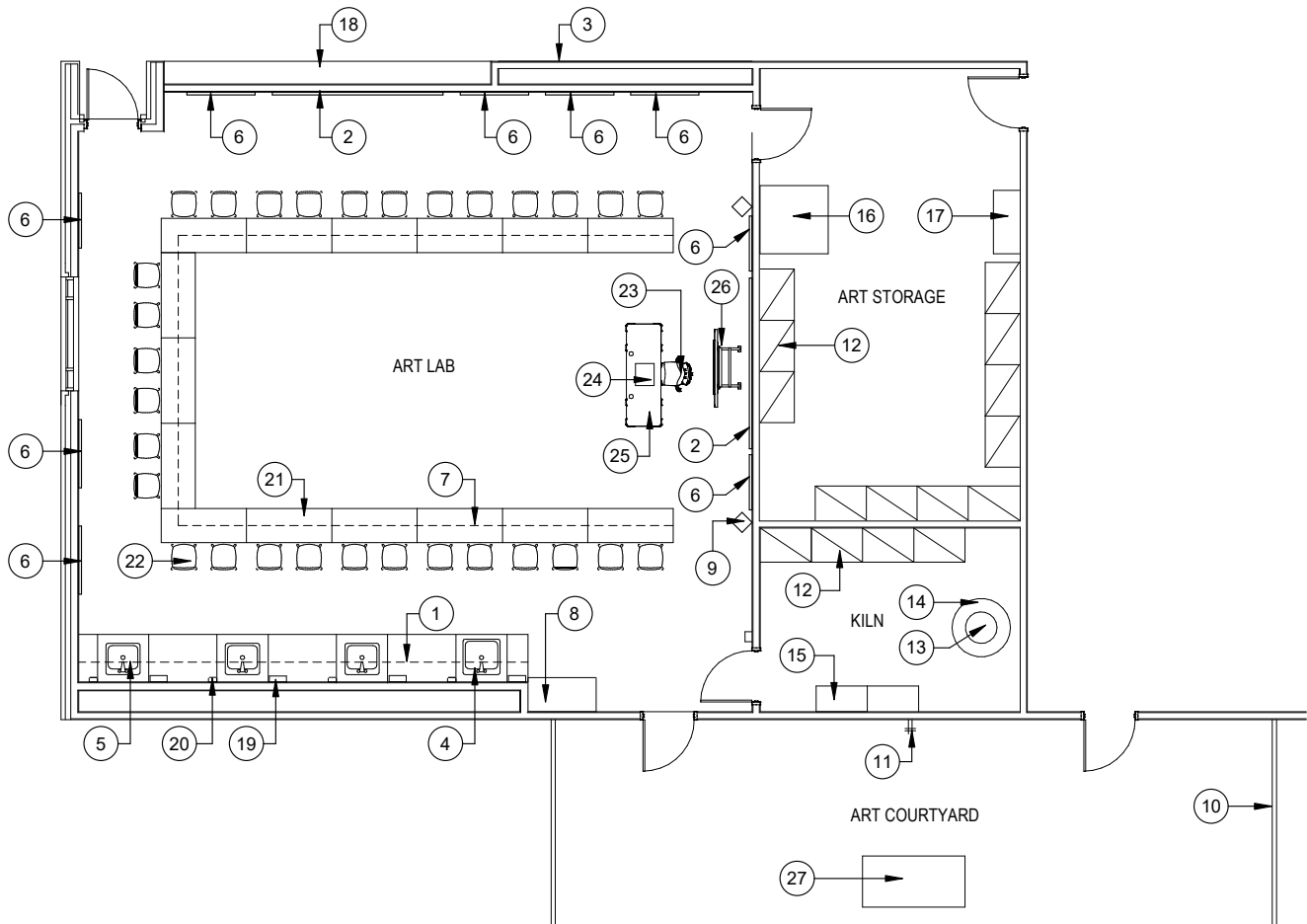
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
2 (Art Lab)	1,200	2,400	
1 (Art Courtyard)			
1 (Kiln)	150	150	
1 (Art Storage)	400	400	

### SPATIAL RELATIONSHIP:

Locate Art Lab close to grade level areas, along north facing exterior wall, with direct access to outdoor Art Courtyard. Art Courtyard preferable with north facing exterior wall. Locate art storage between art labs. Kiln to be accessible from one art lab.

### SPACE LAYOUT



## Art Lab and Support Spaces

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Upper and Lower Cabinets		Line one wall
2	Markerboard	2	5' x 10'
3	Tackable Surface		Line Wall
4	Deep Sink	3	Plaster traps / Solid Interceptors
5	Handicap Accessible Sink	1	Plaster traps / Solid Interceptors
6	Clip Display	9	For poster boards
7	Track Lights	1	
8	Teacher Wardrobe	1	Lockable, 36" x 24" x 84"
9	Speakers	2	
10	Ornamental Fence		
11	Hose Bib	1	
12	Metal Shelving		36" x 24" x 84" Line Wall
13	Kiln	1	480v
14	Kiln Exhaust	1	
15	Drying Rack	2	For ceramic products
16	Poster Board Storage Cabinet	1	Open shelving for drying large paper product/paintings. 42" x 48" x 48"
17	Flammable Cabinet	1	
18	Display cases		Line Wall

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

Tag #	Furniture / Equipment	Quantity	Notes
19	Paper Towel Dispenser	4	
20	Soap Dispenser	4	

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

Tag #	Furniture / Equipment	Quantity	Notes
21	Student Tables	15	
22	Student Stools	30	With backs
23	Teacher Chair	1	
24	Teacher Tool Set	1	
25	Teacher Desk	1	
26	Mobile Instructional Display Technology	1	
27	Raku Pit	1	

#### Notes:

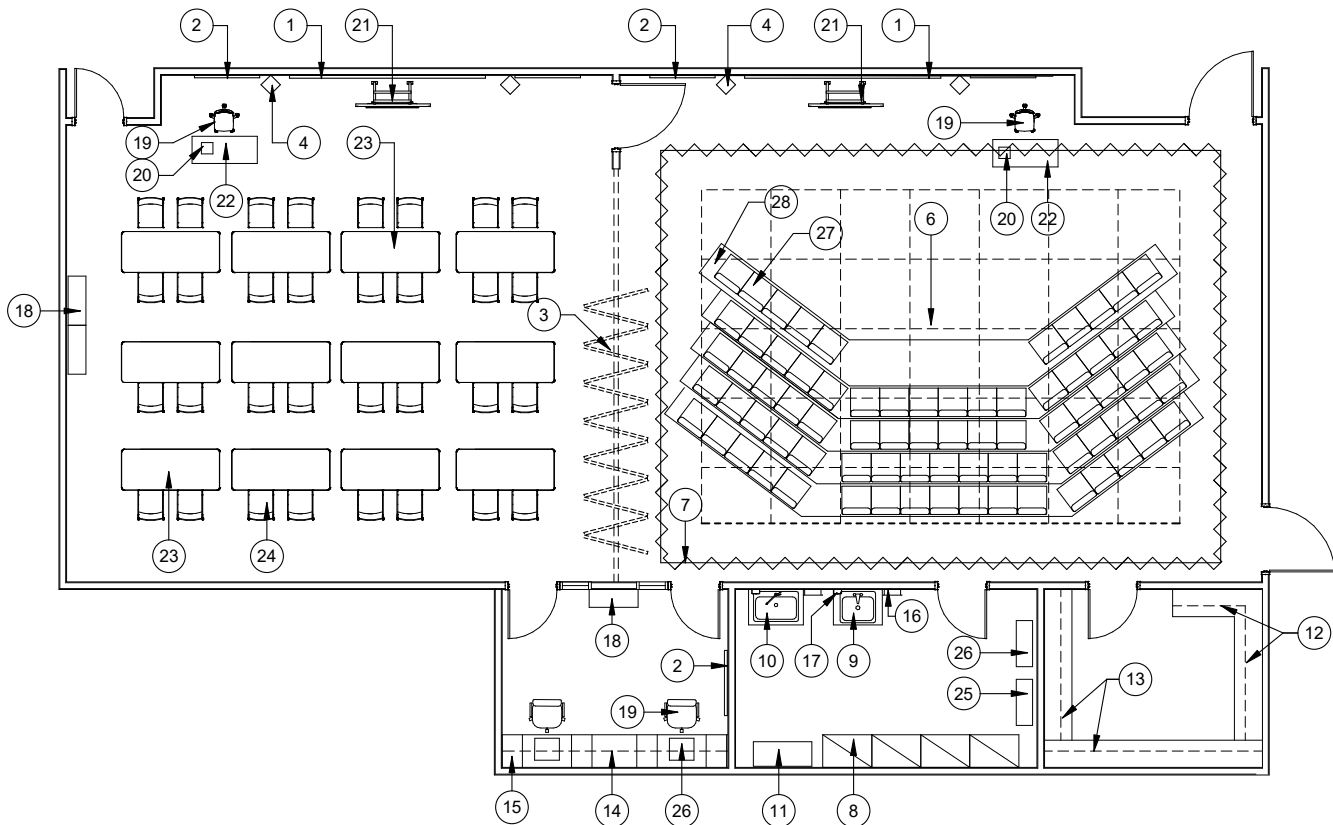
1. Provide windows in Art Lab to exterior, preferably north facing.
2. Locate disconnect for kiln to be accessible away from kiln. Shut-off to be located on classroom side.
3. Kiln room to be fire rated, confirm with Fire Marshall.

**Drama Classroom and Black Box****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Drama Classroom)	1,000	1,000	
1 (Black Box)	1,200	1,200	
1 (Scene Storage)	200	200	
1 (Costume Storage)	150	150	
1 (Drama Office)	150	150	

**SPATIAL RELATIONSHIP:**

Locate in Fine Arts, in close proximity to stage with overhead door access. Folding partition between Black Box and Drama Classroom. Locate Scene Storage and Drama Costume Storage adjacent to Drama classrooms.

**SPACE LAYOUT**

**Drama Classroom and Black Box****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard	2	5' x 10'
2	Markerboard	5	5' x 4'
3	Folding Markerboard Wall	2	Hard foldable black on Black Box side, markerboard on classroom side
4	Speakers	4	
5	Not Used		
6	Lighting Grid and LED Lights	1	Per consultant recommendation
7	Black Curtains	1	Divide into 3 at long sides; 2 at short sides
8	Metal Shelving		24" deep
9	Sink	1	Handicap accessible
10	Sink	1	Deep with gooseneck faucet
11	Flammable Cabinet	1	
12	Shelf with clothes rod		Mount at 3'-6" & 7'-6". 18" deep
13	Shelf with clothes rod		Mount at 7'-6". 18" deep
14	Upper and Lower Cabinets		Knee spaces
15	Vertical File Cabinet Drawers	4	

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

Tag #	Furniture / Equipment	Quantity	Notes
16	Paper Towel Dispenser	2	
17	Soap Dispenser	2	

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

Tag #	Furniture / Equipment	Quantity	Notes
18	Bookcase	3	Mobile
19	Task Chair	4	
20	Teacher Office Tool Set	2	
21	Mobile Instructional Display Technology	2	
22	Teacher's Desk	2	
23	Plastic Folding Tables	12	36x72
24	Student Stack Chairs	32	No Caster
25	Table Dolly	1	
26	Chair Dolly	1	
27	Plastic Folding Chair	76	
28	Risers		As per Design with Vendor

**Notes:**

1. DMX capability in Black Box as well as sound and video capability (VGA and HDMI)
2. Maximize height in space in Drama Custom Storage to allow for additional shelving above those shown. Matching Black Box roof height allows for additional storage above 9'-0" for items.
3. Dedicated HVAC unit in Drama Costume Storage.
4. Provide 4'-0" wide doors from Black Box to Drama Classroom, Black Box, and Scene Storage to black box.
5. Provide 4'-0" wide door from Black Box to exterior for loading.
6. Provide toggle switch that overwrites the occupancy sensor in Black Box and Drama Classroom.
7. Black Box and Drama Classroom to be painted black.
8. Acoustical consultant must be included in design team for design of all music and performance spaces.
9. Verify sight lines for operable partition.
10. Provide 4' wide door from black box to exterior for loading.

