HOUSTON INDEPENDENT SCHOOL DISTRICT

HISD EDUCATIONAL SPECIFICATIONS



FINAL

Approved by:

Dan Greenberg, Principal



CONDIT ELEMENTARY SCHOOL

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CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING

Customer Focused Always Responsive 3200 Center Street • Houston, TX 77007-5909







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GUIDING PRINCIPLES

Guiding Principles articulate a school's vision, values, hopes and ideals to the design team. Guiding Principles will be used to "test" the decisions that are made throughout the design process, since every element of the building must be created to support the school's vision and values.

Condit Elementary School's Guiding Principles:

Personal – Condit is a special place for children. Our new school will be unique and inspiring while maintaining its warm and inviting atmosphere.

Progressive – Condit students are creative and resourceful. The new facility will provide a learning environment that uses the latest technology and is relevant for future growth.

Quality – Condit is here to stay. As a centerpiece of Bellaire, the new school should be built to last, using progressive, but sensible designs and high quality materials.

Flexible – We will incorporate the use of collaborative learning spaces balanced with traditional teaching areas. The technical infrastructure will be flexible to accommodate future technological advances. All spaces will be considered for potential learning opportunities.

Community based – Condit is a neighborhood school in which our community is invested. Our new school will demonstrate this community connection.





Overview:

The goal of the Houston Independent School District is to ensure that every student has access to a rigorous instructional program required for college and career readiness. The effort begins at the Elementary School. Students participate in rigorous core academic courses as well as exploring courses in areas that integrate learning and work world experiences. The 2012 bond program is grounded by the promise to provide 21st century learning environments for our students.

This Educational Specification evolved through a collaborative process with each school and its Project Advisory Team (PAT). It was developed by exploring program requirements of Elementary Schools with consideration for extensive flexibility to address multiple approaches to the delivery of education with evolving pedagogies. Since new and renovated buildings are expected to serve multiple generations of learners, spaces must be planned to respond to changing program delivery strategies over time without "bricks and mortar" changes to the building. This educational specification has been prepared to provide spaces in a variety of sizes, interior zoning to enhance after-hours use, and a rich infrastructure to support current and emerging approaches to educational program delivery.

Educational Program Delivery:

There is an emerging body of research that links student performance with school facilities. One leading study makes the following points:

- Design components and features have a measurable influence on student learning. Deficiencies in thermal comfort, acoustics, and lighting are particularly significant.
- Overcrowding has a negative impact on learning.
- There is a strong positive relationship between overall building condition and student achievement.
- Substandard facilities have a negative impact on teacher effectiveness and performance and consequently impact student performance. (Earthman 2002)

One of the important concepts in education is the philosophy of differentiation. Differentiation calls for students to be taught in the way that is most likely to be effective considering their individual readiness and styles of learning. Standards are "what" is taught. Differentiation can be "how" standards are taught. Howard Gardner's theories of multiple intelligences have helped us understand the variety of ways in which we all learn. They are illustrated in the table on the following page.



CONDIT ELEMENTARY SCHOOL

Eight Ways of Learning:

Children who are highly:	Think	Love	Need
Linguistic	in words	reading, writing, telling stories, playing word games	books, tapes, writing tools, paper, diaries, dialogue, discussion, debate, stories
Logical- Mathematical	by reasoning	experimenting, questioning, figuring out logical puzzles, calculating	materials to experiment with, science materials, manipulatives, trips to the planetarium and science museum
Spatial	in images and pictures	designing, drawing, visualizing, doodling	art, LEGOs, video, movies, slides, imagination games, mazes, puzzles, illustrated books, trips to art museums
Bodily- Kinesthetic	through somatic sensations	dancing, running, jumping, building, touching, gesturing	role play, drama, movement, things to build, sports and physical games, tactile experiences, hands-on learning
Musical	via rhythms and melodies	singing, whistling, humming, tapping feet and hands, listening	sing-along time, trips to concerts, music playing at home and school, musical instruments
Interpersonal	by bouncing ideas off other people	leading, organizing, relating, manipulating, mediating, partying	friends, group games, social gatherings, community events, clubs, mentors/apprenticeships
Intrapersonal	in relation to their needs, feelings, and goals	setting goals, meditating, dreaming, planning, reflecting	secret places, time alone, self-paced projects, choices
Naturalist	through nature and natural forms	playing with pets, gardening, investigating nature, raising animals, caring for planet earth	access to nature, opportunities for interacting with animals, tools for investigating nature (e.g., magnifying glass, binoculars)

(Armstrong, Thomas. Multiple Intelligences in the Classroom, 2nd Edition. Chapter 3. Describing Intelligences in Students. 2000.)

What this tells us about the school building is that the facility must be planned to provide a variety of experiences to insure optimal learning opportunities for each student. Space and furnishings should be flexible to accommodate whole group instruction as well as individual and group space. Connections, where possible, to the outdoors are important for active learning and science projects.

Technology

Technology is an essential tool for learning in today's schools. Computers are used for instruction in the core subjects as well as word processing, data analysis, and



presentation development. Computers and projection devices are found in classrooms as well as labs. HISD has embarked upon a program that will lead to each student having their own laptop or tablet. All spaces in the facility must be designed to support this 1:1 initiative.

Flexibility

21st century schools should be organized to have the flexibility to embrace multiple program delivery systems. This may include: self-contained learning centers, team teaching, thematic instruction and/or departmental organization. The buildings must be flexible enough that from year to year the users of the building have the ability to alter the instructional methodology. Additionally, the learning environments must also be flexible enough that from period to period they can appeal to each learner.

Flexibility is addressed in this educational program through providing:

- Spaces in a variety of sizes that can be configured and re-configured in multiple layouts.
- Learning Centers with similar configurations and with as little fixed cabinetry as possible to allow for many configurations.
- Spaces such as the Learning Commons, Dining Commons, and Gymnasium that will be located to allow for after-hours access without disturbing the entire building.
- Finishes on the floors, walls, and, ceilings, that are easy to clean and allow for maximum personalization of the space.
- Furnishings that are flexible, durable, and easy to move, so the spaces can respond to a dynamic educational program.

Organization

At the Elementary level, spaces are increasingly organized in pods or houses, schools-within-schools or small learning communities. Essentially these concepts are similar. They all include learning centers and teacher support areas located together with Special Education, and Administration, creating personalized, smaller Neighborhoods within the larger facility. A major consideration in planning adjacencies of spaces within an Elementary School is the appropriate degree of separation among the younger and older students. This educational specification calls for grade levels to be grouped by age: PK, K and Grade 1; Grades 2-3; and Grades 4-5. These groups share spaces such as Art, Music, the Learning Commons, PE/Multi-Purpose Room, and Dining. The organization of the grade level classrooms related to age of students does not preclude the potential for older students mentoring younger students. Older students can serve as strong role models and mentors for the younger children, and the building should support whatever degree of combination or separation of ages that the school operator believes is appropriate.

Learning Centers

The focus of this Ed Spec for all grade levels is to create flexible and dynamic learning centers that support 21st century learning for whole group, small group, and individuals. Addressing the needs of all learners requires that learning be experiential and hands-on. Technology will be folded into the teaching and learning experience in a very seamless fashion.



Each learning space should have as much moveable (rather than fixed) furniture and equipment as possible. Tables, chairs, moveable storage, and wireless technology, will support flexible configuration during the current school day and year and many different configurations as educational program delivery evolves over time.

A variety of spaces have been included to support exploratory learning options, such as art, music, world language, and physical education. Each of these spaces will be configured to provide maximum flexibility in movable furnishings, fixtures, and equipment with acoustics, plumbing, etc., to support the intended primary uses.

Program Area Overview

Administration/Guidance

Immediately upon entry, visitors will be greeted in the administration "welcome area." Offices may include the Principal, support staff, guidance and health services. These spaces should be located in a centralized area at the main entrance of the school to provide a controlled access point during the school day.

The front entry lobby should be welcoming and inviting for students, staff, and visitors. However, to address security concerns, a security vestibule will be provided. In order to gain access to the facility, a visitor will pass through the vestibule directly into the main administrative reception area before being allowed into the school.

Neighborhoods

The basic organizational unit for this school will be the neighborhood, consisting of general-purpose learning centers, teachers' work center, small group rooms, extended teaching area, and science learning centers/wet labs. The neighborhood concept accommodates a variety of instructional strategies and student-grouping approaches. This concept also provides a learning environment that is characterized by flexibility, a sense of community for the students and teachers working and a safe/well-supervised environment. Teachers will have the option and flexibility within a cluster to create and organize learning environments that work for students and their learning styles.

The neighborhoods can be organized based on individual grade levels, or on multi-grade groupings. The learning communities should be located near the Learning Commons and away from noisy spaces such as the Gymnasium and Dining. Special attention should be given to accessibility of all educational and support spaces and an integrated learning program.

Learning Commons

The Learning Commons serves a dual role. Its traditional role is a library and a place to conduct research. Its new role is to serve as a technology and information base center. In this new role, it houses a transparent voice/video/data network that runs throughout the entire building. This area is changing from a "depository of books" to a "technology information center." It is not projected that the library functions will discontinue; rather digital technology will enhance voice, video, and data communications within the school, among district facilities, and with distance learning resources. To that end, a portion of



the Learning Commons will be included in each Neighborhood as an Extended Learning Area for electronic research, project collaboration, etc.

Visual Arts

The Visual Arts Learning Center will be configured to support both 2-dimensional activities and 3-dimensional creations. Space will be provided both within the classroom and in a connecting storage room for access to materials and storage of student work-in-progress. Configuration will provide as much display space as possible to showcase student work within the room and in display cases visible from the corridor. The connecting kiln room will provide an area to store work waiting to be fired as well as safe control and ventilation for the kiln.

Performing Arts

Design, flexibility, and acoustics should be especially considered when planning these spaces. The Music spaces will be located adjacent to the PE/Multipurpose Room and Dining Commons.

Physical Education

A variety of indoor and outdoor areas are required to support school physical education programs, Outdoor physical education teaching areas should be located near the indoor PE/Multipurpose Room. This space should be located immediately adjacent to the Dining Commons and share an operable partition. This will allow maximum flexibility to configure the two areas for large or small groups, performances, lectures, meetings, etc. Physical education facilities should be designed and constructed with a focus on community use during non-school hours, since there is a high demand for both indoor and outdoor facilities. This will be accomplished by locating an entrance near the PE/Multipurpose Room with lockable doors to control access to the rest of the building.

Food Services

The Dining Commons is planned as a flexible room that can accommodate student dining, meetings, and other events. The serving area will be designed as a food court. Movement among the various activities, i.e. hand washing queuing for serving, and exiting, will be planned for ease of movement.

Building Support – Corridors and Common Spaces

Extensive display areas should be provided for two-dimensional and three-dimensional student work and awards. Finishes should be durable and easy to maintain. The scale of all spaces must be student friendly. Colors, artificial lighting, and natural day-lighting should be artfully managed to create an environment that communicates that school is a very special place.

Technology

The facility should contain the latest in technology and be wired and wireless for voice, video and data throughout the building. The program design is intended to bring information to each student, and computer technology will be distributed to every learning space. HISD is in the early stages of an initiative which when completed will



provide each learner with a laptop or tablet. It is intended therefore that access to technology will be seamless and pervasive throughout the building.

Accessibility

The entire facility must be universally accessible. This should be accomplished through judicious use of ramping and elevators where necessary, sufficient internal clearances for circulation, convenient bus/van loading and unloading, and nearby handicapped parking spaces. All elements of the Americans with Disabilities Act must be complied with, including way-finding and signage, appropriate use of textures, etc.

Aesthetics

Constructing the indoor and outdoor structures and spaces where students go to school today must meet many challenges and expectations. Interior and exterior aesthetics should reflect the high academic aspirations of the school. It should have community visibility and presence.

Creating a community landmark will establish a recognizable identity that will instill pride in students and community and also express the value that the community has for its children. Areas within the school should be developed to have clear organization and internal identity.

The facility should be inviting to students, making them feel that the space is special, and therefore make it clear that each person is special. Aesthetics that affirm the value of the individual must be emphasized, with spaces for the admiration of the accomplishments of self and others. The school should support academic success, high self-esteem, social interaction, and physical safety. The facility layout should be especially easy to comprehend and reflect how spaces relate to one another. Easily supervised areas should be provided for positive socialization among students and with teachers.

Flexibility

Facilities should be constructed in a manner in which change and flexibility is the norm, not the exception. Building materials, systems, and furniture should be selected to support these concepts as well.

Indoor and Outdoor Learning Environments

By rethinking all spaces, better use of the facilities and site can occur. One way to accomplish this is to use windows and outside areas to make rooms "feel" larger as well as utilizing outdoor areas for teaching environments. All learning centers must have windows to the exterior.

Common and shared use areas should be considered to provide spaces for positive interaction and orientation within the school. All learning environments should be developed to foster a sense of belonging and pride. The use of the building system/design as an actual teaching model and example of technology and environmentally conscious design should be considered. Creativity and functionality should work hand in hand.





CAPACITY MODEL & SPACE REQUIREMENTS









Capacity Model

	# Teaching Stations	Students per Teaching Station	Program Capacity
Pre-Kindergarten Learning Centers	2	22	44
Kindergarten Learning Centers	5	22	110
Grade 1 Learning Centers	5	22	110
Grades 2 - 5 Learning Center	22	22	484
Self-Contained Learning Centers	1	12	12
Total	35		760

Space Requirements Summary

	Teaching Stations	Total
Core Academic Area	35	40,607
Visual Arts		1,191
Performing Arts		1,139
Physical Education/Athletics		4,085
Welcome Center/Administration Space Requirements		4,779
Food Service Space Requirements		7,104
Custodial/Maintenance Space Requirements		755
Total Net	35	59,660
Building Support		23,037
Total Gross		82,697

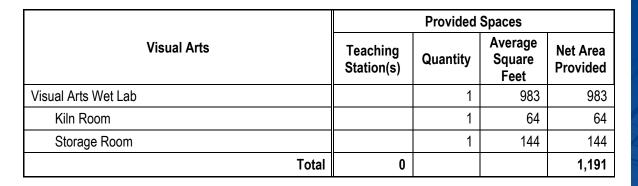


CONDIT ELEMENTARY SCHOOL

Space Requirements

		Provided	Spaces	
Neighborhoods	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Learning Centers				
Pre-Kindergarten Learning Centers (individual restroom)	2	2	1,002	2,132
Kindergarten Learning Centers (individual restroom)	5	5	76	5,276
Grades 1 - 5 Learning Center	26	26	141	21,661
Small Group Room		3	108	323
Self-Contained Learning Center	1	1	832	832
Restroom/Changing Room		1	306	306
Testing/Speech/Hearing		1	150	150
Teaching Theatre (2-3 classes could gather, stepped with space for tables and chairs)		1	1,427	1,427
Table/chair storage		1	235	235
Wet Lab	1	2	1,067	2,133
Wet Lab Storage (shelving for large kits)		1	143	143
Flex Lab (Computer Lab) (30 student computers) (all screens visible to teacher)		1	1,075	1,075
Computer Storage		1	105	105
Learning Commons/Information Center/Extended Learning Areas		1	4,067	4,067
Learning Commons/Information Center Storage		1	97	97
Storage (Shared)		1	250	250
Storage		4	99	395
Total	35			40,607





	Provided Spaces				
Performing Arts	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided	
Music Learning Center (locate behind stage with connection)		1	983	983	
Music Storage/Library		1	156	156	
Total	0			1,139	

	Provided Spaces				
Physical Education	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided	
Multipurpose Activity Room		1	2,995	2,995	
Stage		1	736	736	
Office		1	104	104	
PE Equipment Storage		1	250	250	
Total	0			4,085	



		Provid	ed Spaces	
Administration	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Administration				
Reception, Administration		1	500	500
Office A (Registrar/Secretary) (include small safe)		1	96	96
Office C (Principal) (with restroom)		1	263	263
Office B (Assistant Principal) (2nd floor)		1	120	120
Office B (GT Clerk) (Locate with AP on 2nd floor)		1	120	120
Office B (Itinerant - near Clinic)		1	118	118
Conference Room, Main (edge of Administration, adjacent to a main corridor, 12-16 people)		1	263	263
Conference Room, Small (connect with Principal Office)		1	165	165
Data Room (protected, accessible for teachers and staff only, include workstation with scanner)		1	180	180
Testing Storage/Checkout Room (2nd floor, connect with Data Room, must be lockable, not on Grand Master)		1	71	71
Records/File Room		1	171	171
Administration Workroom/Break Room		1	227	227
Mail Pick Up Area		1	72	72
Storage, Administration		1	132	132
Storage, Textbook (could be on 2nd floor adjacent to GT Clerk)		1	396	396
Clinic		1	273	273
Storage Room		1	50	50
Clinic Office A		1	76	76
Clinic Restroom		1	61	61
Shared				
Teacher Lunch Room (near Dining Commons)		1	554	554
New Mother's Room (accessible from corridor, small refrigerator)		1	50	50
Teacher Planning		1	156	156
After School/General Storage (locate centrally)		1	58	58
Crossing Guard Storage (near main entrance)		1	52	52
Multi-use/Community Room/School Store (roll up window into corridor with counter)		1	362	362
Storage Closet (Fall Carnival, Field Day, Garden Equipment)		1	193	193
Total	0			4,779



	Provided Spaces				
Food Service	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided	
Kitchen Preparation Area		1	850	850	
Kitchen Serving Area		1	947	947	
Kitchen Dry Storage		1	213	213	
Kitchen Freezer		1	161	161	
Kitchen Cooler		1	171	171	
Kitchen Manager's Office		1	92	92	
Kitchen Laundry/Custodial Area		2	40	80	
Kitchen Locker Room/Restroom		1	118	118	
Student Dining Commons (seating for 1/3 of students at one time plus 200 for dining)		1	4,134	4,134	
Special Events Storage		1	71	71	
Dining Commons Storage		1	267	267	
Total	0			7,104	

	Provided Spaces				
Custodial/ Maintenance	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided	
Receiving Entry		1	139	139	
Office, Plant Operator		1	77	77	
Custodial/Maintenance Storage (include cages for securing equipment)		1	279	279	
IT Support		1	100	100	
Custodial Closet		2	80	160	
Total	0			755	







SITE







Site

Overview

Attractive, functional buildings placed on adequate grounds in an appropriately landscaped environment help to create in students an appreciation for schools and in adults an added civic interest and respect for the dignity of education. Site planning is based on a thorough analysis of the site, determination of human needs, determination of requirements for other uses, sustainability and provision for transportation, communications and utilities. Site planning is the first opportunity for incorporating the four principles of Crime Prevention through Environmental Design (CPTED):

- Natural Surveillance
- Natural Access Control
- Territorial Reinforcement
- Maintenance

In many communities, school facilities are frequently used for purposes other than those directly related to the learning activities of students; such as adult education, public assembly, recreation, election polling places, meetings that require food services, etc. There is a trend toward increasing this multi-use function of school facilities. Some schools are now being built as a part of a larger complex of community service facilities: recreation grounds and parks, health and social services centers, libraries and cultural centers.

