HOUSTON INDEPENDENT SCHOOL DISTRICT

# HISD EDUCATIONAL SPECIFICATIONS



# FINAL

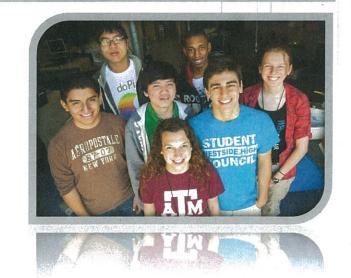
Approved by:

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# HIGH SCHOOL FOR LAW & JUSTICE

**December 17, 2014** 





# CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING

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#### **HIGH SCHOOL FOR LAW & JUSTICE**

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.

#### **High School for Law & Justice's Guiding Principles:**

#### AT HSLECJ WE:

- Have a clear focus on academics.
- Must leave open the possibility of change and not lock our facility into a singular vision
- Need to personalize our new facility to address weaknesses and capitalize on our strengths
- Know digital learning is key and mobility of information is the way of the future

#### High School for Law Enforcement & Criminal Justice's Guiding Principles

#### **Incorporate Integrated Learning -**

Through transparent instruction, students are challenged to consider various dimensions of a problem from multiple perspectives, making conceptual connections across subject matters and disciplines. (Include statement that expresses education mission of the school)

#### **Achieve a Focused Learning Environment -**

Curriculum must be rigorous, hands on and go beyond standard education and work force expectations. Learning areas must be open for collaboration and sharing of ideas while meeting the needs of our JROTC, criminal justice, emergency services, legal studies, and physical education curriculum.

#### Provide A Social Curriculum -

An open and spacious learning environment will allow students to develop the ability to work respectfully and compassionately with others in a collaborative setting.

#### Our Students will have a Self-Governing Learning Environment -

Transparent facilities communicate a learning environment where students receive life skill instruction and opportunity to develop and exercise confidence and self-discipline required to govern themselves, and fulfill their academic requirements; while remaining under instructor supervision.

#### Intellectual Discipline and Creativity can be Achieved -

By utilizing an open, transparent, and spacious learning environment, innovation, ingenuity, and critical problem solving can be developed and demonstrated through hands-on and interests based experiences within the academic program.

#### Safety is Paramount -

The learning environment will be safe with one, clearly defined main entrance for campus visitors. The campus must have a logical flow with open visibility for passive or active oversight.

#### **Building Relationships are Important for Student Success -**

The school needs spaces for mentorships with HISD, HPD, HCC. Spaces can be used by other outside agencies to build mentorships and work together for long-term success for partnerships



and student career pathways. Spaces should allow for collaboration between stakeholders (parents, teachers, students, administration).



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### **Executive Summary**

#### Overview:

College and career readiness is a key priority for HISD and by working closely with college partners and area businesses the students are prepared for post-secondary success. They participate in rigorous core academic courses as well as specialized courses in career-focused 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.

The High School for Law Enforcement & Criminal Justice is a specialized magnet school with a unique curriculum designed to allow students to explore careers related to law enforcement/criminal justice and other related emergency services. The new facility for Law Enforcement & Criminal Justice should provide students and staff with a safe facility where a strong academic education is given in conjunction with an in depth study of Law Enforcement and Criminal Justice and related professions. At the High School for Law Enforcement & Criminal Justice, students take vocational classes at each grade level to expose them to the knowledge, skills and experience necessary for law enforcement and legal-related criminal justice careers. The program strives to develop students to be culturally enriched, professionally competitive, technologically advanced, environmentally aware, and productive citizens. More than 95% of the students graduate as Texas Scholars and 90% of the graduating class attends a 2 or 4 college/university program.

This Educational Specification evolved through a collaborative process with HSLECJ's Project Advisory Team (PAT). It was developed by exploring program requirements of High 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



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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.

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

21<sup>st</sup> 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 High School level, spaces are increasingly organized in houses, schools-withinschools or small learning communities. Essentially these concepts are similar. They all include learning centers and teacher support areas located together with Special Education, Career and Technical Education (CTE) and Administration, creating personalized, smaller Neighborhoods within the larger facility.

### **Learning Centers**

The focus for all disciplines with this Ed Spec is to create flexible and dynamic learning centers that support 21<sup>st</sup> century learning for whole group, small group, and individuals. Addressing the needs of all learners requires that learning be experiential and hands-on.

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.



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Science Learning Centers/Wet Labs will have perimeter counters and sinks with tables that can be configured for individual activities, small group clusters, lab stations or moved back to the edges of the room for experimentation that requires free movement. Each Science Learning Center/Wet Lab will contain a sink for every 4 students and a demonstration table for teacher demonstration of experiments.

The Wet Lab portion of the Crime Lab/Criminal Justice learning space will have perimeter counters and sinks with tables that can be configured for individual activities, small group clusters, lab stations or moved back to the edges of the room for crime scene demonstrations and other activities that require free movement. This space will contain a sink for every 8 students and a demonstration table for teacher demonstration of experiments.

A variety of spaces have been included to support non-core academic learning. Learning Centers for visual and performing arts, world language, CTE, and physical education will be configured to provide maximum flexibility through the use of moveable furnishing, fixtures, and equipment with acoustic control, plumbing, etc. to support the intended primary user.

### **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, multi-grade groupings, or departmental groupings. The learning communities should be located near the Media Center and away from noisy spaces such as the Gymnasium and Cafeteria. Special attention should be given to accessibility of all educational and support spaces and an integrated learning program.

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#### **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. Performance, storage areas, practice rooms, and scene shop areas will connect with the larger space.

#### **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 gymnasium. 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 gym 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.

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#### **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 available in each 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 grade level 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

**HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL FOR LAW & JUSTICE** 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

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# **Capacity Model**

#### **HISD High School for Law and Justice Capacity Model**

Prog	Program Capacity Calculation						
	# Teaching Stations	Students per Teaching Station	Building Capacity	% Utilization	Program Capacity		
Core Academic Learning Center (English,							
Math, Social Studies, World Language, ESOL,	17	28	476	85%	405		
Health)							
Science Learning Center/Wet Lab	4	28	112	85%	95		
Teaching Stations Specific to Program	5	28	140	85%	119		
JROTC	2	28	56	85%	48		
Visual Arts Learning Center	1	28	28	85%	24		
Performing Arts Learning Center	1	28	28	85%	24		
Gymnasium (Main Gymnasium counts as 2 teaching stations)	2	32	64	85%	54		
Total	32		904		768		



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# **Space Requirements Summary**

HISD High School for Law & Justice Space Requirements Summary

	Summary of Re	equired Spaces
	Teaching Stations	Square Feet
Core Academic Area	21	28,452
Space Allocation Specific to Program	5	6,300
Visual Arts	1	1,530
Performing Arts	1	3,500
Physical Education/Athletics	2	13,688
JROTC	2	3,120
Welcome Center/Administration Space Requirements	0	6,680
Food Service Space Requirements	0	8,531
Support	0	1,925
Total Net	32	73,726
Building Support (wall thicknesses, corridors, stairwells, elevator, group restrooms, mechanical rooms, electrical rooms, etc.)	38%	28,016
Total Gross		101,741



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**Space Requirements** 

		Required Spaces				
Neighborhoods	Teaching Stations	Quantity	Square Feet	Net Area		
Learning Center	17	17	850	14,450		
Science Learning Center/Wet Lab	4	4	1,650	6,600		
Wet Lab Storage		2	200	400		
Business & Law (Flex Lab)		1	950	950		
Learning Commons/Information Center						
Learning Commons-Reading/Instructional Area		1	1,120	1,120		
Learning Commons - Circulation		1	1,755	1,755		
Learning Commons/Information Center - Ancillary/Storage		1	842	842		
Law Library		1	850	850		
Special Education Kitchen/Restroom/Changing Room/Storage		1	450	450		
Small Group Room		2	120	240		
Teacher Work/Break Room		1	450	450		
Storage		1	400	400		
To	tal 21			28,506		

Career and Technical Education	Required Spaces			
Career and Technical Education	Teaching Stations	Quantity	Square Feet	Net Area
Crime Scene Learning Center/Wet Lab	1	1	1,600	1,600
Crime Lab Storage		1	200	200
Fire Science Lab	1	1	950	950
Fire Science Lab Storage		1	200	200
Court Room	1	1	900	900
Court Room Jury Room		1	200	200
Court Room Judge Chamber (Office A)		1	100	100
Court Room Holding Area/Storage		1	200	200
CTE - Political Sci/Government	1	1	850	850
Emergency Services/Communications	1	1	950	950
Server and Manual Storage		1	150	150
Total	5			6,300

Visual Arts	Required Spaces				
Vidual / ELO	Teaching Stations	Quantity	Square Feet	Net Area	
Visual Arts Learning Center	1	1	1,200	1,200	
Kiln Room		1	80	80	
Storage Room		1	250	250	
Total	1			1,530	



Performing Arts	Required Spaces				
T CHOTTING FALCE	Teaching Stations	Quantity	Square Feet	Net Area	
Black Box /Drama/Theater Learning Center	1	1	1,600	1,600	
Costume Storage (Boys/Girls)		2	300	600	
Prop Storage		1	300	300	
Scene Shop		1	400	400	
Scene Storage		1	300	300	
Control Room		1	175	175	
Practice Room		1	125	125	
Total	1			3,500	

Dhysical Education/Athletics	Required Spaces			
Physical Education/Athletics	Teaching Stations	Quantity	Square Feet	Net Area
PE/Athletics Lobby		1	550	550
School Store		1	200	200
Gymnasium (seating for 1/2 program capacity of school)	2	1	9,124	9,124
Fitness/Weight Room		1	1,000	1,000
Boys'/Girls' PE Locker Room		2	600	1,200
Toilets/Showers		2	200	400
Adult Toilet/Shower/Locker		2	100	200
Office (shared)		2	175	350
Laundry		1	100	100
PE Equipment Storage		1	300	300
Athletic/Outdoor Equipment Storage		1	300	300
Total	2			13,724

	Required Spaces				
Junior ROTC (Army)	Teaching Station(s)	Quantity	Square Feet	Net Area	
JROTC Learning Center	2	2	850	1,700	
Chair & table storage		1	350	350	
Uniform, drill team, color guard storage		1	350	350	
Instructors Center		1	150	150	
Small Group collaboration area		1	120	120	
Firing Range		1	2,000	2,000	
Arms Storage		1	100	100	
Target Storage		1	100	100	
Total	2			4,870	



		Required Spaces			
Administration/Guidance		Teaching Stations	Quantity	Square Feet	Net Area
Administration					
Reception, Administration			1	350	350
Office A			2	100	200
Office C (Principal)			1	250	250
Restroom - Principal Office			1	50	50
Office B (AP)			2	125	250
AP Reception/Waiting			1	100	100
Conference Room, Main			1	325	325
Conference Room, Small			1	150	150
Storage			1	125	125
Health Clinic			1	500	500
Reception/Waiting			1	75	75
Office A			1	100	100
Restroom			1	65	65
Guidance/Student Services					
Reception, Guidance			1	120	120
Office B (Attendance, Registrar, Counselor)			2	125	250
Conference Room, Small			1	150	150
Records/File Room			1	175	175
Magnet/Recruitement Services					
Reception, Magnet			1	120	120
Office B			1	125	125
File/Records Room			1	150	150
Administration/Guidance Workroom/Break Room			1	300	300
Shared					
Professional Development/Data Center			1	250	250
Teacher Work Center			2	900	1,800
Office B (Itinerant)			4	125	500
Multi-use/Community Room			1	200	200
	Total	0			6,680

	Required Spaces			
Food Service	Teaching Stations	Quantity	Square Feet	Net Area
Kitchen Preparation Area		1	900	900
Serving Area		1	500	500
Dry Storage		1	225	225
Freezer		1	175	175
Cooler		1	150	150
Kitchen Manager's Office		1	100	100
Laundry/Custodial Area		1	75	75
Locker Room/Restroom		1	125	125
Student Dining Commons (seating for 1/3 of students at one time plus 200 for dining)		1	4,755	4,755
Stage		1	1,200	1,200
Control Room		1	100	100
Dining Commons Storage		1	300	300
Total	0			8,605



	Required Spaces			
Support		Quantity	Square Feet	Net Area
Receiving Entry		1	150	150
Office, Plant Engineer		1	75	75
Custodial/Maintenance Storage		1	200	200
Supply Storage		1	250	250
IT Support		1	100	100
Custodial Closet		3	100	300
Total	0			1,075

	Required Spaces			
IT Support	Teaching Stations	Quantity	Square Feet	Net Area
Computer Repair Room (with transaction counter)		1	425	425
Computer Storage Room		1	425	425
Total				850



# SITE

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### **Site**

#### **Space Requirements**

#### **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.

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### **Design Considerations**

- The outdoor playing fields shall accommodate the physical education program, JROTC, 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.



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- 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



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#### Site

#### Future T-Buildings Area

<u> </u>	
USERS:	ACTIVITIES:
<ul> <li>Students</li> </ul>	Generally square area to accommodate six (6) temporary
<ul> <li>Faculty/staff</li> </ul>	buildings.

#### **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



# Service Court/Access Drive/Dumpster

1 Recycling Bin (dumpster)

	· · · · · · · · · · · · · · · · · · ·		
USERS:	ACTIVITIES:		
Maintenance Staff	School deliveries		
<ul> <li>Custodial Staff</li> </ul>	Waste disposal bins (dumpsters)		
<ul> <li>Food Service Staff</li> </ul>			
<b>DESIGN CONSIDERATIONS:</b>			
<ul> <li>Locate in close proximity to</li> </ul>	Receiving Entry and Food Service		
<ul> <li>Area should be sited or shie</li> </ul>	Area should be sited or shielded so that a visual screen is created		
Consider turning radii and path of delivery vehicles			
Provide drains at waste disposal bins			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
Screening			
Owner Furnished – Contractor Installed			
• None			
Owner Furnished - Owner Ins	Owner Furnished – Owner Installed		
3 Waste Bins (dumpsters)			



#### **HIGH SCHOOL FOR LAW & JUSTICE**

#### Site

### Bus Loop/Parking/Staging

USERS:	ACTIVITIES:
Staff     Tagabara	Entry, exit and staging of up to 16 buses     Oversight parking for up to 6 buses/decision parking for
<ul> <li>Teachers</li> </ul>	<ul> <li>Overnight parking for up to 6 buses/daytime parking for</li> </ul>
Students	driver's personal vehicles
<ul> <li>Parents</li> </ul>	
<b>DESIGN CONSIDERATIONS:</b>	
The designated loading zon	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 in close proximity to the main entrance, preferably near large assembly area within the school building and as a second priority, outdoor play area.
- Provide a convenient, covered, accessible loading area for buses that is closer to the school than the car loading area.

### FURNITURE, FIXTURES & EQUIPMENT:

Contractor Furnished – Contractor Installed

None

Owner Furnished - Contractor Installed

None

Owner Furnished - Owner Installed



# Site

# Car Parking

Car Parking			
USERS:	ACTIVITIES:		
<ul> <li>Parents</li> <li>Students (High School)</li> <li>Community members</li> <li>Faculty/Staff</li> </ul>	<ul> <li>Parking for School Faculty and Staff (50) plus 10%</li> <li>Parking for Guests – provide spaces equal to 1% of the student capacity or 10 spaces or Houston City code, whichever is greater.</li> <li>Student parking of 25% of student population if possible due to the constraints of the site.</li> </ul>		
<b>DESIGN CONSIDERATIONS:</b>			
<ul> <li>Separate car parking from bus traffic and car drop-off/pickup</li> <li>Car drop-off/pickup should not interfere with traffic flow to car parking</li> <li>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.</li> <li>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</li> <li>Locate 15 of the staff spaces near the Service Court for use by the Maintenance, Custodial and Food Service Staff</li> </ul>			
	FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contr			
<ul><li>Consecutively numbered sp</li><li>"Visitor" spaces</li></ul>	paces		

# • 6 "Reserved" spaces Owner Furnished – Contractor Installed

None

#### Owner Furnished - Owner Installed



**HIGH SCHOOL FOR LAW & JUSTICE** 

Owner Furnished - Contractor Installed

#### **Site**

# Car Staging/Access

USERS:	ACTIVITIES:		
<ul> <li>Parents/Students</li> </ul>	Safely discharge and pick-up students from private vehicles		
<b>DESIGN CONSIDERATIONS:</b>			
<ul> <li>Accommodate parent drop</li> </ul>	off equal to 20% of student population		
<ul> <li>The designated loading zor</li> </ul>	e shall provide a minimum of 60 inches wide by 240 inches long		
clear floor area adjacent to	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 and do not interfere with bus loading.			
<b>FURNITURE, FIXTURES &amp; EQ</b>	UIPMENT:		
Contractor Furnished – Contractor Installed			
None			

Owner Furnished – Owner Installed

None

# Site

#### **Pedestrian Circulation**

USERS:	ACTIVITIES:		
Staff/Faculty	<ul> <li>Safe and secure passage from parking/access areas to the</li> </ul>		
<ul> <li>Parents</li> </ul>	school's indoor facilities and to the outdoor facilities		
<ul> <li>Students</li> </ul>	including all athletic facilities		
<ul> <li>Community</li> </ul>			
<b>DESIGN CONSIDERATIONS:</b>			
<ul> <li>Provide permanent walkwa</li> </ul>	Provide permanent walkways where anticipated foot traffic would destroy vegetation or		
where required for ADA compliance access			
<ul> <li>Provide minimum 10'-0" wide walkways to and at Bus Staging</li> </ul>			
Provide minimum 6'-0" wide walkways to and at Car Staging			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contr	ractor Installed		
None			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			



#### Site

### Playing Field/Track

ACTIVITIES:
PE Classes
Athletic practices

#### **DESIGN CONSIDERATIONS:**

- Provide a minimum of 1 multi-purpose playing field
- Field should be approximately 160'x360' layout within a 400 meter, 8 lane track. As closely as possible, align the field along a NW/SE axis.
- Fields should be relatively level but sloped to drain without need of underground drainage
- Locate for ease of access for PE classes
- Provide space for future bleachers, concession/ticket stand, and scoreboard.
- Provide 4'-0" high perimeter fencing around the track.