## Band Hall and Support Spaces

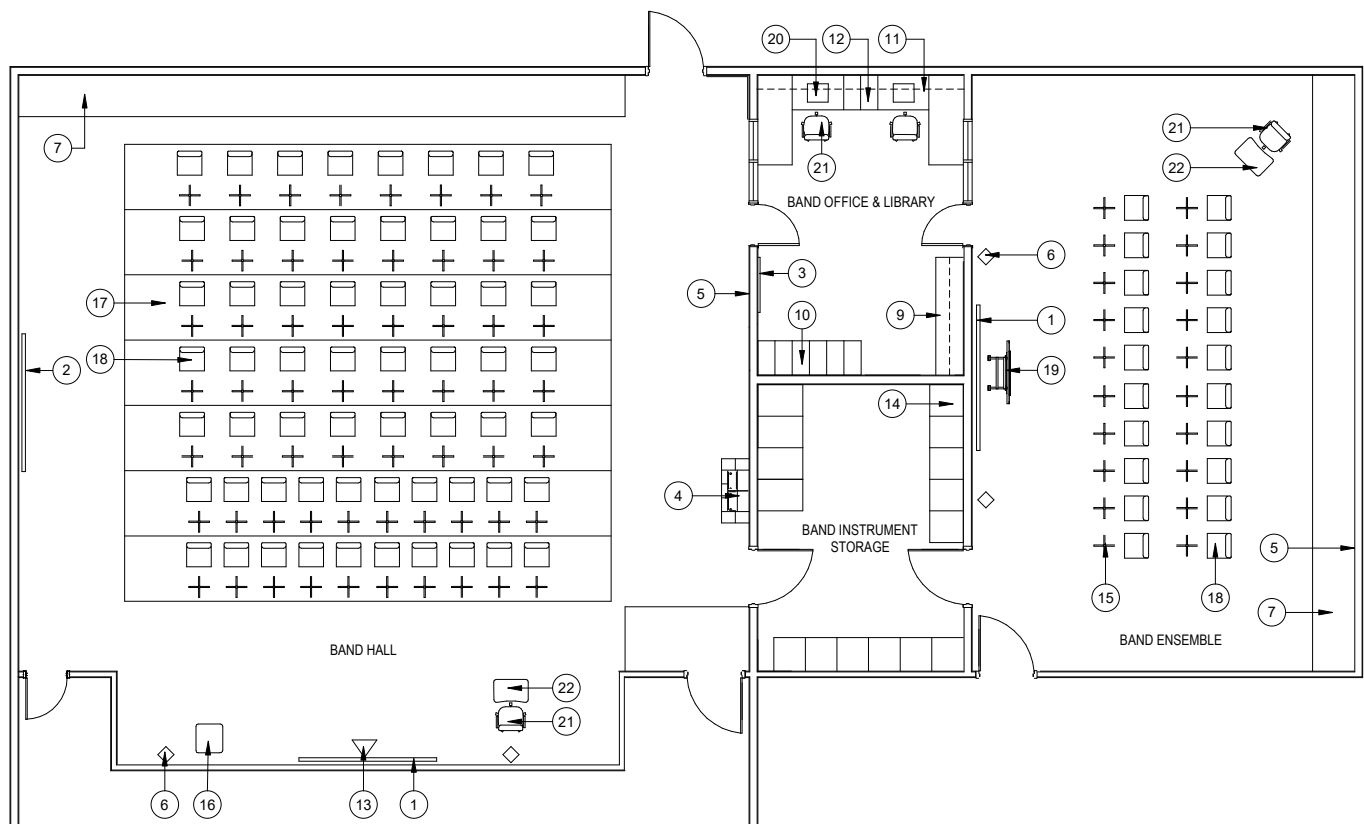
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Band Hall)	2,400	2,400	
1 (Band Office & Library)	280	280	
1 (Band Ensemble)	1,200	1,200	
1 (Band Instrument Storage)	300	300	

### SPATIAL RELATIONSHIP:

Locate Band Hall in Fine Arts wing, accessible to exterior. Locate Band Library, Band Office, and Band Instrument Storage adjacent to Band Hall. Locate Band Ensemble Room within Band Area.

### SPACE LAYOUT



**Band Hall and Support Spaces****FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard, magnetic	2	Below projector. 5' x 10'
2	Markerboard, magnetic	1	Music staff. 5' x 10'
3	Markerboard	1	5' x 4'
4	Drinking Fountain	1	Bi-Level; with Bottle Filler; confirm with req. counts
5	Acoustical Panels		Line walls; consult with acoustician
6	Speaker	4	
7	Wenger Instrument Storage Lockers		Instrument counts to be provided by Fine Arts Department
8	Not Used		
9	Upper and Lower Cabinets		Line one wall
10	Wenger Library Units		Line one wall
11	Upper and Lower Cabinets		With kneespaces
12	Vertical File Cabinet Drawers	2	Under counter
13	Instructional Display Technology	1	
14	Wenger Instrument Storage		Line walls

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

Tag #	Furniture / Equipment	Quantity	Notes
15	Music Stands	80	
16	Student Device Cart	1	
17	Risers		
18	Nota Chairs	80	
19	Mobile Instructional Display	1	
20	Teacher Office Tool Set	2	
21	Task Chair	4	
22	Podium	2	

**Notes:**

1. Acoustical consultant must be included in design team for design of all music and performance spaces.
2. Provide 4' wide doors, in and out of Band Hall, Band Ensemble, and Band Instrument Storage.
3. Provide windows from Band Office to the Band Hall for visibility.
4. Obtain instrument list from Fine Arts Department.

## Choir Hall and Support Spaces

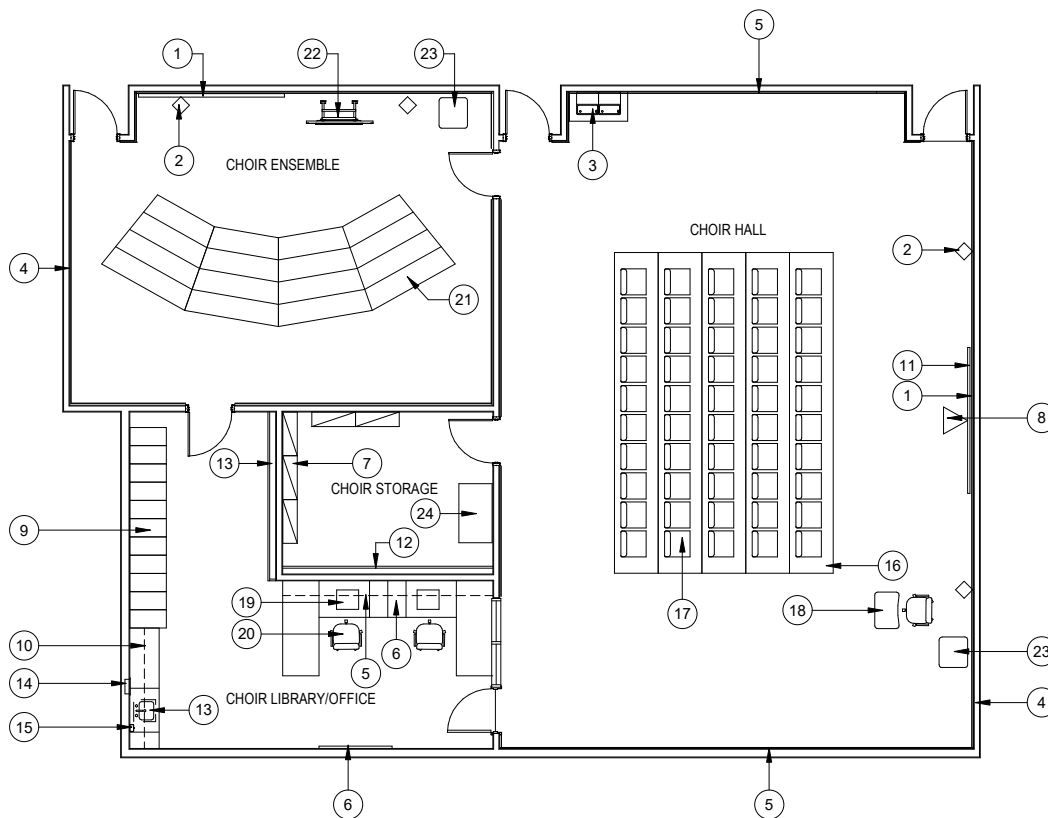
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Choir Hall)	1,450	1,450	
1 (Choir Office & Library)	250	250	
1 (Choir Ensemble)	600	600	
1 (Choir Storage)	150	150	

### SPATIAL RELATIONSHIP:

Locate in Choir Hall wing. Locate Choir Office adjacent to Choir Hall. Locate Choir Ensemble Room within Choir Area.