On-site school traffic includes: buses, commercial vans, cars and bicycles transporting students, parents, staff and visitors to and from school, car and bus parking, service and delivery vehicles, and pedestrians entering, exiting and accessing site facilities. This traffic must be managed safely and efficiently so that it supports the school's mission and traffic management does not become a burden to the staff.

Outdoor recreational facilities will accommodate the physical education program, field exercises in academic programs such as science and art, unstructured play and social events such as picnics and carnivals. Group sizes will range from school wide events such as field days, to whole class grouping, small groups and individuals.

To manage transitional capacity the school system has elected to utilize temporary classroom units (T-Buildings). In planning new school construction and in site planning on existing campuses, space should be identified to site six of these units and accommodations made for their future utility hookups.



Design Considerations

- The outdoor playing fields shall accommodate the physical education program, athletics, and outdoor learning activities.
- As sites are identified, the opportunity for cooperative efforts such as buying adjacent land and master planning together with community groups should be explored.
- In developing a Campus Master Plan, consideration should be given to:
 - Future enhancements such as amphitheaters, picnic tables, nature trails, gardens for vegetables, wildflowers, and butterflies; wildlife habitats, sundials, etc.
 - Fire lane with access to all areas of the campus with special attention paid to allowing trucks to access the cafeteria, bus and parent drop off areas as these are the usual locations of fires. However, fire truck access to buildings must not be compromised during drop-off and pick-up times. Therefore, provide a 20' access way at critical points so the parents' vehicle queue will not interfere with emergency access to the building.
 - Security of life and property when designing the exterior lighting system.
 Consider placement of utility stub outs for lights which may be installed by community user groups.
 - Ways in which the community may use and upgrade the facilities. For schools these improvements may include stub outs for athletic field lighting (include baseball and softball fields). For schools/parks these improvements may include public restrooms/concession area/storage, spectator control access/storage, score boards & warm-up areas.
- Consider context and surrounding community circulation when planning site.
- Vehicular and pedestrian traffic should be separated.
- Site Master Plan should include covered walkways to bus and/or car loading/unloading areas.
- Coordinate traffic pattern so that students will not have to cross driveways or parking areas in route to outdoor play fields.
- Separate vehicular traffic as much as site and local governing bodies will allow.
- Allow for separate entrances/exits for bus traffic, car queuing and car parking. If separate roadway accesses are not possible separate traffic as soon as feasible on-site.
- The daily school schedule for arrival and dismissal, and occasional events, including large group assemblies and special events should be considered in the design of traffic patterns.
- Make all outdoor facilities ADA accessible.
- Allow for sufficient buffer space for safety when siting outdoor playing fields.
 Preservation of the natural environment and outdoor spaces for science and arts is desirable.
- Consider making provisions for shade and potential assembly areas.
- Design to allow for future upgrades, if possible.
- Consider safety and social zones of activity.
- Parking lots should be distant from foul ball territory.
- Screen noise producing areas from instructional areas.



- Campus Master Plan should indicate fire lane with access to all areas of the campus. This shall not be a paved road. It is critical that the school building not be encircled by vehicle circulation.
- Determine which development standards will be required, as these may have different requirements.
- In planning fields include fencing such as backstops, outfield, dugouts, temporary fencing with the thought of providing multiple use of athletic fields.
- See Design Guidelines concerning irrigation.
- Follow standards published by National Federation of State High School Associates for guide to proper athletic field orientation, sizes and markings: National Federation of State High School Associations

PO Box 361246 Indianapolis, IN 46236-5324 1-800-776-3462



CONDIT ELEMENTARY SCHOOL

Site

Future Expansion/T-Buildings Area

USERS:	ACTIVITIES:
StudentsFaculty/staff	Generally square area to accommodate six (6) temporary buildings
• Faculty/Staff	buildings.
DESIGN CONSIDED ATIONS:	

DESIGN CONSIDERATIONS:

- When identifying the location, consider proximity of group toilets and other core facilities such as Learning Commons/Information Center, Food Service, etc.
- When identifying the location, consider access to the area for transporting the buildings to and from the site.
- Students moving to and from permanent buildings should not cross vehicular traffic.
- Do not use areas programmed for other uses for temporary buildings.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Provide underground conduit and stub ups from the nearest power panel in the main building for future electrical connections. This panel should be provided with the required extra capacity.
- Provide underground conduit and stub ups for future data connections.

Owner Furnished - Contractor Installed

None

Owner Furnished - Owner Installed

None

Site

Service Court/Access Drive/Dumpster

USERS:	ACTIVITIES:	
Maintenance StaffCustodial StaffFood Service Staff	 School deliveries Waste disposal bins (dumpsters) Meeting with parents, students and other visitors 	
DEGLEN GONGIDED ATIONS	Placing phone calls	
DESIGN CONSIDERATIONS:		
 Locate in close proximity to 	Receiving Entry and Food Service	
Area should be sited or shield	elded so that a visual screen is created	
Consider turning radii and path of delivery vehicles		
Provide drains at waste disposal bins		
FURNITURE, FIXTURES & EQ	UIPMENT:	
Contractor Furnished - Contr	actor Installed	
Screening		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
2 Waste Bins (dumpsters)		
 1 Recycling Bin (dumpster 		

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Site

Car Parking

USERS:	ACTIVITIES:
 Parents 	Parking for School Faculty and Staff plus 10%
 Community members 	 Parking for Guests – provide spaces equal to 1% of the
 Faculty/Staff 	student capacity or 10 spaces whichever is greater.

DESIGN CONSIDERATIONS:

- Separate car parking from bus traffic and car drop-off/pickup
- Car drop-off/pickup should not interfere with traffic flow to car parking
- Locate staff/visitor parking at the front of the building to promote and identify the front entrance as well as for visual surveillance from Administration.
- Provide convenient preferred parking spaces for low emission vehicles and those with special needs however, all other parking spaces should be located far enough away from the school that it is clear that priority is given to walkers, bikers, playgrounds and open space
- Locate 10 of the staff spaces near the Service Court for use by the Maintenance, Custodial and Food Service Staff

FURNITURE. FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Consecutively numbered spaces
- "Visitor" spaces
- 4 "Reserved" spaces

Owner Furnished - Contractor Installed

None

Owner Furnished - Owner Installed

None



Site

None

Car Staging/Access

3 3				
USERS:	ACTIVITIES:			
Parents/Students	Safely discharge and pick-up students from private vehicles			
DESIGN CONSIDERATIONS:				
 Accommodate 15 cars 				
The designated loading zor	ne shall provide a minimum of 60 inches wide by 240 inches long			
clear floor area adjacent to	the vehicle pull-up space with the long dimension parallel to the			
vehicle direction of travel.				
 Locate near the main entrance but so as not to interfere with bus loading. 				
FURNITURE, FIXTURES & EQ	UIPMENT:			
Contractor Furnished – Contr	ractor Installed			
None				
Owner Furnished – Contracto	or Installed			
None				
Owner Furnished - Owner Inc	stalled			



CONDIT ELEMENTARY SCHOOL

Site

Pedestrian Circulation

USERS: ACTIVITIES:				
 Staff/Faculty 	Safe and secure passage from parking/access areas to the			
 Parents 	school's indoor facilities (including T-Buildings if any) and to			
 Students 	the outdoor facilities including all athletic facilities			
 Community 				
DESIGN CONSIDERATIONS:				
	ys where anticipated foot traffic would destroy vegetation or			
where required for ADA co	•			
 Provide minimum 10'-0" wide walkways to and at Bus Staging 				
 Provide minimum 6'-0" wide walkways to and at Car Staging 				
FURNITURE, FIXTURES & EQUIPMENT:				
Contractor Furnished – Cont	ractor Installed			
 None 				
Owner Furnished – Contractor Installed				
• None				
Owner Furnished – Owner Installed				
• None				



Grassy Play Areas

USERS:	ACTIVITIES:
Students	Recess
Faculty	• PE
Community	Free Play
	Outdoor Learning Activities
DESIGN CONSIDERATIONS:	

- Provide an outdoor instructional of approximately 1000 square feet area for shared use.
- Provide 3 areas approximately 8000 square feet each for K-1, 2-3, 4-5.
- Provide 1 area approximately 1000 square feet for Pre-K.
- Areas should be relatively level but sloped to drain without need of underground drainage.
- Provide measurable space for distance running.
- Locate for ease of access from learning spaces

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

None

Owner Furnished – Contractor Installed

• None

Owner Furnished – Owner Installed

None





CONDIT ELEMENTARY SCHOOL

Site

None

Paved Play Areas

USERS:	ACTIVITIES:		
Students	Learning the fundamentals of sports		
Faculty	Practicing		
 Community 	 Exercising 		
DESIGN CONSIDERATIONS:			
 Provide paved play areas for 	or students of at least 56' x 60'		
 Locate near appropriate lea 	rning areas.		
 Paint surfaces shall with shapes, patterns and configurations for games and activities, 			
including basketball.			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
Basketball court, markings and adjustable height goals			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			



None

Playground Equipment Areas

USERS:	ACTIVITIES:				
Students	Playing				
Faculty	Outdoor Learning Activities				
DESIGN CONSIDERATIONS:					
 Provide 1 each for Pre-K, K 	-2 and 3-5				
Pre-K area to be located im	mediately adjacent to Pre-K learning and shall be enclosed by				
fencing.					
Playground areas for other	Playground areas for other grade levels shall be located near the grade level learning				
centers they serve as well as the grassy play areas.					
FURNITURE, FIXTURES & EQUIPMENT:					
Contractor Furnished – Contractor Installed					
Playground Equipment appropriate to age level					
Owner Furnished – Contractor Installed					
None					
Owner Furnished – Owner Installed					



CONDIT ELEMENTARY SCHOOL

Site

General

USERS:	ACTIVITIES:
ParentsStudentsCommunity membersFaculty/staff	Access to school and its facilities

DESIGN CONSIDERATIONS:

- All exterior signage, fencing, and railings should be included in design documents
- Flagpole should be located near the main entrance with a paved walkway to it
- Bike racks should be located to promote their use
- Fixed landscape equipment (i.e. trash cans, seating benches etc.) should be included in design documents

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- Marquee sign, directional and traffic Signage, fencing and railings
- Site lighting
- Flagpole
- Bike Racks
- Landscaping and irrigation at entry

Owner Furnished - Contractor Installed

None

Owner Furnished - Owner Installed

Flags



NEIGHBORHOODS







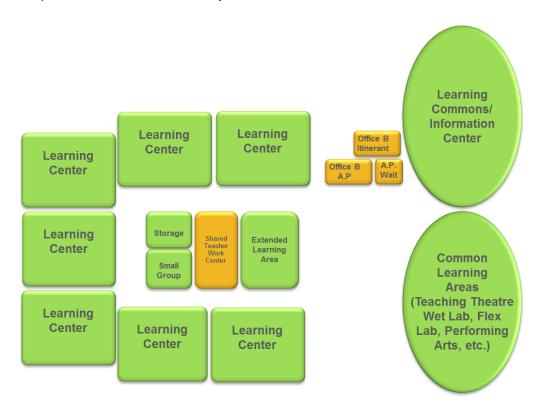
Neighborhoods

Overview:

Core academic requirements for all children are mandated by state and federal law. HISD's promise is to provide 21st Century learning environments, accordingly, the facilities shall:

- Meet the state and federal requirements
- Be safe and conducive to learning
- Create life-long learners
- Create an environment conducive to teacher retention
- · Provide for flexibility of course offerings within core academic subject areas
- Accommodate interdisciplinary learning
- Accommodate multiple intelligences and varied learning styles
- Provide effective space for collaboration and increased communication
- Provide easy access to teaching resources for anytime, anywhere learning

Each neighborhood will include collaborative spaces for students and faculty, Grade Level Learning Centers, Shared Teacher Planning area, and storage. The neighborhoods will be arranged adjacent to common learning areas (Wet Lab, Flex Lab, etc.) as well as Assistant Principal's office.



The functional relationships illustrated are diagrammatic only. Further interpretation of these relationships shall be implemented by the Design Team.





Space Requirements

	Provided Spaces			
Neighborhoods	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Learning Centers				
Pre-Kindergarten Learning Centers (individual restroom)	2	2	1,002	2,132
Kindergarten Learning Centers (individual restroom)	5	5	76	5,276
Grades 1 - 5 Learning Center	26	26	141	21,661
Small Group Room		3	108	323
Self-Contained Learning Center	1	1	832	832
Restroom/Changing Room		1	306	306
Testing/Speech/Hearing		1	150	150
Teaching Theatre (2-3 classes could gather, stepped with space for tables and chairs)		1	1,427	1,427
Table/chair storage		1	235	235
Wet Lab	1	2	1,067	2,133
Wet Lab Storage (shelving for large kits)		1	143	143
Flex Lab (Computer Lab) (30 student computers) (all screens visible to teacher)		1	1,075	1,075
Computer Storage		1	105	105
Learning Commons/Information Center/Extended Learning Areas		1	4,067	4,067
Learning Commons/Information Center Storage		1	97	97
Storage (Shared)		1	250	250
Storage		4	99	395
Total	35			40,607



Neighborhoods

Pre - Kindergarten Learning Center

3	0
USERS:	ACTIVITIES:
Teachers22-24 Students	 Mastering the core curriculum Mastering 21st Century learning skills Project-based learning Technology-based instruction Activities that stimulate inventive thinking, creativity and imagination Collaborative relationship building Working individually, in small groups and in large groups

DESIGN CONSIDERATIONS:

- An individual student restroom shall be provided in this space
- Operable partitions are permitted in this area.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds for windows
- 12 linear feet of upper and lower cabinets with sink
- Presentation Wall:
 - 1 4'x4' Tack Board
 - 1 8'x4' Marker Board
 - Tack Strips located 12" above marker/tack boards
 - 2 flag holders and map hooks
- Adjacent or Rear Wall:
 - 2 4'x4' Tack Boards (one on each side of 8'x4' Marker Board)
 - 1 8'x4' Marker Board

Owner Furnished - Contractor Installed

- Paper Towel Dispenser
- Soap Dispenser
- Toilet paper dispenser

- Presentation Cart
- Teacher Desk
- Teacher Chair with wheels
- 12 Two student desks (storage below writing surface)
- 28 Student chairs
- 1 computer table
- 1 Kidney table
- 24 student cubbies on casters 2 high 12" deep x 12" wide x 18" high (needs to be tall open locker type)
- 2 tall storage cabinets with adjustable shelving Lockable
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Electronic Whiteboard mounted on presentation wall adjacent to and at same height as marker board
- Clock



CONDIT ELEMENTARY SCHOOL

Neighborhoods

Kindergarten Learning Center

USERS:	ACTIVITIES:
Teachers22-24 Students	 Mastering the core curriculum Mastering 21st Century learning skills Project-based learning Technology-based instruction Activities that stimulate inventive thinking, creativity and imagination Collaborative relationship building Working individually, in small groups and in large groups
DECION CONCIDED ATIO	NO.

DESIGN CONSIDERATIONS:

- An individual student restroom shall be provided in this space
- · Operable partitions are permitted in this area.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds for windows
- 12 linear feet of upper and lower cabinets with sink
- Presentation Wall:
 - 1 4'x4' Tack Board
 - 1 8'x4' Marker Board
 - Tack Strips located 12" above marker/tack boards
 - 2 flag holders and map hooks
- Adjacent or Rear Wall:
 - 2 4'x4' Tack Boards (one on each side of 8'x4' Marker Board)
 - 1 8'x4' Marker Board

Owner Furnished - Contractor Installed

- Paper Towel Dispenser
- Soap Dispenser
- Toilet paper dispenser

- Presentation Cart
- Teacher stool
- Teacher Desk
- Teacher Chair
- 12 Two student desks (storage below writing surface)
- 28 Student chairs
- 2 computer tables
- 1 Kidney table
- 24 student cubbies on casters 2 high 12" deep x 12" wide x 18" high (need to be tall open locker type)
- 2 tall storage cabinets with adjustable shelving Lockable
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Electronic Whiteboard mounted on presentation wall adjacent to and at same height as marker board
- Clock



Neighborhoods

Grades 1-5 Learning Center

	0
USERS:	ACTIVITIES:
Teachers	Mastering the core curriculum
 22-24 Students 	Mastering 21st Century learning skills
	Project-based learning
	Technology-based instruction
	Activities that stimulate inventive thinking, creativity and imagination
	Collaborative relationship building
	Working individually, in small groups and in large groups
DECIGNI CONCIDED	ATIONS

DESIGN CONSIDERATIONS:

Operable partitions are permitted in this area.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds for windows
- 12 linear feet of upper and lower cabinets
- Presentation Wall:
 - 1 4'x4' Tack Board
 - 1 8'x4' Marker Board
 - Tack Strips located 12" above marker/tack boards
 - 2 flag holders and map hooks
- Adjacent or Rear Wall:
 - 2 4'x4' Tack Boards (one on each side of 8'x4' Marker Board)
 - 1 8'x4' Marker Board

Owner Furnished - Contractor Installed

None

- Presentation cart
- Teacher stool
- Teacher desk
- 2 Teacher chairs with wheels
- 24 single student desks with storage under writing surface
- 28 Student chairs
- 1 computer table
- 1 Kidney table
- 24 student cubbies on casters. Tall open double locker type. Large enough for back pack and coat storage
- 2 tall lockable storage cabinets with adjustable shelving
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Electronic Whiteboard mounted on presentation wall adjacent to and at same height as marker board
- Clock





CONDIT ELEMENTARY SCHOOL

Neighborhoods

Small Group Room

USERS:	ACTIVITIES:	
TeachersStudents	 Group meetings and work Individual study Testing	
DESIGN CONSIDERATIONS	Ŭ	
None		
FURNITURE, FIXTURES &	EQUIPMENT:	
Contractor Furnished – Contractor Installed		
4'x8' marker board		
 4'x8' tack board 		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
6 person table		
6 chairs		

Neighborhoods

Self-Contained Learning Center

USERS:	ACTIVITIES:
 4-12 students Teacher Teacher Aide(s) Itinerant Staff (Psychologist, Social Worker, Therapist, etc.) 	 Project-based learning Physical therapy (PT) Occupational therapy (OT) Social skills activities (appropriate social interaction skills, listening skills, etc.) Life skills activities (tooth brushing, personal care, career preparation, etc.)