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

- Permanently installed apparatus/infrastructure:
  - Banked track with two straight runs and two semicircular ends. The length of the straight sections and the curves shall be equal. A curb at grade shall mark the inner limits of the track. The curb shall be cut at regular intervals to allow for drainage. Track shall be rubberized with markings for:
    - a. 100 meter, straight start
    - b. 200 meter, straight start
    - c. 400 meter, curved start
    - d. 800 meter, curved start
    - e. 1600 meter, curved start
    - f. 3200 meter, waterfall start
    - g. 4 x 100 meter relay, staggered start plus exchange zone
    - h. 4 x 200 meter relay, stagger start plus exchange zone
    - i. 3200 meter relay, waterfall start plus exchange zone
    - j. 100 meter hurdles, straight start
    - k. 110 meter hurdles, straight start on apron
    - 300 meter intermediate hurdles, one curve staggered start
- · Electrical stub outs from main facility for scoreboards and field lighting
- Underground drainage system with catch basins located outside of activity areas for safety of players.
- Irrigation system

#### Owner Furnished - Contractor Installed

None

#### Owner Furnished - Owner Installed



# Site

#### Basketball

USERS:	ACTIVITIES:
<ul> <li>Students (PE)</li> </ul>	<ul> <li>Learning the fundamentals of basketball</li> </ul>
<ul> <li>Faculty</li> </ul>	Practicing
<ul> <li>Athletic Teams</li> </ul>	Exercising
<ul> <li>Community</li> </ul>	JROTC Drill practice
DESIGN CONSIDERATIONS:	
Provide 1 full basketball court on concrete surface with marking and 4 permanent goals	
Locate for ease of access for PE classes	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
Basketball court, markings and goal	
Owner Furnished – Contractor Installed	
None	
Owner Furnished – Owner Installed	

# OF STREET

#### HISD EDUCATIONAL SPECIFICATIONS

#### **HIGH SCHOOL FOR LAW & JUSTICE**

#### Site

#### General

USERS:	ACTIVITIES:
<ul> <li>Parents</li> </ul>	<ul> <li>Access to school and its facilities</li> </ul>
Students	
Community members	
Faculty/staff	

#### **DESIGN CONSIDERATIONS:**

- All exterior signage, fencing, and railings should be included in design documents
- Provide site lighting for security and visibility
- 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
- Main entrance should have view to parking lot for surveillance of approaching visitors

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### **Contractor Furnished – Contractor Installed**

- Marquee sign, directional and traffic signage, fencing and railings
- Site lighting
- Flagpole
- Bike Racks
- Landscaping
- Irrigation system at front entrance

#### Owner Furnished - Contractor Installed

None

#### Owner Furnished - Owner Installed

Flags





# **NEIGHBORHOODS**

HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL for LAW & JUSTICE

DECEMBER 17, 2014 CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



**HIGH SCHOOL FOR LAW & JUSTICE** 

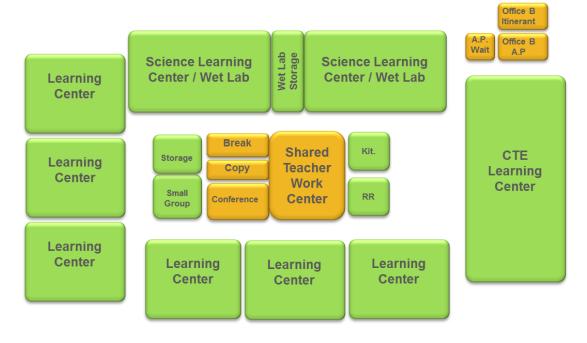


### Overview:

Core academic requirements for all children are mandated by state and federal law. HISD's promise is to provide 21<sup>st</sup> 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, Core Academic Learning Centers, Science (or other flex) Lab space, and a CTE Learning Center. The neighborhoods will be arranged adjacent to common learning areas as well as Assistant Principal's offices.



# 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.



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## **Space Requirements**

Naimheada	Required Spaces			
Neighborhoods	Teaching Stations	Quantity	Square Feet	Net Area
Learning Center	17	17	850	14,450
Science Learning Center/Wet Lab	4	4	1,650	6,600
Wet Lab Storage		2	200	400
Business & Law (Flex Lab)		1	950	950
Learning Commons/Information Center				
Learning Commons-Reading/Instructional Area		1	1,120	1,120
Learning Commons - Circulation		1	1,755	1,755
Learning Commons/Information Center - Ancillary/Storage		1	842	842
Law Library		1	850	850
Special Education Kitchen/Restroom/Changing Room/Storage		1	450	450
Small Group Room		2	120	240
Teacher Work/Break Room		1	450	450
Storage		1	400	400
To	tal 21			28.506

### **HIGH SCHOOL FOR LAW & JUSTICE**



### **Learning Center**

USERS:	ACTIVITIES:
<ul><li>Teachers</li><li>24 - 30 Students</li></ul>	<ul> <li>Mastering the core curriculum</li> <li>Mastering 21st Century learning skills</li> <li>Project-based learning</li> <li>Technology - based instruction</li> <li>Activities that stimulate inventive thinking, creativity and imagination</li> <li>Collaborative relationship building</li> <li>Demonstrations</li> <li>Working individually, in small groups and in large groups</li> </ul>

#### **DESIGN CONSIDERATIONS:**

Operable partitions are permitted in this area.

### **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
- 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
- Student Area:
  - 28 Student tables
  - 28 Student chairs
  - 3 computer tables, 30"x60"
- 2 tall 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



### **HIGH SCHOOL FOR LAW & JUSTICE**

### Neighborhoods

### Science Learning Center/Wet Lab

USERS:	ACTIVITIES:
Teacher Staff/Faculty 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     Demonstrations

#### **DESIGN CONSIDERATIONS:**

- · Emergency utility shut-off
- Power and data in apron of casework
- One station in each lab to be handicapped accessible
- Adjacent to math area

#### **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
- Adjacent or Rear Wall:
  - 2 4'x4' Tack Boards (one on each side of 8'x4' Marker Board)
  - 1 − 8'x4' Marker Board
- Casework Side wall:
  - Sink cabinets and drawer/door cabinets
  - Drying racks above sinks
  - Door/shelf cabinets above sinks
- Safety station(s) (number determined by code) including eyewash, body drench shower, fire blanket, fire extinguisher
- · Goggle cabinet with UV light for disinfecting
- Fume hood in 1/3 of Learning Centers/Wet Labs at wall connecting with Prep Room Prefer 2 sided Fume Hood
- · Fixed science demonstration table with gas and water

#### **Owner Furnished - Contractor Installed**

- Paper towel dispensers
- Soap dispensers

- 7 4-person tables with chemical resistant epoxy tops
- 29 adjustable height stools
- 3 Grow tables with lights for biology.
- 2 tall storage cabinets with adjustable shelving
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Shallow drawer cabinet (must accommodate 24" x 46" paper)
- Electronic Whiteboard
- Clock
- Large Periodic Table Chart and other large wall charts (provide clear wall space and tack boards to hang additional material)
- Water distiller system to make distilled water



# HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL FOR LAW & JUSTICE

## **Neighborhoods**

### Wet Lab Storage

USERS:	ACTIVITIES:
<ul><li>Teacher</li><li>Staff/Faculty</li><li>Students</li></ul>	Teacher preparation and clean-up for lab exercises

#### **DESIGN CONSIDERATIONS:**

• If more than one fume hood, locate to minimize the visual connection from one classroom to another.

### **FURNITURE, FIXTURES & EQUIPMENT:**

### Contractor Furnished - Contractor Installed

- Refrigerator/freezer with small ice maker, not self-defrosting so that temperature will be constant
- Casework on one wall with chemical resistant countertop, drawer/door base cabinets, and open shelf wall cabinets
- Drying rack mounted above sink
- Fire rated chemical storage cabinet
- Residential dishwasher with permanently attached sign stating: Thoroughly rinse all acid containing items before placing in dishwasher

### Owner Furnished - Contractor Installed

- Paper towel dispenser
- Soap dispenser

- 2 tall work stools
- Maximum linear feet of 12"D, adjustable height wooden shelving with rim guards on wall facing casework
- 36"W x 84"H lockable storage cabinet
- · Acid base storage cabinet, lockable



**HIGH SCHOOL FOR LAW & JUSTICE** 

### **Neighborhoods**

### Flex Lab - Business & Law Lab

USERS:	ACTIVITIES:
<ul><li>Teachers</li><li>24-30 Students</li></ul>	<ul> <li>Mastering the core curriculum</li> <li>Mastering 21st Century learning skills</li> <li>Project-based learning</li> <li>Technology-based instruction</li> <li>Activities that stimulate inventive thinking, creativity and imagination</li> <li>Collaborative relationship building</li> <li>Demonstrations</li> <li>Working individually, in small groups and in large groups</li> </ul>

#### **DESIGN CONSIDERATIONS:**

 Room will need an office area set up (100 s.f.) in rear of room. Cubicle design is an option, must have a desk space, phone and computer/desktop with data connections for program specific needs

### **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
- 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
- Stool
- Student Area:
  - 28 Student tables
  - 28 Student chairs
  - 3 computer tables, 30"x60"
- 2 tall storage cabinets with adjustable shelving
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Electronic Whiteboard
- Clock
- Classroom Phone
- Office area phone

### **HIGH SCHOOL FOR LAW & JUSTICE**

### Neighborhoods

### Learning Commons/Information Center

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

- 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.
- 2100 Linear feet of shelving will be needed
- Special collapsible shelving can be used
- Set aside room/area for video/media apart from books 60 ft-(linear)
- Space for desktops for computers with proprietary software and testing on perimeter walls

#### **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.
- 10 Tables
- 6 computer tables
- 2 Printer tables
- 38 chairs
- 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
  - Space for periodical rack
- Network capabilities for access to programs and on-line card catalog

#### Owner Furnished - Contractor Installed

None

- Soft seating: chairs and tables for 10
- 2 presentation/broadcast areas with electronic white boards
- Clock



**HIGH SCHOOL FOR LAW & JUSTICE** 

## Neighborhoods

Learning Commons/Information Center – Extended Learning Center

USERS:	ACTIVITIES:
Students	Reading
Faculty	Research
Staff	Technology based instruction for large group and small
<ul> <li>Community members</li> </ul>	group
and parents for after	Provide meeting areas for students and others
school events	Small group activities
<b>DESIGN CONSIDERATIONS</b>	
Some of the square footage	ge 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

### Owner Furnished - Contractor Installed

None

- Tables
- Chairs
- · Soft seating
- Clock

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### Neighborhoods

### Learning Commons/Information Center - Office/Storage

	<u> </u>
USERS:	ACTIVITIES:
<ul> <li>Media Specialist</li> </ul>	Paper work
<ul> <li>Faculty</li> </ul>	Processing materials
Staff	Laminating

#### **DESIGN CONSIDERATIONS:**

#### None

### **FURNITURE, FIXTURES & EQUIPMENT:**

### **Contractor Furnished – Contractor Installed**

- Blinds for windows
- Casework:
  - Maximum LF of cabinets on 2 walls, including sink cabinet, drawer/door cabinets and wall-mounted door/shelf cabinets
  - Center island with large, shallow drawers for posters, drawer/door cabinets, and open shelving
- 4'x4' marker board
- 4'x4' tack board

### Owner Furnished - Contractor Installed

- Paper towel dispenser
- Soap dispenser

- 2 Double pedestal desk with center drawer & lock, 60" x 30"
- 2 task chairs, swivel, tilt, armless
- 2 tall stools
- 3 4-shelf bookcases, 60"h x 36"w x 12"d
- 2 4-drawer vertical files, letter size, lockable
- Teacher wardrobe cabinet: coat hook, shelving, 2 drawers, lockable
- Refrigerator
- Fax machine
- Laminating machine
- 2 mobile book trucks





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### **Neighborhoods**

Learning Commons/Information Center - Law Library

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

### **DESIGN CONSIDERATIONS:**

- Adjacent to Political Science Learning Center if possible
- Adjacent to Court Room if possible

### **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.
- 12 Two person tables
- 24 chairs

### Owner Furnished - Contractor Installed

None

- Tables
- Chairs
- Clock



### **HIGH SCHOOL FOR LAW & JUSTICE**



### Special Education Learning Center

US	SERS:	AC	CTIVITIES:
•	4-10 students	•	Project-based learning
•	Teacher	•	Physical therapy (PT)
•	Teacher Aide(s)	•	Occupational therapy (OT)
•	Itinerant Staff	•	Social skills activities (appropriate social interaction skills,
	(Psychologist, Social		listening skills, etc.)
	Worker, Therapist, etc.)	•	Life skills activities (tooth brushing, personal care, career
	•		preparation, etc.)

#### **DESIGN CONSIDERATIONS:**

None

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

- Blinds for windows
- 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

None

- Teacher package
- Student Area
  - 7 open front 18"x24" student desks
  - 18 student chairs
  - 1 rectangular table, 30"x60"
  - 3 computer tables, 30"x48"
  - 1 half-moon table, 36"x72"
- 2 18" seat height, 4 leg chairs
- 2 tall storage cabinets with adjustable shelving
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Shallow drawer cabinet (must accommodate 24" x 46" paper)
- Electronic Whiteboard
- Clock





**HIGH SCHOOL FOR LAW & JUSTICE** 

## Neighborhoods

Special Education - Restroom/Changing Room

USERS:	ACTIVITIES:
<ul><li>Students</li><li>Teacher</li><li>Teacher Aide(s)</li><li>Staff</li></ul>	<ul> <li>Personal hygiene</li> <li>Diapering</li> <li>Catheterization</li> <li>Life skills activities (tooth brushing, personal care, career preparation, etc.)</li> </ul>
DESIGN CONSIDERATIONS:	1 1 , , ,

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



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## Neighborhoods

Special Education - Kitchen/Storage

Special Education - Michell/Storage			
USERS:	ACTIVITIES:		
Teacher	Breakfast and lunch preparation		
Teacher Aide(s)	<ul> <li>Staging meals before serving</li> </ul>		
	Cleaning equipment		
<b>DESIGN CONSIDERATIONS</b>			
None			
<b>FURNITURE, FIXTURES &amp; E</b>	QUIPMENT:		
Contractor Furnished - Con	tractor Installed		
<ul> <li>Refrigerator with ice make</li> </ul>	Refrigerator with ice maker		
Casework-handicapped accessible			
Sink cabinet			
Drawer/door base cabinets			
Door/shelf wall cabinets			
Owner Furnished – Contractor Installed			
Paper towel dispenser			
Owner Furnished – Owner Installed			

Maximum linear feet of 18"D, adjustable shelving in storage



**HIGH SCHOOL FOR LAW & JUSTICE** 

## Neighborhoods

Small Group Room

USERS:	ACTIVITIES:	
Teachers	Group meetings and work	
<ul> <li>Students</li> </ul>	Individual study	
	Testing	
<b>DESIGN CONSIDERATIONS</b>		
<ul> <li>Should have glass walls to</li> </ul>	allow for maximum supervision/visibility	
<b>FURNITURE, FIXTURES &amp; E</b>	QUIPMENT:	
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		



### **HIGH SCHOOL FOR LAW & JUSTICE**

## Neighborhoods

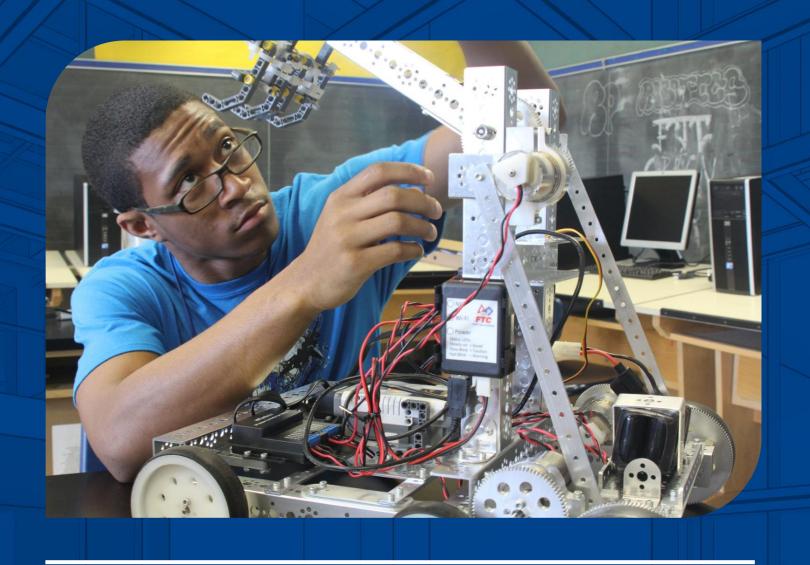
### Storage

USERS:	ACTIVITIES:	
Faculty	Storing instructional materials and supplies	
<ul> <li>Teachers</li> </ul>	<ul> <li>Securing and charging mobile computer cart(s)</li> </ul>	
<b>DESIGN CONSIDERATIONS:</b>		
None		
FURNITURE, FIXTURES & E	QUIPMENT:	
Contractor Furnished – Contractor Installed		
4'x4' tack board		
Owner Furnished – Contract	or Installed	
None		
Owner Furnished – Owner Installed		
<ul> <li>Maximum LF of heavy-duty</li> </ul>	y 18"D adjustable shelving	





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## **CAREER AND TECHNICAL EDUCATION**

HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL for LAW & JUSTICE

DECEMBER 17, 2014 CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



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### **Career and Technical Education**

### Overview:

College and career readiness is a key priority for HISD and by working closely with college partners and area businesses the students are prepared for post-secondary success. They participate in rigorous core academic courses as well as specialized courses in a career-focused area that integrates learning and provides work world experiences such as internships, job shadowing and work-based learning. CTE program clusters help students organize and prepare for college and their future career by linking both core and elective courses based on commonalities. The program also provides articulated offerings which are part of Tech Prep sequences of courses and are articulated with a specific college and credits can apply toward a four-year degree. The clusters are:

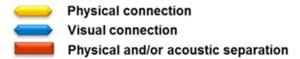
**Government Public Administration** – relates to executing governmental functions to include Governance; National Security; Foreign Service; Planning, Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.