### SPACE LAYOUT



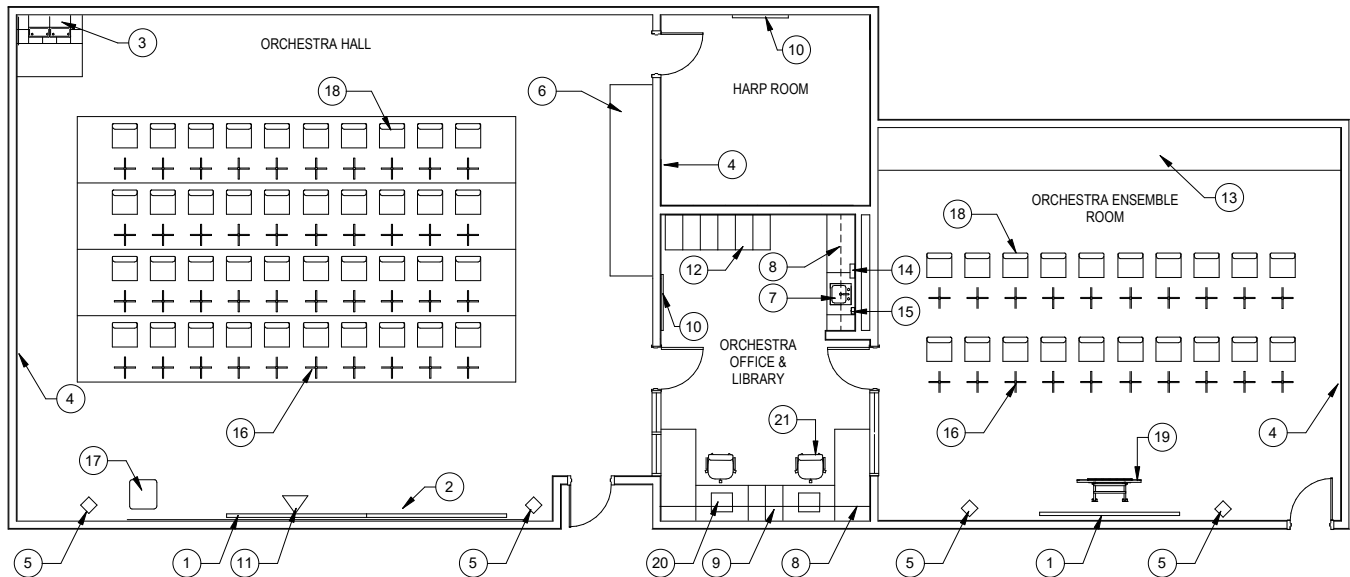
### FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard, magnetic	2	With music staff. 5' x 10'
2	Speakers	4	



Choir Hall and Support Spaces			
3	Drinking Fountains	1	Bi-Level; with Bottle Filler; confirm with req. counts
4	Acoustical Panels		Line walls of hall and ensemble; consult with acoustician
5	Upper and Lower Cabinets		With kneespaces
6	Vertical File Cabinet Drawers	2	Under counter
7	Metal Shelving		Line Walls. 18" deep
8	Instructional Display Technology	1	
9	Wenger Library Units		Line one wall
10	Upper and Lower Cabinets		Line one wall
11	Markerboard	1	5' x 10'
12	Clothes Rack	2	Line one wall
13	Sink	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
14	Paper Towel Dispenser	1	
15	Soap Dispenser	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
16	Risers		Wenger Seated per base of design
17	Student Chairs	50	
18	Podium	1	
19	Teacher Office Tool Set	2	
20	Task Chair	3	
21	Risers	1	Wenger Standing risers per base of design
22	Mobile Instructional Display	1	
23	Student Devices Cart	2	
24	Upright Piano	1	
Notes:			
1. Acoustical consultant must be included in design team for design of all music and performance spaces.			
2. Provide 4' wide doors, in and out of room.			
3. Provide windows from Choir Office to the Choir Hall for visibility.			

Orchestra Hall And Support Spaces			
PROGRAM SPACES			
Quantity:	Area (SF):	Total (SF):	Comments:
1 (Orchestra Hall)	1,600	1,600	
1 (Orchestra Office & Library)	250	250	
1 (Orchestra Ensemble Room)	900	900	
1 (Harp Room )	200	200	
SPATIAL RELATIONSHIP:			
Locate in Fine Arts Wing.			
SPACE LAYOUT			

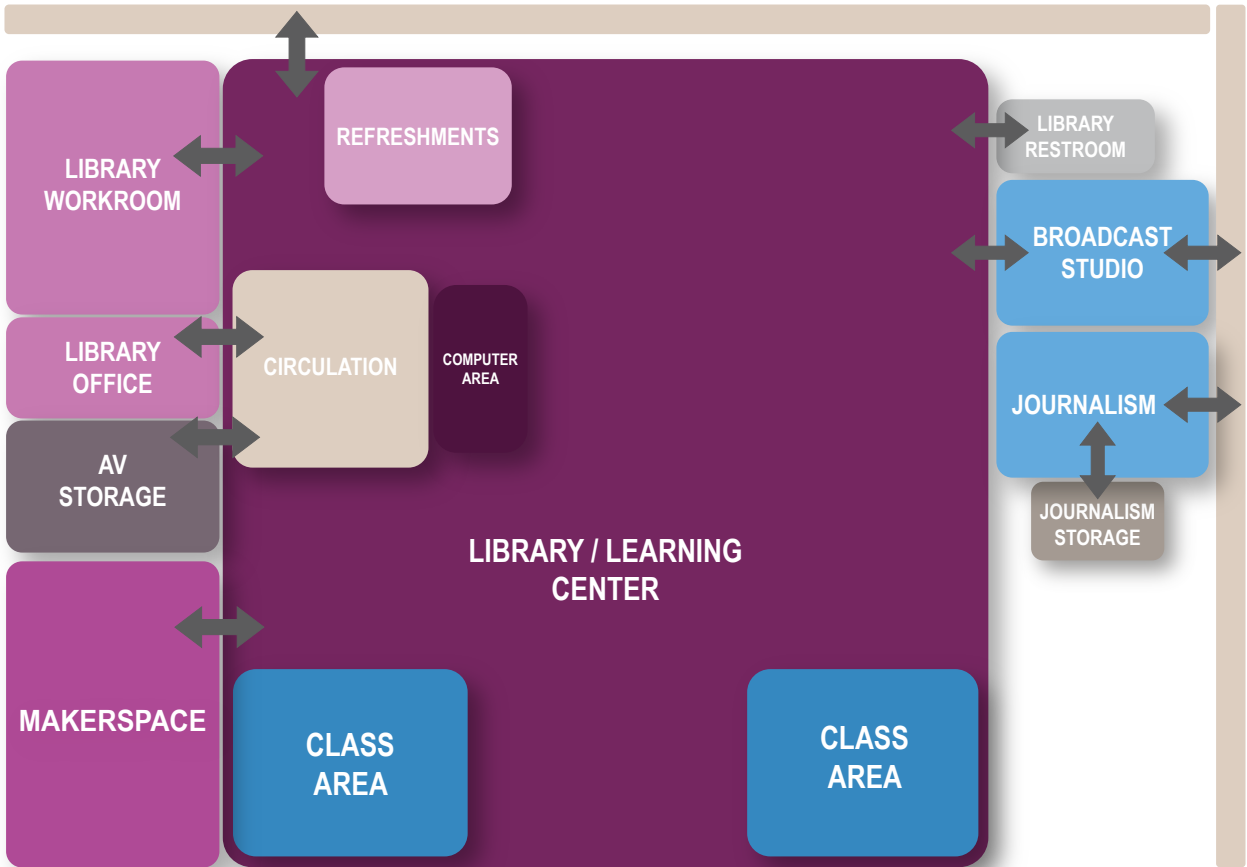


Orchestra Hall And Support Spaces			
FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Markerboard, magnetic	2	5' x 10'
2	Markerboard, magnetic	1	Music staff. 5' x 10'
3	Drinking Fountain	1	Bi-Level; with Bottle Filler; confirm with req. counts
4	Acoustical Panels		Line walls; consult with acoustician
5	Speakers	4	
6	Wenger Instrument Storage Lockers		Instrument counts to be provided by Fine Arts Department
7	Sink	1	
8	Upper and Lower Cabinets		With kneespaces in Office. Line one wall in Library.
9	Vertical File Cabinet Drawers	2	Under counter
10	Markerboard	1	5' x 4'
11	Instructional Display Technology	1	
12	Wenger Library Units		Line one wall
13	Intrument Storage		
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
14	Paper Towel Dispenser	1	
15	Soap Dispenser	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
16	Music Stands	60	
17	Student Device Cart	1	
18	Student Chairs	60	
19	Mobile Instructional Display	1	
20	Teacher Office Tool Set	2	
21	Task Chair	2	
Notes:			
1. Acoustical consultant must be included in design team for design of all music and performance spaces.			
2. Provide 4' wide doors, in and out of orchestra hall, ensemble, and harp room.			
3. Doors to be sound proof.			

# Library

RELATIONSHIP DIAGRAM

LIBRARY - MIDDLE SCHOOL



## Library/Learning Center and Makerspace

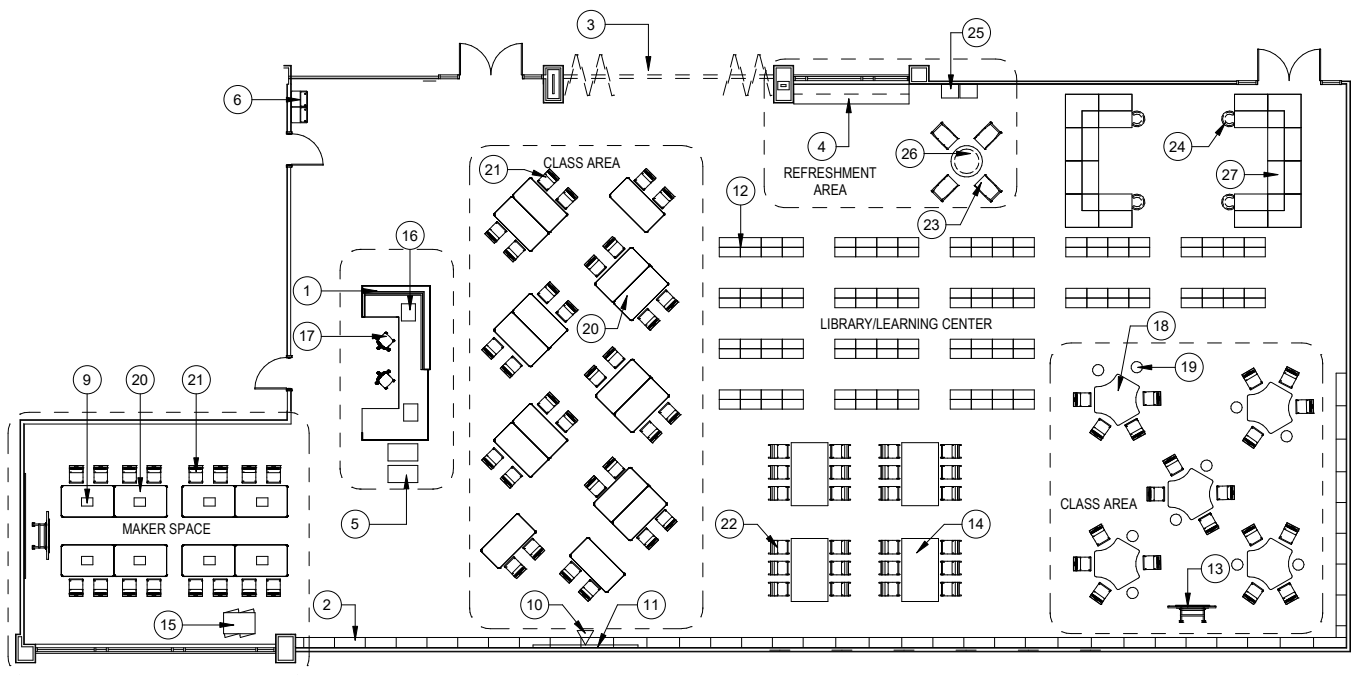
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Library/ Learning Center)	5,300	5,300	Library is preferred to 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.