DESIGN CONSIDERATIONS:

None

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds for windows
- 16 linear feet of upper and lower cabinets with sink
- Student Lift and Tracks
- Presentation Wall: (all items at appropriate height for age group):
 - 1 4'x4' Tack Board
 - 1 8'x4' Marker Board
 - Tack Strips located 12" above marker/tack boards
 - 2 flag holders and map hooks
- Adjacent or Rear Wall:
 - 2 4'x4' Tack Boards (one on each side of 8'x4' Marker Board)
 - 1 8'x4' Marker Board

Owner Furnished - Contractor Installed

- Soap Dispensers
- Paper Towel Dispensers

- Presentation cart
- Teacher stool
- Teacher desk
- · Teacher chair
- 12 open front 18"x24" student desks
- 18 student chairs
- 1 rectangular table, 30"x60"
- 2 computer tables
- 1 kidney table
- 12 student cubbies on casters —Tall open double locker type. Large enough for pack back and coat storage
- 2 18" seat height chairs
- 2 tall storage cabinets with adjustable shelving Lockable
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Microwave
- Refrigerator/Freezer with icemaker
- Electronic Whiteboard
- Clock



CONDIT ELEMENTARY SCHOOL

Neighborhoods

Self-Contained Learning Center – Restroom/Changing Room

USERS:	ACTIVITIES:
StudentsTeacherTeacher Aide(s)Staff	 Personal hygiene Diapering Catheterization Life skills activities (tooth brushing, personal care, career preparation, etc.)

DESIGN CONSIDERATIONS:

None

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Wall mounted storage cabinet for changing supplies near changing table
- Ceiling tracks for Student Lifts
- Mirror above sink in restroom

Owner Furnished – Contractor Installed

- Paper towel dispenser
- Soap dispenser
- Toilet paper dispenser

- Adjustable height changing table
- Mobile student lift
- Washer/Dryer

NeighborhoodsSelf-Contained Learning Center – Testing/Speech/Hearing

och-oontained Learning Ochter – resting/opecer/riearing		
USERS:	ACTIVITIES:	
 Teachers 	Individual student testing	
 Speech Therapists 	Individual work	
 Hearing specialists 	Therapy	
 Students 	Hearing analysis	
 Parents 		
DESIGN CONSIDERATIONS:		
Provide sound isolation from	m Learning Center	
FURNITURE, FIXTURES & EQ	QUIPMENT:	
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner In	stalled	
Student Desk		
Student Chair		
48" Round table		
 4 chairs 		

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HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Neighborhoods

Teaching Theatre

USERS:	ACTIVITIES:
Teachers48-75 Students	 Mastering 21st Century learning skills Project-based learning Technology-based instruction Collaborative relationship building Demonstrations Working in small groups and in large groups Testing Lecturing

DESIGN CONSIDERATIONS:

• Floor shall be tiered. Tiers to be sufficiently wide to allow for 18" deep folding tables and chairs to be arranged along with an aisle behind the chairs.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- Blinds for windows
- · Electrically operated projection screen -
- Presentation Wall:
 - 1 4'x4' Tack Board
 - 1 8'x4' Marker Board
 - Tack Strips located 12" above marker/tack boards
 - 2 flag holders and map hooks

Owner Furnished – Contractor Installed

None

- Presentation Cart
- Teacher stool
- 24 two person 18" deep folding tables with cart
- 48 stacking chairs with cart
- Electronic Whiteboard mounted on presentation wall adjacent to and at same height as marker board
- Clock
- Movable podium



Neighborhoods
Teaching Theatre Table/Chair Storage

USERS:	ACTIVITIES:
Teacher	Storing table and chair carts
Staff/Faculty	
 Students 	
DESIGN CONSIDERATIONS:	
 Size door openings to allow for 	
 Locate under teaching theater 	stairs for maximum use of space
FURNITURE, FIXTURES & EQUIF	PMENT:
Contractor Furnished – Contract	or Installed
None	
Owner Furnished - Contractor Ir	stalled
None	
Owner Furnished - Owner Instal	led
Chairs, Tables and carts alread	dy identified in previous section

CONDIT ELEMENTARY SCHOOL

Neighborhoods

Wet Lab

USERS:	ACTIVITIES:
TeacherStaff/Faculty30 Students	 Lecture, labs, computer work Technology-based instruction Chemical, physical and biological experimentation Collaborative relationship building Working individually, in small groups, and in large groups Mastering 21st Century learning skills Project-based learning Technology-based instruction Activities that stimulate inventive thinking, creativity and imagination Collaborative relationship building Demonstrations
DECICAL CONCIDED ATION	

DESIGN CONSIDERATIONS:

- Power and Data in apron of casework
- Casework to be at Grade 4 height
- Outdoor Access to hose bib and patio
- Add 2 electrical outlets (on floor) by each student tables, computer tables and teacher desk. Add ports by teacher desk.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds for windows
- Presentation Wall: (all items at appropriate height for age group):
 - 1 4'x4' Tack Board
 - 1 8'x4' Marker Board
 - Tack Strips located 12" above marker/tack boards
 - 2 flag holders and map hooks
- Casework Side walls:
 - 4 Sink cabinets and drawer/door cabinets
 - Drying racks above sinks
 - Door/shelf cabinets above sinks
- Eyewash station(s) (number determined by code)
- · Goggle cabinet with UV light for disinfecting
- Overhead mounted projector

Owner Furnished - Contractor Installed

- 2 paper towel dispensers
- 2 soap dispensers

- Portable demonstration station
- 6 6 person black top science tables.
- 30-adjustable height stools
- 3 computer tables, 30"x60"
- 6 student chairs
- 2 tall storage cabinets with adjustable shelving
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Electronic Whiteboard
- Clock
- Teacher desk and teacher chair with storage
- Glass front equipment wall storage unit with doors.
- Cubbies for students

Neighborhoods

Wet Lab Storage

Refrigerator

Tall Rolling cart for equipment storage

USERS:	ACTIVITIES:
Teacher	Teacher preparation and clean-up for lab exercises
 Staff/Faculty 	Storage of large kits and other supplies
 Students 	Science box storage
DESIGN CONSIDERATIONS:	
 Directly accessible from Wet I 	_ab
 Door to hallway 	
FURNITURE, FIXTURES & EQUI	PMENT:
Contractor Furnished - Contract	tor Installed
12 linear feet of upper and lower casework with sink	
 Drying rack over sink 	
Owner Furnished - Contractor I	nstalled
 Paper towel dispenser 	
 Soap dispenser 	
Owner Furnished – Owner Insta	lled
wall facing casework	d 18" D, adjustable height wooden shelving with rim guards on
 36"W x 84"H lockable storage 	cabinet

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HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Neighborhoods

Flex Lab

USERS:	ACTIVITIES:
Teachers30 Students	 Mastering the core curriculum Mastering 21st Century learning skills Technology-based instruction Demonstrations Working individually and in small groups Keyboarding

DESIGN CONSIDERATIONS:

- Locate power and data along perimeter sufficient for space to be used as a computer lab
- Locate adjacent to Learning Commons

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds for windows
- Presentation Wall:
 - 1 4'x4' Tack Board
 - 1 8'x4' Marker Board
 - Tack Strips located 12" above marker/tack boards
 - 2 flag holders and map hooks

Owner Furnished - Contractor Installed

None

- Presentation Cart
- 1 Teacher Chair on wheels
- 30 individual computer tables
- 30 Student chairs with storage below
- 2 tall storage cabinets with adjustable shelving (lockable)
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Electronic Whiteboard
- Clock
- Teacher Table
- Teacher stool

Neighborhoods Flex Lab Computer Storage

USERS:	ACTIVITIES:		
Teacher	Storage of computers and peripherals		
Staff/Faculty	Storage of supplies		
Students			
DESIGN CONSIDERATIONS:			
Directly accessible to Flex Lab			
 Sufficient power to recharge co 	Sufficient power to recharge computer/tablet carts (lockable doors)		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
None			
Owner Furnished - Contractor Ir	stalled		
None			
Owner Furnished – Owner Installed			
 12"D, adjustable height shelvin 	g on one wall		
36"W x 84"H lockable storage of the storage of	cabinet		

CONDIT ELEMENTARY SCHOOL

Neighborhoods

Learning Commons/Information Center

USERS:	ACTIVITIES:
 Students Faculty Staff Community members and parents for after school events 	 Learning hub to provide effective using of information and ideas for students and faculty Circulation of materials and resources in the format of print, digital and multi-media etc. Reading Research Technology based instruction for large group and small group Provide meeting areas Processing new media
DECICAL CONCIDED ATIONS.	

DESIGN CONSIDERATIONS:

- Some of this square footage will be used in a centralized location for print materials. Some will be used to create extended learning areas (ELA's) for wireless research.
- Utilize wall ledge areas for computers
- Locate close to restroom

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- Blinds for windows
- Adjustable shelving for books. Locate tall shelving on room perimeter. Shelf units to be no
 wider than 36". Provide both 60-70"H (on perimeter only) and 42"H units. Perimeter units
 shall be detailed and coordinated with electrical to provide for outlets in the toe space. 42"H
 units should be double sided and on large casters. (modular, not fixed)
- Display cases with glass shelving for student artwork and other displays. If possible provide at corners where bookcases may meet to avoid wasted space
- Circulation desk (modular, not fixed):
 - 2 task chairs
 - Drawer/door base cabinets & low shelving behind circulation desk with work space for processing
 - Work station for computer terminals and printer. Provide grommets for wire managements
 - Multi-level check in/out counter
 - Book drop-off with depressible book truck
- Network capabilities for access to programs and on-line card catalog

Owner Furnished - Contractor Installed

• None

- Soft seating: chairs and tables for 18
- Clock
- Atlas/ Map Table 30" wide, with 4 pull out shelves
- 8 Four student tables (round)
- 6 computer tables (with lockable storage)
- Printer table
- 56 (32+24) chairs
- Electric White board
- Large Screen with projector





Learning Commons/Information Center – Extended Learning Center

USERS:	ACTIVITIES:
 Students Faculty Staff Community members and parents for after school events 	 Reading Research Technology based instruction for large group and small group Provide meeting areas

DESIGN CONSIDERATIONS:

 Some of the square footage for these spaces will be from the Learning Commons/Information Center.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- Continuous marker surface on one wall
- Blinds for windows
- Provide charging stations and network access to support 1:1 computing to support

Owner Furnished - Contractor Installed

None

- Tables
- Chairs
- · Soft seating
- Clock





CONDIT ELEMENTARY SCHOOL

Neighborhoods

Learning Commons/Information Center Storage

USERS:	ACTIVITIES:
Media SpecialistFacultyStaff	Storage Laminating
	•

DESIGN CONSIDERATIONS:

- Directly accessible from Learning Commons
- Provide visual supervision of Learning Commons

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds for windows
- Maximum LF of cabinets on 1 walls, drawer/door cabinets and wall-mounted door/shelf cabinets
- 4'x4' marker board
- 4'x4' tack board

Owner Furnished - Contractor Installed

None

- 2 4-shelf bookcases, 60"h x 36"w x 12"d
- 2 4-drawer vertical files, letter size, lockable
- 2 mobile book trucks

Neighborhoods

Storage

USERS:	ACTIVITIES:	
Faculty	Storing instructional materials and supplies	
 Teachers 	 Securing and charging mobile computer cart(s) 	
DESIGN CONSIDERATIONS:		
 Provide sufficient power to 	charge computer/tablet carts	
 Door must be lockable 		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Conf	tractor Installed	
4'x4' tack board		
Owner Furnished – Contract	or Installed	
None		
Owner Furnished – Owner In	stalled	
 Maximum LF of heavy-dut 	y 18"D adjustable shelving	









PERFORMING ARTS



HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL – MAY 12, 2014



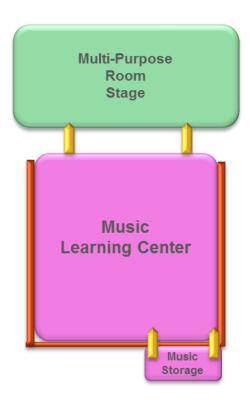
Performing Arts

Overview:

The arts are fundamental to communicating and understanding not only ourselves, but others. Through performing arts students build a value system in which they learn self-discipline and responsibility. Important 21st Century skills enhanced by arts education include creativity, innovation, critical thinking, cooperative decision making, leadership, and capacity of problem-posing and solving. Performing Arts learning centers should:

- Provide for flexibility of course offerings
- Be accessible after regular school hours
- Create an environment conducive to creativity

The Performing Arts Learning Centers should be located adjacent to performance spaces – stage at cafeteria, auditorium, etc. and be in proximity to the Visual Arts to encourage collaboration.



Legend

Physical connection
Visual connection

Physical and/or acoustic separation

The functional relationships illustrated are diagrammatic only. Further interpretation of these relationships shall be implemented by the Design Team.





CONDIT ELEMENTARY SCHOOL

Space Requirements

	Provided Spaces				
Performing Arts	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided	
Music Learning Center (locate behind stage with connection)		1	983	983	
Music Storage/Library		1	156	156	
Total	0			1,139	

Performing Arts

Music Learning Center

USERS:	ACTIVITIES:
 Music Instructors/Director(s) Students 	 Developing technical music skills through individual work, group work and performances Choir/Vocal Classes Recitals Meeting area for community Recording of performances Music theory instruction

DESIGN CONSIDERATIONS:

- Provide acoustical treatments.
- Perimeter walls of the entire music suite and the walls of the instructional spaces shall be min. STC-60. Other walls within the suite shall be min. STC-45.
- Sound-rated door should share the same rating as the walls.
- Located adjacent to Multipurpose Room with physical connection to the stage.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Provide 2 marker boards, one with permanent music staff markings.
- 2 4'x4' tack boards
- Sink

Owner Furnished - Contractor Installed

- · Paper towel dispenser
- Soap dispenser

- 30 stackable posture chairs
- Instrumental music risers Flexible (Flipforms by Wenger)
- Small stand carts for risers
- Teacher's desk
- Teacher's chair
- 1 Conductor's podium: double podium with rail
- 2 music folio cabinets
- Piano
- Radio
- Sound System with speakers (able to play CDs and IPod)
- Microphone
- Clock





CONDIT ELEMENTARY SCHOOL

Performing Arts

Music Learning Center - Music Storage/Library

USI	ERS:	ACTIVITIES:
•	Instrumental Music Directors Students	Storing and sorting music

DESIGN CONSIDERATIONS:

- Perimeter walls of the entire music suite and the walls of the instructional spaces shall be min. STC-60. Other walls within the suite shall be min. STC-45.
- Sound-rated door should share the same rating as the walls.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- 4'x4' marker board
- 4'x4' tack board
- Maximum LF of heavy-duty, adjustable, wall-mounted shelving above file cabinets for additional storage

Owner Furnished - Contractor Installed

None

- Music sorting cabinet
- 3 qty 4-drawer vertical file cabinets
- 24"x36" table
- 2 chairs
- Instrument Storage (either shelving or free standing cabinets)
- Hanging rod for costume and prop storage
- Cabinets for costume and prop storage



VISUAL ARTS



HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL – MAY 12, 2014





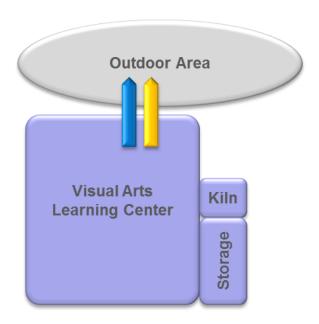
Visual Arts

Overview:

The arts are fundamental to communicating and understanding not only ourselves, but others. Through the arts we learn to appreciate and to create things of beauty. Important 21st Century skills enhanced by arts education include creativity, innovation, critical thinking, cooperative decision making, leadership, and capacity of problem-posing and solving. Visual Arts Learning Centers should:

- Provide a view to the outdoors
- Provide for flexibility of course offerings
- Be easy to clean
- Create an environment conducive to creativity

The Visual Arts should be located in proximity to the Performing Arts to encourage collaboration.



Legend Physical connection Visual connection Physical and/or acoustic separation

The functional relationships illustrated are diagrammatic only. Further interpretation of these relationships shall be implemented by the Design Team.