Law, Public Safety, Corrections, Security – planning, managing and providing legal, public safety, protective services and homeland security, including professional and technical support services.

The CTE spaces should be located adjacent to the neighborhoods. This will allow for collaboration with the core academic programs. Additionally, it will provide access to the Extended Learning Area which can be used for small group sessions, presentations, etc.



#### Legend



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



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## **Space Requirements**

Career and Technical Education	Required Spaces			
Caleer and Technical Education	Teaching Stations	Quantity	Square Feet	Net Area
Crime Scene Learning Center/Wet Lab	1	1	1,600	1,600
Crime Lab Storage		1	200	200
Fire Science Lab	1	1	950	950
Fire Science Lab Storage		1	200	200
Court Room	1	1	900	900
Court Room Jury Room		1	200	200
Court Room Judge Chamber (Office A)		1	100	100
Court Room Holding Area/Storage		1	200	200
CTE - Political Sci/Government	1	1	850	850
Emergency Services/Communications	1	1	950	950
Server and Manual Storage		1	150	150
Total	5			6,300

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### Crime Scene/Criminal Justice Lab

USERS:	ACTIVITIES:
<ul><li>Teacher</li><li>Staff/Faculty</li><li>Students</li></ul>	<ul> <li>Lecture, labs</li> <li>Technology-based instruction</li> <li>Collaborative relationship building</li> <li>Working individually, in small groups, and in large groups</li> <li>Mastering 21st Century learning skills</li> <li>Project-based learning</li> <li>Activities that stimulate inventive thinking, creativity and imagination</li> <li>Demonstrations</li> </ul>

### **DESIGN CONSIDERATIONS:**

- · Emergency utility shut-off
- Power and Data in apron of casework
- One station in each lab to be handicapped accessible

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### **Contractor Furnished – Contractor Installed**

- Blinds for windows
- 2 single sided fume hoods for student work
- 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 Wall:
  - 2 4'x4' Tack Boards (one on each side of 8'x4' Marker Board)
  - 1 − 8'x\*' Marker Board or full white board wall
- Casework Rear and one Side wall for approximately 4 sinks:
  - Sink cabinets and drawer/door cabinets
  - Drying racks above sinks
  - Door/shelf cabinets above sinks
- 1 Deep Utility sink
- Safety station(s) (number determined by code) including eyewash, body drench shower, fire blanket, fire extinguisher
- · Goggle cabinet with UV light for disinfecting

#### Owner Furnished - Contractor Installed

- Paper towel dispensers
- Soap dispensers

- 8 4-person tables on casters
- 30 student chairs on casters
- Teacher stool
- 2 tall storage cabinets with adjustable shelving
- Electronic Whiteboard mounted on presentation wall adjacent to and at same height as marker board
- Clock
- Large Periodic Table Chart and other large wall charts (provide clear wall space and tack boards to hang additional material)
- Water distiller system to make distilled water





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### **Career and Technical Education**

Criminal Justice Lab Storage

USERS:	ACTIVITIES:
<ul><li>Teacher</li><li>Staff/Faculty</li><li>Students</li></ul>	<ul> <li>Teacher preparation and clean-up for lab exercises</li> <li>Storage of crime scene materials</li> </ul>
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#### **DESIGN CONSIDERATIONS:**

Access directly from lab

### **FURNITURE, FIXTURES & EQUIPMENT:**

### Contractor Furnished - Contractor Installed

- Refrigerator/freezer with small ice maker, not self-defrosting so that temperature will be constant
- Casework on one wall with chemical resistant countertop, drawer/door base cabinets, and open shelf wall cabinets
- Drying rack mounted above sink

### Owner Furnished - Contractor Installed

- Paper towel dispenser
- Soap dispenser

- 2 tall work stools
- Maximum linear feet of 12"D, adjustable height wooden shelving with rim guards on wall facing casework
- 36"W x 84"H lockable storage cabinet



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### **Career and Technical Education**

### Fire Science Learning Center

USERS:	ACTIVITIES:
<ul><li>Teachers</li><li>24 Students</li></ul>	<ul> <li>Mastering curriculum and concepts</li> <li>Technology-based instruction</li> <li>Activities that stimulate inventive thinking, creativity and imagination</li> <li>Collaborative relationship building</li> </ul>
DESIGN CONSIDED ATIONS:	

None

### **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
- Teacher stool
- Student Area
  - 12 two student tables
  - 24 student chairs
- Electronic Whiteboard mounted on presentation wall adjacent to and at same height as marker board
- Clock



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### **Career and Technical Education**

Court Room/Law Lab Learning Center

USERS:	ACTIVITIES:	
<ul><li>Teachers</li><li>24 - 32 Students</li></ul>	<ul> <li>Mastering the curriculum</li> <li>Mastering 21<sup>st</sup> Century learning skills</li> <li>Project-based learning</li> <li>Demonstrations</li> <li>Technology-based instruction</li> <li>Collaborative relationship building</li> </ul>	

#### **DESIGN CONSIDERATIONS:**

- Provide power and data on perimeter of the room
- Locate near law library or adjacent to if possible

### **FURNITURE, FIXTURES & EQUIPMENT:**

### **Contractor Furnished – Contractor Installed**

- Blinds for windows
- Microphone system
- · Casework for Judge's bench and witness stand
- 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
- •
- Student Area
  - 12 chairs for jury area
  - Bench seating for 40 in gallery space
- 2 3 person tables (Prosecution/Defense)
- 3 task chairs
- Drop Down presentation screen
- Presentation equipment/electronic
- Clock

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### **Career and Technical Education**

Court Room - Holding and Storage

USERS:	ACTIVITIES:
<ul><li>Teachers</li><li>Students</li></ul>	<ul> <li>Storing materials and supplies</li> <li>Used as "holding cell" during mock trials</li> <li>Robe storage</li> <li>Court Room prop storage</li> <li>Flag poles and flags</li> <li>Microphones and equipment</li> </ul>
DECICAL CONCIDED AT	FIGNIC

### **DESIGN CONSIDERATIONS:**

- Directly accessible from Court Room
- 50 square feet should be separate space to act as holding area with lockable door, visibility must be maintained

### **FURNITURE, FIXTURES & EQUIPMENT:**

### Contractor Furnished - Contractor Installed

4'x 4' Tack Board

### Owner Furnished - Contractor Installed

None

### Owner Furnished - Owner Installed

Adjustable 18" and 24" deep shelving, leave space at floor for cases of paper





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### **Career and Technical Education**

Court Room - Judge's Chambers (Office A)

9	,
USERS:	ACTIVITIES:
Staff/Faculty	Assisting in administrative record keeping
<ul> <li>Clerical Support Staff</li> </ul>	Preparation of correspondence, reports and other
Students	administrative tasks
<ul> <li>Parents</li> </ul>	Private conferences
<b>DESIGN CONSIDERATIONS:</b>	
<ul> <li>Adjacent with direct access</li> </ul>	s to Court Room
FURNITURE FIXTURES & FO	UIPMENT:

### 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

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### **Career and Technical Education**

Political Science/Government Learning Center

US	SERS:	ACTIVITIES:	
•	Teachers	Technology-based instruction	
•	28 Students	<ul> <li>Activities that stimulate inventive thinking, creativity and</li> </ul>	
		imagination	
		Collaborative relationship building	

### **DESIGN CONSIDERATIONS:**

Provide power and data on perimeter of the room

### **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
- Teacher stool
- Student Area
  - 14 two student tables
  - 28 student chairs
- Electronic Whiteboard mounted on presentation wall adjacent to and at same height as marker board
- Clock



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### **Career and Technical Education**

**Emergency Services Communication Learning Center** 

	<u> </u>
USERS:	ACTIVITIES:
<ul><li>Teachers</li><li>24 Students</li></ul>	<ul> <li>Technology-based instruction</li> <li>Activities that stimulate inventive thinking, creativity and imagination</li> <li>Collaborative relationship building</li> <li>Keyboarding</li> <li>Learning and practicing computer skills and software specific to program that mimics real world experience</li> <li>Working individually, in small groups and in large groups</li> </ul>

#### **DESIGN CONSIDERATIONS:**

- Provide power and data on the perimeter of the room
- Provide data link from separate server to student work stations

### **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
- Teacher stool
- 24 student work stations
- 24 task chairs
- 24 desktop computers (16 GB RAM) with four monitors each
- 1 pedestal desk
- 1 task chair
- 1 phone on desk (separate from classroom phone)
- 2 Electronic Whiteboard mounted on presentation wall adjacent to and at same height as marker board
- Clock

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## **Career and Technical Education**

**Emergency Services Communication Server/Storage** 

USERS:	ACTIVITIES:					
Teachers	Storing materials and supplies					
Students	Server room					
DESIGN CONSIDERATIONS:						
Directly accessible from Learning Center						
Ventilated/separate temperature control for server						
Server hardwired to workstations						
FURNITURE, FIXTURES & EQUIPMENT:						
Contractor Furnished – Contractor Installed						
4'x 4' Tack Board						
Owner Furnished – Contractor Installed						
Move separate server from old facility into new facility						
Owner Furnished – Owner Installed						
Adjustable 12" and 18" deep shelving						



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# **VISUAL ARTS**

HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL for LAW & JUSTICE

DECEMBER 17, 2014 CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



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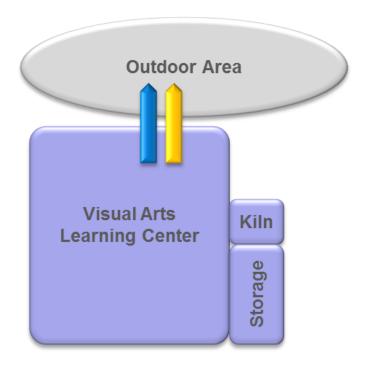
### **Visual Arts**

### Overview:

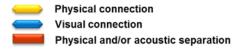
The arts are fundamental to communicating and understanding not only ourselves, but others. Through the arts we learn to appreciate and to create things of beauty. Important 21<sup>st</sup> Century skills enhanced by arts education include creativity, innovation, critical thinking, cooperative decision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

- Meet the state and federal requirements
- 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



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





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## **Space Requirements**

Visual Arts	Required Spaces			
Tiodal 74to	Teaching Stations	Quantity	Square Feet	Net Area
Visual Arts Learning Center	1	1	1,200	1,200
Kiln Room		1	80	80
Storage Room		1	250	250
Total	1			1.530

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## Visual Arts Learning Center

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

#### **DESIGN CONSIDERATIONS:**

- Need area for arranging still life with track lighting and 2 floor outlets
- Northern exposure desirable.
- Prefer adjacencies to social studies and/or foreign language

### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

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

### Owner Furnished - Contractor Installed

- 4 Paper towel dispenser
- 4 Soap dispenser

- Teacher demonstration table, 30"x60", adjustable height, with chemical resistant top
- Tall teacher stool with back rest
- Student Area:
  - 30 student adjustable height stools
  - 15 tilt drawing tables for 2 students each with chemical resistant tops (1 to be used for still life set-up)
  - 2 computer tables, 30"x60"
- Electronic Whiteboard
- 4 tall storage cabinets with adjustable shelving
- 2 Portfolio cabinets
- 3 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)



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## **Visual Arts**

## Kiln Room

USERS:	ACTIVITIES:	
Art teacher	Storing greenware.	
	Firing items in kiln.	
DESIGN CONSIDERATIONS:	DESIGN CONSIDERATIONS:	
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
Electric kiln/vent hood adjustable/on concrete base		
Door with side light between kiln room and art learning center		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Greenware cabinet with doors		



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## **Visual Arts**

## Storage Room

_	norago ricom		
	USERS:	ACTIVITIES:	
	<ul> <li>Art teacher</li> </ul>	Storing and maintaining art supplies.	
	DESIGN CONSIDERATIONS:		
	• None		
FURNITURE, FIXTURES & EQUIPMENT:			
	Contractor Furnished – Contractor Installed		
	• None		
	Owner Furnished – Contractor Installed		
	None		
	Owner Furnished – Owner Installed		
	• Maximum LF of heavy-duty, adjustable height shelving – 50% 18" d, 25% 24" d, 25% 12" d.		
	2 shelf mobile cart with recessed top well for moving supplies between Art Storage and Visual Arts Learning Center		

1 mobile cart for 30 tablets/ I-Pads with electrical hook up



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# PERFORMING ARTS

HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL for LAW & JUSTICE

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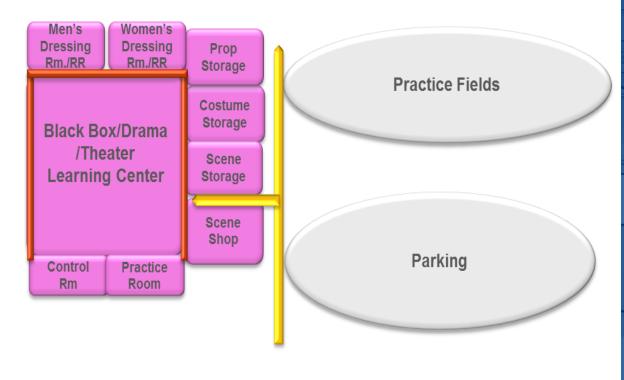
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The arts are fundamental to communicating and understanding not only ourselves, but others. Through performing arts students build a value system in which they learn self-discipline and responsibility. Important 21<sup>st</sup> Century skills enhanced 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.