### SPATIAL RELATIONSHIP:

Library should be easily accessible to all classrooms however, should be isolated from noisy parts of the school. Library should be close to restrooms as part of the after hours use. Makerspace should be located within the Library - not an enclosed space.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Circulation desk with book drop	1	Handicap accessible; book drop in front of desk
2	Perimeter Shelving		24"W x 11"D; Coordinate height with windows above
3	Folding Glass Partition	1	Open to Hallway
4	Upper and Lower Cabinets	1	For Refreshment area; Length of overhead and base cabinets to align
5	Book Truck	2	1 mobile
6	Water Fountain	2	Bi-Level Drinking fountain; Provide bottle filler
7	Not Used		
8	Not Used		
9	Overhead Power Reels	8	
10	Instructional Display Technology	1	

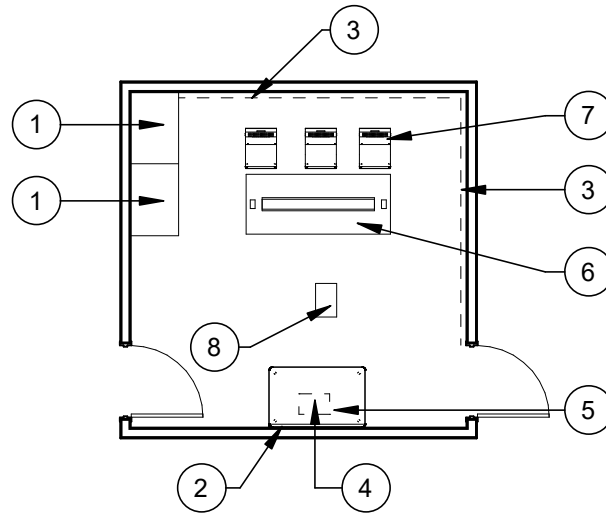
Library/Learning Center and Makerspace			
11	Markerboard	1	5'x10'
12	Interior Shelving		Mobile on casters; 48"H x 24"W x 11"D
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
13	Mobile Instructional Display Technology	2	
14	Student Tables	4	Bar height
15	Student Devices Cart	1	
16	Library Tool Set	2	
17	Task Chair	2	
18	Mobile Table	5	
19	Stools	10	
20	Student Desk	23	On casters
21	Student Chairs	66	
22	Student Chairs	24	Bar height
23	Small Soft Seating	4	
24	Side Table	4	
25	Mobile Charging Station	2	
26	Coffee Table	1	
27	Soft Seating	12	
Notes:			
<ol style="list-style-type: none"> <li>1. Provide independent study area for 35 students in Library</li> <li>2. Provide seating areas and work tables close to stacks in Library</li> <li>3. The Librarian and assistant need to be able to visually control the entire library from the circulation desk. Supervision should be maintained in space.</li> <li>4. Add passive monitoring via mirrors in blind spots.</li> <li>5. No newspaper rods or magazine racks as shelving options in Library.</li> <li>6. Provide windows above shelving along walls where possible.</li> <li>7. Refreshment area to serve coffee and other packaged drinks and snacks. Verify if sink and food service equipment is required. Schedule meeting with Lead Librarian to finalize scope in Library.</li> <li>8. Provide outdoor access into Library for community use.</li> <li>9. Tackable wall surface in maker space to display student work.</li> <li>10. Provide a safe room secure for lockdowns. Consider Broadcast room.</li> <li>12. Provide ability to turn off lights from multiple locations.</li> <li>13. Provide sufficient outlets for devices. No Floor Outlets.</li> <li>14. Provide storage lock at library restroom.</li> <li>15. Provide interior and perimeter shelving for a minimum of 16,000 number of print books.</li> <li>16. Provide additional network drops to plug in.</li> </ol>			

**Broadcast Studio****PROGRAM SPACES**

Quantity	Area (SF):	Total (SF):	Comments:
1	200	200	Two green walls to be provided.

**SPATIAL RELATIONSHIP:**

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	Tall Shelving Unit	2	Lockable; Adjustable Shelves. 36" x 24" x 84"
2	Markerboard	1	4' x 5'
3	Green Wall		2 walls

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

Tag #	Furniture / Equipment	Quantity	Notes
4	Broadcast Tool Set	1	
5	Activity Table	1	
6	Broadcast Table	1	
7	Chair	3	
8	Camera	1	Moveable

**Notes:**

1. Door leading to Broadcast can have a narrow light.
2. Power for lights is needed on wall perpendicular to green wall.
3. Two (2) doors preferred in this room



## Library Support Spaces

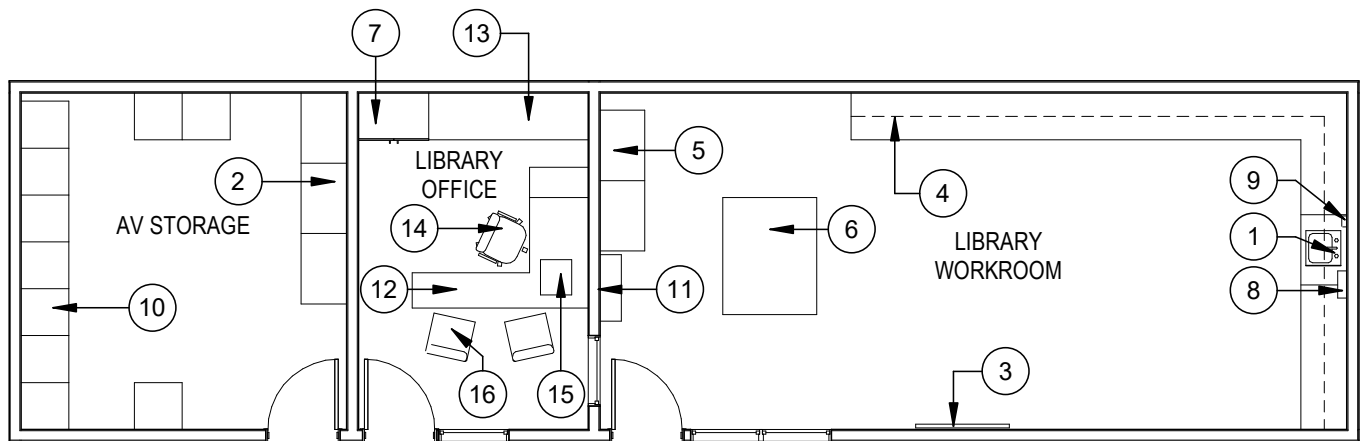
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (A/V Storage)	200	200	
1 (Library Office)	120	120	
1 (Library Workroom)	460	460	

## SPATIAL RELATIONSHIP:

Library workroom and Library Office should be adjacent to Library near circulation desk with glass for supervision; position so seating/stacks can be visually controlled from workroom. A/V to be located with direct access to corridor and adjacent to library/library office.

## SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Sink	1	
2	Locking Tall Shelving Unit	3	Adjustable Shelves. 36" x 24" x 84"
3	Markerboard	1	5' x 4'
4	Upper and Lower Open Cabinets		Line walls
5	Tall Shelving	2	For books in need of repair. 36" x 24" x 84"
6	Built-in Worktable	1	5' x 4'
7	Teacher Wardrobe	1	Lockable; 36" x 24" x 84"

## Library Support Spaces

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

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

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

Tag #	Furniture / Equipment	Quantity	Notes
10	Student Devices Storage Carts	10	for 300 devices
11	Laminator	1	Future
12	Desk	1	With return
13	Credenza	1	
14	Task Chair	1	
15	Librarian Tool Set	1	
16	Chair	2	

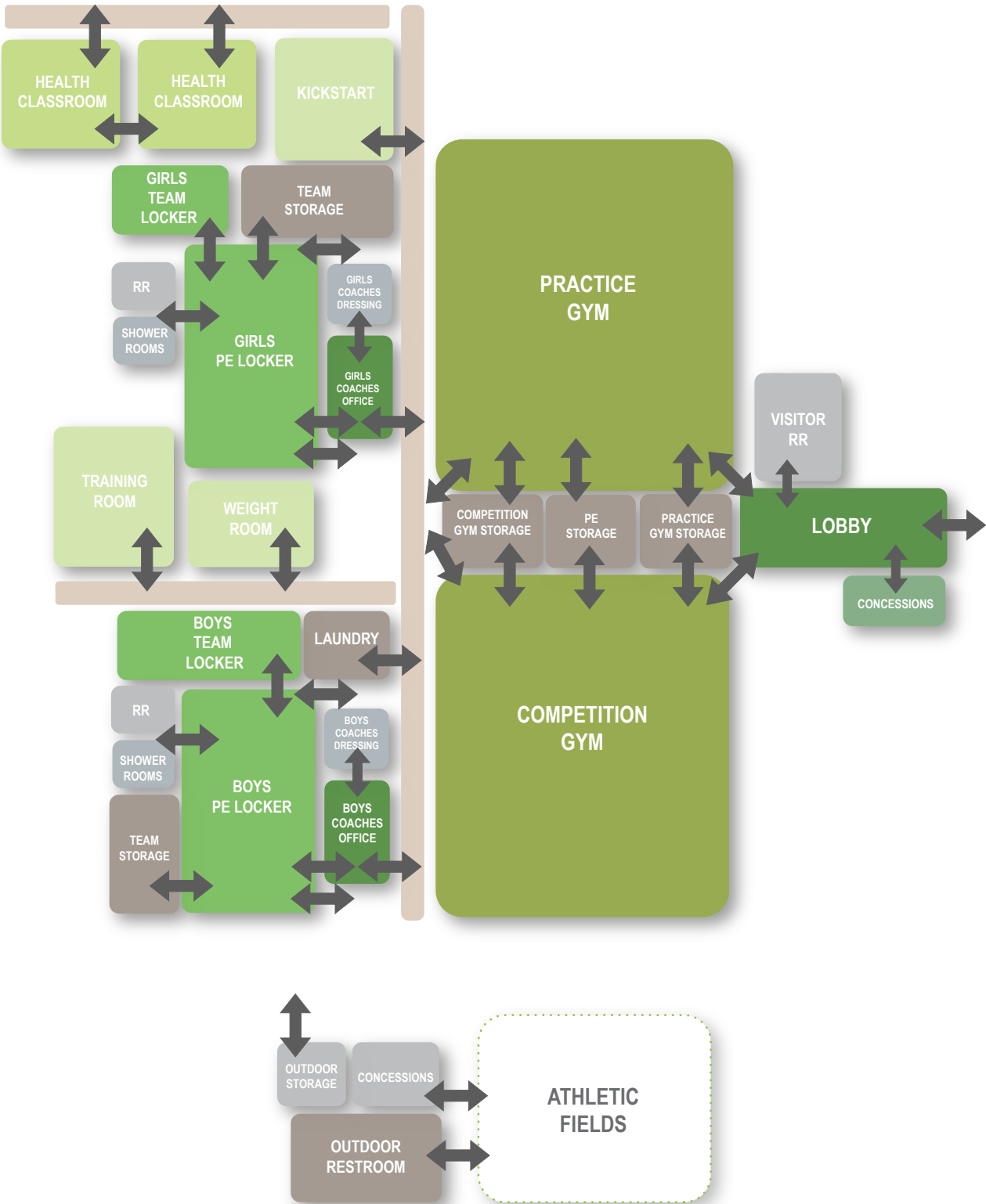
## Notes:

1. Allow space for student devices storage cart charging along one entire wall. Provide dedicated electrical outlets for a minimum of eight (8) carts.
2. Provide projection carts (2).
3. Provide window from the Librarian office and Library Workroom into the Library for supervision.