CONDIT ELEMENTARY SCHOOL

Space Requirements

	Provided Spaces			
Visual Arts	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Visual Arts Wet Lab		1	983	983
Kiln Room		1	64	64
Storage Room		1	144	144
Total	0			1,191



Visual Arts

Visual Arts Learning Center

USERS:	ACTIVITIES:
Teachers	Creative individual and group activities
Students	Learning/researching art history/artist
	Discussions on Art criticism
	 Learning/practicing drawing, painting, embossed prints,
	ceramics, sculptures, etc

DESIGN CONSIDERATIONS:

- Need area for arranging still lifes with track lighting.
- Outdoor Access
- Northern exposure preferred

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- Blinds for windows
- Presentation Wall: (all items at appropriate height for age group)
 - 4'x4' marker boards (one on each side of Electronic Whiteboard)
 - 24' tack strip located 12" above marker/tack boards
 - Flag holders and map hooks
- Adjacent or Rear Wall: (all items at appropriate height for age group)
 - 8' marker board with tack strip
 - 4' tack boards
- Casework Side wall:
 - Sink cabinet with sink projecting from front edge of casework to allow access from 3 sides
- Door/shelf cabinets above sink (Large Deep sinks with Gooseneck Faucets)
- Shelving above marker boards and windows for project display
- 1 wall with continuous tackable surface

Owner Furnished - Contractor Installed

- Paper towel dispenser
- Soap dispenser

- Teacher demonstration table, 30"x60", adjustable height, with chemical resistant top
- Tall teacher stool
- Student Area
 - 32 student adjustable height stools
 - 8 art tables, 42"x60", with chemical resistant tops (1 to be used for still life set-up)
 - 2 computer tables, 30"x60"
- Electronic Whiteboard
- 2 tall storage cabinets with adjustable shelving
- Portfolio cabinets
- Double-sided mobile drying rack
- 2 mobile paper racks
- 55-tray tote tray cabinet
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Shallow drawer cabinet (must accommodate 24" x 46" paper)
- Display cabinets for hallway





CONDIT ELEMENTARY SCHOOL

Visual Arts

Kiln Room

USERS:	ACTIVITIES:			
Art teacher	Storing greenware.			
	Firing items in kiln.			
DESIGN CONSIDERA	TIONS:			
• None				
FURNITURE, FIXTUR	ES & EQUIPMENT:			
Contractor Furnished	- Contractor Installed			
Electric kiln				
Owner Furnished - C	ontractor Installed			
 None 				
Owner Furnished - C	wner Installed			
 Greenware cabine 	t with doors			



Visual Arts

Storage Room

Visual Arts Learning Center

0					
USERS:	ACTIVITIES:				
Art teacher	Storing and maintaining art supplies.				
DESIGN CONSIDERATIONS	S:				
None					
FURNITURE, FIXTURES & E	EQUIPMENT:				
Contractor Furnished – Con	ntractor Installed				
None					
Owner Furnished – Contract	ctor Installed				
None					
Owner Furnished – Owner	Installed				
Maximum LF of heavy-du	uty, adjustable height shelving – 50% 18" d, 25% 24" d, 25% 12" d.				
3-shelf mobile cart with re	ecessed top well for moving supplies between Art Storage and				

55







PHYSICAL EDUCATION



HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL – MAY 12, 2014

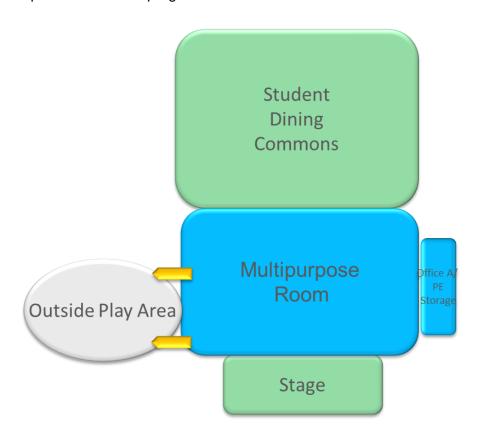


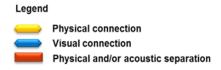
Physical Education

Overview

The mission of HISD's Health and Physical Education programs is to provide a framework of knowledge, practices and skills to positively impact student's health and physical well-being. Health Education focuses on the development of wellness lifestyles by addressing knowledge, attitudes, behaviors and skills for healthy living. Physical Education programs focus on personal fitness through participation in leisure and lifetime activity that lead to self-responsibility, teamwork, sportsmanship, and leadership.

Community use and involvement with the Physical Education program is needed and encouraged through the availability of indoor and outdoor facilities when not being used as part of the school program.





The functional relationships illustrated are diagrammatic only. Further interpretation of these relationships shall be implemented by the Design Team.



CONDIT ELEMENTARY SCHOOL

Space Requirements

	Provided Spaces			
Physical Education	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Multipurpose Activity Room		1	2,995	2,995
Stage		1	736	736
Office		1	104	104
PE Equipment Storage		1	250	250
Total	0			4,085



Physical Education

Multipurpose Room

USERS: ACTIVITIES:	
 PE Teachers/Coaches Students Parents Community Groups Staff Sports teams 	 Physical education classes and activities Fitness/health presentations School assemblies Performances Community sports activities/events
DECICAL CONCIDED ATIONS	_

DESIGN CONSIDERATIONS:

- Locate adjacent to and separate from dining with an operable partition.
- Access to outdoor play area

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- 2 backboards (Wall mounted, adjustable height basketball backboards)
- Floor markings for: basketball and volleyball, also include a large 33 ft diameter circle in center of floor
- Continuous pads on end walls
- Wall padding
- Sound proof tiles
- Water fountains
- Stage lighting on ceiling
- Speakers (2 at front and 2 at rear)

Owner Furnished - Contractor Installed

Clock

Owner Furnished – Owner Installed

Overhead projector (ceiling mounted)



CONDIT ELEMENTARY SCHOOL

Physical Education

Stage

USERS:	ACTIVITIES:
Students	Student Performances
Faculty	School Assemblies
Parents	Drama Rehearsals
Community	Dance Rehearsals
	Community Meetings

DESIGN CONSIDERATIONS:

- Locate close to Music Learning Center with connecting hallway
- · Provide acoustical treatment
- Consider under stage storage for risers

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- Motorized Projection Screen
- Curtains front, sides and back
- Mirrors behind curtains on back wall of stage for potential use as a dance room
- · Lighting for stage

Owner Furnished – Contractor Installed

None

- Microphones
- Podium
- No wall padding
- Sound system with controls
- Risers- consider under stage storage for risers



Physical Education

Office A/ P.E. Equipment Storage

USERS:	ACTIVITIES:
Staff/FacultyClerical Support StaffStudentsParentsPE Teachers	 Lesson preparation and evaluation Preparation of correspondence, reports and other administrative tasks Private conferences Storing and retrieving equipment used for physical education classes

DESIGN CONSIDERATIONS:

• Floors need to be level and transition strip should be low profile to allow for easy movement of heavy equipment on carts.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- Blinds on windows
- 4'x4' marker board
- 4'x4' tack board

Owner Furnished - Contractor Installed

None

- Double pedestal desk with center drawer & lock, 60" x 30"
- Task chair
- 2 guest chairs
- 4-shelf bookcase, 52"H x 36"W x 15"D
- 4-drawer vertical file, letter size, lockable
- Heavy-duty adjustable shelving on 3 walls. Lower shelf 24"D. Upper shelves to ceiling 18"D. Locate bottom shelf on 2 walls 48" AFF for ball carts and mats.
- Provide pegboard on 1 wall for hanging jump ropes, hula hoops, etc.









ADMINISTRATION / GUIDANCE



HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL – MAY 12, 2014



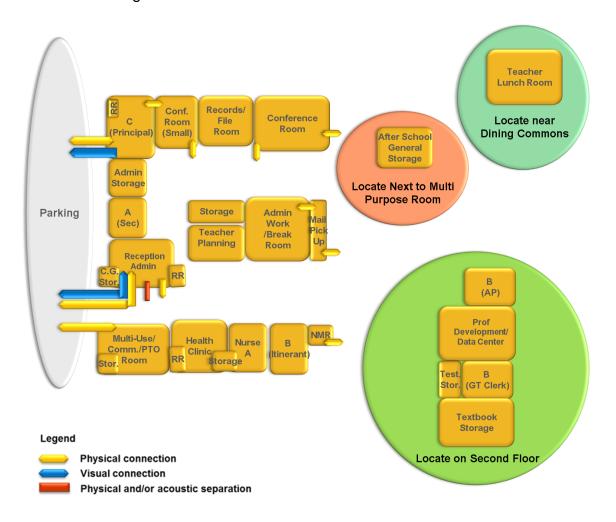
Administration

Overview:

These facilities are most community member's first introduction to the School. As such, they must not only be inviting, professional and businesslike but also serve as the secure checkpoint prior to visitors entering the school.

- Provide a secure entrance
- Provide privacy for confidential discussions
- Store student and financial records
- Serve as the communications hub of the school
- Provide a readily accessible location for the School Clinic
- Provide spaces for receiving and distributing incoming mail and packages

The entrance to the Administration suite shall be located adjacent to the front door of the school. Satellite Administration offices should be located adjacent to the various neighborhoods.



The functional relationships illustrated are diagrammatic only. Further interpretation of these relationships shall be implemented by the Design Team.



CONDIT ELEMENTARY SCHOOL

Space Requirements

	Provided Spaces			
Administration	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Administration				
Reception, Administration		1	500	500
Office A (Registrar/Secretary) (include small safe)		1	96	96
Office C (Principal) (with restroom)		1	263	263
Office B (Assistant Principal) (2nd floor)		1	120	120
Office B (GT Clerk) (Locate with AP on 2nd floor)		1	120	120
Office B (Itinerant - near Clinic)		1	118	118
Conference Room, Main (edge of Administration, adjacent to a main corridor, 12-16 people)		1	263	263
Conference Room, Small (connect with Principal Office)		1	165	165
Data Room (protected, accessible for teachers and staff only, include workstation with scanner)		1	180	180
Testing Storage/Checkout Room (2nd floor, connect with Data Room, must be lockable, not on Grand Master)		1	71	71
Records/File Room		1	171	171
Administration Workroom/Break Room		1	227	227
Mail Pick Up Area		1	72	72
Storage, Administration		1	132	132
Storage, Textbook (could be on 2nd floor adjacent to GT Clerk)		1	396	396
Clinic		1	273	273
Storage Room		1	50	50
Clinic Office A		1	76	76
Clinic Restroom		1	61	61
Shared				
Teacher Lunch Room (near Dining Commons)		1	554	554
New Mother's Room (accessible from corridor, small refrigerator)		1	50	50
Teacher Planning		1	156	156
After School/General Storage (locate centrally)		1	58	58
Crossing Guard Storage (near main entrance)		1	52	52
Multi-use/Community Room/School Store (roll up window into corridor with counter)		1	362	362
Storage Closet (Fall Carnival, Field Day, Garden Equipment)		1	193	193
Total	0			4,779



Administration

Reception, Administration

USERS:	ACTIVITIES:	
ParentsStudentsCommunity membersFaculty/staff	 Greeting and welcoming people and directing them to the proper location or person Waiting/seating area for visitors, students, and staff members Controlling entrance to the school 	

DESIGN CONSIDERATIONS:

- All visitors must pass through reception to enter school
- Use modular furniture for the circulation desk. A portion shall be at height to meet accessibility requirements. Provide 3 work stations at the reception desk.
- Provide Unisex family restroom off of reception area.
- Provide solid metal roll up security grille at reception with panic button.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

None

Owner Furnished - Contractor Installed

None

- Modular reception desk with work stations to include:
 - 30"D x 30'H x 10-12 LF work surface (section with reduced height for greeting children/ ADA compliance).
 - Half of the reception desk should have a transaction counter 1'D x 42"H with a maximum of 6" overlapping work surface
 - Rear work surface 30"D x 30"H
- Work surfaces should have lockable built-in storage below including a combination of 6"D
 and file drawers (at least 4) as well as cabinets with adjustable shelving
- Guest chairs and sofa
- Side tables
- Video Display at least 55" screen
- Wall mounted rack for flyers and notices
- Clock
- Round Table for 4
- 4 chairs
- 2 additional work stations
- 3 office chairs on wheels





CONDIT ELEMENTARY SCHOOL

Administration

Office A (Registrar/Secretary)

USERS:	ACTIVITIES:
Staff/FacultyClerical Support StaffStudentsParents	 Assisting in administrative record keeping Preparation of correspondence, reports and other administrative tasks Private conferences
DESIGN CONSIDED ATION	c.

DESIGN CONSIDERATIONS:

None

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- Blinds on windows
- 4'x4' marker board
- 4'x4' tack board

Owner Furnished - Contractor Installed

None

- 4 guest chairs
- 36" round table
- 4-shelf bookcase, 52"H x 36"W x 15"D
- 4-drawer vertical file, letter size, lockable
- Small safe –secured to wall or floor



Administration

Office C (Principal)

USERS:	ACTIVITIES:
Principal	Conducting administrative duties
Students	Preparing correspondence and reports
Parents	Meeting with parents, students and other visitors
	Placing phone calls

DESIGN CONSIDERATIONS:

- Locate with view to school entry drive.
- Locate so Principal can leave Administration Suite without being seen from reception.
- Should have direct access to large conference room

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds on windows
- 4'x4' marker board
- 4'x4' tack board

Owner Furnished - Contractor Installed

None

- Double pedestal desk with center drawer & lock, 60" x 30"
- Credenza
- Task chair
- 4 guest chairs
- 48" conference table
- Video Display
- 2 4-shelf bookcases, 52"H x 36"W x 15"D
- 4-drawer vertical file, letter size, lockable





CONDIT ELEMENTARY SCHOOL

Administration/Guidance

Principal's Restroom

None

USERS:	ACTIVITIES:		
 Principal 	Personal hygiene		
 Visitors 			
Staff			
DESIGN CONSIDERATIONS			
None			
FURNITURE, FIXTURES & E	FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed			
• Mirrors			
Owner Furnished – Contractor Installed			
Paper towel dispenser			
Soap dispenser			
Toilet paper dispenser			
Owner Furnished – Owner Installed			

Administration

Office B (AP)

USERS:	ACTIVITIES:
Staff	Conducting administrative tasks
Teachers	Preparing correspondence and reports
Assistant Principal	 Creating and documenting new and existing students
Students	 Meeting with parents, students and other visitors
 Parents 	Placing phone calls
DESIGN CONSIDED ATIONS:	

DESIGN CONSIDERATIONS:

• Locate with neighborhoods on second floor

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- Blinds on windows
- 4'x4' marker board
- 4'x4' tack board

Owner Furnished - Contractor Installed

None

- Double pedestal desk with center drawer & lock, 60" x 30"
- Task chair
- 2 guest chairs
- Credenza
- 4-shelf bookcase, 52"H x 36"W x 15"D
- 4-drawer vertical file, letter size, lockable



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HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Administration

Office B (GT Clerk)

USERS:	ACTIVITIES:
 Staff Teachers Assistant Principal Students Parents 	 Greeting and welcoming people Waiting/seating area for visitors, students, and staff members Conducting administrative tasks Preparing correspondence and reports Creating and documenting new and existing students Meeting with parents, students and other visitors
	Placing phone calls

DESIGN CONSIDERATIONS:

- Locate on second floor with Assistant Principal
- Locate adjacent to testing room storage and textbook storage room

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds on windows
- 4'x4' marker board
- 4'x4' tack board

Owner Furnished - Contractor Installed

None

- Double pedestal desk with center drawer & lock, 60" x 30"
- Task chair
- 2 guest chairs
- Credenza
- 4-shelf bookcase, 52"H x 36"W x 15"D
- 4-drawer vertical file, letter size, lockable

Administration/Guidance

Television and electronic whiteboard

Conference Room, Main

Conference Room, Main			
USERS:	ACTIVITIES:		
Principal	Meetings/Conferences between Faculty/Staff and Students, Paranta and Community.		
Staff/Faculty	Parents and Community		
 Parents/Students 			
 School Support Groups 			
(PTO, etc.)			
DESIGN CONSIDERATIONS:			
 Locate on the edge of Admir 	nistration Suite, adjacent to a main corridor		
FURNITURE, FIXTURES & EQI	UIPMENT:		
Contractor Furnished – Contra	Contractor Furnished – Contractor Installed		
Blinds on windows			
Marker and tack board in cabinet			
Owner Furnished – Contractor	r Installed		
• None			
Owner Furnished – Owner Installed			
Credenza			
Conference table for 12 – 16 people			
• 12 -16 Swivel, tilt armchairs			



CONDIT ELEMENTARY SCHOOL

Administration/Guidance

• Electronic display and/or electronic whiteboard

Conference Room, Small

USERS:	ACTIVITIES:
Staff/Faculty	Meetings/Conferences between Faculty/Staff and Students,
 Parents 	Parents and Community
 School Support Groups 	
(PTO, etc.)	
DESIGN CONSIDERATIONS:	
 Provide direct access from 	Principal's Office
FURNITURE, FIXTURES & EQ	UIPMENT:
Contractor Furnished - Contr	actor Installed
 Blinds on windows 	
· Marker and tack board in ca	binet
Owner Furnished - Contracto	r Installed
• None	
Owner Furnished – Owner Ins	stalled
Credenza	
· Conference table for 6 peop	le
6 Swivel tilt armchairs	

Administration/Guidance

Storage Room

USERS:	ACTIVITIES:	
Guidance Clerk	Storing office supplies	
Counselors	 Storing educational materials 	
Administrators'		
Office Staff		
DESIGN CONSIDERATIONS:		
Provide power outlet for computer charging		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
• None		
Owner Furnished – Contractor Installed		
• None		
Owner Furnished – Owner Installed		
Maximum LF of heavy duty adjustable shelving		



CONDIT ELEMENTARY SCHOOL

Administration

shelves per unit)

Textbook Storage Room

3	
USERS:	ACTIVITIES:
Guidance Clerk	Storing textbooks
Counselors	Storing educational materials
Administrators'	
Office Staff	
DESIGN CONSIDERATIONS:	
 Locate on 2nd floor close to 	GT Clerk and near elevator
FURNITURE, FIXTURES & EQ	QUIPMENT:
Contractor Furnished - Cont	ractor Installed
None	
Owner Furnished – Contracto	or Installed
None	
Owner Furnished – Owner In	stalled
 Maximum LF of heavy duty adjustable shelving along wall and interior tall shelving racks (6 	

Administration

Health Clinic

USERS:	ACTIVITIES:
School nurse	Treating ill or hurt students
Staff	Conducting medical exams/screening
 Students 	Dispensing medications
 Parents 	Waiting area for ill students prior to being picked up
DESIGN CONSIDER ATION	NS.