# 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.



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## **Space Requirements**

Performing Arts	Required Spaces			
	Teaching Stations	Quantity	Square Feet	Net Area
Black Box /Drama/Theater Learning Center	1	1	1,600	1,600
Costume Storage (Boys/Girls)		2	300	600
Prop Storage		1	300	300
Scene Shop		1	400	400
Scene Storage		1	300	300
Control Room		1	175	175
Practice Room		1	125	125
Total	1			3,500

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## **Performing Arts**

## Drama Learning Center - Black Box Theater

USERS:	ACTIVITIES:
<ul><li>Teacher</li><li>Students</li><li>Community</li></ul>	<ul> <li>Developing technical theatre skills through individual work, group work and performances</li> <li>Drama instruction</li> <li>Performances</li> <li>Rehearsals</li> <li>Dance</li> <li>Meeting area for community</li> <li>Recording of performances</li> </ul>

#### **DESIGN CONSIDERATIONS:**

- Size opening to allow for transporting sets, equipment, etc.
- Consider overhead door to Prop Storage and exterior for ease of set and equipment movement
- Provide acoustical treatments
- Perimeter walls of the entire performing arts 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.
- Locate with one exterior wall for after hour entry to black box
- Need side stage areas

### **FURNITURE, FIXTURES & EQUIPMENT:**

## Contractor Furnished - Contractor Installed

- Retractable risers which provide stable platform for portable chairs
- Catwalk around perimeter of room approximately 4' wide need to get to lights with catwalk or lift
- Drapes hung from catwalk
- Continuous mirrors on one wall from base to 8'-0" AFF
- Additional drapes in front of mirrors
- Operable (raise/lower) pipe grid with power for theatrical lighting
- Dimmer system for theatrical lights -Computerized light board
- Sound system –Computerized sound board
- All interior finishes to be black
- Add black drapes and do not paint classroom wall black
- 1 4'x 12 marker boards
- 2 4'x4' tack boards

#### Owner Furnished - Contractor Installed

None

- 28 Student Chairs with arms for writing
- Presentation Cart
- Teacher stool
- Portable ballet barrel(s)
- · 2 Electronic white board
- Clock
- · 2 lockable double door storage units





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## **Performing Arts**

## Drama Learning Center - Dressing/Makeup Room

USERS:	ACTIVITIES:
<ul><li>Drama/Theatre Directors</li><li>30- Students</li><li>Community</li></ul>	<ul><li>Applying makeup for performances</li><li>Performance preparation</li><li>Green Room</li></ul>

#### **DESIGN CONSIDERATIONS:**

- Provide space for 10-12 students in each Dressing / Makeup Room.
- Separate two rooms with operable wall for makeup classes.
- Locate near and provide voice communication system with Auditorium and Black Box.

## **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

- Makeup counter continuous on one wall
- Mirrors above makeup counter
- · Full length mirrors
- 12 LF of hanging rod
- Utility sink

#### Owner Furnished - Contractor Installed

- Paper towel dispenser
- Soap dispenser

#### Owner Furnished - Owner Installed

Chairs

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Drama Learning Center - Prop Storage

USERS:	ACTIVITIES:
<ul><li>Drama Instructor</li><li>Students</li></ul>	Storing props
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

### Owner Furnished - Contractor Installed

None

#### Owner Furnished - Owner Installed

Heavy duty adjustable storage on 2-3 walls





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Owner Furnished – Owner Installed

• Heavy duty adjustable storage on 2-3 walls

## **Performing Arts**

Drama Learning Center - Costume Storage

brama Learning Ochter – Oostame Otorage		
USERS:	ACTIVITIES:	
Drama Instructor	Storing costumes	
<ul> <li>Students</li> </ul>		
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		
Owner Furnished – Contracto	Owner Furnished – Contractor Installed	
None		

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## **Performing Arts**

Drama Learning Center - Scene Storage/Tool Room

Teacher     Storing and retrieving scenes	USERS:	ACTIVITIES:
To all a to a second	Teacher	Storing and retrieving scenes
Students     I ool storage	Students	Tool storage
Material storage		Material storage

#### **DESIGN CONSIDERATIONS:**

- Provide direct access from Scene Shop
- Provide overhead door or double doors w/removable center bar
- Provide a minimum of 10' high ceiling
- Secure storage
- Provide direct access from Scene Shop to Black Box with overhead door
- Locate with adjacency to performance stage

## **FURNITURE, FIXTURES & EQUIPMENT:**

### **Contractor Furnished – Contractor Installed**

None

### Owner Furnished - Contractor Installed

None

- Adjustable shelving
- Hand tools
- Power tools
- Pegboard walls
- Rolling carts
- Work table



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## **Performing Arts**

Drama Learning Center - Scene Shop

	·	
USERS:	ACTIVITIES:	
<ul><li>Teachers</li><li>16 Students</li></ul>	<ul> <li>Constructing Scene Props</li> <li>Project-based learning</li> <li>Technology-based instruction</li> <li>Activities that stimulate inventive thinking, creativity and imagination</li> <li>Collaborative relationship building</li> <li>Demonstrations, instruction and guidance in constructing scenes</li> <li>Working individually, in small groups and in large groups</li> </ul>	

#### **DESIGN CONSIDERATIONS:**

- Provide overhead door for ease of movement of materials to/from exterior covered area adjacent to drive/parking
- Provide overhead door for ease of movement of finished scenes to/from shop to main theatre and Black Box
- Provide overhead door with access to exterior/loading area
- Provide sufficient clear space within room for flexible arrangement of student tables, power tools and work space
- Provide direct access to storage

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

- Overhead power throughout space
- Wall hooks near entry door for student aprons
- 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
- Deep sink with sediment trap

#### Owner Furnished - Contractor Installed

None

- 2 5x10 rolling work tables w/storage underneath. Provide four casters on two sides to allow vertical and horizontal storage capabilities.
- 2 tall storage cabinets with adjustable shelving
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- Power tools with integral sawdust collection
- Stationary Electrical needs for tools, table saw, panel saw, miter saw, air compressor, multiple drills, band saw, and flexible stations to plug in other tools
- Clock







## Drama Learning Center – Small Practice Room

ľ	Brama Learning Center Cinair radioe Room		
USERS:		ACTIVITIES:	
	<ul> <li>Drama, Vocal, and</li> </ul>	Individual or small group band practice	
	Music Directors	<ul> <li>May be used as control booth (with mobile equipment) for</li> </ul>	
	Students	recording events/practices in Instrumental Learning Center.	
	DESIGN CONSIDERATIONS:		
	<ul> <li>Perimeter walls of the entire music suite and the walls of the instructional spaces shall be</li> </ul>		
	min. STC-60. Other walls within the suite shall be min. STC-45.		
	<ul> <li>Sound-rated door should share the same rating as the walls</li> </ul>		

## **FURNITURE, FIXTURES & EQUIPMENT:**

### Contractor Furnished - Contractor Installed

- Acoustical treatment
- 4'x4' marker board
- 4'x4' tack board

### Owner Furnished - Contractor Installed

None

- Student chairs
- Music stands





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Performing Arts
Drama Learning Center –Control Booth

Tall lockable 2-door storage cabinets

Drama Learning Center –C	ontrol Booth		
USERS:	ACTIVITIES:		
<ul> <li>Drama/Theater/Vocal/Music</li> </ul>	Control of lighting and sound systems,		
Directors	Controlling and creating of special effects		
<ul> <li>Students</li> </ul>	Recording, taping and editing of performances		
<ul> <li>Community</li> </ul>			
<b>DESIGN CONSIDERATIONS:</b>			
<ul> <li>Locate adjacent to Black Box</li> </ul>			
<ul> <li>Provide operable window to per</li> </ul>	formance space		
<b>FURNITURE, FIXTURES &amp; EQUIP</b>	FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor	Contractor Furnished – Contractor Installed		
Light board	Light board		
<ul> <li>Sound board</li> </ul>	Sound board		
<ul> <li>4'x4' marker board</li> </ul>	4'x4' marker board		
4'x4' tack board			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
2 Chairs	• 2 Chairs		
• 30'x60" tables	• 30'x60" tables		



# PHYSICAL EDUCATION / ATHLETICS

HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL for LAW & JUSTICE

DECEMBER 17, 2014
CONSTRUCTION AND FACILITY SERVICES
FACILITIES PLANNING



**HIGH SCHOOL FOR LAW & JUSTICE** 

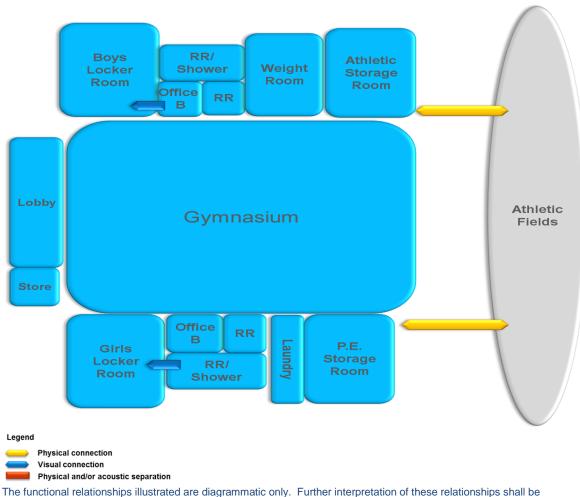


#### Overview:

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 and Athletic programs focus on personal fitness through participation in leisure and lifetime activity that lead to self-responsibility, teamwork, sportsmanship, and leadership. The following sports are offered in the Athletic program:

- August-November: Boys Football, Girls Volleyball, Girls Team Tennis
- December-March: Boys and Girls Basketball, Swimming, Tennis, Cross-Country, Golf, Track, Wrestling, Soccer
- March-May: Boys Baseball, Girls Softball

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





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## **Space Requirements**

Dhuaisal Education/Athlatica	Required Spaces			
Physical Education/Athletics	Teaching Stations	Quantity	Square Feet	Net Area
PE/Athletics Lobby		1	550	550
School Store		1	200	200
Gymnasium (seating for 1/2 program capacity of school)	2	1	9,124	9,124
Fitness/Weight Room		1	1,000	1,000
Boys'/Girls' PE Locker Room		2	600	1,200
Toilets/Showers		2	200	400
Adult Toilet/Shower/Locker		2	100	200
Office (shared)		2	175	350
Laundry		1	100	100
PE Equipment Storage		1	300	300
Athletic/Outdoor Equipment Storage		1	300	300
Total	2			13,724

# HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL FOR LAW & JUSTICE

# **Physical Education/Athletics**

Lobby

USERS:	ACTIVITIES:	
<ul><li>Parents</li><li>Students</li><li>Community members</li><li>Faculty/staff</li></ul>	<ul> <li>Transition/surge space for events held in Gymnasium</li> <li>Entering and exiting of events held in Gymnasium</li> <li>Event attendee overflow</li> <li>Small sitting area</li> <li>Greeting of attendees for events held in the Gymnasium</li> </ul>	
DESIGN CONSIDERATIONS	6:	
<ul> <li>Consider shared lobby if applicable with floor plan</li> <li>Consider including concession area/stand in lobby</li> <li>FURNITURE, FIXTURES &amp; EQUIPMENT:</li> </ul>		
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
<ul><li>Benches</li><li>Wall mounted video display panels</li></ul>		



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## P.E./Athletics

## Lobby - School Store

USERS:	ACTIVITIES:
<ul><li>Faculty/Staff</li><li>2-4 Students</li><li>PTO/Community</li></ul>	<ul> <li>Distributing/selling school supplies</li> <li>Retail sales of school memorabilia</li> </ul>
<ul> <li>Parents/Volunteers</li> </ul>	
DESIGN CONSIDED ATIONS:	

#### SIGN CONSIDERATIONS

- Locate in gym lobby
- Provide surveillance cameras focused on entry to room and or area where money is exchanged
- Provide transaction counter with drop down and lockable door

### **FURNITURE, FIXTURES & EQUIPMENT:**

## Contractor Furnished – Contractor Installed

- Power and Data outlets located along perimeter
- Marker Board
- Tack Board

#### Owner Furnished - Contractor Installed

None

- 2 Counter stools/chairs
- 2 task chairs
- 1 bookcase (height may be dependent on window sill height), with adjustable shelving

## **HIGH SCHOOL FOR LAW & JUSTICE**



## Gymnasium

USERS:	ACTIVITIES:
PE Teachers/Coaches	Physical education classes and activities
Students	Athletic competitions
<ul> <li>Parents</li> </ul>	Sports: basketball, volleyball, gymnastics, cheerleading,
<ul> <li>Community Groups</li> </ul>	drill team, wresting, badminton
Staff	Fitness/health presentations
<ul> <li>Intramural</li> </ul>	School assemblies
	Performances
	Graduation
	Community sports activities/events

#### **DESIGN CONSIDERATIONS:**

- Protect all devices and windows from damage by ball strikes
- Wall finish and any acoustic treatments must be capable of sustaining repeated ball strikes
- · Windows from offices/natural light
- School logo on gym wall
- School logo on gym floor
- Wireless internet
- A/C & Heat controls separate

### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

- 2 glass motorized, height adjustable, retractable backboards
- 4 fiberglass motorized, height adjustable, retractable backboards
- Telescoping bleachers to seat number indicated in space requirements (50% of Capacity).
   Provide separation between spectators and playing court with railings
- Volleyball system to include poles and recessed floor sleeves
- Floor markings for basketball, volleyball and indoor archery range
- Continuous wall pads on end walls
- Motorized curtain to divide gym into 2 teaching areas
- Scoreboard/clock (1 on each end)
- Sound system

## Owner Furnished - Contractor Installed

None

- 2 30"x60" folding tables
- 6 Chairs





**HIGH SCHOOL FOR LAW & JUSTICE** 

## P.E./Athletics

## Weight/Fitness Room

USERS:	ACTIVITIES:
<ul> <li>Coaches</li> </ul>	Physical education classes
<ul> <li>Teachers</li> </ul>	Weight training for students and staff
20-32 students	Potential for community use
<b>DESIGN CONSIDERATIONS</b>	
Drovido interlegicina rubbe	r tile fleer ever VCT er concrete fleer (peliebed er etgined)

- Provide interlocking rubber tile floor over VCT or concrete floor (polished or stained)
- · Glass walls for direct visibility and passive supervision from Gym area

## **FURNITURE, FIXTURES & EQUIPMENT:**

## **Contractor Furnished – Contractor Installed**

- 8' marker board with tack strip
- 4' tack boards
- Mirrors on one wall
- Interlocking rubber tile floor

### Owner Furnished - Contractor Installed

- Paper towel dispenser
- Sanitizer dispenser
- Water fountain

### Owner Furnished - Owner Installed

Weight equipment and machines



# HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL FOR LAW & JUSTICE



## Boys/Girls P.E. Locker Room

USERS:	ACTIVITIES:
<ul> <li>PE Teachers</li> </ul>	Changing clothes
<ul> <li>Coaches</li> </ul>	Storing personal items during classes, practices or
Students	competitions

#### **DESIGN CONSIDERATIONS:**

- Design for air flow that will maintain consistent temperature and humidity level
- Provide clear view for passive supervision (no tall lockers blocking line of sight)
- Separate A/C controls

## FURNITURE, FIXTURES & EQUIPMENT:

#### Contractor Furnished - Contractor Installed

- 50 of 6:1lockers
- Benches
- 4'x4' marker board
- 4'x4' tack board
- Mirrors

### Owner Furnished - Contractor Installed

- Paper towel dispenser
- Sanitizer dispenser

### Owner Furnished - Owner Installed

None





**HIGH SCHOOL FOR LAW & JUSTICE** 

## **P.E./Athletics**

Student Toilet/Showers

USERS:	ACTIVITIES:		
Students	Restroom and bathing		
<b>DESIGN CONSIDERATIONS</b>			
2-3 Single stalls			
<b>FURNITURE, FIXTURES &amp; E</b>	FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed			
Mirrors			
Owner Furnished – Contractor Installed			
Paper towel dispensers			
Soap dispensers			
Owner Furnished – Owner In	Owner Furnished – Owner Installed		
Shower curtains			

HIGH SCHOOL FOR LAW & JUSTICE

## **P.E./Athletics**

Adult Toilet/Shower/Locker

USERS:	ACTIVITIES:		
Coaches/Teachers	Restroom and bathing		
DESIGN CONSIDERATIONS:	•		
None			
<b>FURNITURE, FIXTURES &amp; EQI</b>	UIPMENT:		
Contractor Furnished – Contra	Contractor Furnished – Contractor Installed		
• Mirrors			
2 high lockers			
Owner Furnished – Contractor Installed			
Paper towel dispenser			
Soap dispenser			
Owner Furnished – Owner Ins	Owner Furnished – Owner Installed		
Shower curtain			



**HIGH SCHOOL FOR LAW & JUSTICE** 

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

## **P.E./Athletics**

## Office B

Office B		
USERS:	ACTIVITIES:	
Coaches/Teachers	Coach and teacher administrative tasks	
Students	Changing clothes before and after physical education	
	activities	
	Storing personal item	
DESIGN CONSIDERATIONS:		
<ul> <li>If possible, window into gym</li> </ul>	for supervision	
<b>FURNITURE, FIXTURES &amp; EQ</b>	UIPMENT:	
Contractor Furnished – Contr	ractor 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"		
Credenza		
Task chair		
2 Guest chairs		

## **HIGH SCHOOL FOR LAW & JUSTICE**



## Laundry

	•		
USI	ERS:	AC	CTIVITIES:
•	PE Teachers/Coaches Staff	•	Laundering of athletic team uniforms  Laundering of cheerleading uniforms

#### **DESIGN CONSIDERATIONS:**

- Floor drain
- Floor sloped towards drain
- · Exhaust to the exterior
- Emergency water shutoff valve

## **FURNITURE, FIXTURES & EQUIPMENT:**

### Contractor Furnished - Contractor Installed

- 8 LF of hanging rod (commercial grade)
- Commercial washer and dryer
- · Wall mounted adjustable shelves
- Washer and dryer hook ups in the Laundry Room
- Plate on door.
- Single, deep utility sink
- Icemaker
- Small ice dispenser for student hydration

## **Owner Furnished – Contractor Installed**

- Paper towel dispenser
- Soap dispenser

- 30"x 60" table
- 36"W tall shelf unit 24"D





## **HIGH SCHOOL FOR LAW & JUSTICE**

## P.E./Athletics

## P.E. Equipment Storage

1 1					
USERS:	ACTIVITIES:				
PE Teachers/Coaches	Storing and retrieving equipment used for physical education				
Students	classes				
DESIGN CONSIDERATIONS:					
<ul> <li>Floors need to be level and transition strip should be low profile to allow for easy movement of heavy equipment on carts</li> </ul>					
Prefer to combine storage rooms into one large storage area.					
AM and an all the 2 continuous and the Configuration of the Configuratio					

#### Want a rubberized/composite athletic floor

## **FURNITURE, FIXTURES & EQUIPMENT:**

**Contractor Furnished – Contractor Installed** 

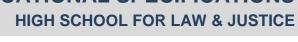
None

Owner Furnished - Contractor Installed

None

- 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.