# Athletics and Physical Education

RELATIONSHIP DIAGRAM

ATHLETICS AREA



## Competition Gym and Storage

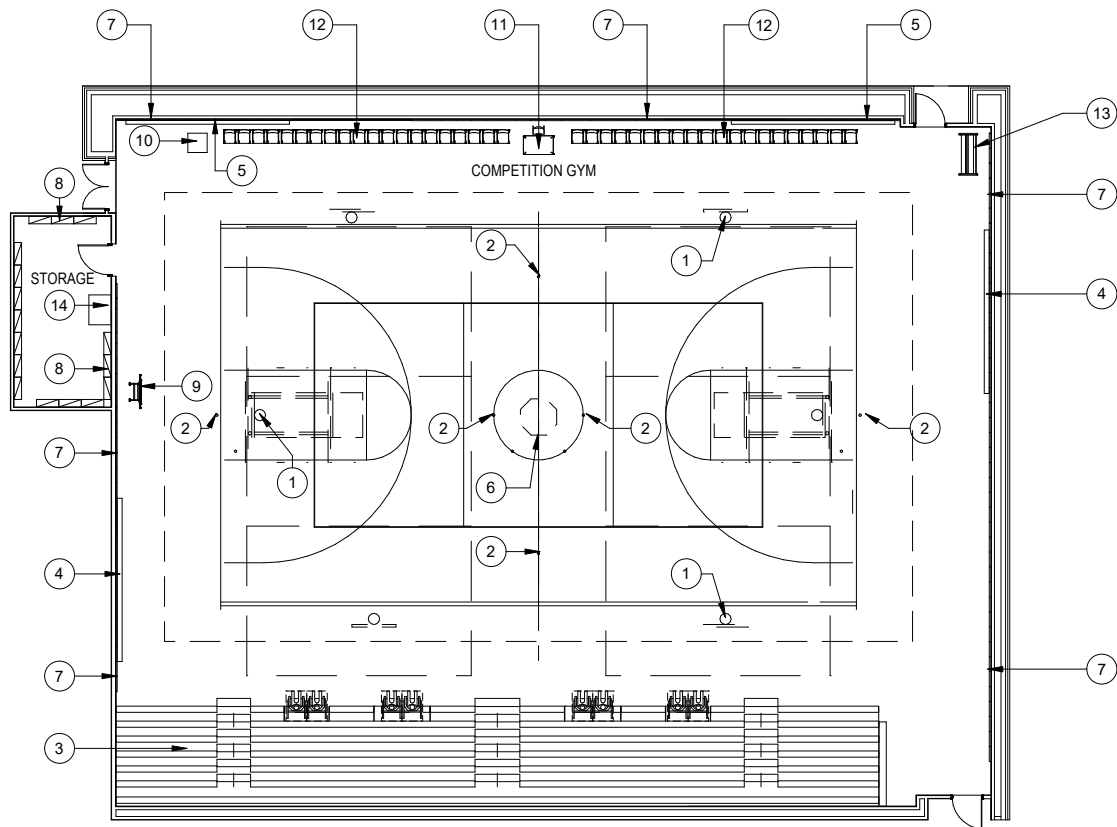
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Competition Gym)	10,000	10,000	
1 (Competition Gym Storage)	330	330	Open to both gyms

### SPATIAL RELATIONSHIP:

Locate in Athletics/PE area, next to Practice Gym. Locate Competition Gym Storage adjacent to Competition Gym.

### RELATIONSHIP DIAGRAM



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Basketball Goals	6	Folding, motorized, clear glass backboard
2	Volleyball Inserts, Standards & Nets	6	
3	Bleachers		500 seats; retractable
4	Scoreboard	2	Digital; clear visibility from scorer's table and for fans
5	Markerboard	2	5' x 10'
6	Sound System	1	
7	Wall Pads		Locate behind basketball goals; line walls. 2' x 6' each
8	Metal Shelving		Line walls with shelves. 36" x 36" x 84"

## Competition Gym and Storage

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

Tag #	Furniture / Equipment	Quantity	Notes
9	Mobile Instructional Display Technology	1	
10	Cafeteria/Gym Tool Set	1	With cart
11	Scorer's Table & Chairs	1	
12	Team Benches	2	
13	Chair Rack		
14	Projection Cart	1	

#### Notes:

1. Cross basketball courts are not full size. Provide markings on floor including 3-point line dashes and free throw lines. Coordinate with FBISD
2. Ensure bleachers do not encroach on cross basketball/volleyball courts.
3. Protect other equipment such as clock, strobe and chime within gymnasium with cage or plastic covers.
5. Provide electrical outlets above bleachers.
6. Provide smooth surface for projection area (markerboard or other). Projection device is on a mobile cart.
7. Comply with UIL requirements for vertical clearance to structure.
8. Incorporate badminton court provisions in gyms.
9. Consult with acoustical consultant for enhanced acoustics in this area.
10. Provide 4'-0" door into storage room.
11. Provide electrical outlets for score keepers.

## Practice Gym and Storage

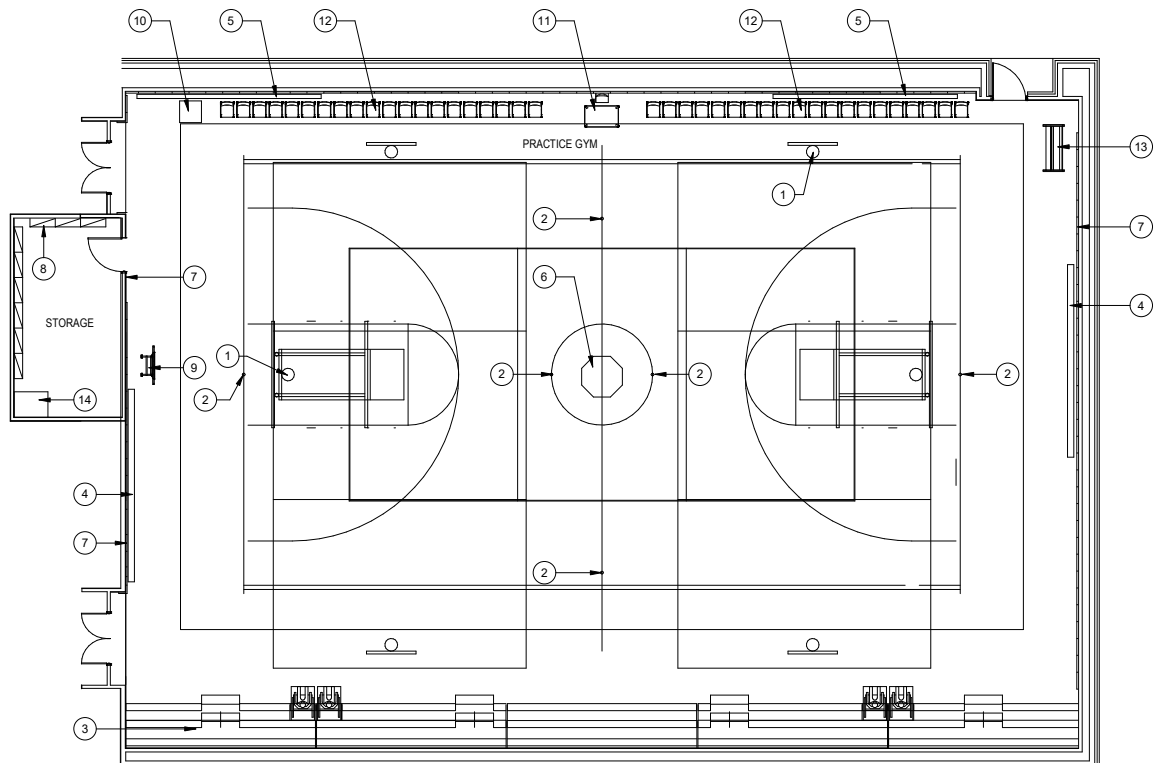
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Practice Gym)	8,300	8,300	
1 (Practice Gym Storage)	300	300	Open to both gyms

## SPATIAL RELATIONSHIP:

Locate in Athletics/PE area, next to Competition Gym. Locate Practice Gym Storage adjacent to Practice Gym.

## RELATIONSHIP DIAGRAM



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Basketball Goals	6	Folding, motorized, clear glass backboard
2	Volleyball Inserts, Standards & Nets	6	
3	Bleachers		150 seats
4	Scoreboard	2	Digital
5	Markerboard	2	5' x 10'
6	Sound System	1	
7	Wall Pads	2	Locate behind basketball goals. 2' x 6'
8	Metal Shelving		Line walls with shelves. 36" x 36" x 84"

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

## Practice Gym and Storage

Tag #	Furniture / Equipment	Quantity	Notes
9	Mobile Instructional Display Technology	1	
10	Cafeteria/Gym Tool Set	1	With cart
11	Scorer's Table & Chairs	1	
12	Team Benches	2	
13	Chair Rack		
14	Projection Cart	1	

**Notes:**

1. Cross basketball courts are not full size. Provide markings on floor including 3-point line dashes and free throw lines. Coordinate with FBISD Athletics Dept.
2. Ensure bleachers do not encroach on cross basketball/volleyball courts.
3. Protect other equipment such as clock, strobe and chime within gymnasium with cage or plastic covers.
4. Provide electrical outlets above bleachers.
5. Provide smooth surface for projection area (markerboard or other). Projection device is on a mobile cart.
6. Comply with UIL requirements for vertical clearance to structure.
7. Incorporate badminton court provisions in gyms.
8. Consult with acoustical consultant for enhanced acoustics in this area.
9. Provide electrical outlets for score keepers.