- Visual connection between Nurses' Office and Clinic
- Hallway access
- Close to school reception area.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds on all windows
- Sink cabinet with single deep sink
- 4 LF of Drawer/door cabinets lockable
- 6 LF Door/shelf wall cabinets

Owner Furnished – Contractor Installed

- Paper towel dispenser
- Soap dispenser

- 2 Cot/exam table
- Adjustable height stool
- · Locking refrigerator with ice maker
- Biohazard disposal can
- · Medical sharps waste disposal
- 2 guest chairs
- Defibrillator
- Stackable washer/dryer
- Clock





CONDIT ELEMENTARY SCHOOL

Administration

Health Clinic - Office A

USERS:	ACTIVITIES:
School nurseStaffStudentsParentsVisitors	 Consultation by nurse with students, parents and staff Record-keeping and paperwork Working with student health files

DESIGN CONSIDERATIONS:

• Visual connection between Nurses' Office and Health Clinic

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Blinds on windows
- 4'x4' marker board
- 4'x4' tack board

Owner Furnished – Contractor Installed

- File cabinet
- Literature rack

- Double pedestal desk with center drawer & lock, 60" x 30"
- Credenza
- Task chair
- 2 guest chairs
- 4-shelf bookcases, 52"H x 36"W x 15"D
- 4-drawer vertical file, letter size, lockable

Administration

None

Health Clinic - Restroom

USERS:	ACTIVITIES:	
Staff	Restroom activities	
Students	Hand Washing	
Faculty	Personal hygiene	
Visitors		
DESIGN CONSIDERATIONS:		
• None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
• Mirror		
Toilet paper dispenser		
Toilet seat cover dispenser		
Coat hook		
Owner Furnished – Contractor Installed		
Paper towel dispenser		
Soap dispenser		
Owner Furnished – Owner Installed		



CONDIT ELEMENTARY SCHOOL

Administration

Health Clinic Storage Room

USERS:	ACTIVITIES:	
Guidance Clerk	Storing medical supplies	
 Nurse 	Storing medicine	
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
• None		
Owner Furnished – Contractor Installed		
• None		
Owner Furnished – Owner Installed		
Maximum L F of heavy duty adjustable shelving		
Lockable medicine storage		



Administration

Shared - Crossing Guard Storage Room

USERS:	ACTIVITIES:	
Crossing Guards	Storing crossing guard materials	
 Administrators' 		
Office Staff		
DESIGN CONSIDERATIONS:		
 Locate near main entrance 		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
• None		
Owner Furnished – Owner Installed		
Maximum L F of heavy duty adjustable shelving		
Provide wall hooks for safety yests (ID hooks)		



CONDIT ELEMENTARY SCHOOL

Administration

Shared General/After School Storage Room

Charac Constant that Consol Clarage Hoom		
USERS:	ACTIVITIES:	
Guidance Clerk	Storing supplies	
 Counselors 	Storing after school program materials	
Administrators'		
Office Staff		
After School Staff		
DESIGN CONSIDERATIONS:		
Locate adjacent to Multipurpose Activity Room		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
• None		
Owner Furnished – Contractor Installed		
• None		
Owner Furnished – Owner Installed		
Maximum LF of heavy duty adjustable shelving		



Administration/Guidance

Records/File Room

USERS:	ACTIVITIES:
Guidance Clerk	Storing and retrieving student records
 Counselors 	
 Administrators 	
DESIGN CONSIDED ATIONS.	

DESIGN CONSIDERATIONS:

- Room should be treated as a 1 hour fire-rated enclosure.
- Install power outlets

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- 4'x4' marker board
- 4'x4' tack board
- Maximum LF of heavy-duty, adjustable, wall-mounted shelving above filing cabinets for additional storage

Owner Furnished - Contractor Installed

None

- 24"x36" table
- · 2-door lockable storage cabinet
- Side chair
- 10 5-drawer vertical file cabinets





CONDIT ELEMENTARY SCHOOL

Administration

Shared - Teacher Lunch Area

USERS:	ACTIVITIES:
Teachers	Lounging
	Eating

DESIGN CONSIDERATIONS:

Locate near Dining Commons

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- 4'x4' marker board
- 4'x4' tack board
- Sink
- Upper & lower cabinets

Owner Furnished - Contractor Installed

- Soap dispensers
- Towel dispensers

- Chairs (12)
- Tables (large)
- Vending machines 2 drink & 1 snack (vendor provided)
- · Refrigerator with ice maker
- Microwave
- Sofa/ Soft seating
- Clock

Administration/Guidance

Mail Pick Up

USERS:	ACTIVITIES:		
Faculty	Picking up mail		
Staff	Reading notices		
	Dropping off mail		
DESIGN CONSIDERATIONS:			
 Provide in/out doors off of s 	Provide in/out doors off of secondary corridor.		
 Mailboxes provide separation 	Marilla and the Color of the Co		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
4'x8' tack board			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
• None			

NOTES OF STREET

HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Administration

Workroom/Break Room

USERS:	ACTIVITIES:
Faculty	Copying
Staff	Collating
 Volunteers 	Preparing communications for mailing
 Parents 	Laminating, book making, poster making
	General office work
	Storing and retrieving supplies
	Mail delivery and retrieval

DESIGN CONSIDERATIONS:

Mail slots should open directly to mail pick up room.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- · Blinds on windows
- 4'x4' marker board
- 4'x4' tack board
- 65 14"W x 9"H x 18"D pass through mail slots with 24"D adjustable shelving below for packages
- Approximately 10 LF of casework with countertop, sink cabinet, drawer/door base cabinets and door/shelf wall cabinets
- Large counter (standing height) in the middle of the space for sorting (with a stack of flat file drawers and drawer/door cabinets).

Owner Furnished - Contractor Installed

- Paper towel dispenser
- Soap dispenser

- 36" x 72" folding work table
- Refrigerator with icemaker
- 4 Chairs
- 2- 18" x 32" rectangular tables
- Microwave
- Copier
- · Coffee maker
- Large paper cutter
- Lamination machine
- Computer
- Printer
- 1 small computer desk



Administration

Shared -Data Room

USERS:	ACTIVITIES:
Teachers	Keeping track of student progress and activity
 Administrators 	 Professional teacher training, development and in services
DESIGN CONSIDERATIONS:	
Locate on second floor	
Room must be protected, accessible by teachers and staff only	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
2 walls continuous tackable surface	
2 walls continuous marker surface	
Owner Furnished – Contractor Installed	
None	
Owner Furnished – Owner Installed	
1 – large conference table	
10 - Swivel, tilt, chairs	
1 - 2-door lockable storage cabinet	
1 -5-drawer vertical file cabinets	
Television and/or Electronic marker Board	
Workstation with scanner	



CONDIT ELEMENTARY SCHOOL

Administration

Testing Storage/Checkout Room

USERS:	ACTIVITIES:
GT ClerkCounselorsAdministrators	Storing and retrieving testing materialsChecking and Returning out testing materials

DESIGN CONSIDERATIONS:

- Locate adjacent to the Data Room and GT Clerk on 2nd floor
- Must be lockable and not on Grand Master

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- 4'x4' marker board
- 4'x4' tack board
- Maximum LF of heavy-duty, adjustable, wall-mounted shelving above filing cabinets for additional storage

Owner Furnished - Contractor Installed

None

- 24"x36" table
- 2-door lockable storage cabinet
- Side chair
- 10 5-drawer vertical file cabinets

Administration

Shared – Office B (Itinerant)

4-shelf bookcase, 52"H x 36"W x 15"D 4-drawer vertical file, letter size, lockable

Onarca Onioc B (mine	nant)
USERS:	ACTIVITIES:
Staff	Administrative tasks
Students	Preparation of correspondence and reports
 Parents 	Creating and documenting new and existing students
	Meeting with parents, students and other visitors
DESIGN CONSIDERATIONS:	
Locate by administration offices	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
Blinds on windows	
4'x4' marker board	
4'x4' tack board	
Owner Furnished – Contractor Installed	
None	
Owner Furnished – Owner Installed	
Double pedestal desk with center drawer & lock, 60" x 30"	
Task chair	
2 Guest chairs	

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HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Administration/Guidance

Shared - Multi-Use/Community Room/School Store

USERS:	ACTIVITIES:
 Community Members Principal Staff/Faculty Parents/Students School Support Groups (PTO, etc.) 	 Meetings/Conferences between Faculty/Staff and Students, Parents and Community Storefront for school store and Accelerated Reader Program Work area for PTO programs and events

DESIGN CONSIDERATIONS:

- Room needs to have a Roll Up Window into corridor with counter top and an exterior facing roll up window
- Locate near front entry

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Approximately 10 LF casework including, sink, sink cabinet, door base and wall cabinet
- Blinds on windows
- Marker board
- Tack board
- Exterior- facing serving window in rear of the room (4 foot window with 2 foot sliding door)

Owner Furnished – Contractor Installed

- Paper towel dispenser
- Soap dispenser

- 2 door locking storage cabinet
- 3, 30 x 60 computer work tables
- · 8 task chairs
- 2 4 modular tables for easy rearrangement depending on room use (18" x 48")
- 8 stackable chairs
- Safe wall or floor mounted
- 2 18" depth glass display cabinets under roll up window (accessible inside, facing outward, lockable. This area is a separate lockable space within to PTO storage room) (AR store and school store items)
- Maximum LF of heavy-duty, adjustable, wall-mounted shelving on one wall (floor to ceiling)
- Ice Maker



Administration

Maximum LF of heavy duty adjustable shelving

Shared – Multi-Use/Community Room/School Store – Storage Room

USERS:	ACTIVITIES:
 Community Members Principal Staff/Faculty Parents/Students School Support Groups (PTO, etc.) 	 Storing PTO supplies Storing school store supplies
DESIGN CONSIDERATIONS:	
Locate inside of Multi-Use/Community room. Locate close to exterior door.	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
None	
Owner Furnished – Contractor Installed	
• None	
Owner Furnished – Owner Installed	



CONDIT ELEMENTARY SCHOOL

Administration

Shared – New Mother's Room

Shared New Mother 5 Room	
USERS:	ACTIVITIES:
 Parents 	Nursing
 Teachers/Staff 	
DESIGN CONSIDERATIONS:	
Locate near or accessible to main corridor.	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
Blinds for internal and external windows.	
4'x4' tack board	
1 – duplex outlet	
Owner Furnished – Contractor Installed	
None	
Owner Furnished – Owner Installed	
1 – comfortable upholstered chair	

- 1 chair side table
- 1 small refrigerator
- 1 wall mounted magazine rack

Administration

Shared - Teacher Planning

Charca reacher rian	Shared reacher harming	
USERS:	ACTIVITIES:	
Teachers	Meetings	
	Collaboration	
	Preparing lesson documents	
	Teacher supply storage	
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
4'x4' marker board		
4'x4' tack board		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
6 Swivel, tilt armchairs		
Television and/or electronic whiteboard		
• Copier		
Table		
Cabinet		







FOOD SERVICE



HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL – MAY 12, 2014





Food Service

Overview:

School Food Service Trends

Source: National Food Service Management Institute

Purchasing food service equipment and/or planning new and renovated school nutrition facilities can be one of the most challenging projects for school administrators. Success with these projects can be achieved by communicating with professionals in the industries of school food and nutrition, engineering, and architecture.

There are many aspects that need to be considered. When you take into account the rapidly changing architecture technology, the constantly evolving school food nutrition requirements, and student preferences, it is essential to design school cafeterias that are functionally sound, financially and operationally efficient, and student relevant.

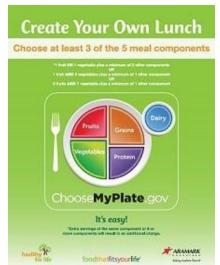
A state-of-the-art school cafeteria and operation can make a significant impact on student participation in the child nutrition program and thereby on student performance.

Furthermore, with the increase in the number of summer or after-school feeding programs across the country, and especially in urban settings, school cafeterias are evolving into areas for community centers, parent open houses, and other common meeting places, acting as living rooms for the broader community we serve.

Key Considerations in Designing a Successful School Food Operation and Cafeteria

Increased Emphasis on Health and Wellness

• The Healthy, Hunger-Free Kids Act of 2010, championed by First Lady Michelle Obama and signed by President Obama, authorizes funding and sets policy for the United States Department of Agriculture (USDA) core child nutrition programs, including the National School Lunch Program and National School Breakfast Program. Through this Act, the USDA made the first major changes in school meals in 15 years to help ensure a healthier generation of children. These changes are intended to significantly benefit the long-term well-being and success of today's students.



• Even prior to the Healthy, Hunger-Free Kids Act of 2010, during the Child Nutrition and WIC Reauthorization Act of 2004, and in addition to wellness policies on food and nutrition education, there were ramifications and policies focusing on the food environment, food service operations, and even food service equipment and design. For example, local policies might suggest the following in regard to the eating environment:

CONDIT ELEMENTARY SCHOOL

Increased Emphasis on Health and Wellness (continued)

- Dining areas should be clean, attractive, well lighted, and well maintained and should provide adequate time and space to eat meals.
- Dining areas should be designed to minimize the amount of time that students spend waiting in line.
- Safe drinking water and convenient access to facilities for hand washing and oral hygiene should be available during all meal periods.
- Dining areas should consider additional wellness messaging in their design, such as the need for signage or demonstrations that incorporate wellness education.
- The increased emphasis on healthy methods of cooking has also changed the types of equipment that used to be standard in food service kitchens. For example, instead of deep- fat fryers that once were included in kitchen preparation areas, steamers and convection ovens are now a more suitable replacement.

Food Security and Emergency Preparedness

Food security and emergency preparedness are very real issues for today's school nutrition programs. Crisis management may include having a plan in place in case of lockdown of a school building. Such a crisis may require schools to plan food to accommodate a different number of students, particularly for centralized or satellite operations. Security planning may include additional locking, camera, or communication systems, such as phone tree networks, or an NOAA radio which was originally used to transmit weather-related information, but can also be used to communicate other alerts and emergency



Emergency planning for natural disasters is also receiving renewed attention, both from the standpoint of planning for evacuation and for sheltering in place. The idea of sheltering in place as a response to an emergency situation may mean that schools must contend with the possibility that a major incident might necessitate keeping students at school for longer periods of time, such as days rather than hours. The use of schools for emergency shelters for both students and residents of the community has also become a priority planning issue with disasters such as Hurricane Katrina.

Alternate Food Production Systems

information.

Labor shortages are not new, but continue to be a concern across the entire food service industry, including schools. To answer this problem, some large school districts such as HISD have switched to centralized production facilities. Although high school kitchen designs tend to focus more on fresh on-site cooking, often in view of the customer service area, many high-use items can be prepared in the central location and supplied to the school campus to eliminate preparation time and deliver consistent, safe products for menu incorporation. This method reduces equipment, inventory, and storage needs in school sites. In most cases, it can reduce

overall labor or, at a minimum, redirect labor to a front-of-the-house customer focus. This is especially critical with older student customers.

Smaller and More Mobile Equipment

Newer equipment trends include a focus on smaller equipment and more mobile units, particularly for self-service areas such as salad, deli, or fruit and vegetable bars. Smaller and more mobile equipment offers the maximum flexibility to accommodate daily, as well as long-term menu needs. In addition, smaller, more mobile equipment also allows the service of food in schools in non-traditional locations.

Equipment with New or Blended Technologies

Cooking equipment with multiple or blended cooking options has become more common. Blended cooking equipment offers efficient and faster cooking. Examples include:

- Combi-ovens which offer the opportunity to cook with or without steam
- Central cooking units or "mono-blocks" may include gas burners, induction cooking plates, electric solid tops, wok ports, etc.
- Combined convection and microwave systems
- Combined lightwave and microwave ovens

Combination technology is now being found in other areas besides cooking equipment. Blixers or combination blenders and mixers are a more versatile and powerful option in food preparation. Conversely, more specialized equipment is also popular. Although not as commonly purchased in schools, bagel mixers, pizza ovens, and specialty coffee equipment have become popular in commercial restaurants.

Labor-Saving Options

Automation of equipment has already been used as one solution to the labor shortage in quick service restaurants. While schools may not be able to take advantage of this solution as completely as other segments of the food service industry, purchasing equipment that enables labor savings is one way to combat the labor shortage. Options that schools have installed include self-cleaning or descaling systems on certain types of equipment such as steamers, or water washing hoods that can be pre-set to wash when they are not being used. A trend toward manufacturing equipment with built-in maintenance operations is being observed across the board for many types of equipment. As it becomes a value-added feature, it may also reduce warranty cost.

Better Ventilation

Newer technology in ventilation systems allows for more comfortable work environments. Newer technologies include ventless hoods and cooking equipment that have been developed to allow the use of equipment outside of a ventilation hood; an example would be some specialty steamers. Local regulations should be followed in regard to the use of these; however, some schools have profited from the expanded cooking area. Less equipment underneath the hood might also be considered energy saving as it decreases the load on the heating, ventilation, and air conditioning (HVAC) systems. Due to increasing energy costs, the goal to minimize ventilation needs is also a trend for the future. In addition, ultraviolet hoods are now available for cleaning



grease that accumulates in and above range filters and ducts.

Increased Emphasis on Food Safety

Implementation of HACCP (Hazard Analysis Critical Control Point)-based Standard Operating Procedures is required in all areas of the school food service operation shown below:

- · Improved chilling of foods with smallwares and refrigeration equipment
- Better temperature tracking with faster and more convenient types of thermometers (for example, thermocouple and infrared thermometers) as well as more efficient documentation systems
- Decreased cross-contamination with equipment and supplies using color-coded methodology
- Greater availability of equipment that meets HACCP standards
- More effective hot- and cold-holding of foods
- Greater emphasis on equipment that is easy to clean and sanitize, as well as more effective, easier-to-use cleaning supplies
- Equipment systems that are integrated into computerized smart systems for better tracking and efficiency

Incorporation of Electro-Processors and Computers into Equipment

The use of electro-processor-based controls from electro-mechanical controls has become the standard. Electro-processor-based controls may be seen as digital read outs, touch pads, and other computer programming options. As these controls have become more reliable and multi- functional, they also have become smaller.

This enhancement results in a smaller piece of equipment with the same or greater production capacity. Programmable equipment can also result in significant energy savings if it is used to adjust equipment settings during periods when the equipment is not needed. It has been used extensively for heating, ventilation, and air conditioning systems, but is also possible in other areas.

Computer technology also includes computer monitored freezer alarms that will dial the central office or designated manager's home phone if the temperature falls to a certain level. Food loss can be avoided and food safety maintained with the proper use of these alarm systems. Computers can even be used to track defrost cycles and how long the freezer doors remain open.

Smart kitchens are one of the latest trends that make a great deal of sense in light of today's energy concerns. In a smart kitchen, equipment is hooked up to modems to remotely monitor temperature changes, malfunctions, and data related to food safety, as well as data related to food quality. Smart systems are a wave of the future for efficiency, quality, and control, but require greater investment to start. Examples of equipment that could be hooked up to smart systems include warewashers, blast chillers, walk-in and other refrigerators, and cooking equipment, as well as heating, ventilation, and air conditioning systems.





More Colorful and/or Less Expensive Construction Materials

Construction materials have also evolved. Although stainless steel will continue to be viewed as one of the most durable materials, newer materials are being developed that are attractive and less expensive, yet still very practical. Some of these materials even incorporate additional benefits, such as antimicrobial properties. Examples range from colorful porcelain or enamel on equipment surfaces to the use of new materials such as silicone for smallwares. Silicone bakeware offers unique properties for insulation, but is considerably more expensive than metal bakeware and is not as likely to be used in volume preparation. Color-coded cutting boards, utensils, and plastic boxes offer food safety protection through their ability to identify their separate use for different food products, such as poultry, beef, and vegetables, thus minimizing the risk of crosscontamination.