## P.E./Athletics

## Athletic Equipment Storage

USERS:	ACTIVITIES:
<ul><li>Coaches/Teachers</li><li>Students</li></ul>	Storing and retrieving equipment used for athletic programs

#### **DESIGN CONSIDERATIONS:**

- Floors need to be level and transition strip should be low profile to allow for easy movement of heavy equipment on carts
- Provide exterior access 4-0' door.
- Prefer to combine storage rooms into one large area
- Want a rubberized/composite athletic floor

### **FURNITURE, FIXTURES & EQUIPMENT:**

### **Contractor Furnished – Contractor Installed**

- 4'x4' marker board
- 4'x4' tack board
- Provide lockable cages to secure team equipment and uniforms

#### Owner Furnished - Contractor Installed

None

- 36"Wx60"H heavy-duty, adjustable shelf unit in each cage
- Heavy-duty adjustable 18" shelving on walls beside door





**HIGH SCHOOL FOR LAW & JUSTICE** 



# **JROTC**

HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL for LAW & JUSTICE

DECEMBER 17, 2014 CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



**HIGH SCHOOL FOR LAW & JUSTICE** 

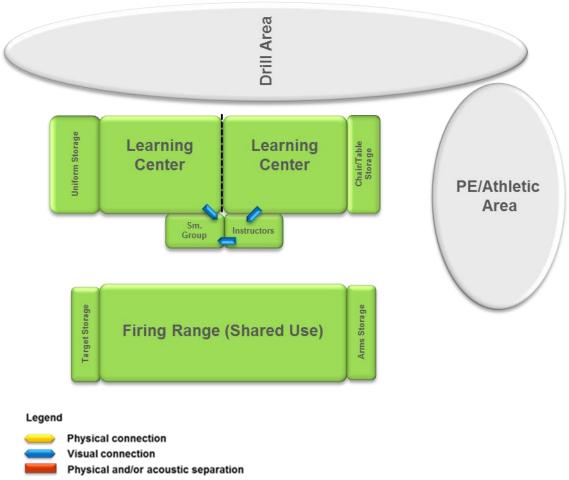


## Overview:

HISD offers the Junior Reserve Officer Training Corps (JROTC) program at the high school level. JROTC builds self-discipline, teamwork, motivation, and confidence in young people, and provides students with the opportunity to learn about career opportunities in the Armed Forces of the United States. High schools which elect to do so will provide adequate space and facilities to support the JROTC curriculum in accordance with established standards and guidelines.

The program must have access to adequate interior drill, student and staff changing and showering and laundry facilities as well as outside paved space 100' x 100' with perimeter striping for inspections, physical training and practice space for competitive drill teams. Therefore, it is recommended that the JROTC suite be located adjacent to the PE/Athletic area and share the spaces as needed. If sharing of facilities is not possible, then separate facilities will need to be included for JROTC use.

Provide display case (for trophy and awards) and bulletin board (for Chain of Command) in corridor adjacent to Learning Centers.



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



**HIGH SCHOOL FOR LAW & JUSTICE** 

## **Space Requirements**

	Required Spaces				
Junior ROTC (Army)	Teaching Station(s)	Quantity	Square Feet	Net Area	
JROTC Learning Center	2	2	850	1,700	
Chair & table storage		1	350	350	
Uniform, drill team, color guard storage		1	350	350	
Instructors Center		1	150	150	
Small Group collaboration area		1	120	120	
Firing Range		1	2,000	2,000	
Arms Storage		1	100	100	
Target Storage		1	100	100	
Total	2			4,870	



# **HIGH SCHOOL FOR LAW & JUSTICE**

## **JROTC**

## **Learning Center**

USERS:		ACTIVITIES:
•	Students	Lecturing
•	Teachers	<ul> <li>Instruction on firearm safety, physical training, and gun drills.</li> </ul>
•	Volunteers/Mentors	Watching videos
•	HISD PD	Target practice

#### **DESIGN CONSIDERATIONS:**

Provide operable partition dividing the space into two spaces.

## **FURNITURE, FIXTURES & EQUIPMENT:**

## Contractor Furnished – Contractor Installed

- Shelf around the perimeter of the space near the ceiling for trophy display.
- Presentation Wall in each half of Learning Center:
  - 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

- Classroom Performance System
- **Presentation Cart**
- Teacher stools
- 16 2-person tables with folding legs
- 32 stackable chairs
- 2 4-drawer lockable filing cabinets
- 2 tall storage cabinets with adjustable shelving
- 3 bookcases (height may be dependent on window sill height), with adjustable shelving
- 1 Electronic Whiteboards mounted on presentation wall adjacent to and at same height as marker board
- Clock





**HIGH SCHOOL FOR LAW & JUSTICE** 

## **JROTC**

**Cadet Small Group Collaboration** 

USERS:	ACTIVITIES:
Cadets	Preparing reports
<ul> <li>Cadet Leadership</li> </ul>	Research
	Small Group Instruction
	- 1.0

#### **DESIGN CONSIDERATIONS:**

View to Learning Center and Instructor Work Center

## **FURNITURE, FIXTURES & EQUIPMENT:**

## Contractor Furnished – Contractor Installed

- 4'x4' marker board
- 4'x4' tack board

## Owner Furnished - Contractor Installed

None

- modular open office systems furniture with open over desk storage
- 10 Tilt swivel desk chairs on casters
- 3 tall storage cabinet (will contain manuals for 200 cadets)
- 4 shelved Bookcase

## **HIGH SCHOOL FOR LAW & JUSTICE**

## **JROTC**

## Instructors Center

USERS:	ACTIVITIES:
<ul> <li>Instructional staff</li> </ul>	Preparing program plans
	Preparing reports
	Teacher supply storage
DECION CONCIDED ATIONS.	

#### **DESIGN CONSIDERATIONS:**

- View to Learning Center and Cadet Small Group Collaboration
- If unable to be located adjacent to PE area, add separate restroom, shower and changing room

## **FURNITURE, FIXTURES & EQUIPMENT:**

#### **Contractor Furnished – Contractor Installed**

- 4'x4' marker board
- 4'x4' tack board
- Sink and overhead casework
- Full size Refrigerator (full size) in one Learning Center for CO2 cartridges

#### Owner Furnished – Contractor Installed

None

- 3 sets Modular open office systems furniture with keyed over desk storage and file drawers, each set separately keyed to a master.
- 3 Tilt swivel desk chairs on casters
- 3 quest chairs
- 5 4 shelf bookcase





## **HIGH SCHOOL FOR LAW & JUSTICE**

## **JROTC**

## Uniform/Drill Team/Color Guard Storage

USERS:	ACTIVITIES:			
Instructional Staff	Storing materials, uniforms and books used in JROTC			
Students	programs			
DEGLEN ACUSINED ATIONS				

#### **DESIGN CONSIDERATIONS:**

- Adjacent to JROTC Instructors Office Center with easy access to JROTC Learning Center
- Provide sufficient space for three cadets to try on uniforms.
- If possible, would prefer a divider wall or two separate spaces for gender divisions

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### **Contractor Furnished – Contractor Installed**

- 40 linear feet (or maximum possible within the space allocated) of 2 high hanging rods with shelf above for long term storage.
- 2 duplex outlets on each wall
- Hollow metal door

## Owner Furnished - Contractor Installed

None

- Maximum linear feet of heavy duty adjustable shelving on one wall for shoe, cap, and helmet storage
- 4 Lockable storage cabinets



## HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL FOR LAW & JUSTICE

## **JROTC**

## Chair/Table Storage

Oriani rabio Otorago				
USERS:	ACTIVITIES:			
Instructional Staff	Storing targets used in JROTC instruction			
Students	Storing tables and chairs			
	Parent Meetings			
<b>DESIGN CONSIDERATIONS:</b>				
If firing range is separate, or separate, or separate, or separate, or separate.	could convert to small male/female changing rooms for cadets			
<b>FURNITURE, FIXTURES &amp; EC</b>	QUIPMENT:			
Contractor Furnished – Cont	ractor Installed			
• None	• None			
Owner Furnished – Contract	or Installed			
• None				
Owner Furnished – Owner Installed				
Dolly for 64 chairs				
Dolly for 32 tables				
Color guard flags				
<ul> <li>Color guard stands and ha</li> </ul>	Color guard stands and harnesses			



## **HIGH SCHOOL FOR LAW & JUSTICE**

## **JROTC**

## Firing Range

ACTIVITIES:		
drills		

#### **DESIGN CONSIDERATIONS:**

- Allow space for waiting marksmen when the range is in use.
- The overall length of the space should be a minimum of 60 feet to allow for it to be used as the rifle and pistol range.
- Permanently delineate eight 48" wide shooting lanes through the use of variation in the floor finish/color/pattern.
- Focused high intensity lighting is required at the target end of one of the range.
- Must accommodate a minimum of .40 caliber weapon

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

- Shelf around the perimeter of the space near the ceiling for trophy display.
- Presentation Wall in presentation/waiting area of the range:
  - 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

- Targets and ammunition catch boxes
- 2 4-drawer lockable filing cabinets
- 2 tall storage cabinets with adjustable shelving
- Clock



# **HIGH SCHOOL FOR LAW & JUSTICE**

## **JROTC**

## Arms/Weapons Storage

USERS:	ACTIVITIES:		
Instructional Staff	<ul> <li>Storing weapons, targets and ammunition used in JROTC instruction</li> <li>Storing targets used in HISD PD training and weapons certification</li> </ul>		
DECICAL CONCIDED ATIONS			

#### **DESIGN CONSIDERATIONS:**

- Connected (preferred) or adjacent to marksmen area
- Ability to access without going through firing range
- Determine how to best separate HISD PD and JROTC weapons and equipment

## **FURNITURE, FIXTURES & EQUIPMENT:**

#### **Contractor Furnished – Contractor Installed**

Heavy duty lockable steal door to secure weapons and ammunition

#### Owner Furnished – Contractor Installed

None

- Locking arms rack(s) (approximately 2'x2' square) to store 60 small arms weapons for HISD
- Locking arms rack(s) (approximately 4'x4' square) to store 70 firearms, 20 drill rifles, 12 sabers in gun cases
- 1 large air tank
- 1 scuba tank
- Metal adjustable shelving for storage of ammunition, supplies, etc.





**HIGH SCHOOL FOR LAW & JUSTICE** 

## **JROTC**

## **Target Storage**

3				
USERS:	S: ACTIVITIES:			
<ul> <li>Instructional Staff</li> </ul>	Storing targets used in JROTC instruction			
Students	<ul> <li>Storing targets used in HISD PD training and weapons</li> </ul>			
	certification			
<b>DESIGN CONSIDERATIONS:</b>				
Determine how to best sep	parate HISD PD and JROTC equipment			
<b>FURNITURE, FIXTURES &amp; E</b>	QUIPMENT:			
Contractor Furnished - Conf	ractor Installed			
None				
Owner Furnished – Contractor Installed				
None				
Owner Furnished – Owner Installed				
8 JROTC Targets (space requirements are similar to folding tables)				
8 HISD PD Targets				



## **ADMINISTRATION / GUIDANCE**

HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL for LAW & JUSTICE

DECEMBER 17, 2014
CONSTRUCTION AND FACILITY SERVICES
FACILITIES PLANNING



**HIGH SCHOOL FOR LAW & JUSTICE** 

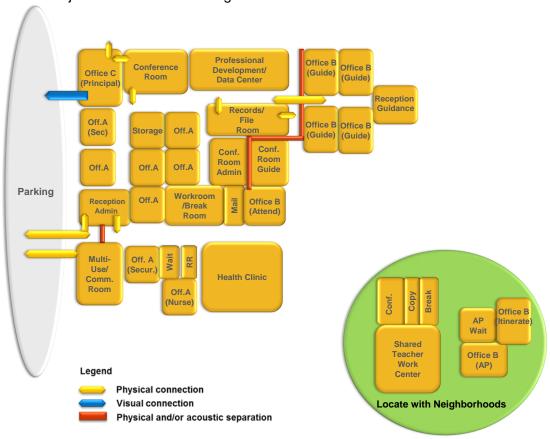


#### Overview:

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. The Administration/Guidance facilities should:

- Meet the state and federal requirements
- 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. It should be located adjacent to but separate from Guidance. Guidance should be readily accessible to Students and easy to find by Parents but should not be perceived as being part of Administration. Satellite Administration and Guidance 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.



**HIGH SCHOOL FOR LAW & JUSTICE** 

## **Space Requirements**

		Required Spaces			
Administration/Guidance		Teaching Stations	Quantity	Square Feet	Net Area
Administration					
Reception, Administration			1	350	350
Office A			2	100	200
Office C (Principal)			1	250	250
Restroom - Principal Office			1	50	50
Office B (AP)			2	125	250
AP Reception/Waiting			1	100	100
Conference Room, Main			1	325	325
Conference Room, Small			1	150	150
Storage			1	125	125
Health Clinic			1	500	500
Reception/Waiting			1	75	75
Office A			1	100	100
Restroom			1	65	65
Guidance/Student Services					
Reception, Guidance			1	120	120
Office B (Attendance, Registrar, Counselor)			2	125	250
Conference Room, Small			1	150	150
Records/File Room			1	175	175
Magnet/Recruitement Services					
Reception, Magnet			1	120	120
Office B			1	125	125
File/Records Room			1	150	150
Administration/Guidance Workroom/Break Room			1	300	300
Shared					
Professional Development/Data Center			1	250	250
Teacher Work Center			2	900	1,800
Office B (Itinerant)			4	125	500
Multi-use/Community Room			1	200	200
·	Total	0			6,680



## **HIGH SCHOOL FOR LAW & JUSTICE**



Reception, Administration

USERS:	ACTIVITIES:		
<ul><li>Parents</li><li>Students</li><li>Community members</li><li>Faculty/staff</li></ul>	<ul> <li>Greeting and welcoming people and directing them to the proper location or person</li> <li>Waiting/seating area for visitors, students, and staff members</li> <li>Controlling entrance to the school</li> </ul>		
	Controlling officiation to the control		

#### **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.

#### **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 shelving2 Task chairs
- Guest chairs
- Side tables
- Video Display
- Welcoming area





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## Administration/Guidance

Office A - Secretary

USERS:	ACTIVITIES:
Staff/Faculty	<ul> <li>Assisting in administrative record keeping</li> </ul>
Clerical Support Staff	<ul> <li>Preparation of correspondence, reports and other</li> </ul>
<ul> <li>Students</li> </ul>	administrative tasks
<ul> <li>Parents</li> </ul>	Private conferences
DESIGN CONSIDERATIONS:	

#### DESIGN CONSIDERATIONS:

Adjacent to Principal

## **FURNITURE, FIXTURES & EQUIPMENT:**

## **Contractor Furnished – Contractor Installed**

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

## Owner Furnished - Contractor Installed

- 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
- Dumbar safe to be moved from old facility to new facility

## **HIGH SCHOOL FOR LAW & JUSTICE**

## Administration/Guidance

## Office C (Principal)

USERS:	ACTIVITIES:
Principal	Conducting administrative duties
<ul> <li>Students</li> </ul>	Preparing correspondence and reports
<ul> <li>Parents</li> </ul>	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
- Direct access to private restroom

## **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





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## Administration/Guidance

Principal's Restroom

None

•	
USERS:	ACTIVITIES:
Principal	Personal hygiene
<ul> <li>Visitors</li> </ul>	•
Staff	
DESIGN CONSIDERATIONS:	
<ul> <li>Direct access from Princip</li> </ul>	al's office
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
Mirrors	
Owner Furnished – Contract	or Installed
Paper towel dispensers	
Soap dispensers	
Toilet paper dispenser	
Owner Furnished – Owner Installed	

## **HIGH SCHOOL FOR LAW & JUSTICE**

## **Administration/Guidance**

Office B (AP)

` ,	
USERS:	ACTIVITIES:
Staff	Conducting administrative tasks
<ul> <li>Teachers</li> </ul>	Preparing correspondence and reports
<ul> <li>Assistant</li> </ul>	Creating and documenting new and existing students
Principal	Meeting with parents, students and other visitors
<ul> <li>Students</li> </ul>	Placing phone cards
<ul> <li>Parents</li> </ul>	

#### **DESIGN CONSIDERATIONS:**

Locate with neighborhoods

## **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
- 4 guest chairs
- 36" conference table
- 4-shelf bookcase, 52"H x 36"W x 15"D
- 4-drawer vertical file, letter size, lockable





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## Administration/Guidance

## **AP Waiting**

USERS:	ACTIVITIES:
<ul><li>Parents</li><li>Students</li><li>Community members</li><li>Faculty/staff</li></ul>	<ul> <li>Greeting and welcoming people</li> <li>Waiting/seating area for visitors, students, and staff members</li> </ul>
DESIGN CONSIDER ATIONS:	

#### **DESIGN CONSIDERATIONS:**

Should be located adjacent to Neighborhoods

**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 shelving2 Task chairs
- Guest chairs
- Side tables



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## Administration/Guidance

Television and/or electronic whiteboard

Conference Room, Main

HOEDO	
USERS:	ACTIVITIES:
<ul> <li>Principal</li> </ul>	<ul> <li>Meetings/Conferences between Faculty/Staff and</li> </ul>
<ul> <li>Staff/Faculty</li> </ul>	Students, Parents and Community
<ul> <li>Parents/Students</li> </ul>	
<ul> <li>School Support Groups</li> </ul>	
(PTO, etc.)	
<b>DESIGN CONSIDERATIONS:</b>	
<ul> <li>Provide direct access from I</li> </ul>	Principal's Office and secondary corridor.
<b>FURNITURE, FIXTURES &amp; EQ</b>	UIPMENT:
Contractor Furnished - Contr	actor Installed
Blinds on windows	
Marker and tack board in cabinet	
Owner Furnished - Contracto	r Installed
<ul> <li>None</li> </ul>	
Owner Furnished – Owner Installed	
<ul> <li>Credenza</li> </ul>	
Conference table for 12 people	
<ul> <li>12 Swivel, tilt armchairs</li> </ul>	



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## Administration/Guidance

Conference Room, Small

USERS:	ACTIVITIES:
<ul> <li>Staff/Faculty</li> <li>Parents</li> <li>School Support Groups (PTO, etc.)</li> </ul>	<ul> <li>Meetings/Conferences between Faculty/Staff and Students, Parents and Community</li> </ul>
<b>DESIGN CONSIDERATIONS:</b>	

• Keep in Admin area and not off of main corridor. Should be relatively private location.