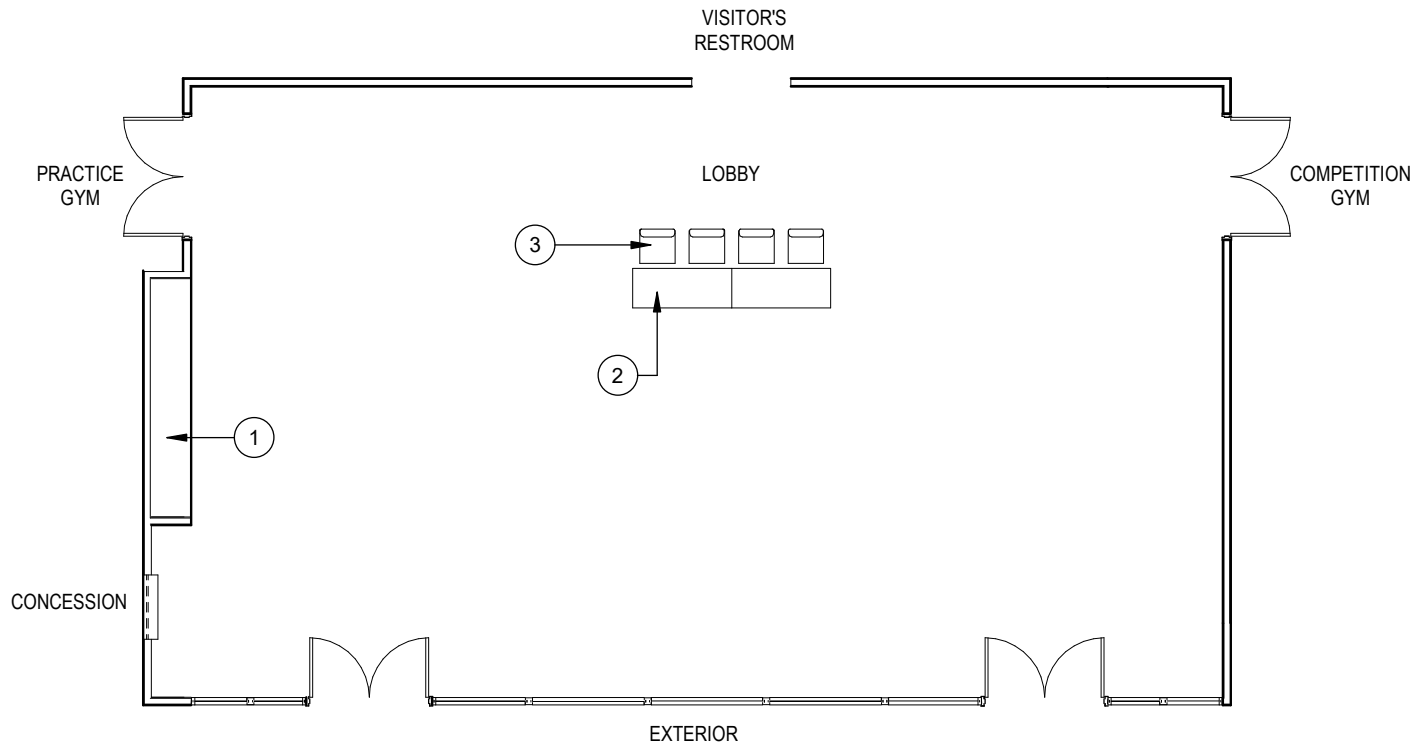


**Lobby****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate adjacent to Competition and Practice Gym.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Display Case	1	12' x 6' x 2'

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

Tag #	Furniture / Equipment	Quantity	Notes
2	Table	2	
3	Chair	4	

**Notes:**

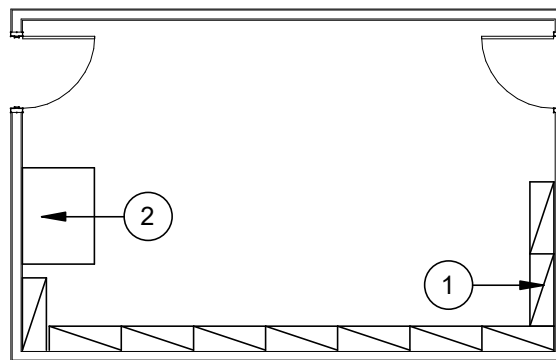
1. Lobby to be easily identifiable from exterior.

**PE Storage****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate adjacent to competition and practice gym with access to and from both.

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

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

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

Tag #	Furniture / Equipment	Quantity	Notes
2	Projection Cart	1	

**Notes:**

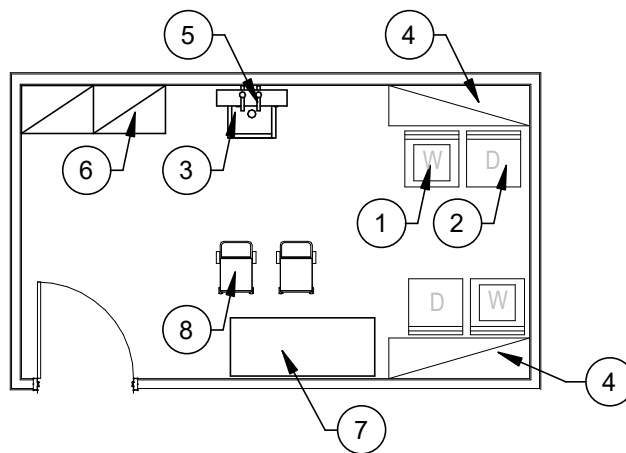
1. Provide power and data for projection device cart.
2. Provide 4'-0" door into room.

**Laundry****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
1	250	250	

**SPATIAL RELATIONSHIP:**

Locate close to locker rooms and training room.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Commercial Grade Washer	2	One future
2	Commercial Grade Dryer	2	One future
3	Mop Sink	1	Utility
4	Trench Drain	2	
5	Mop Rack	1	

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

Tag #	Furniture / Equipment	Quantity	Notes
6	Plastic Shelves	2	12" x 24" x 72"
7	Table	1	6' x 3' x 30"
8	Plastic Mobile Cart	2	

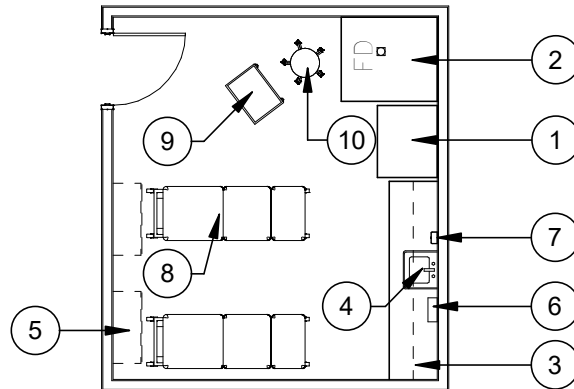
**Notes:**

**Training Room****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate in Athletics/PE area.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Refrigerator	1	
2	Ice Machine	1	With drain; rough in for two
3	Upper and Lower Cabinets		Lockable
4	Sink	1	
5	Overhead Cabinets	2	

**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**

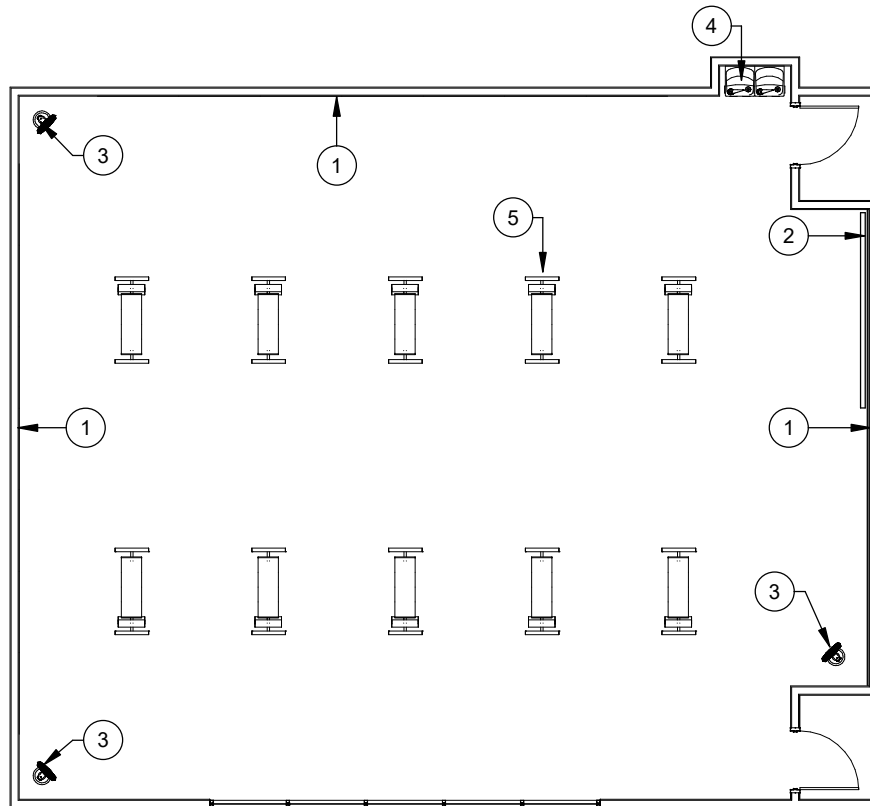
Tag #	Furniture / Equipment	Quantity	Notes
8	Taping Tables	2	
9	Mobile Cart	1	
10	Physician Stool	1	

**Weight Room****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate in Athletics/PE area.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Mirror		Mount at 12" AFF; Line walls. 4' x 6'
2	Markerboard	1	5' x 10'
3	Oscillating Fans	3	
4	Water Fountain	2	Bi-Level Drinking fountain; Provide Bottle Filler

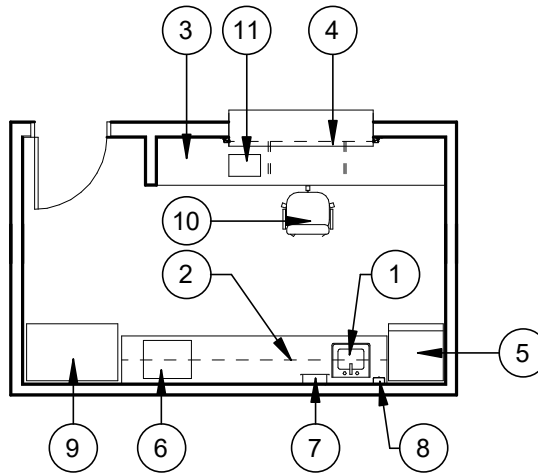
**FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED**

Tag #	Furniture / Equipment	Quantity	Notes
5	Weight Equipment	10	

**Notes:**

1. Provide 11'-0" minimum ceiling height.
2. Provide one 4'-0" door into space.
3. Provide windows to hallway.
4. Provide wall phone.
5. Avoid any structural elements in the middle of the room.