Environmentally Friendly Equipment

Manufacturers are adapting equipment to meet growing environmental concerns. These concerns include energy use, air quality, water quality, and water use. Other environmental trends include reflective window glass, products made from recyclable materials, or energy-saving equipment. For example, air-cooled ice machines may be selected over water-cooled ice machines.

Consumer Trends

Changing lifestyles have affected the way we serve food in school cafeterias. There are many factors that contribute to this:

- Changing Lifestyles: Students are clearly more sayvy and sophisticated in their tastes and desires for food service. Students have higher expectations resulting from their dining out experiences. Their expectations demand a wider variety of foods, better quality, increased food service choices, and an enhanced dining atmosphere. Students expect what they see in retail food courts or restaurants.
- Dining Environments: Student demands include more variety including "ethnic" menu items that are served in retail-like environments that offer convenience. Historical "scramble" or "single line serving" systems are not sufficient to satisfy the needs of these increasingly demanding and savvy students. There also is an increasing requirement to focus on the student as a "customer" instead of as a "captive audience."
- Convenience: Speed of service is a significant determining factor in the success of the food service operation as students simply do not want to wait in line. As a result, multiple service points are becoming the norm in new school cafeteria designs. Nationally, students have 22 minutes on average to pick up their food and eat. Most students prefer to spend this time eating and socializing with their friends rather than waiting in line.

According to the student ViewPOINT™ survey conducted by ARAMARK Education in 2012 among 42,000 students across the country:

- Of the students who skip lunch or do not eat at the cafeteria, 53 percent of them stated that long lines are the main reason why they do not eat at the cafeteria one or more days in a week.
- Eighty percent of the students stated that shorter lines or line speed is an important factor when they decide whether or not to get lunch at school.

Service Trends

The trends being observed in new school food service programs include a blend of self-service and multiple points of employee service with greater showcasing of food. This includes more open kitchen/preparation areas allowing for some part of the food preparation to be seen and appreciated by the student customer. Rounding out this trend is the food service operations' use of school kitchens to prepare meals for non-student populations. If a school program provides meals to groups outside of the school population or is considering it in the next five years, there may be an additional set of customer expectations to address in the purchase of food service equipment.

A guiding principle when making equipment purchasing decisions should be flexibility to meet future needs of the changing customer base. This will allow operations to handle incoming fads and long-term trends while maintaining operational viability.

Food Court Concepts

The food court design has been an extremely popular trend where students select from various specialty stations, such as burger bars, deli stations, and taco bars. This allows the students to wait only at the stations of their choice and go to different stations depending on their preference for the day. These kiosks or stations should consider providing standard pieces of equipment in each station so flexibility is retained when menus are redesigned as student tastes change.

Alternative Service Points

Quick service walk-up windows are being offered in some schools with positive outcomes. These service points can be in addition to the food court concept as an alternative point of service for the student population to be able to "grab and go." Schools also feel that the window service allows additional opportunities beyond the normal meal service periods. Clubs, for example, may use the windows after hours to sell concessions for different events at the school.

Speed Lines

Speed lines provide a fast system where multiple points of service are offered. Foods may include pre-wrapped products such as fresh salads, bagged lunches, breakfast meals, or other grab-and-go healthy options. Lines are often double-sided and the focus is on efficient movement for students on the go.

Kiosks and Food Carts

Kiosks offer food for faster service at small, mobile, free-standing carts. This increases and/or diversifies the number of service locations offered. It also enables higher participation as we are able to take more options to the students in places such as hallways, entrances, and gymnasiums.



Exhibition-Style Cooking

Some form of display cooking or custom assembly of food right in front of the customer's view adds to a preferred perception of quality and freshness. Savvy students of all ages are catching on to the resurgence of "fresh is best." Television cooking channels also continue to push this approach as well as increasing the popularity of cooking "from scratch."

In order to meet customer demand for freshness, high schools may choose to include exhibition-style cooking at some service points. Panini grills, conduction cook tops, woks, grill/broilers, and pizza impinge (conveyor) ovens are often incorporated in cooking areas behind the service stations. Given the high volume of typical school lunch period customer traffic, these stations are limited to certain service points and are incorporated into serving areas offering more traditional speed-of-service and grab-and-go stations to meet volume demands. They serve to pique customer interest and sales and should be versatile to meet changing student preferences.

Critical Needs List

Following site visits to a number of Texas schools a broader group of HISD Food Services/ARAMARK operations and support services senior team members reviewed the findings and discussed key local considerations for an HISD facility. The group included leaders from maintenance, quality control, operations, warehouse and distribution, marketing, and administrative staffs. The following five factors were determined to be the critical drivers to successfully achieving HISD's food service's end goal:

- 1. Key regulatory considerations/National School Lunch Program requirements:
 - a. HISD should continue offering a large variety of fresh fruit and vegetables with every meal. Adequate and refrigerated merchandising space is needed on each service line.
 - b. The POS (point-of-sale) units must be located at the end of the serving line after all food and beverages have been served in order to comply with NSLP regulations.
 - c. To comply with NSLP potable water access regulations, water fountains must be located in the dining area.
- 2. Changing trends in menus:
 - a. Student ViewPOINT surveys conducted over the last three years in all HISD middle and high schools show the consumer preference to continue popular build-your-own style serving options for our students.
 - b. Relevant concepts and environments where students want to eat must be offered.
 - c. Serving lines need mobile serving equipment and versatile cooking equipment to change menu theme with consumer preference. For example, this could include a grill station that can



Home Zone Concept Traditional and fresh fare; build-your-own meal as you like it

CONDIT ELEMENTARY SCHOOL

double as a Mexican theme station (including fresh tortilla grilling and live action preparation of items) without major equipment change.

- d. The HISD Parent Advisory Committee recommends that small high schools be afforded full-service menu options with a cooking facility versus a noncooking satellite setup whenever possible.
- 3. The HISD Food Services Support Facility (FSSF) production model:
 - a. Specialized small equipment needs will be kept to a minimum as all HISD campuses are supplemented with prepared foods from the Food Service Support Facility.



Corner Crust Original Pizza & Pasta Made fresh and daily: pizza, salads, calzones, and made-to-order pasta

- b. Storage space needs are significantly less than the NFSMI standard as the FSSF warehouse and production center controls the product delivery schedule and menuing. Inventory levels in HISD campuses are tightly controlled.
- c. With the production facility supplementing food production, site staffing should meet service model requirements with the majority of staff assigned to the serving line area for speed of service at an average of 17 students per minute.

4. Design by enrollment:

a. The size and number of serving areas should adjust and vary with enrollment.
 À la carte serveries were deemed necessary at all campuses, with smaller locations serving less enrollment receiving smaller à la carte serving areas.

5. Equipment considerations:

- a. Equipment quantities will adjust with enrollment size, although the type of equipment would be standard for most school models.
- b. Walk-in freezers should open into coolers to temper air.
- c. Cook lines should be separated in larger kitchens to manage the work flow of traffic efficiently and to avoid unsafe conditions.



ARAMARK Marketing and Design Services Engagement

ARAMARK regional and national marketing representatives were engaged to discuss consumer trends in dining and service concepts to ensure that the proposed cafeterias for HISD 2012 Bond High Schools would be in line with cutting-edge marketing trends. John Kandemir, Vice President of ARAMARK Education Marketing, and Rick Ward, Regional Marketing Director, were consulted for their expertise in consumer trends and operational design to meet consumer expectations.

John and Rick monitor the latest research from education organizations, K–12 publications, industry experts, and agencies to stay abreast of K–12 legislation, regulations, and food and customer trends. Providing their expertise and support to more than 400 school district partners across the country, they complement their research with a proprietary ViewPOINT Survey to provide an integrated 360-degree view of the K–12 environment that delivers insight for school- specific improvements and innovation. The local HISD ViewPOINT Survey results were considered in developing this document.

ARAMARK Capital Projects' design experts were also consulted for their expertise and validation of our plan direction. Their group connects resources, guides capital project innovations, and educates the company and its partners on ways to maximize investment value. They are responsible for ARAMARK's creation and management of dining concepts, facility design standards, and managing our network of equipment and smallwares relationships. The Associate Vice President of Project Development, Michael Bolanos; Director of Project Execution, Bill Miller; and Project Agent, Mark Bond, were specifically consulted in our planning.

Last year they supported more than 500 facility and food concept design projects throughout ARAMARK. The K-12 district partners made up over 200 of these projects, including the concept development of the 75 new build-your-own service lines recently installed in HISD high schools. Their expertise, feedback, and support have been invaluable in the development of the enclosed plan.

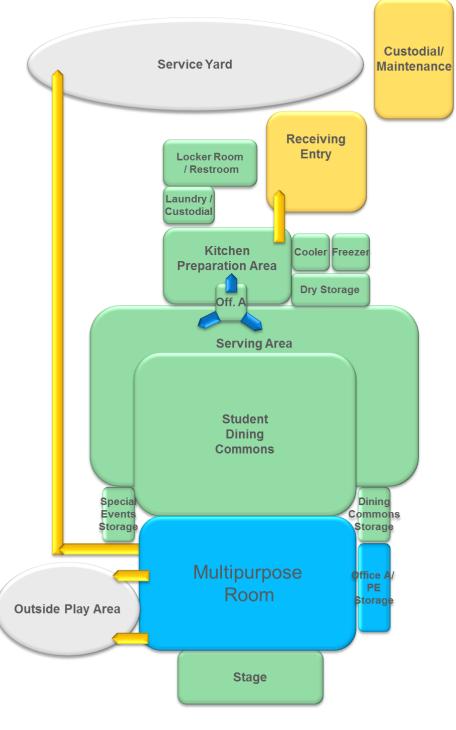
The facilities described on subsequent pages provide for the preparation and serving of food to the students, staff and faculty. The Dining Commons serves not only as a place for eating but also a location used by the school for assemblies and student performances.

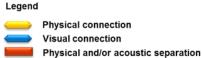
These facilities should be located in close proximity to the Custodial/ Maintenance area so that the receiving area can be shared.

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The functional relationships illustrated are diagrammatic only. Further interpretation of these relationships shall be implemented by the Design Team.



Space Requirements

	Provided Spaces			
Food Service	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Kitchen Preparation Area		1	850	850
Kitchen Serving Area		1	947	947
Kitchen Dry Storage		1	213	213
Kitchen Freezer		1	161	161
Kitchen Cooler		1	171	171
Kitchen Manager's Office		1	92	92
Kitchen Laundry/Custodial Area		2	40	80
Kitchen Locker Room/Restroom		1	118	118
Student Dining Commons (seating for 1/3 of students at one time plus 200 for dining)		1	4,134	4,134
Special Events Storage		1	71	71
Dining Commons Storage		1	267	267
Total	0			7,104

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CONDIT ELEMENTARY SCHOOL

Food Service

Kitchen Preparation Area

USERS:	ACTIVITIES:
Manager	Preparation of food
Food Service Staff	Cooking foods
	Staging meals before moving to serving lines
	Cleaning equipment, work surfaces and floors

DESIGN CONSIDERATIONS:

- Equipment shall be located under two exhaust hoods located in close proximity to serving areas.
- Gas line to be exposed with additional electric circuit for expansion.
- Fire protection system add one floor sink and water connection under each hood.
- Doorbell at receiving should be audible in Food Preparation Area.
- Allow space to store Utility Carts.
- Provide a minimum of 4' 0" wide doors.
- Provide window, peep hole or camera for visibility of persons making deliveries to those receiving deliveries.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Markerboard
- Tackboard
- Cookline:
 - 2- Vent Hoods, 15' min. size each
 - Fire Protection System
 - 2- Convection ovens, double
 - 1- (4) Burner Range Convection Oven
 - 1- Steamer Electric w/stand
 - 1- Two comp. sink w/disposal
 - 1- Disposal
 - 4- work tables min., number as needed
 - 10' Worktable w/ utility rack located in front of cook line, number as needed

- 8- Pan Racks (Bun rack)
- 1- Three compartment sink w/shelf
- Mobile Utensil shelf, number as needed
- 1- Ice machine w/bin
- 8- Utility Carts
- 8- Dolly, Milk Case
- 8- Camcarts (1 cart for every 100 students)
- Small Wares package(s), as needed
- 2- Manual Can openers
- 1- Commercial Blender

Owner Furnished - Contractor Installed

- Soap Dispensers
- Paper Towel Dispensers

Owner Furnished - Owner Installed

Clock(s)



Food Service

Serving Area

USERS:	ACTIVITIES:
Kitchen Manager	Serving food
 Food Service Staff 	Receiving payment for food
 Students 	
Faculty	

DESIGN CONSIDERATIONS:

- Equipment is based on a minimum of 3 lunch periods.
- Serving will be in a food court design number of stations dependent upon school capacity.
- If more than four stations, one station to be separate from kitchen so it can be used by school organizations after hours.
- Doorbell at receiving should be audible in Serving Area.
- Provide a minimum of 4'-0" wide doors.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- 2- Traditional (Standard Serving Lines)
 - 1 Drop Front Milk Cooler
 - 2-3' Serving Unit Pan Flat
 - 1-5' Serving Unit Pan Hot
 - 1- 3' Serving Unit Pan Cold
 - 1- Cold Tier Hot/Frost
 - 1- Cash Table
- 1- Heated Cabinet, 2 Door
- 1- Refrigerator, 1 door
- Back Counter, as needed
- Multi-fold Hand Towel Dispensers
- Soap Dispensers
- 2- Electronic Display (Menus)

Owner Furnished - Contractor Installed

• None

Owner Furnished - Owner Installed

- 2- Point Of Sale (POS) Units
- 2- Adjustable height stools
- Clock(s)





CONDIT ELEMENTARY SCHOOL

Food Service

Dry Storage

USERS:	ACTIVITIES:
Food Service Staff	Storing dry food / supplies
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DESIGN CONSIDERATIONS:

- Locate Dry Storage near Kitchen Preparation Area
- Locate Dry Storage for easy access to Receiving Entry
- Provide security camera to monitor entrance
- Provide a minimum of 4' 0" wide doors.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- 2 Can Racks gravity fed
- Dry Storage Shelving, solid, as needed
- Dunnage Racks, solid, as needed

Owner Furnished – Contractor Installed

None

Owner Furnished - Owner Installed



Food Service

Freezer

USERS:	ACTIVITIES:
 Food Service Staff 	Storing frozen food
DESIGN CONSIDERATIONS:	

- Locate freezer near Kitchen Preparation Area and have it open from Cooler.
- Enter freezer through cooler
- Locate for easy access to Receiving Entry
- Provide computerized remote monitoring system.
- Provide a minimum of 4' 0" wide door

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- 1- Walk-in Freezer TN-078, walk thru evenly spaced, min. 400 sq. ft.
- 2- Dunnage Racks, (Vented cold storage)
- Cold Storage Shelving, vented, number as needed.

Owner Furnished - Contractor Installed

None

Owner Furnished – Owner Installed





CONDIT ELEMENTARY SCHOOL

Food Service

Cooler

USERS:	ACTIVITIES:
Food Service Staff	Storing cold foods
	Defrosting frozen food

DESIGN CONSIDERATIONS:

- Locate cooler near Kitchen Preparation Area and have it open into both Prep and Freezer
- Locate cooler/freezer for easy access to Receiving Entry.
- Provide computerized remote monitoring system
- Provide a minimum of 4' 0" wide doors.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- 1- Walk-in Cooler, walk thru evenly spaced, min. 400 sq. ft.
- 2- Dunnage Racks, (Vented Cold Storage)
- Cold Storage Shelving, vented, number as needed

Owner Furnished - Contractor Installed

None

Owner Furnished – Owner Installed



Food Service

Office A (Kitchen's Manager's Office)

USERS:	ACTIVITIES:
Manager	 Filing out Food Service documentation Reviewing employee request Ordering supplies Counting cash

DESIGN CONSIDERATIONS:

- Locate manager's office in a central location to allow visibility into kitchen prep area, service line holding area and receiving.
- Provide window, peep hole or camera for visibility of person receiving deliveries.
- Provide windows above 3' to below ceiling on all sides.
- Doorbell at receiving should be audible in Kitchen Manager's Office and Kitchen Preparation Area.
- If camera is provided it needs to be monitored through the computer system in the office.
- Combination safe should be secured to the building in a non-visible space in the office.
- Provide minimum of 4' wide doors.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

- 1- Combination Safe
- 4' x 4' marker board
- 4' x 4' tack board

Owner Furnished - Contractor Installed

None

Owner Furnished – Owner Installed

- Desk
- 1- Task Chair
- 1- Guest Chair
- File Cabinet
- Bookcase
- Blinds
- Clock
- Printer
- Computer
- Trash cans



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CONDIT ELEMENTARY SCHOOL

Food Service

Laundry / Custodial Area

USERS:	ACTIVITIES:
 Manager 	Washing food prep clothes and aprons
 Food Service Staff 	Drying food prep clothes and aprons
	Storing cleaning supplies
	Storing cleaning equipment
	Cleaning mops
DECION CONCIDED ATION	

DESIGN CONSIDERATIONS:

 Provide sufficient ventilation to prevent fumes from cleaners from damaging mother boards in washer and dryer. Alternatively, provide separate rooms for

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- 1- Washer
- 1- Dryer
- Shelving, composite, as needed
- Mop/Broom Rack
- Mop Sink

Owner Furnished – Contractor Installed

• Paper Towel Dispenser

Owner Furnished - Owner Installed



Food Service

Locker Room / Restroom

USERS:	ACTIVITIES:	
Kitchen Manager	Staff clothes changing	
 Food Service Staff 	Storing of personal items by Staff	
DESIGN CONSIDERATIONS:	•	
Provide floor drains with earlier	asy access clean-outs.	
FURNITURE, FIXTURES & E	QUIPMENT:	
Contractor Furnished – Cont	tractor Installed	
8-10 Lockers min.	8-10 Lockers min.	
Coat Hooks	Coat Hooks	
Owner Furnished - Contract	or Installed	
 Paper towel dispenser 	Paper towel dispenser	
Soap dispenser	Soap dispenser	
Toilet paper dispenser		
Owner Furnished – Owner Installed		
Bench	Bench	
Clock	• Clock	

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HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Food Service