#### **FURNITURE, FIXTURES & EQUIPMENT:**

## Contractor Furnished – Contractor Installed

- Blinds on windows
- Marker and tack board in cabinet

#### Owner Furnished - Contractor Installed

• None

- Credenza
- Conference table for 6 people
- 6 Swivel, tilt armchairs
- Television and/or electronic whiteboard



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## Administration/Guidance

## Storage Room

USERS:	ACTIVITIES:	
Guidance Clerk	Storing office supplies	
<ul> <li>Counselors</li> </ul>	Storing educational materials	
Administrators'		
Office Staff		
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
• None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Maximum LF of heavy duty adjustable shelving		



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## Administration/Guidance

4-drawer vertical file, letter size, lockable

Office A (Security Office)

Office A (Security Office)		
USERS:	ACTIVITIES:	
Security Officer	Administrative tasks	
<ul> <li>Staff/Faculty</li> </ul>	Preparing correspondence and reports	
Students	Creating and documenting safety and security matters	
<ul> <li>Parents</li> </ul>	Meeting with parents, students and other visitors	
DESIGN CONSIDERATION	NS:	
<ul> <li>Locate near main entra</li> </ul>	ance with full access and visibility to Lobby	
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
Blinds on windows		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Double pedestal desk with center drawer & lock, 60" x 30"		
Task chair		
2 guest chairs		
<ul> <li>4-shelf bookcase, 52"H x 36"W x 15"D</li> </ul>		



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## Administration/Guidance

Health Clinic - Reception/Waiting

USERS:	ACTIVITIES:
School nurse	Waiting area for visitors, students, and staff members
Staff	
<ul> <li>Students</li> </ul>	
<ul> <li>Parents</li> </ul>	
<ul> <li>Visitors</li> </ul>	
<b>DESIGN CONSIDERATIONS:</b>	
Visual connection between Nurses' Office and Waiting	
If possible, locate near attendance office	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
None	
Owner Furnished – Contractor Installed	
None	
Owner Furnished – Owner Installed	
4 guest chairs	
Literature racks	

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## Administration/Guidance

## Health Clinic

USERS:	ACTIVITIES:
<ul> <li>School nurse</li> </ul>	Treating ill or hurt students
Staff	Conducting medical exams/screening
<ul> <li>Students</li> </ul>	Dispensing medications
<ul> <li>Parents</li> </ul>	Waiting area for ill students prior to being picked up
DESIGN CONSIDED ATIO	ONC.

Visual connection between Nurses' Office and Clinic

#### **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 disposable can
- Medical sharps waste disposal
- 2 quest chairs
- Defibrillator
- Water dispenser filtered
- Privacy between cots/exams wall or curtain



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## **Administration/Guidance**

## Health Clinic - Office A

USERS:	ACTIVITIES:
<ul><li>School nurse</li><li>Staff</li><li>Students</li><li>Parents</li><li>Visitors</li></ul>	<ul> <li>Consultation by nurse with students, parents and staff</li> <li>Record-keeping and paperwork</li> <li>Working with student health files</li> </ul>
DESIGN CONSIDED ATIONS.	

#### **DESIGN CONSIDERATIONS:**

Visual connection between Nurses' Office and Waiting

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### **Contractor Furnished – Contractor Installed**

• Blinds on windows

## 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





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## **Administration/Guidance**

Health Clinic - Restroom

None

USERS:	ACTIVITIES:	
Staff	Restroom activities	
<ul> <li>Students</li> </ul>	Hand Washing	
<ul> <li>Faculty</li> </ul>	Personal hygiene	
<ul> <li>Visitors</li> </ul>		
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 In	stalled	

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## Administration/Guidance

## Reception, Guidance

USERS:	ACTIVITIES:
<ul><li>Parents</li><li>Students</li><li>Community members</li><li>Faculty/staff</li></ul>	<ul> <li>Greeting and welcoming people and directing them to the proper location or person</li> <li>Waiting/seating area for visitors, students, and staff members</li> </ul>
<b>DESIGN CONSIDERATIONS:</b>	

None

#### **FURNITURE, FIXTURES & EQUIPMENT:**

## **Contractor Furnished – Contractor Installed**

None

## Owner Furnished - Contractor Installed

- Modular reception desk with work station to include:
  - 30"D x 30'H x 4-6 LF work surface (section with reduced height for greeting children)
  - Include 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 surface 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

## Owner Furnished – Owner Installed

Task chair





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## Administration/Guidance

Office B (Attendance, Registrar, Officer)

USERS:	ACTIVITIES:
<ul> <li>Attendance Clerk,</li> </ul>	Administrative tasks
Registrar, Officer	<ul> <li>Preparation of correspondence and reports</li> </ul>
Staff	<ul> <li>Creating and documenting new and existing students</li> </ul>
<ul> <li>Students</li> </ul>	<ul> <li>Meeting with parents, students and other visitors</li> </ul>
<ul> <li>Parents</li> </ul>	
DESIGN CONSIDER ATIONS:	

Copy machines adjacent to reception area

## **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

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## Administration/Guidance

6 Swivel, tilt armchairs

Conference Room, Small – Guidance/Student Services

	,
USERS:	ACTIVITIES:
<ul> <li>Staff/Faculty</li> </ul>	<ul> <li>Meetings/Conferences between Faculty/Staff and Students</li> </ul>
<ul> <li>Parents</li> </ul>	Parents and Community
<ul> <li>Visitors</li> </ul>	
<b>DESIGN CONSIDERAT</b>	IONS:
• None	
<b>FURNITURE, FIXTURE</b>	S & EQUIPMENT:
<b>Contractor Furnished</b> -	- Contractor Installed
Blinds on windows	
<ul> <li>Marker and tack boa</li> </ul>	ard in cabinet
Owner Furnished - Co	ntractor Installed
None	
Owner Furnished - Ow	vner Installed
<ul> <li>Credenza</li> </ul>	
<ul> <li>Conference table for</li> </ul>	r 6 people



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## Administration/Guidance

## Records/File Room

USERS:	ACTIVITIES:
<ul><li>Guidance Clerk</li><li>Counselors</li><li>Administrators</li></ul>	Storing and retrieving student records

#### **DESIGN CONSIDERATIONS:**

• Room should be treated as a 1 hour fire-rated enclosure.

#### **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
- More shelving vs. cabinets for boxed records
- Moving 3 fire proof cabinets, 4 drawer 3x5'x1.5' x4.5' tall

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## Administration/Guidance

## Mail Pick Up

None

USERS:	ACTIVITIES:
Faculty	Picking up mail
Staff	Reading notices
	Dropping off mail
DESIGN CONSIDERATIONS:	
Provide in/out doors off of secondary corridor.	
Mailboxes provide separation between this space and workroom/break room.	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
4'x8' tack board	
Owner Furnished – Contractor Installed	
None	
Owner Furnished – Owner Installed	

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## Administration/Guidance

## Workroom/Break Room

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

#### **DESIGN CONSIDERATIONS:**

• Mail slots should open directly to mail pick up area.

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

- Blinds on windows
- 4'x4' marker board
- 4'x4' tack board
- 100 12"W x 9"H x 12"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" work tables
- 6 Lounge chairs
- · Refrigerator with icemaker
- 8 Chairs
- 2 42" square tables
- Vending machines 2 drink & 1 snack (vendor provided)
- Microwaves/Oven
- Copier



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## Administration/Guidance

Shared – Professional Development/Data Center

USERS:	ACTIVITIES:
<ul> <li>Teachers</li> </ul>	Keeping track of student progress and activity
<ul> <li>Administrators</li> </ul>	<ul> <li>Professional teacher training, development and in services</li> </ul>
<b>DESIGN CONSIDERATION</b>	S:
• None	
<b>FURNITURE, FIXTURES &amp;</b>	EQUIPMENT:
Contractor Furnished - Co	ontractor Installed
• 2 walls continuous tacka	able surface
• 2 walls continuous mark	er surface
Owner Furnished - Contra	ctor Installed
• None	
Owner Furnished - Owner	Installed
• 2 - 24"x36" tables	
• 2 - 2-door lockable stora	age cabinet
<ul> <li>16 - Swivel, tilt chair</li> </ul>	
• 2 -5-drawer vertical file of	cabinets
<ul> <li>Television and/or Electron</li> </ul>	onic marker Board



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## Administration/Guidance

Shared – Teacher Work Center, Work Stations

Shared – reacher work	Center, Work Stations
USERS:	ACTIVITIES:
Teachers	Preparing lesson plans
	Teacher supply storage
	Researching
	Meeting
DESIGN CONSIDERATIONS:	
None	
<b>FURNITURE, FIXTURES &amp; EQ</b>	UIPMENT:
Contractor Furnished – Contra	actor Installed
<ul> <li>4'x4' marker board</li> </ul>	
<ul> <li>4'x4' tack board</li> </ul>	
Owner Furnished - Contracto	r Installed
None	
Owner Furnished - Owner Ins	talled
<ul> <li>Modular open office systems furniture with keyed over desk storage and file drawers, each set separately keyed to a master.</li> </ul>	

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## Administration/Guidance

Shared – Teacher Work Center, Copier Room

USERS:	ACTIVITIES.
USERS:	ACTIVITIES:
Teachers	Preparing lesson documents
	Teacher supply storage
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
<ul> <li>4'x4' marker board</li> </ul>	
4'x4' tack board	
Owner Furnished – Contractor Installed	
None	
Owner Furnished – Owner Installed	
Copier	
Tall double door storage cabinet	



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## Administration/Guidance

Shared – Teacher Work Center, Conference Room

Offarca Teacher V	vonce ochici checi reconi
USERS:	ACTIVITIES:
Teachers	Meetings
	Collaboration
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	
Credenza	
Conference table for 6 poople	

- Conference table for 6 people
- 6 Swivel, tilt armchairs
- Television and/or electronic whiteboard

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# Administration/Guidance

Shared - Teacher Work Center, Break Area

USERS:	ACTIVITIES:		
Teachers	Lounging		
	Eating		
<b>DESIGN CONSIDERATIONS:</b>			
None			
<b>FURNITURE, FIXTURES &amp; EQ</b>	UIPMENT:		
Contractor Furnished – Contra	Contractor Furnished – Contractor Installed		
4'x4' marker board			
4'x4' tack board			
Owner Furnished – Contractor Installed			
• None			
Owner Furnished – Owner Installed			
Chairs	• Chairs		
Tables	Tables		

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# Administration/Guidance

Shared – Office B (Itinerant)

USERS:	ACTIVITIES:	
Staff	Administrative tasks	
<ul> <li>Students</li> </ul>	<ul> <li>Preparation of correspondence and reports</li> </ul>	
<ul> <li>Parents</li> </ul>	<ul> <li>Creating and documenting new and existing students</li> </ul>	
	<ul> <li>Meeting with parents, students and other visitors</li> </ul>	

#### **DESIGN CONSIDERATIONS:**

• Can consider combining spaces into one large work/office area with cubicle configuration 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
- 4-shelf bookcase, 52"H x 36"W x 15"D
- 4-drawer vertical file, letter size, lockable



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# Administration/Guidance

## Shared - Multi-Use/Community Room

USERS:	ACTIVITIES:
<ul> <li>Community Members</li> <li>Principal</li> <li>Staff/Faculty</li> <li>Parents/Students</li> <li>School Support Groups</li></ul>	Meetings/Conferences between Faculty/Staff and Students,
(PTO, etc.)	Parents and Community

#### **DESIGN CONSIDERATIONS:**

None

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished – Contractor Installed

- Approximately 6' LF casework including, sink cabinet, door base and wall cabinet
- Blinds on windows
- Marker board
- Tack board

#### Owner Furnished - Contractor Installed

None

#### Owner Furnished – Owner Installed

- 2 door locking storage cabinet
- 8 modular tables for easy rearrangement depending on room use (18" x 48")
- 12 16 stackable chairs
- Electronic whiteboard





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# **FOOD SERVICE**

HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL for LAW & JUSTICE

DECEMBER 17, 2014 CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



**HIGH SCHOOL FOR LAW & JUSTICE** 



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.

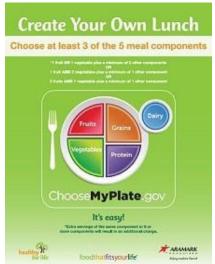
A state-of-the-art school cafeteria and operation can make a significant impact on student participation in the child nutrition program and thereby on student performance.

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:

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#### 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 information.

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**

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

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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.

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#### **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.

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#### 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 cross-contamination.

#### **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 savvy 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.

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#### **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.



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#### **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

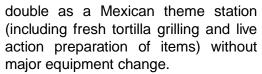
Following site visits to a number of Texas schools a broader group of HISD Food Services/ARAMARK operations and support services senior team members reviewed the findings and discussed key local considerations for an HISD facility. The group included leaders from maintenance, quality control, operations, 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

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- d. The HISD Parent Advisory Committee recommends that small high schools be afforded full-service menu options with a cooking facility versus a non-cooking 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.

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#### **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.

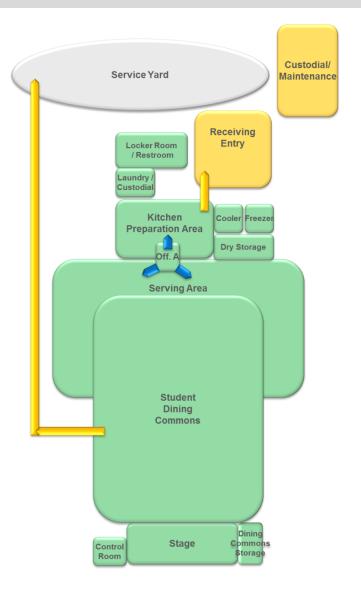
The facilities described on subsequent pages provide for the preparation and serving of food to the students, staff and faculty. The Dining Commons serves not only as a place for eating but also a location used by the school for assemblies and student performances.

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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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.

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# ATIONS JUSTICE

# **Space Requirements**

	Required Spaces			
Food Service	Teaching Stations	Quantity	Square Feet	Net Area
Kitchen Preparation Area		1	900	900
Serving Area		1	500	500
Dry Storage		1	225	225
Freezer		1	175	175
Cooler		1	150	150
Kitchen Manager's Office		1	100	100
Laundry/Custodial Area		1	75	75
Locker Room/Restroom		1	125	125
Student Dining Commons (seating for 1/3 of students at one time plus 200 for dining)		1	4,755	4,755
Stage		1	1,200	1,200
Control Room		1	100	100
Dining Commons Storage		1	300	300
Total	0			8,605

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#### **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
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#### **DESIGN CONSIDERATIONS:**

- Equipment shall be located under two exhaust hoods located in close proximity to serving areas.
- Doorbell at receiving should be audible in Food Preparation Area.
- Allow space to store Utility Carts.
- Provide a minimum of 4' 0" wide doors.