Concessions			
PROGRAM SPACES			
Quantity	Area (SF):	Total (SF):	Comments:
1	140	140	
SPATIAL RELATIONSHIP:			
Locate in Athletics Area.			
SPACE LAYOUT			



FURNITURE & EQUIPMENT - CONTRACTOR FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
1	Sink	1	
2	Upper and Lower Cabinets		Lockable
3	Built-in Counter	1	
4	Overhead Counter Door	1	6' x 5'
5	Refrigerator	1	
6	Microwave		
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
7	Paper Towel Dispenser	1	
8	Soap Dispenser	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
9	Ice Machine	1	With drain
10	Task Chair	1	
11	POS	1	
Notes:			

## Health Classroom and Storage

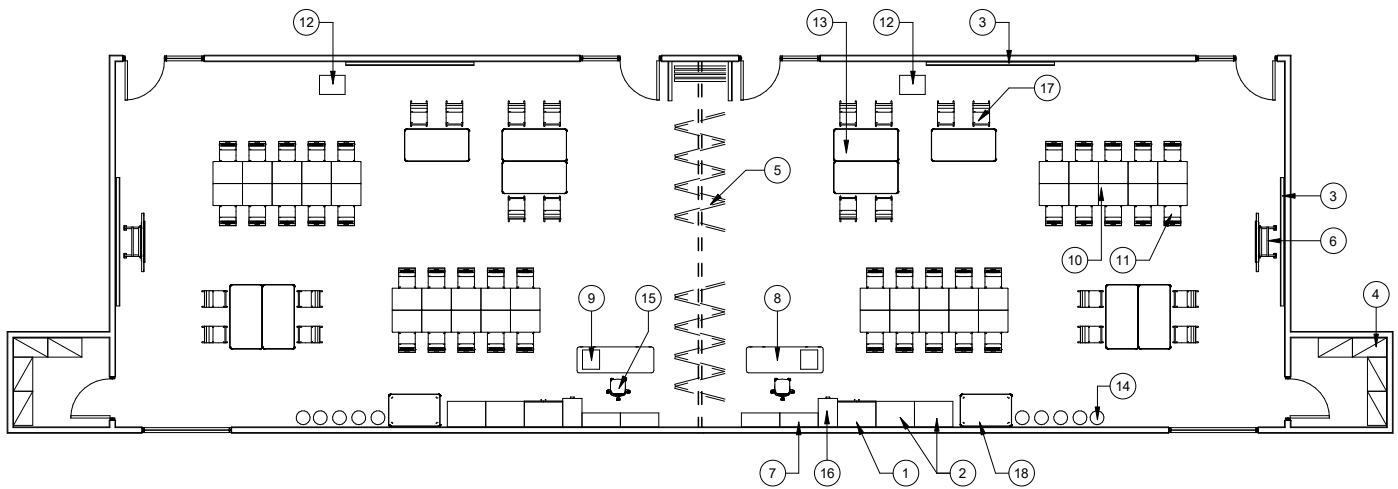
## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
2 (Health Classroom)	1,050	2,100	
2 (Health Storage)	50	100	

## SPATIAL RELATIONSHIP:

Locate both classrooms together in close proximity to gymnasia and classroom wings. Coordinate final location with athletics department.

## SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Teacher's Wardrobe	2	Lockable. 36" x 24" x 84"
2	Tall Shelving Unit	4	Lockable. 36" x 24" x 84"
3	Markerboard	4	5' x 10'
4	Metal Shelving		Line walls. 36" x 36" x 84"; gang together and affix to walls
5	Foldable Partition	1	Magnetic

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

Tag #	Furniture / Equipment	Quantity	Notes
6	Mobile Instructional Display Technology	2	
7	Bookcase	4	Moveable
8	Teacher Desk	2	
9	Teacher Tool Set	2	
10	Student Desk	40	
11	Student Chair	40	Stackable

**Health Classroom and Storage**

12	Student Devices Cart	2	
13	Student Tables	10	Standing height
14	Wobble Stools	10	
15	Teacher Chair	2	
16	Vertical filing cabinet	4	
17	Standing Height Stools	20	
18	Activity Table	2	

**Notes:**

1. Provide windows to hallway.

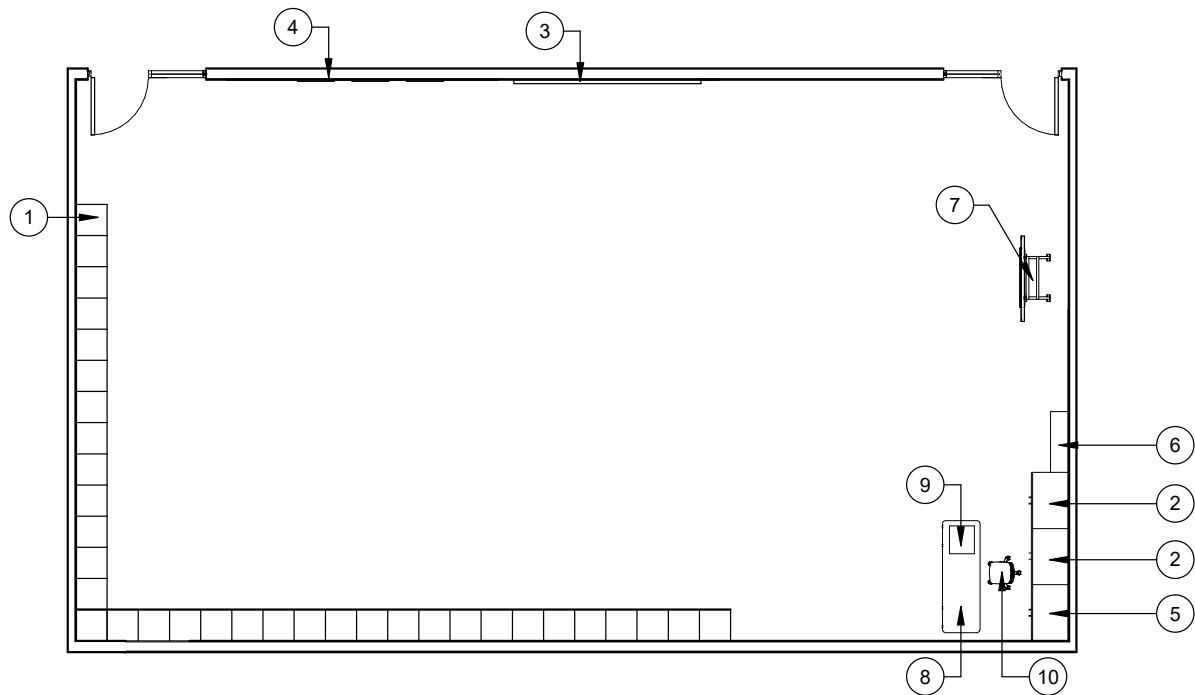


**Kickstart****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate near gymnasias and restrooms.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Cubbies	34	
2	Tall Shelving Unit	2	Lockable; 36" x 24" x 84"
3	Markerboard	1	5' x 10'
4	Mirror	3	
5	Teacher's Wardrobe	1	Lockable; 36" x 24" x 84"

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

Tag #	Furniture / Equipment	Quantity	Notes
6	Bookcase	1	
7	Mobile Instructional Display Technology	1	
8	Teacher Desk	1	
9	Office Tool Set	1	
10	Task Chair	1	

**Notes:**

1. Provide windows to hallway.

## Locker Rooms, Restrooms, Showers and Coaches Offices

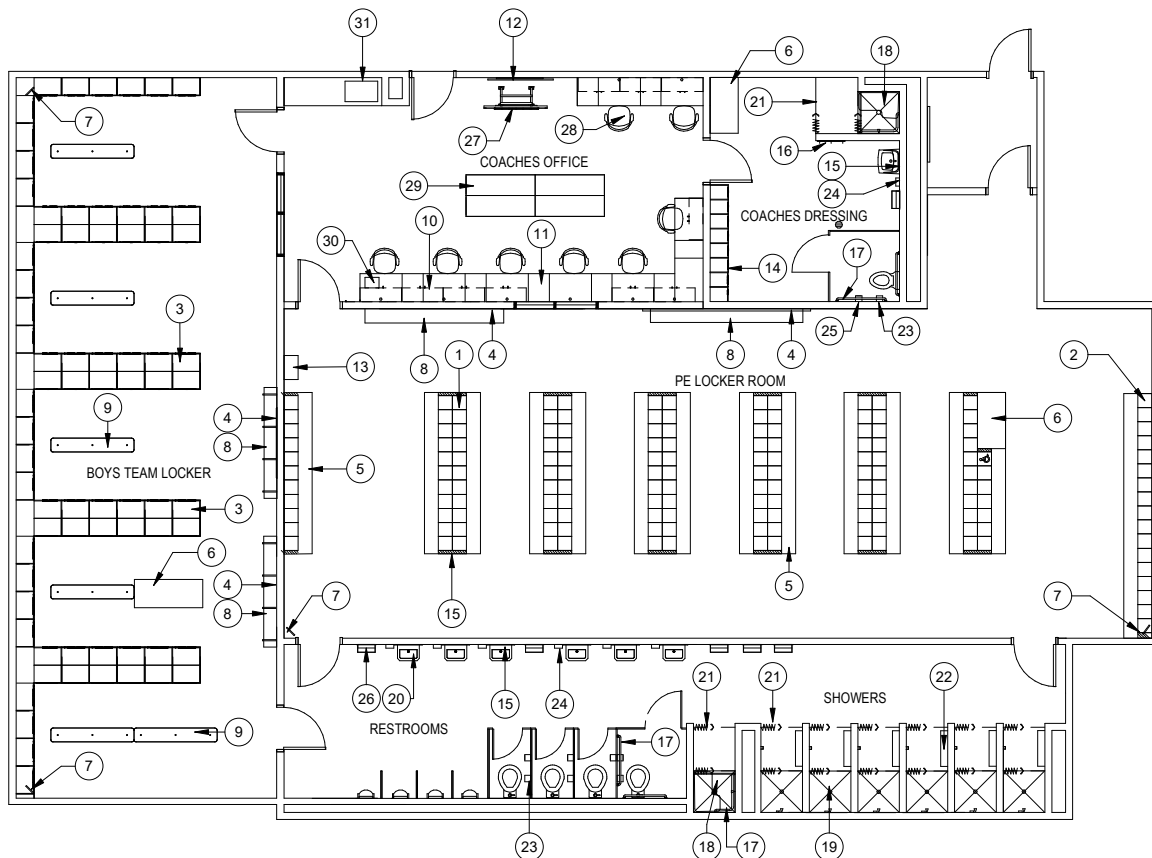
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
2 (PE Locker Room)	1,600	3,200	One for boys and one for girls
2 (Team Lockers)	550 sf girls, 1,000 boys	1,550	One for boys and one for girls
2 (Coaches Office)	450	900	One for boys and one for girls. '8 Coaches each
2 (Coaches Dressing)	200	400	
2 (Showers)	200	400	One for boys and one for girls
2 (Restrooms)	400	800	One for boys and one for girls

### SPATIAL RELATIONSHIP:

Locate PE Locker rooms and team lockers in Athletic/PE area adjacent to Coaches Office with direct access to restrooms and showers.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Lockers	700	5-tier. 12" x 12" x 12"
2	Lockers	63	2-tier. 12" x 12" x 6"

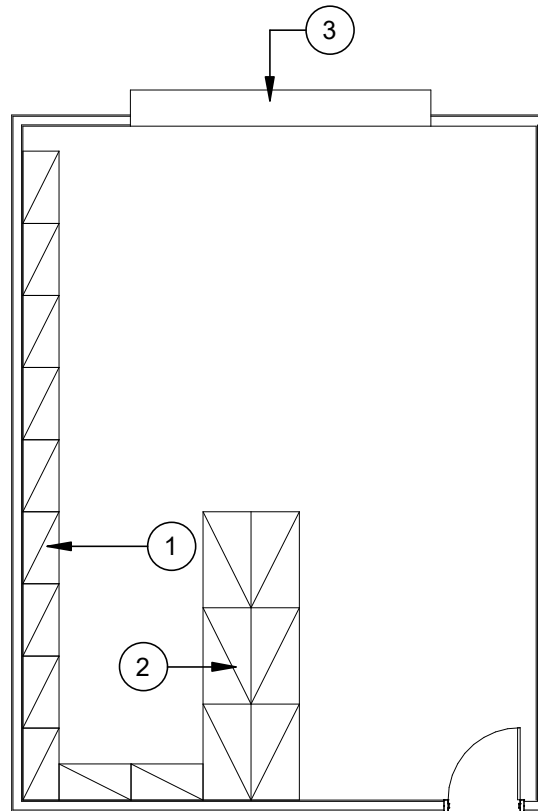
Locker Rooms, Restrooms, Showers and Coaches Offices			
3	Lockers	70-80	2-tier. 15" x 24" x 36"; 80 at Boy's Team Locker; 70-80 at Girl's Team Locker
4	Mirrors	4	4' x 8'
5	Benches	14	Fixed; locate along lockers
6	Handicap Bench	3	Near Lockers
7	Mirror - Convex	4	
8	Shelf	4	Mount at 34"; provide electrical outlets above
9	Benches	6	Moveable
10	Upper and Lower Cabinets		
11	Vertical File Cabinet Drawers	8	Below counter
12	Markerboard	1	5' x 8'
13	Not Used		
14	Lockers	8	Single-tier. 12" x 15" x 72"
15	Mirror	7	
16	Hooks	3	
17	Grab Bars	8	2 in HC shower as required in handicap stalls
18	Shower Handicap Bench	2	
19	Shower	8	One Handicap Accessible
20	Sink	7	
21	Shower Curtain	8	
22	Shower Bench	6	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
23	Toilet Paper Dispenser	5/9	1 per Stall
24	Soap Dispenser	7	
25	Feminine Napkin Disposal	9	At Coaches Dressing and girls Lockers
26	Paper Towel Dispenser	1	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
27	Mobile Instructional Display Technology	1	
28	Task Chair	8	
29	Flip Tables	4	
30	Teacher Office Tool Set	8	
31	Printer	1	Black and White
Notes:			
1. Arrange lockers to maximize supervision.			
2. Window from coaches office to locker rooms for supervision.			
3. Provide toilets at girls and urinals at boys.			