Student Dining Commons

<u> </u>	
USERS:	ACTIVITIES:
Kitchen Manager	Eating
 Food Service Staff 	Student Assembly
 Students 	Social Gathering
 Faculty 	

DESIGN CONSIDERATIONS:

- Provide access from Dining Commons to dumpster area without going through Kitchen Prep.
- Include drinking fountains in the Dining Commons per code
- Provide area for future addition of vending machines

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- 4' x 8' Tack board(s)
- Connections for projectors
- Sound System, to balance sound throughout the room
- Electronic Display
- Charging stations, as needed

Owner Furnished - Contractor Installed

None

Owner Furnished - Owner Installed

- Tables and chairs for 1/3 of the program capacity plus 200 for dining
- Size and shape of tables should be varied to prevent an institutional appearance
- Clock



Food Service

• None

Student Dining Commons – Stage		
USERS:	ACTIVITIES:	
Students	Student Performances	
Faculty	School Assemblies	
	Drama Rehearsals	
	Dance Rehearsals	
DESIGN CONSIDERATIONS		
Provide stage lighting with	control board.	
 Provide outlets and micror 	 Provide outlets and microphone plugs in the apron or riser at the top step. 	
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
Motorized Projection Screen		
Curtains – front, sides and back		
Mirrors behind curtains on back wall of stage for potential use as a dance rehearsal area		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		



CONDIT ELEMENTARY SCHOOL

Tall lockable 2-door cabinets

Food Service

Student Dining Commons – Control Room

Student Dining Commons – Control Room			
USERS:	ACTIVITIES:		
Students	Controlling stage lighting		
Faculty	Controlling sound system		
	Storing A/V Equipment for stage		
DESIGN CONSIDERATIONS:			
None	• None		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
4' x 4' Markerboard			
4' x 4' tack board			
Owner Furnished – Contractor Installed			
• None			
Owner Furnished – Owner Installed			
Chairs			
 30" x 60" table 	30" x 60" table		



Food Service

Student Dining Commons - Storage

USERS:	ACTIVITIES:		
Kitchen ManagerFood Service StaffStudentsFaculty	 Storing dining tables and chairs Storing dining room equipment 		
DESIGN CONSIDERATIONS	S:		
None	• None		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
• None			
Owner Furnished – Contractor Installed			
• None			
Owner Furnished – Owner Installed			
Cart for Chairs			
Cart for Tables			
 400 stackable chairs 	 400 stackable chairs 		







CUSTODIAL / MAINTENANCE



HISD EDUCATIONAL SPECIFICATIONS
CONDIT ELEMENTARY SCHOOL – MAY 12, 2014





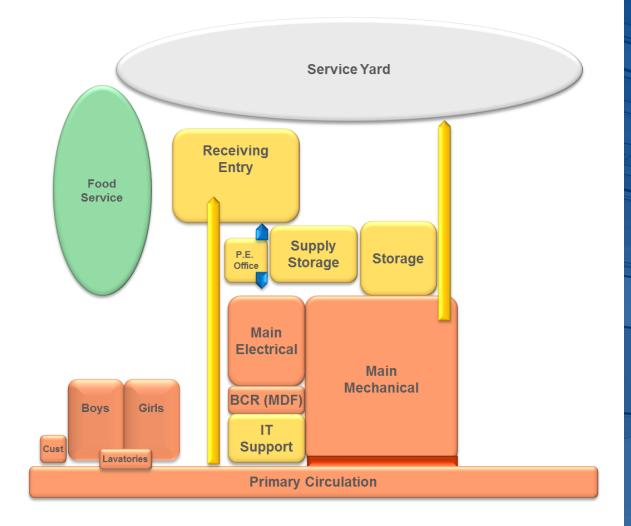


Custodial / Maintenance

Overview:

These facilities provide for the cleaning and maintenance of the facility and include not only spaces dispersed throughout the school, but also central facilities for receiving, inventorying and storing supplies and equipment.

The centralized facilities should be located in close proximity to the Food Service area so that the receiving area can be shared.



Legend Physical connection Visual connection Physical and/or acoustic separation

The functional relationships illustrated are diagrammatic only. Further interpretation of these relationships shall be implemented by the Design Team.



CONDIT ELEMENTARY SCHOOL

Space Requirements

	Provided Spaces			
Custodial/ Maintenance	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Receiving Entry		1	139	139
Office, Plant Operator		1	77	77
Custodial/Maintenance Storage (include cages for securing equipment)		1	279	279
IT Support		1	100	100
Custodial Closet		2	80	160
Total	0			755



Custodial / Maintenance

Receiving Entry

J ,	
USERS:	ACTIVITIES:
 Plant Operator Maintenance Staff 	 Filing out documentation for receipt of goods Receiving miscellaneous school supplies
Custodial StaffKitchen StaffDelivery Personnel	 Receiving equipment Receiving food deliveries Disposal of school & food service waste
DESIGN CONSIDERATIONS:	<u> </u>
None	
Provide chace for weets his	ing and recycle hin in Service Vard

- Provide space for waste bins and recycle bin in Service Yard.
- Loading area is not to be a dock, but a curb.
- Provide doorbell that will be audible in kitchen.
- Provide window, peep hole or camera for visibility of persons making deliveries to those receiving deliveries.

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

None

Owner Furnished - Contractor Installed

None

Owner Furnished – Owner Installed





CONDIT ELEMENTARY SCHOOL

Custodial / Maintenance

Plant Engineer's Office

riant Engineer 5 embe		
USERS:	ACTIVITIES:	
Plant EngineerCustodial StaffMaintenance Personnel	 Office functions for Plant Engineer Repairing equipment using hand tools Scheduling of custodial staff Reviewing staff requests 	
DESIGN CONSIDERATIONS:		
View to Receiving Entry		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
4' x 4' Tack board		
4'x4' Marker board		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
• Desk		

- Filing cabinet
- Task chair
- Guest chair
- Bookcase

Custodial / Maintenance

Storage

3.3.3.9		
USERS:	ACTIVITIES:	
Plant EngineerCustodial StaffMaintenance Personnel	 Repairing equipment using hand tools Storing miscellaneous building supplies Storing building maintenance equipment 	
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		

Owner Furnished – Contractor Installed None

Owner Furnished - Owner Installed

3 locking cages to secure equipment/supplies

- 30" x 48" table
- 2- Chairs
- 3 tall deep heavy duty shelf units
- Maximum LF of 24" D x 84" H x 16' L heavy duty open adjustable shelving on perimeter

CODENT



CONDIT ELEMENTARY SCHOOL

Custodial / Maintenance

IT Support

Adjustable shelves

TI Cappoit		
USERS:	ACTIVITIES:	
IT Personnel	Store IT equipment	
 Plant Operator 	Repair IT devices	
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
• None		
Owner Furnished – Contractor Installed		
• None		
Owner Furnished – Owner Installed		
• 30 x 60 Table		
• 2 Chairs		

Custodial / Maintenance

Custodial Closet

USERS:	ACTIVITIES:	
Plant Engineer	Storing of Mops and Brooms	
Custodial Staff	Cleaning of mops and other custodial equipment	
DESIGN CONSIDERATIONS		
Locate throughout school	- 1 on each floor	
FURNITURE, FIXTURES & E	QUIPMENT:	
Contractor Furnished – Contractor Installed		
Mop Sink		
Mop and Broom Rack		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Metal shelving unit		







BUILDING SUPPORT



HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL – MAY 12, 2014



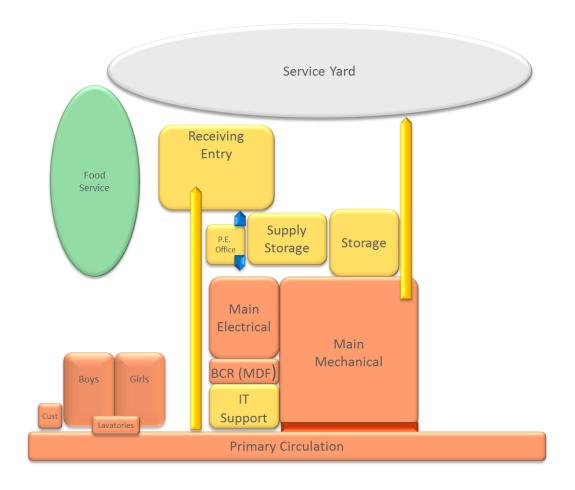


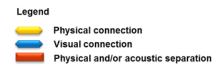
Building Support

Overview:

These facilities provide for centralized building services including electrical and mechanical necessary for the operations of the building, but also service areas that are located throughout the building.

The centralized facilities should be located in close proximity to the Food Service area so that the receiving area can be shared.





The functional relationships illustrated are diagrammatic only. Further interpretation of these relationships shall be implemented by the Design Team.

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HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Building Support

Corridors

USERS:	ACTIVITIES:
StudentsFacultyStaffVisitors	 Circulation of occupants Displaying awards, pictures, student work and school announcements

DESIGN CONSIDERATIONS:

- Lockable display cases are encouraged for the displaying of awards, pictures, school announcements and student work.
- Minimum corridor widths are:
- Serving more than two classrooms: 8'-0"
- Serving more than eight classrooms: 9'-0"
- Major corridor: 12'-0"
- Lockers along one wall: add 2'-0"
- Lockers along two walls: add 3'-0"

FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished - Contractor Installed

- Lockable display cabinets Some shallow, some deeper.
- Tack board / Tack wall As much as possible continuous tackable surface on upper part of the wall
- Water fountains in corridors or at entry of each of the group restrooms
- AR Star Display Boards

Owner Furnished - Contractor Installed

None

Owner Furnished - Owner Installed

- None
- Clocks



Building Support

Group Restrooms

None

USERS:	ACTIVITIES:							
Students	Personal hygiene							
DESIGN CONSIDERATIONS:								
None								
FURNITURE, FIXTURES & E	FURNITURE, FIXTURES & EQUIPMENT:							
Contractor Furnished – Con	tractor Installed							
 Mirrors (not above sinks) 								
Owner Furnished - Contract	or Installed							
Paper towel dispensers								
Soap dispensers								
Toilet paper dispenser								
Owner Furnished – Owner Installed								



HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Building Support

Single Restrooms

None

USERS:	ACTIVITIES:
Faculty	Personal hygiene
 Visitors 	
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EC	UIPMENT:
Contractor Furnished – Contr	ractor Installed
Mirrors	
Owner Furnished – Contracto	or Installed
Paper towel dispensers	
 Soap dispensers 	
Toilet paper dispenser	
Owner Furnished - Owner Ins	stalled

Building Support

Main Mechanical

USERS:	ACTIVITIES:
Plant Operator	Mechanical Equipment which heats and cools school
Maintenance Staff	Repairing Mechanical Equipment
	Servicing Mechanical Equipment
DESIGN CONSIDERATIONS:	
Size doors to allow for repl	acement of equipment.
FURNITURE, FIXTURES & E (QUIPMENT:
Contractor Furnished – Conf	ractor Installed
Mechanical Equipment	
Owner Furnished - Contract	or Installed
None	
Owner Furnished - Owner In	stalled
None	





HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Building Support

Main Electrical

USERS:	ACTIVITIES:
Plant EngineerMaintenance Personnel	 Electrical Equipment for school's electrical needs Repairing Electrical Equipment
• Maintenance reisonner	Servicing Electrical Equipment
DESIGN CONSIDERATIONS	
 Attempt to locate so not be 	elow "wet" spaces.
FURNITURE, FIXTURES & E	QUIPMENT:
Contractor Furnished - Con	tractor Installed
Electrical Equipment	
Owner Furnished - Contract	or Installed
None	
Owner Furnished - Owner Ir	nstalled
None	



Building Support

IT Equipment

BCR - Building Communication Room (MDF)

FCR - Floor Communication Room (IDF)

	,
USERS:	ACTIVITIES:
Plant Engineer	House IT equipment
IT Personnel	House mission critical equipment (i.e. fire alarm, burglar
	alarm, intercom)
DESIGN CONSIDERATIONS:	
Maintain a temperature of	40 degrees in the BCR.
 Locate FCRs so that serve 	e an area within a 190 foot radius.
FURNITURE, FIXTURES & E	QUIPMENT:
Contractor Furnished – Conf	tractor Installed
Fire Rated Plywood on a n	ninimum of 3 walls
Fire alarm	
 Intrusion alarm 	
Owner Furnished - Contract	or Installed
None	
Owner Furnished – Owner In	stalled
IT Racks	



HISD EDUCATIONAL SPECIFICATIONS

CONDIT ELEMENTARY SCHOOL

Building Support

Stairs

None

USERS:	ACTIVITIES:						
StudentsFaculty	Vertical circulation for building occupants						
StaffVisitors							
DESIGN CONSIDERATIONS:							
Multiple staircases for stud monumental stair	from corridors should be maintained ent circulation should be considered rather than a single						
FURNITURE, FIXTURES & EC							
Contractor Furnished – Cont	ractor Installed						
None	• None						
Owner Furnished – Contractor Installed							
• None							
Owner Furnished – Owner Installed							

Building Support

Elevator

USERS:	ACTIVITIES:
Students	Vertical circulation for building occupants
Faculty	- '
Staff	
 Visitors 	
DESIGN CONSIDERATIONS:	
 Key operated only 	
FURNITURE, FIXTURES & E	QUIPMENT:
Contractor Furnished – Conf	tractor Installed
None	
Owner Furnished - Contract	or Installed
None	
Owner Furnished – Owner In	stalled
None	









HISD EDUCATIONAL SPECIFICATIONS
CONDIT ELEMENTARY SCHOOL – MAY 12, 2014



HISD CONDIT ELEMENTARY SCHOOL EDUCATIONAL SPECIFICATIONS



General Notes

- G1. Provide base as appropriate for flooring material.
- G2. Provide acoustical wall treatment as appropriate for all open, tall and / or noise producing spaces.
- G3. All materials should be easily santized and long wearing.
- G4. Ceiling Heights shall be 9'-0" minimum, 10'-0" maximum, unless noted otherwise on Matrix
- G5. Terrazzo may be used as a floor finish in high traffic areas if project can bear the additional cost.
- G6. Use of carpet in non office areas must be approved by HISD.
- G7. The use of flexible furniture/equipment is encouraged. Built-in casework and shelving should be minimized-generally casework should only be provided where a sink is required.
- G8. All windows in spaces that are occupied on a regular basis shall receive shades or blinds.
- G9. All spaces to which a student may go shall have a visual connection (fixed window, door light or sidelight) to the adjacent space or circulation.
- G10. All spaces shown to receive an electronic whiteboard/projector by Owner should have blocking installed in the wall by the Contractor. The projector is integral to the board.
- G11. Provide accoustical wall treatment as appropriate for all open, tall and/or noise producing spaces.
- G12. Not Used
- G13. Consider the use use of large tackable wall surfaces where tackboard is noted.
- G14. Data drops noted on the matrix do not include wireless acccess or video display connections. See Design Guidelines for number and locations of drops for these devices.

Program Specific Notes

- A. Continue flooring from corridor to front side of reception counter.
- B. Not used.
- C. 2 duplex outlets located in casework apron at each student station
- D. One duplex and data located for wall mounted display monitor
- E. Locate one set of drinking fountains in adjacent corridor.
- F. Provide floor drain at emergency shower/eyewash station.
- G. Provide system noted with an * if required for specific curriculum.
- H. Not used.
- I. Provide large deep sink for cleaning instruments.
- J. Provide large electrically operated, projection screen with projector
- K. Install an eye wash station at sink.
- L. Provide drinking fountain in or near treatment area.
- M. Wall and ceiling finishes of walk-in are by the manufacturer. Floor to match the floor in food preparation area
- N. Provide mop sink in Custodial area.
- O. Provide washer and dryer connections and sufficient ventilation in Laundry area.
- P. Plaster Traps at art sinks
- Q. Coordinate HVAC/Plumbing/Electrical requirements with equipment
- R. Provide permanent speaker system
- S. Provide restroom with appropriate fixtures for age served.
- T. Provide stage curtains.
- U. Furnish and install coat hook on door.
- V. Provide pass through mail slots and built in work table in center of room.