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

- Markerboard
- Tackboard

The kitchen equipment listed below is representative of the needs for a large high school. This list will be customized for each project in consultation with HISD Food Services during the Design Phase.

- 3 Cooklines:
  - Vent Hood, minimum 18 feet
  - Fire Protection System
  - 1 ea.–Range
  - 2 ea.–Oven, Gas, Double Convection
  - 1 ea.–Two Compartment Forced Convection Steamer
  - 1 ea.-Fill Faucet adjacent to range
  - 1 Fire System
- 1-Electric Can Opener
- 2-Manual Can Openers
- 1 at each cooking area -Two Compartment Sink w/Disposer
- 2 Disposers
- 8 Utility Carts

- 1 2'x6' Slicing Table
- 3 Stainless Steel Work Table
- 1 Fill Faucet by each range
- Clock
- 1 Ice Machine
- 1 Ice Storage Bin
- 8 Dolly, Milk Case
- See code requirements for quantity -Camcarts, for Food boxes and Trays, sheet pans
- 8 Rack, Bun
- Shelving, Solid As needed
- Tables, Work as needed
- 2 Table, Baker's w/ Bins (8')
- Small Wares Package

#### Owner Furnished - Contractor Installed

- Soap Dispensers
- Paper Towel Dispensers

#### Owner Furnished - Owner Installed

Clock(s)

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## **Food Service**

# Serving Area

USERS:	ACTIVITIES:
<ul><li>Kitchen Manager</li><li>Food Service Staff</li><li>Students</li><li>Faculty</li></ul>	<ul> <li>Serving food</li> <li>Receiving payment for food</li> </ul>

#### **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

The kitchen equipment listed below is representative of the needs for a large high school. This list will be customized for each project in consultation with HISD Food Services during the Design Phase.

- 6- Utility Distribution Systems
  - 2- Salad Bar
  - 2 ea. -Serving Unit Cold 3 Pan Size w/ Double Tier Display
    - 2 ea. -Serving Unit 3 Pan Unit Flat Unit
    - 1 ea. -Serving Unit Hot 5 Pan Size w/ Single Tier Serving Shelf
    - 1 ea. -Serving Unit Cold 5 Pan
    - 1 ea. -3' Cash Table
  - 3- Serving Areas for other than salad
    - 2 ea. -Serving Unit 4 Pan Unit Flat Unit
    - 2 ea. -Serving Unit Cold 4 Pan Size w/ Double Tier Display
    - 2 ea. -Serving Unit Hot 4 Pan Size w/ Single Tier Serving Shelf
    - 1 ea. -5' Cash Register
    - 1 ea. -Serving Unit 3 Pan Unit Flat Unit
- 3 Drop Front Milk Cooler
- 1 Snack Bar Counter
- Tray/Silverware/Napkin Stands
- 2 Refrigerated Drop-in, Three Pan
- 3 Pass Through Refrigerator 1 dr.
- 1 Pass Through Refrigerator 2 dr.
- 3 Pass Through Heated Cabinet 2 dr.
- Multi-fold Hand Towel Dispensers
- Soap Dispensers
- 1 Two Sided Grill
- 2 Round Cooker Warmers
- Electronic Display (Menus)

#### Owner Furnished – Contractor Installed

None

#### Owner Furnished – Owner Installed

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





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# **Food Service**

# **Dry Storage**

Dry Otorago			
USERS: ACTIVITIES:			
Food Service Staff	Storing dry food / supplies		
DESIGN CONSIDERATIONS:			
<ul> <li>Locate Dry Storage near Kit</li> </ul>	chen Preparation Area		
Locate Dry Storage for easy	access to Receiving Entry		
Provide security camera to it	Provide security camera to monitor entrance		
• Provide a minimum of 4' - 0" wide doors.			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
1 - Can Rack – gravity fed			
<ul> <li>Maximum LF of 24" D adjustable shelving with first shelf at least 6" from finish floor</li> </ul>			
2 - dunnage racks			
Owner Furnished – Contractor Installed			

None

Owner Furnished - Owner Installed

• None



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# **Food Service**

#### Freezer

USERS:	ACTIVITIES:		
<ul> <li>Food Service Staff</li> </ul>	Storing frozen food		
<b>DESIGN CONSIDERATIONS:</b>			
<ul> <li>Locate freezer near Kitcher</li> </ul>	n Preparation Area and have it open from Cooler.		
<ul> <li>Locate cooler/freezer for ea</li> </ul>	Locate cooler/freezer 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			
Walk-in Freezer – TN-078			
Maximum LF of 20" – 24" Shelving			

None

Owner Furnished – Owner Installed

Owner Furnished – Contractor Installed

None



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# **Food Service**

## Cooler

USERS:	ACTIVITIES:		
Food Service Staff	Storing cold foods		
	Defrosting frozen food		
<b>DESIGN CONSIDERATIONS:</b>			
Locate cooler near Kitchen I	Preparation Area and have it open into both Prep and Freezer		
Locate cooler/freezer for eas	sy access to Receiving Entry.		
<ul> <li>Provide a minimum of 4' - 0"</li> </ul>	D '1 '1 (4) 0" 11 1		
FURNITURE, FIXTURES & EQ	FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed			
Maximum LF of 20" – 24" shelving			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
• None			



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# **Food Service**

Office A (Kitchen's Manager's Office)

USERS:	ACTIVITIES:
Manager	<ul> <li>Filing out Food Service documentation</li> <li>Reviewing employee request</li> <li>Ordering supplies</li> <li>Counting cash</li> </ul>

#### **DESIGN CONSIDERATIONS:**

- Locate manager's office in a central location to allow visibility into kitchen prep area, service line holding area and receiving.
- Provide windows above 3' to below ceiling on all sides. Bookcase below windows on one side.
- 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..

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

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

#### Owner Furnished - Contractor Installed

None

#### Owner Furnished – Owner Installed

- Desk
- Task Chair
- **Guest Chair**
- File Cabinet
- Bookcase
- Blinds Clock



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## **Food Service**

Laundry / Custodial Area

USERS:	ACTIVITIES:	
Manager	Washing food prep clothes and aprons	
<ul> <li>Food Service Staff</li> </ul>	Drying food prep clothes and aprons	
	Storing cleaning supplies	
	Storing cleaning equipment	
	Cleaning mops	
DECICAL CONCIDED ATIONS		

#### **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

- Washer
- Dryer
- · Wall-mounted adjustable shelving above washer and dryer
- Mop/Broom Rack
- Mop Sink
- Plastic Shelving

#### Owner Furnished - Contractor Installed

• Paper Towel Dispenser

#### Owner Furnished - Owner Installed

None



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# **Food Service**

## Locker Room / Restroom

	•••			
USERS:	ACTIVITIES:			
Kitchen Manager	Staff clothes changing			
<ul> <li>Food Service Staff</li> </ul>	Storing of personal items by Staff			
DESIGN CONSIDERATIONS:				
Provide floor drains with easy access clean-outs.				
FURNITURE, FIXTURES & EQUIPMENT:				
Contractor Furnished – Con	Contractor Furnished – Contractor Installed			
Lockers (15 - 20 minimum)				
Coat Hooks				
Owner Furnished – Contract	or Installed			
<ul> <li>Paper towel dispenser</li> </ul>				
Soap dispenser				
Toilet paper dispenser				
Owner Furnished – Owner In	stalled			
Bench				
Clock				



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## **Food Service**

## **Student Dining Commons**

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

#### **DESIGN CONSIDERATIONS:**

- Provide access from Dining Commons to dumpster area without going through Kitchen Prep.
- Include drinking fountains in the Dining Commons
- Provide area for future addition of vending machines
- Need to black out all windows for stage performances
- Provide ramps to stage to allow piano to stage

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished – Contractor Installed

- 4' x 8' Tack board(s)
- Ceiling mounted projector
- Sound System
- Electronic Display

#### 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



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## **Food Service**

# 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 microphone plugs at the top step.
- Need side stage areas
- Need 16'-0" clear

## **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

- Catwalk or lift to access stage lighting
- Movable risers





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Tall lockable 2-door cabinets

# **Food Service**

Student Dining Commons – Control Room

S - CONTO ROOM		
ACTIVITIES:		
Students     Controlling stage lighting		
Controlling sound system		
Storing A/V Equipment for stage		
DESIGN CONSIDERATIONS:		
Need light control booth in the back of the cafeteria (if possible)		
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		
• 30" x 60" table		

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# **Food Service**

Student Dining Commons - Storage

9	•	
USERS:	ACTIVITIES:	
<ul><li>Kitchen Manager</li><li>Food Service Staff</li><li>Students</li><li>Faculty</li></ul>	<ul> <li>Storing dining tables and chairs</li> <li>Storing dining room equipment</li> </ul>	
DESIGN CONSIDERATIONS:		
• None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
• None		
Owner Furnished – Contractor Installed		
• None		
Owner Furnished – Owner Installed		
Cart for Chairs		
<ul> <li>Cart for Tables</li> </ul>		



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# **CUSTODIAL / MAINTENANCE**

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DECEMBER 17, 2014 CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



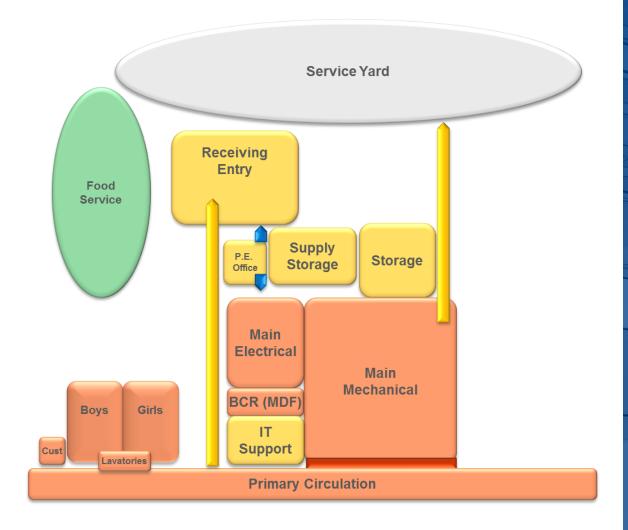


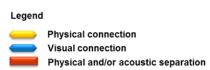
# **Custodial / Maintenance**

#### 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.





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



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# **Space Requirements**

	Required Spaces			
Support	Teaching Stations	Quantity	Square Feet	Net Area
Receiving Entry		1	150	150
Office, Plant Engineer		1	75	75
Custodial/Maintenance Storage		1	200	200
Supply Storage		1	250	250
IT Support		1	100	100
Custodial Closet		3	100	300
Total	0			1,075



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# Receiving Entry

USERS:	ACTIVITIES:
Plant Operator	Filing out documentation for receipt of goods
Maintenance Staff	Receiving miscellaneous school supplies
Custodial Staff	Receiving equipment
Kitchen Staff	Receiving food deliveries
Delivery Personnel	Disposal of school & food service waste
DECION CONCIDED ATION	

#### **DESIGN CONSIDERATIONS:**

- Provide space for waste bins and a 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.
- Provide bollards to prevent damage to buildings.

#### **FURNITURE, FIXTURES & EQUIPMENT:**

**Contractor Furnished – Contractor Installed** 

None

Owner Furnished - Contractor Installed

None

Owner Furnished – Owner Installed

None





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# **Custodial / Maintenance**

# Plant Engineer's Office

Bookcase

i lant Engineer e emee			
USERS:	ACTIVITIES:		
Plant Engineer     Out to Pale Out #	Office functions for Plant Engineer		
Custodial Staff	Repairing equipment using hand tools		
Maintenance Personnel	Scheduling of custodial staff		
	Reviewing staff requests		
<b>DESIGN CONSIDERATIONS:</b>			
<ul> <li>View to Receiving Entry</li> </ul>	View to Receiving Entry		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Cont	ractor Installed		
4' x 4' Tack board			
4'x4' Marker board			
Owner Furnished – Contract	or Installed		
None			
Owner Furnished – Owner In	stalled		
• Desk			
Filing cabinet			
Task chair			
Guest chair			

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### **Custodial / Maintenance**

#### Storage

- 1 - 10 -			
USERS:	ACTIVITIES:		
Plant Engineer	Repairing equipment using hand tools		
Custodial Staff	<ul> <li>Storing miscellaneous building supplies</li> </ul>		
<ul> <li>Maintenance Personnel</li> </ul>	Storing building maintenance equipment		
<b>DESIGN CONSIDERATIONS:</b>			

None

#### **FURNITURE, FIXTURES & EQUIPMENT:**

Contractor Furnished - Contractor Installed

3 locking cages to secure equipment/supplies

Owner Furnished - Contractor Installed

None

#### Owner Furnished – Owner Installed

- 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





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# **Custodial / Maintenance**

Supply Storage

USERS:	ACTIVITIES:		
<ul><li>Plant Engineer</li><li>Custodial Staff</li></ul>	<ul> <li>Storing miscellaneous school supplies</li> <li>Storing school furniture</li> <li>Storing school equipment</li> </ul>		
DESIGN CONSIDERATIONS	:		
None	None		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
None			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
Adjustable metal shelving	Adjustable metal shelving		



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# **Custodial / Maintenance**

### **IT Support**

Adjustable shelves

Tr Support				
USERS:	ACTIVITIES:			
IT Personnel	Store IT equipment			
Plant Operator	Repair IT devices			
<b>DESIGN CONSIDERATIONS:</b>				
None				
FURNITURE, FIXTURES & EQUIPMENT:				
Contractor Furnished – Contractor Installed				
None				
Owner Furnished – Contractor Installed				
None				
Owner Furnished – Owner Installed				
• 30 x 60 Table				
2 Chairs	• 2 Chairs			



# SUPPORT SERVICE

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# **Custodial / Maintenance**

**Custodial Closet** 

USERS:	ACTIVITIES:		
Plant Engineer	Storing of Mops and Brooms		
Custodial Staff	<ul> <li>Cleaning of mops and other custodial equipment</li> </ul>		
<b>DESIGN CONSIDERATIONS</b>			
Locate throughout school			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
Mop Sink			
Mop and Broom Rack			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
Metal shelving unit	Metal shelving unit		



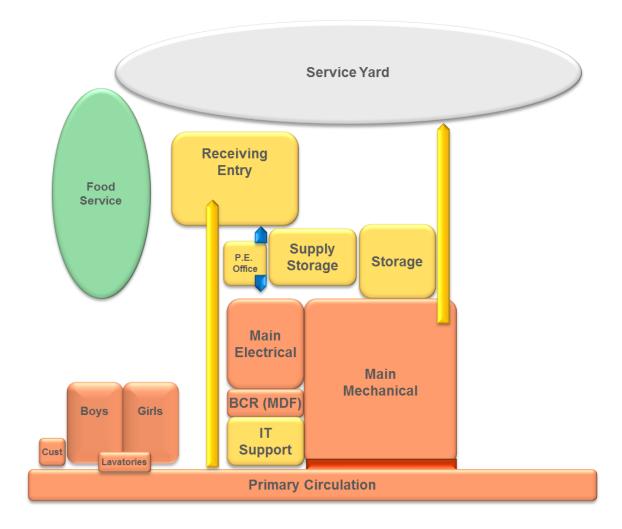
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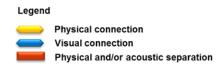


#### Overview:

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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# **Building Support**

#### Corridors

USERS:	ACTIVITIES:
<ul><li>Students</li><li>Faculty</li><li>Staff</li><li>Visitors</li></ul>	<ul> <li>Circulation of occupants</li> <li>Displaying awards, pictures, student work and school announcements</li> </ul>

#### **DESIGN CONSIDERATIONS:**

- Lockable display cases are encouraged for the displaying of awards, pictures, school announcements and student work.
- Decision on whether to provide student lockers as well as their size and location will be determined in conjunction with the PAT during the Schematic Design phase.
- 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
- Tack board / Tack wall

#### Owner Furnished - Contractor Installed

None

#### Owner Furnished - Owner Installed

None



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# **Building Support**

#### **Group Restrooms**

USERS:	ACTIVITIES:	
Students	Personal hygiene	
DEGICAL CONCIDED ATIONS		

#### **DESIGN CONSIDERATIONS:**

- No corridor doors
- Differentiate finishes between male and female restrooms to assist in identifying them
- Locate male and female restrooms to alleviate the possibility of accidently entering the wrong facility.