**Team Storage****PROGRAM SPACES**

Quantity:	Area (SF):	Total (SF):	Comments:
3 (Team Storage)	600	1,800	Two for boys and one for girls

**SPATIAL RELATIONSHIP:**

Locate in Athletics/PE area adjacent to team locker rooms. Locate Outdoor Storage outside near practice fields.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Metal Shelving		Line Walls. 36" x 24" x 84"
2	Metal Shelving	6	Deep Shelves. 36" x 36" x 84" in Team Storage only
3	Overhead Door	1	

**Notes:**

1. Overhead door to open to outside.

## Concessions, Outdoor Storage, and Outdoor Restrooms

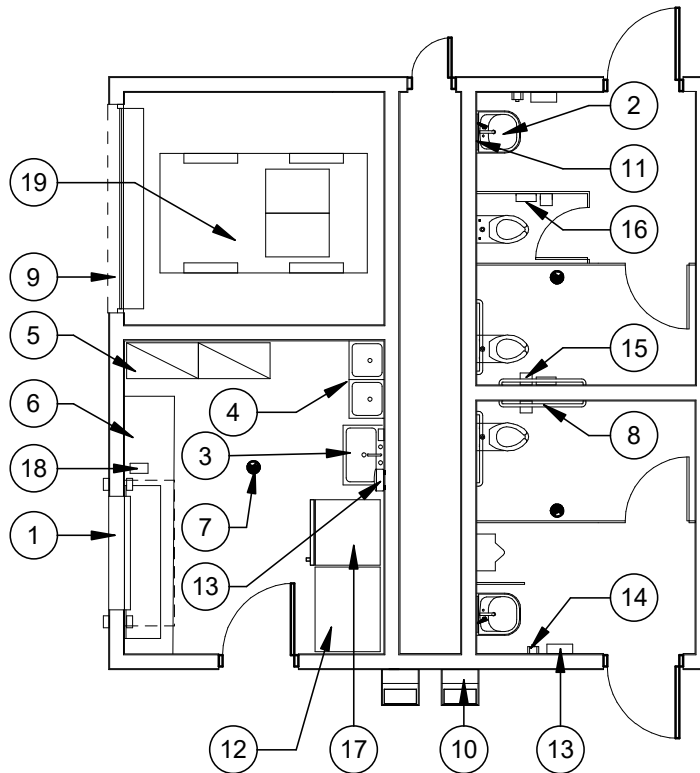
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
1 (Concessions)	140	140	Open to outdoors.
2 (Restrooms)	200	400	
1 (Outdoor Storage)	100	100	

### SPATIAL RELATIONSHIP:

Standalone concessions building. Locate outdoor storage adjacent to concessions and outdoor restrooms.

### SPACE LAYOUT



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

Tag #	Furniture / Equipment	Quantity	Notes
1	Overhead Counter Door	1	Stainless Steel; opens to outside
2	Hand wash Sink	2	In restroom
3	Hand wash Sink	1	In concessions
4	Two Compartment Sink	1	
5	Metal Shelves	2	12" x 24" x 72"
6	Counter	1	Provide multiple dedicated outlets above counter
7	Floor Drain	3	
8	Grab Bars	4	
9	Overhead Door	1	
10	Water Fountain	1	Bi-level drinking fountain; provide bottle filler
11	Mirror	2	In restroom
12	Ice Machine	1	With drain

Concessions, Outdoor Storage, and Outdoor Restrooms			
FURNITURE & EQUIPMENT - OWNER FURNISHED / CONTRACTOR INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
13	Paper Towel Dispenser	3	
14	Soap Dispenser	3	
15	Toilet Paper Dispenser	3	
16	Feminine Napkin Disposal	2	
FURNITURE & EQUIPMENT - OWNER FURNISHED / OWNER INSTALLED			
Tag #	Furniture / Equipment	Quantity	Notes
17	Beverage Cooler	1	
18	POS	1	
19	Gator Cart	1	
Notes:			
1. Access to outdoors field areas. 2. Provide dedicated electrical outlets. 3. Provide electrical outlets for vending appliances. 4. Data for POS needed at all serving counters.			

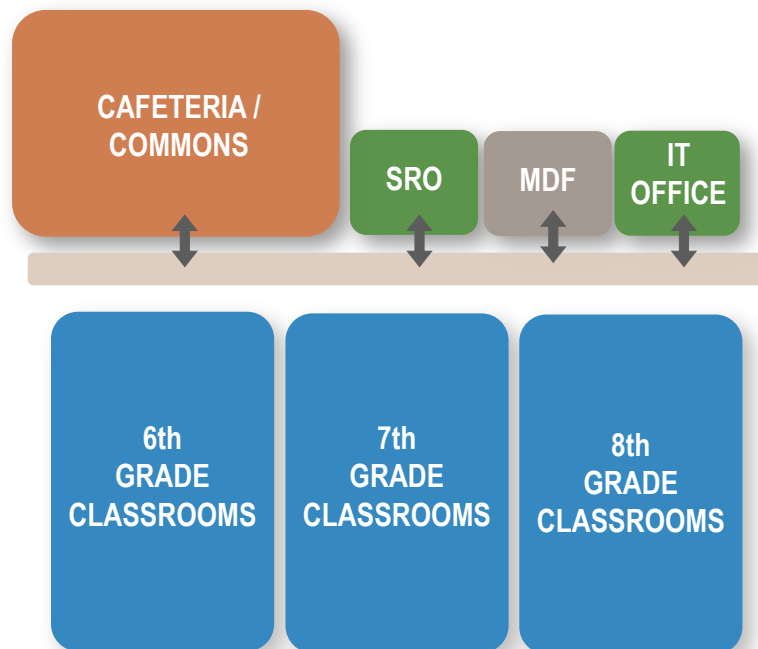


Security



## RELATIONSHIP DIAGRAM

SECURITY

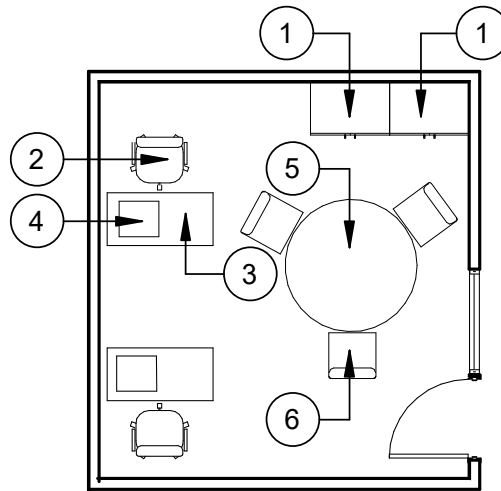


**School Resource Officer****PROGRAM SPACES**

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

**SPATIAL RELATIONSHIP:**

Locate centrally near cafeteria, with access to main hallway.

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

Tag #	Furniture / Equipment	Quantity	Notes
1	Locking Tall Cabinet	2	Lockable; 36" x 24" x 84"

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

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

**Notes:**

1. Provide window to hallway for visibility and supervision.

# Technology

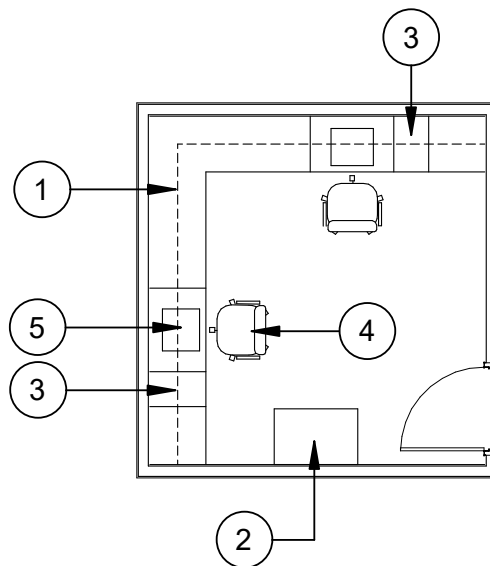
## IT Office

## PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
8 (IDF Rooms)	100	800	Number and locations depend on floor plan layout.
1 (MDF Rooms)	150	150	Card reader access.

To be de-centralized.

## SPACE LAYOUT



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

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

Notes:

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

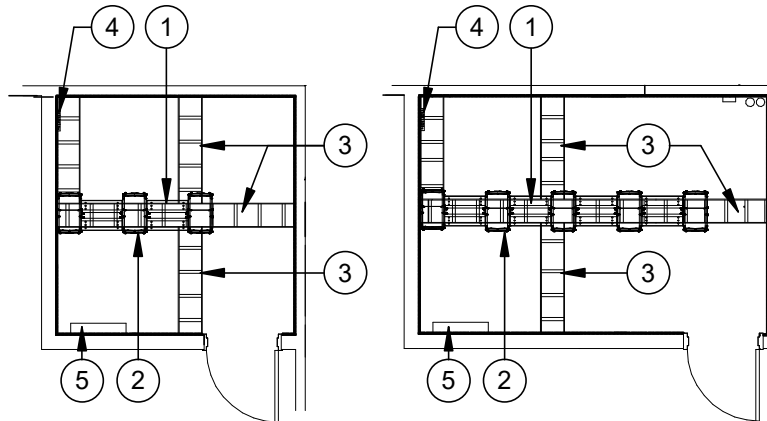
### PROGRAM SPACES

Quantity:	Area (SF):	Total (SF):	Comments:
8 (IDF Rooms)	100	800	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.
2	Vertical Wire Hangers		Refer to Technical Design Guidelines for additional information.
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	2	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.

# 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