							FINIS	HES											OPENIN	NGS			HVAC, PLUMBING AND ELECTRICAL															EQU	IPMEN	IT AND S	SPECI/	AL SYS	TEMS			-
			FLO	OR				PARTITIONS CEILING										DOORS	s		w	/INDOWS		HVA	ıc	PLUMBING					ELECTRICAL					F	EQUIPME	ENT			BUILT	T-INS		SPECIAL	L SYSTEMS	
	Carpet	Wood	Polished or Stained Concrete Soorts	Ceramic Tile	Quarry Tile	Resinous Resilient	I W	Gypsum Wallboard	Ceramic Tile	7 7	Folding Wall	Exposed Structure	Acoustical Ceiling Tile	Wallboard	Ceiling Height Min/Max	Aluminum	Hollow Metal		Roll-up, interior glass Roll-up, interior grille	View Lite	Interior	None	Daylighting	Exhaust to exterior Fume/Exhaust Hood	Dust Collection System	Sink	Natural Gas (double outlet @ each)	Drinkning fountain	Eye wash & Shower	Floor drain	Duplex	Canal	ing t	Specialty	Lockers	Markerboard	Tackboard / Tackwall	Interactive Board	Projection Screen	Base Cabinets with Counters	Wall Cabinets	Tall Storage Cabinets	Built-in Shelves	Phone Sound System and	microphone Specialty	NOTES
Neighborhoods																																														
Learning Center (Grades 1-5)			Х			X	: X	X		()	(X		Х		9/10	Х	Х		Х	Х)	х								8 3	3 6	5 X			2	3	1						Х		
PrE-Kindergarten Learning Center			Х			X	: X	X		()	(X		Х		9/10	Х	Х		Х	Х)	х								8 3	3 6	5 X			2	3	1						Х		S
Kindergarten Learning Center			Х			X	: X	X		()	(X		Х		9/10	Х	Х		Х	Х)	х								8 3	3 6	5 X			2	3	1						Х		S
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Wet Lab Storage			х			x	: X	X					Х		8		Х	(Х		Х		х		1	1		1	Х	4 1	. 1	1			1	1			Х	Х	Х	Х	Х		
Teaching Theater			X			x	: x	X					Х		9/10	Х	Х		Х		х	2	х	Х	*						8 *	: 3	* X			2	3	1		*	*	*	*	Х		
Table and Chair Storage			X			x	: x	X					Х		8		Х			Х		Х									1											ш	ш			
Flex Lab			х			x	: X	X					Х		9/10	х	Х		Х	Х		2	х	Х	*	*	*				۰	* *	^			2	3	1		*	*	*	*	Х		G
Learning Commons/Information Center	Х		х				Х	х	2	()	(x	x	X		12/16	х	х	()	х	Х	х	2	х					2 ch	arging	g areas eacl		quads	S X			1	1	1						х		D
Storage			Х			х	: X	X					Х		8		Х	(Х		Х																				ш	ш			
Office / Workroom	Х		Х			X	. X	X					Х		8		Х	(Х	Х					1					4 1	. 2	2			1	1			Х	Х	ш	ш	Х		
Self Contained Learning Center			Х			X	: X	X)	()	(Х		9/10	Х	Х	()	Х	Х	Х)	Х			1					8 1	. 6	5 X			2	3	1				ш	ш	Х		G
Kitchen			Х			X	: X	X					Х		8		Х	(Х	Х	X X	Х	Х		1				Х	3	1	1			1	1			Х	Х	Х	ш	Х		
Restroom				Х			Х	X	Х					Х	8		Х	(Х		Х		1				Х	1	1	1								Х	ш	ш			
Changing Room (Shower Area)				Х			Х	X	х					Х	8		Х					Х		Х		1				Х	1	1	1								Х	ш	ш			
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Small Group Room	Х		Х				Х	X)	()	(Х		9/10	Х	Х			Х	Х										4	1	1 X			1	1					┙	oxdot	Х		
Storage			X			x	X	X					Х		8		X			Х		Х									2					\perp						Х	Ш			



HISD CONDIT ELEMENTARY SCHOOL EDUCATIONAL SPECIFICATIONS

IX	
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				FLOOR						PARTITION	5			CEILING				DOORS			WINE	oows	HV	AC		PLUMB	ING			ELECTR	ICAL			EQUIPN	IENT		BUIL	LT-INS	SP	ECIAL SYSTEM	ıs	
	Carpet	Wood	Concrete Polished or Stained Concrete	Sports	Ceramic Tile	Quarry Tile	Resilient	CMU	Gypsum Wallboard	Ceramic Tile	Glass wall Markerble Wall	Folding Wall	Exposed Structure	Acoustical Ceiling Tile	Gypsum Wallboard Ceiling Height	Aluminum	Hollow Metal	Wood, plastic laminate Roll-up, interior non-	Roll-up, interior grille	View Lite	Interior	Daylight Exposure	Exhaust to exterior	Fume Hood Dust Collection System	Sink	Natural Gas Drinkning fountain	Eye wash	Floor drain	Duplex	Quad	Switching to Allow Multiple Light Levels	Specialty	Lockers	Markerboard	Interactive Board	Projection Screen Base Cabinets with	Counters Wall Cabinets	Tall Storage Cabinets	Built-in Shelves	Sound System and microphone	Specialty	NOTES
Arts																																										
Music Learning Center			Х				Х	Х	Х		Х			Х	18/2	2	Х	х		Х	х	Х				1			10 2	2 6	Х			2 3	1				х х	Х		Е
Instument Storage			Х				Х	Х	Х					Х			Х	х		Х	х				1				2	1			Χ :	1 1					х			ı
Music Storage/ Library			Х				Х	Х	Х					Х				х		Х	х								2	1				1 1					х			
Visual Arts Learning Center			Х				Х		Х	Х	Х			х	10/1	2		Х		Х		Х			2			Х	8 4	4 6	Х			2 3	1	Х	Х		Х Х			Р
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Storage Room			Х				Х		Х					х				Х		х	Х								1										Х			Н

HOUSTON INDEPENDENT SCHOOL DISTRICT
CONSTRUCTION AND FACILITY SERVICES: FACILITIES PLANNING - MAY 12, 2014
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								FI	NISHES											C	PENING	GS						HVAC	, PLUME	BING A	AND ELE	CTRICA	\L						EC	QUIPMI	ENT AN	ID SPEC	CIAL SYS	STEMS				
				FLO	OR					PA	RTITIONS				CEILII	NG				DOORS			WIN	DOWS		HVAC			PLUMBII	ING			ELEC	CTRICAL				EQUIPM	ENT			BUILT-I	NS		SPECIAL	SYSTEMS	.S	
Dhysical Education / Athletics	Carpet	Wood	Concrete Polished or Stained	Concrete	Ceramic Tile	Quarry Tile	Resinous	Resilient	СМО	Gypsum Wallboard	Glass Wall	Markerble Wall	Folding Wall	Exposed Structure	Acoustical	Gypsum Wallboard	Min/Max	Aluminum	HOHOW INTEGRAL	Roll-up, interior non-insulated	Roll-up, interior grille	View Lite	Interior	None Daylighting	Exhaust to exterior	Fume Hood	Dust Collection System	Sink Natural Gas	Drinkning fountain (dual height)	Eye Wash	Floor drain	Duplex	Quad	۱ ۵	<u>.au</u>	Specialty	Markerboard	Tackboard/Tackwall	Interactive Board	Projection Screen	Base Cabinets with Counters	Wall Cabinets	Tall Storage Cabinets	Built-in Sheives	Sound System and	도 I	Specialty	NOTES
Physical Education / Athletics																																																
Multi-Purpose Activity Learning Center				X	(Х	Х			Х		Х	1	6/23			κ		Х		X								8	3	6 >	x			2)	(R
Stage		Х							Х	Х					Х	Х								х								8		4 >	х					Х						x		т
Office			2	x				Х	Х	Х					Х					K		Х	Х	Х								4		2 >	х		1	1)	(-
P.E. Equipment Storage				х				Х	Х	Х					Х)	K			Х		Х								1																





							FINISHES	5									OPENIN	GS					н	VAC, PLU	JMBING	G AND ELE	CTRICAL					EQU	IPMENT	Γ AND S	SPECIAL S	YSTEMS			
			FLOC	DR				PAI	RTITIONS			CEILIN	G			DOOR	RS		WINI	DOWS		HVAC		PLU	JMBING			ELECTRIC	AL		E	QUIPMENT		<u> </u>	BUILT-INS	<u>. </u>	SPECIAL SYST	rems	
	Carpet	Wood	Polished or Stained Concrete Sports	Ceramic Tile	Quarry Tile	Resilient	СМО	Gypsum Wallboard Ceramic Tile	Glass Wall	Markable Wall Folding Wall	Exposed Structure	al Ceilir	Gypsum Wallboard Ceiling Height Min/Max	Alum. Storefront	Hollow Metal	Wood, plastic laminate	Koll-up, interior non- insulated Roll-up, interior grille	View Lite	Interior	None Daylighting	Exhaust to exterior	Fume Hood Dust Collection System	Sink	s	Drinkning fountain	Eye wash Floor drain	Duplex	Data / Voice	Switching to Allow Multiple Light Levels	Specialty	Lockers Markerboard	Tackboard / Tackwall Interactive Board	Projection Screen	Base Cabinets with Counters	Wall Cabinets Tall Storage Cabinets	Fail Storage Capinets Built-in Shelves	Phone Sound System and microphone	Specialty	NOTES
Administration / Guidance																																							
Administration																																					,		
Main Reception	Х		Х			Х	Х	Х	Х			Х		Х				Х	Х	Х							7 2	4	Х			Х					Х		A, D
Office A- Registrar/Secretary	Х						Х	Х				Х				Х		Х		Х							4 1	2	Х			1					Х		
Office C (Principal)	Х						Х	Х				Х				Х		Х		Х							4 1	2	Х								Х		D
Restroom			х	Х			Х	Х Х				Х				Х				Х			Х			Х	1											Х	
Office B (A.P.)	Х						Х	Х				Х				Х		Х		Х							4 1	2	Х								х		
Office B (GT Clerk)	Х						Х	Х				Х				Х		Х		Х							4 1	2	Х								х		
A.P. Reception / Waiting	Х						Х	Х	Х			Х		Х				Х		Х							4 1	2	Х			1					Х		
Main Conference Room	Х						Х	Х	Х			Х		Х				Х		Х							6 2	4	Х								Х		D
Small Conference Room	Х						Х	Х	Х			Х		Х				Х		Х							4 1	2	Х								Х		D
Storage			Х			Х	Х	Х				Х				Х		Х	1	Х							1	1											
Testing Storage/Checkout Room			Х			Х	Х	Х				Х				Х		Х	1	Х							1	1											
Textbook Storage			X			Х	Х	Х				Х				Х		Х	1	х							1	1						Ш			<u>. </u>		
Office A (Registrar/Security)	Х						Х	Х				Х				Х		Х		Х							4 1	2	Х		1	1					Х		
Health Clinic																																		Ш			<u>. </u>		
Health Clinic			х			Х	Х	Х				Х				Х		х	Х	Х			1			1	6 1	2	Х					Х	Х		Х		K, L
Office A			х			Х	Х	Х				Х				Х		х	Х	Х							4 1	2	Х			1		Ш			Х		
Restroom				Х	Х	(Х	Х Х					Х			Х			1	х			1			1	1												U
Storage Room			Х			Х	Х	Х				Х				Х		Х	1	Х							1	1											
Office B (Itinerant)	Х						Х	Х				Х				Х		Х		Х							4 1	2	Х								Х		
Teacher Planning	Х						Х	Х	Х	Х		Х		Х				Х		Х							4 1	2	Х								Х		
Records / File Room			Х			Х	Х	Х				Х				Х		Х		Х							1	1								Х	Х		
Teacher Lunch/break Room	Х		Х		Х	(X	Х	Х				Х				Х		Х		Х			1			Х	8 2	2	×	(1	1		Х	Х	Х	Х		Q
Teacher Workroom	Х		х			Х	Х	Х				Х				Х		х		Х			1			Х	8 2	4	×	(1	1		Х	Х	Х	Х		Q, V
Mail Room			х			Х	Х	Х				Х						Х		Х						Х	2	1				1					Х		
Shared																																		Ш			<u>. </u>		
Professional Development / Data Center	Х		х			Х	Х	Х	Х	Х		Х				Х		Х	Х	Х							6 2	4	Х			2		ШΤ			Х		D
Multi-use Storage Room			х	ot		Х	Х	Х				Х		х	\bot	Х		Х		х	\perp						1	1						ШT		7			
After School/General Storage			Х			Х	Х	Х				Х				Х		Х		Х							1	1											
New Mother Room	Х		X			Х	Х	Х				Х				Х		Х	Х	Х							2	1	Х			1		Ш			Х		
Multi-use / Community Room	Х		X			Х	Х	Х	Х	Х		Х	9/1	0 X		Х		Х		Х	\perp		1				8 4	4	Х			1		Х	Х		Х		







							FINISH	ES										OPENI	INGS			Т			HVA	C, PLUN	/BING AN	ID ELE	CTRICAL				Т			EQUIPN	VENT A	ND SP	ECIAL S	YSTEM			\top	$\overline{}$
			FLOOI	R				P	PARTITIONS				CEILING				DOORS	s		V	VINDOWS	,	HVAC			PLUMBII	NG			ELECT	TRICAL			Е	EQUIPMEN	NT	$\neg \Box$		BUILT-INS		SPEC	IAL SYSTEN	MS	,
		T		T			<u>s</u>					Τ.		Т	Н	Т	e e		. T		Т			Ε												\Box	_	$\neg \neg$	\neg	\top	+	$\overline{}$	_	,
	arpet Vood	oncrete		eramic Tile	Quarry Tile	esinous	/anufacturer's Pane	GWB	eramic Tile or FRP	1arkerble Wall	olding Wall	xposed Structure	coustical Celling Tile	eiling Height	luminum	ollow Metal	itic la	oll-up, interior glass		nterior	lone	ng Bu	xhaust to exterior ume/Exhaust Hood	ust Collection Syste	ink atural Gas (double	utlet @ each) rinkning fountain	ye wash & Shower	loor drain	xəldn	luad	ata / Voice	Aultiple Light Levels	pecialty	1arkerboard	ackboard / Tackwall	ம	rojection Screen ase Cabinets with	ounters	Vall Cabinets all Storage Cabinets	all storage cabinets uilt-in Shelves	hone	ound System and nicrophone	pecialty	IOTES
Food Service	0 /		TE O N	U		<u> </u>		U	0 0	_			4 0	02			1			-	_				<i>6</i> 2	0 0	ш			Ü		n	,		F							S E	S	_
Food Preparation																																												
Cooler					Х	Х	Х					М	lfr.		Mfr.																													
Freezer					Х	Х	Х					М	lfr.		Mfr.						Х																							
Dry Storage					Х	Х		Х)	х			Х	Х				Х								Х															
Kitchen Manager's Office					Х	х		Х	х)	х			Х	Х		Х	Х	Х								2	2	2	Х		Х	Х						Х			
Food Prep. / Cook Line		Х			Х	Х			х)	x			Х	Х						х х		Х			X as	s require	ed for	equip	ment												
Laundry Area		Х			Х	Х		Х	х)	х			Х	Х				Х		Х					х	1			Х												N,O
Custodial		Х			Х	Х		Х	х)	х			Х	Х				Х		Х		Х			Х	1															N,O
Locker Room		Х		Х	Х	Х		Х	Х)	x			Х	Х				Х		Х		Х			Х	1			Х	Х		Х	Ш					Х			J
Restroom		Х		Х	Х	Х		Х	Х)	x			Х	Х				Х		Х			Х		Х	1							Ш								J
Serving Area		Х			Х	Х		Х	х)	X			Х	Х	X		Х			Х		Х			Х	Х	X 1	l per P	OS												
Student Dining																																												
Commons Area			Х			Х		Х			Х	X X	х х	16/20		Х	Х	Х	X	Х		Х				Х			12	4	4	Х		Х	Х						Х			R
Storage		Х	х			Х		Х								Х	Х			Х	Х								1															
Control Room		Х	Х			Х		Х)	х х			Х	Х		Х	Х									4	3	4)	ĸ											
Stage	Х					Х		х)	х			Х	Х												3	6	5)	X			1 T	Х							T, J



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									FINISH	ES											OP	ENING	S						HVA	C, PLUN	/BING	AND EI	ECTRIC	CAL						E	QUIPM	IENT A	ND SPE	CIAL SY	STEMS			
				FL	LOOR						PARTITI	ONS				CEILING				DC	ORS			WIND	ows		HVAC			PLUM	BING			EL	LECTRICA	AL			EQU	IPMENT			В	JILT-INS		SPECIAL S	SYSTEMS	
	Carpet	Wood	Concrete Polished or Stained		Sports Ceramic Tile	Ouarry Tile	Resinous	Resilient	СМО	Gypsum Wallboard	Ceramic Tile or FRP	Glass Wall	Markable Wall	Folding Wall	Exposed Structure	Pronounce Board	Ceiling Height	Miny Max	Hollow Metal	Wood, plastic laminate	Roll-up, interior non- insulated	Roll-up, interior grille	View Lite	Interior None	Daylight Exposure	Exhaust to exterior	Fume Hood	Dust Collection System	Sink	Natural Gas Drinkning fountain	Eye wash	Floor drain	Duplex	Quad	Data / Voice	Switching to Allow Multiple Light Levels	Specialty	Lockers	Markerboard	Tackboard	Interactive Board	Projection Screen Base Cabinets w/	Counters	Tall Storage Cabinets	Built-In Shelves	Phone Sound System and	microphone Specialty	Notes
Custodial / Maintenance																																																
Receiving Entry			Х						Х)	(16/2	20	Х		Х		Х								Х	Х	4		1											Х		
Plant Engineer Office				Х				Х	Х	Х)	(Х				Х	Χ	Х								4	2	2	Х			1	1								
Custodial / Maintenance Storage			Х	Х				Х	Х	Х)	(Х				Х	Х								Х	6		1				1	1								
Supply Storage																																																
IT Support				Х				Х	Х	Х)	(Х				Х	Х	X								12	4	6				1	1								
Custodial Closets			Х		Х		Х		Х)	()	(Х	Х				Х								Х	1															N





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	Ī				FLOC	DR						PARTIT	IONS				CEILIN	IG				DOOF	RS			WIND	oows		HV	AC			PLUMB	ING				ELECTR	CAL			Е	EQUIPM	IENT	-		ſ	BUILT-II	INS		s	PECIAL S	SYSTEMS	s	1	
		Carpet	Concrete	Polished or Stained	Concrete	Ceramic Tile	Quarry Tile	Resionous	Resilient	сми	Gypsum Wallboard	Ceramic Tile	Glass Wall	Markable Wall	Folding Wall	Exposed Structure		E 1	Celling Height Min/Max	Ę	Hollow Metal	Wood, plastic laminate	Roll-up, interior non- insulated	Roll-up, interior grille	View Lite	Interior	None Daylighting	Exhaust to exterior	Exhaust to exterior	motan Sucitoria	llection syst	Natural Gas		Eye wash	Floor drain	Duplex	Quad	Data / Voice	Switching to Allow Multiple Light Levels	Specialty	Lockers	Markerboard	Tackboard / Tackwall	Board	Production Creen	Base Cabinets with	Counters	Wall Cabinets	Tall Storage Cabinets	Built-in Shelves	Phone	Sound System and microphone	microphone	Specialty	NOTES	3
Building Support																																							,	, Ç,																
Corridors			Х	X					Х	Х	Х		Х		Х	Х	Х			Х	Х	Х		Х	Х)	(X						Х			Х	Х						Х	Т				Т			Х					
Student Restrooms			Х			Х		Х		Χ	Х		Х					Х		N	No Do	oors								>	х х	(Х	Х	Х	Х													Х				Ī	
Adult Restrooms			Х			Х		Х		Χ	Х		Х				Х	Х				Х								>	х х	(Х	Х	Х	Х													Х				Ī	
Stair, Main / Open			Х	. x					Х	Χ	Х		х			Х	Х	Х			Х				х		Х																								ı				Ī	
Stair, Exit			Х	. x					Х	Χ						Х		Х			Х				х		Х																								ı				Ī	
Mechanical Room			Х							Χ						Х)	(1	2													1				Ī	
Electrical Room			Х						Х	Χ	Х					Х)	(1	2													1				1	
Building Data Room			Х						Х	Χ	Х		х			Х)	(1				1	
Elevator									Х	Χ					N	∕lft St	andar	d)	(\top							1				3	į
Elevator Machine Room			Х						Х	Х						Х	х				х	Х				х																				\top					Х					