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

• Mirrors (locate so that they are not above sinks)

#### Owner Furnished - Contractor Installed

- Paper towel dispensers
- Soap dispensers
- Toilet paper dispensers

#### Owner Furnished - Owner Installed

None





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# **Building Support**

Single Restrooms

USERS:	ACTIVITIES:	
<ul> <li>Faculty</li> </ul>	Personal hygiene	
<ul> <li>Visitors</li> </ul>		
<b>DESIGN CONSIDERATIONS:</b>		
None		
<b>FURNITURE, FIXTURES &amp; E</b>	QUIPMENT:	
Contractor Furnished – Contractor Installed		
• Mirrors		
Owner Furnished – Contractor Installed		
Paper towel dispensers		
Soap dispensers		
Toilet paper dispensers		
Owner Furnished – Owner Installed		
None		

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# **Building Support**

#### Main Mechanical

USERS: ACTIVITIES:			
Plant Operator	Mechanical Equipment which heats and cools school		
Maintenance Staff	Repairing Mechanical Equipment		
	Servicing Mechanical Equipment		
<b>DESIGN CONSIDERATIONS:</b>			
Size overhead coiling door	Size overhead coiling doors to allow for replacement of equipment		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
Mechanical Equipment			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
• None			





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# **Building Support**Main Electrical

USERS:	ACTIVITIES:		
Plant Engineer     Electrical Equipment for school's electrical needs			
Maintenance Personnel	Repairing Electrical Equipment		
	Servicing Electrical Equipment		
<b>DESIGN CONSIDERATIONS:</b>			
Attempt to locate so not be	Attempt to locate so not below "wet" spaces.		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
Electrical Equipment			
Owner Furnished – Contractor Installed			
None			
Owner Furnished - Owner Ir	Owner Furnished – Owner Installed		
None	• None		



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# **Building Support**

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 an area within a 190 foot radius.
- In a multi-story building, FCRs shall be stacked.

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished - Contractor Installed

- Fire Rated Plywood on a minimum of 3 walls
- Fire alarm
- Intrusion alarm

#### Owner Furnished - Contractor Installed

None

#### Owner Furnished - Owner Installed

- IT Racks
- IT Equipment





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# **Building Support**

#### **Stairs**

USERS:	ACTIVITIES:		
Students	Vertical circulation for building occupants		
Faculty			
Staff			
Visitors			
DESIGN CONSIDERATION	S:		
<ul> <li>Stairs should be as oper</li> </ul>	Stairs should be as open as possible for maximum visibility and passive supervision		
Multiple staircases for student circulation should be considered rather than a single			
monumental stair			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
None			
Owner Furnished – Contractor Installed			
• None			
Owner Furnished – Owner Installed			
• None			



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# **Building Support**

# Elevator

USERS:	Vertical circulation for building occupants     vertical circulation for building occupants													
Students	Vertical circulation for building occupants  ONS:      & EQUIPMENT:     Contractor Installed  htractor Installed													
Faculty	ERATIONS: only TURES & EQUIPMENT: shed – Contractor Installed													
Staff														
<ul> <li>Visitors</li> </ul>														
ESIGN CONSIDERATIONS: Key operated only														
Key operated only														
Key operated only FURNITURE, FIXTURES & EQUIPMENT:														
Contractor Furnished – Conf	tractor Installed													
None														
Owner Furnished - Contract	or Installed													
None														
Owner Furnished – Owner In	stalled													
None														





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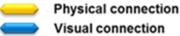
# **IT Support**

#### Overview:

HISD is in the early stages of an initiative which when completed will provide each learner with a laptop or tablet. In order to support this initiative, space for the repair and storage is to be provided. The space should be finished similar to Learning Centers so that if at some time in the future, the space is no longer needed for IT support, they can become a teaching station.



#### Legend





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

# HISD EDUCATIONAL SPECIFICATIONS HIGH SCHOOL FOR LAW & JUSTICE



		Required	l Spaces	
IT Support	Teaching Stations	Quantity	Square Feet	Net Area
Computer Repair Room (with transaction counter)		1	425	425
Computer Storage Room		1	425	425
Total				850



# DENT STATE OF THE PARTY OF THE

#### HISD EDUCATIONAL SPECIFICATIONS

#### **HIGH SCHOOL FOR LAW & JUSTICE**

# **IT Support**

#### Computer Repair

USERS:	ACTIVITIES:
<ul><li>2 Computer Repair Technicians</li><li>2-4 Students</li></ul>	<ul> <li>Distributing computers</li> <li>Receiving computers needing repair</li> <li>Repairing computers</li> <li>Instructing students on the repair of computers</li> </ul>
	·

#### **DESIGN CONSIDERATIONS:**

- Locate on first floor of multi-story buildings
- Design so that there is a direct connection to the Computer Storage Room.
- Provide surveillance cameras focused on entry to room

#### **FURNITURE, FIXTURES & EQUIPMENT:**

#### Contractor Furnished – Contractor Installed

- Blinds for windows
- Power and Data outlets located along perimeter
- Marker Board
- Tack Board

#### Owner Furnished - Contractor Installed

None

#### Owner Furnished - Owner Installed

- 12 Modular work benches
- 4 folding tables
- 6 task chairs
- 1 bookcase (height may be dependent on window sill height), with adjustable shelving
- Modular reception desk
- Clock

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# **IT Support**

# Computer Storage

Compator Ctorago									
USERS:	ACTIVITIES:								
Computer Repair	Storing Computers								
Technicians									
<b>DESIGN CONSIDERATIONS:</b>									
Design so that there is a direction	t connection to the Computer Repair Room.								
<ul> <li>Locate on first floor of multi store</li> </ul>	ory buildings								
<ul> <li>Provide surveillance cameras</li> </ul>	focused on entry to room								
<b>FURNITURE, FIXTURES &amp; EQUI</b>	PMENT:								
DESIGN CONSIDERATIONS:  Design so that there is a direct connection to the Computer Repair Room.									
Design so that there is a direct connection to the Computer Repair Room.  Locate on first floor of multi story buildings  Provide surveillance cameras focused on entry to room  FURNITURE, FIXTURES & EQUIPMENT:  Contractor Furnished – Contractor Installed  Power and Data outlets located along perimeter									
Owner Furnished - Contractor I	nstalled								
None									
Owner Furnished – Owner Insta	lled								

4 – wire bin shelving similar to Quantum #QUS954BLMetal storage shelving

Tall storage cabinets similar to Tennsco #7824MGY



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# FENESTRATION & INFRASTRUCTURE MATRIX

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DECEMBER 17, 2014
CONSTRUCTION AND FACILITY SERVICES
FACILITIES PLANNING



# 4

#### **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 sanitized 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 acoustical wall treatment as appropriate for all open, tall and/or noise producing spaces.
- G12. Not Used
- G13. Consider the use of large tackable wall surfaces where tackboard is noted.
- G14. Data drops noted on the matrix do not include wireless access 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. Removable interlocking rubber tile floor designed for use in weight rooms shall be provided and installed by contractor over a permanent substrate.
- C. Two 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. Provide acid resistant piping and neutralization.
- G. Provide system noted with an \* if required for specific curriculum.
- H. Provide lockable storage, including one ventilated cabinet for paints and thinners. Coordinate mechanical for proper ventilation.
- I. Provide large deep sink for cleaning instruments.
- I. 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 double door with removable mullion at corridor.
- T. Provide floor electrical and data outlets as required by equipment layout.



							FIN	IISHES										OP	ENINGS						H	IVAC, PL	UMBING	G AND EL	ECTRIC	AL						EQI	JIPMEN	NT AND	SPECIA	AL SYST	EMS				
				FLOOR					Р	ARTITIONS			CEILI	ING			DOC	ORS			WINDOV	NS	н	IVAC		PL	UMBING			ELE	CTRICAL			E	QUIPME	NT			BUILT-IN:	S	SF	PECIAL SYST	ΓEMS	1	
	Carpet	Wood	Concrete Polished or Stained Concrete	Sports	Ceramic Tile	Quarry Tile Resinous	Resilient	СМU	Gypsum Wallboard		Glass Wall Folding Wall	Exposed Structure	Acoustical Ceiling Tile	Gypsum Wallboard Ceiling Height	Min/Max Aluminum	Hollow Metal	Wood, plastic laminate	Roll-up, interior glass	Roll-up, interior grille	Interior	None	Daylighting	Exhaust to exterior	Fume/Exhaust Hood Dust Collection System	Sink	Natural Gas (double outlet @ each)	Drinking fountain	Eye wash & Shower	Duplex	Quad		Multiple Light Levels	Specialty Lockers	Markerboard	Tackboard / Tackwall	Interactive Board	Projection Screen	Counters	Wall Cabinets	Built-in Shelves	Phone		Specialty		NOTES
Neighborhoods																																													
Learning Center			Х				Х	Х	Х		х х		Х	9/	′10 X		Х	Х	Х			Х							8	3	6	Х		2	3	1					Х				
Science Learning Center/Wet Lab			Х				Х	Х	Х		х		Х	9/	′10 X		Х		Х			Х	Х	Х	8	8		1 X	16		10	Х		2	3	1		Х	X >	( X	Х			С	,F,G
Wet Lab Storage			Х				Х	Х	Х				Х		8		Х		Х		Х		Х	Х	1	1		1 X	4	1	1			1	1			Х	X >	( X	Х				
Learning Commons/Extended Learning Area	Х		Х					Х	Х		х	Х	Х	12	/16 X		Х	Х	X	. X		Х					2 chai	rging are	eas wit	h 3 qua	ids e	Х		1	1	1					Х				D
Learning Commons/Extended Learning Area Storage			Х				Х	Х	Х				Х		8		Х		X		Х																								
Small Group Room	Х		Х					Х	Х		Х		Х	9/	′10 X		Х		X	. X									4		1	Х		1	1						Х				
Storage			Х				Х	Х	Х				Х		8		Х		Х		Х								2										>	(					





		FINISHES		OPENINGS			HVAC, PLUMBING AND EL	ECTRICAL	EQUIPM	ENT AND SPECIAL SYST	EMS
	FLOOR	PARTITIONS	CEILING	DOORS	WINDOWS	HVAC	PLUMBING	ELECTRICAL	EQUIPMENT	BUILT-INS	SPECIAL SYSTEMS
	Carpet Wood Concrete Polished or Stained Concrete Sports Ceramic Tile Quarry Tile Resilient	CMU Gypsum Wallboard Ceramic Tile Glass Wall Markable Wall	Exposed Structure Acoustical Celling Tile Gypsum Wallboard Ceiling Height Min/Max	Aluminum Hollow Metal Wood, plastic laminate Roll-up, interior non- insulated Roll-up, interior grille	Interior None Daylight Exposure	Exhaust to exterior Fume Hood Dust Collection System	Sink Drinking fountain Drinkning fountain Eye wash	Duplex Quad Quad 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 Built-in Shelves	Phone Specialty MOTES
Space Allocation Specific to Program											
Communications	x x	X X X	X 9	X X	х х			12 6 6 X	2 3 1		X T







		1	FINISHES				OPENINGS	S	MECHA	ANICAL, PLUMBING AND	ELECTRICAL	EQUI	PMENT AND SPECIAL S	YSTEMS	
	FLOOR		PART	ITIONS	CEILING		DOORS	WINDOWS	MECHANICAL	PLUMBING	ELECTRICAL	EQUIPMENT	BUILT-INS	SPECIAL SYSTEMS	
	Carpet Wood Concrete Sports	Quarry Tile Resinous	Gypsum Wallboard	Glass Wall Folding Wall	Acoustical Ceiling Tile Tile Gypsum Wallboard Ceiling Height Min/Max	Aluminum Hollow Metal Wood, plastic	laminate Roll-up, interior non- insulated Roll-up, interior grille	Interior None Operable Daylight Exposure	Fume Hood Dust Collection System Independent A/C Unit Individual room Hermostat	Sink Natural Gas Drinkning fountain Eye wash	Prioor grain  Duplex  Quad  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 Built-in Shelves	Intercom Speaker Call Button Phone	Specialty
Performing Arts															
Vocal Music Learning Center	x		х х		X 16/28	Х	х	x x x	X X	2	6 2 4 X	1 3 1	Х	x x x	W,X
Uniform / Music Storage / Library		Х	х х		х		х	Х			2 1	1 1	х	х х	
Practice Room		х	хх		х		х	X			2 1	1 1	Х		



								FINIS	HES										OPENI	INGS					ŀ	HVAC, P	LUMBIN	G AND E	LECTRIC	AL						EQ	UIPMEN	IT AND	D SPECIA	L SYSTE	MS			1
				FLO	OR					PAR	TITIONS			CEILI	ING			DOORS			w	INDOWS		HVAC		Р	LUMBING			ELI	ECTRICAL				EQUIPME	NT			BUILT-INS		SPI	ECIAL SYSTE	EMS	ı
Physical Education / Athletics	Carpet	Wood	Concrete	Concrete Snorts	Ceramic Tile	Quarry Tile	Resinous	Resilient	СМО	Gypsum Wallboard	Ceramic tile	5 5	Exposed Structure	Acoustical	Gypsum Wallboard Ceiling Height	Aluminum	Hollow Metal	Wood, plastic laminate Roll-up, interior non-	insulated Roll-up, interior grille	View Lite	Interior	None	Daylighting	٠	Sink	Natural Gas	Drinking fountain	Eye Wash	Duplex	Quad		Switching to Allow Multiple Light Levels	Specialty	Markerboard	Tackboard/Tackwall	Interactive Board	Projection Screen	Counters	Wall Cabinets Tall Storage Cabinets	Built-in Shelves	Phone		Specialty	Notes
Multi-Purpose Activity Learning Center				)	·			1	Х	Y		Х	X	X	16/2	3		X		Х			Υ						8	3	6	X			2			4			Х			
Workout Room				×	(				X	X		/	X	X	9/1:			X		X			X						8		8	X		1	2				_	_	X	_	+	
Boys/Girls P.E. Locker Rooms				Х	X		Х		Х	X		-		X	0,			X			Х							Х	4		2		Х	1	2		$\Box$	$\pm$	+	+	X	+	+	E
Student Toilet / Showers				Х	Х		Х		Х	Х	Х				Х		Х					Х			Х			Х	_															
Adult Toilet / Shower / Locker				Х	Х		Х		Χ	Х	Х				Х		Х					Х			Х			Х					Х											i
Office (shared)				Х				Х	Х	Х				Х				Х		Х			Х						8	1	2	Х		1	2						Х			
Storage				Х				Х	Х	Χ				Х			Х			Х		Х							1															l



						FIN	ISHES								OP	ENINGS					HVAC, I	PLUMBING AND I	ELECTRI	CAL						EQUIPMI	ENT A	ND SPECIAL	SYSTE	MS		
			FLOOR	₹				PAR	TITIONS		CEI	LING		DO	ORS		v	vindows	HV	AC		PLUMBING		E	LECTRIC	AL		EQUIP	MENT			BUILT-INS		SPECIAL	SYSTEMS	
	Carpet	Wood	Polished or Stained Concrete Sports	Ceramic Tile	Quarry Tile	Resilient	СМU	Gypsum Wallboard	Ceramic Tile Glass Wall	Folding Wall Exposed Structure	Acoustical Ceiling Tile	Gypsum Wallboard Ceiling Height Min/Max	Aluminum Hollow Metal	Wood, plastic laminate	Roll-up, interior non- insulated	Roll-up, interior grille View Lite	Interior	None Daylighting	Exhaust to exterior	Dust Collection System	Sink Natural Gas	Drinking fountain Eye wash	Duplex	Quad	Data / Voice	Switching to Allow Multiple Light Levels Specialty	Lockers	Markerboard	Š,	Interactive Board Projection Screen	Base Cabinets with Counters	Wall Cabinets Tall Storage Cabinets	helves	Phone	Specialty	NOTES
Administration / Guidance	, ,																									, <u> </u>										
Administration																																				
Main Reception	Х		Х			Х	Х	Х	Х		Х		Х			Х	Х	Х					7	2	4	Х		)	x					Х		Α, D
Office A	Х						Х	Х			Х			Х		Х		Х					4	1	2	Х		1 :	1					Х		
Office C (Principal)	Х						Х	Х			Х			Х		Х		Х					6	2	4	Х		1 :	1					Х		D
Principal's Restroom				Х	X	(	Х	Х	х			Х		Х				Х			1	1	1													
Office B (A.P.)	Х						Х	Х			Х			Х		Х		Х					4	1	2	Х		1 :	1					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		1 :	1					Х		D
Small Conference Room	Х						Х	Х	Х		Х		Х			Х		Х					4	1	2	Х		1 :	1					Х		D
Storage			Х			Х	Х	Х			Х			Х		Х		Х					1		1											
Health Clinic																																				
Restroom				Х	X	(	Х	Х	х			Х		Х				Х			1	1	1													
Guidance / Student Services																																				
Office B/D (Counselor/Attendance/Registrar/Counselor)	Х						Х	Х			Х			Х		Х		Х					4	1	2	Х		1 :	1					Х		
Conference Room, Small	Х						Х	Х	Х		Х		Х			Х		Х					4	1	2	Х		1 :	1					Х		
Records / File Room			Х			Х	Х	Х			Х			Х		Х		х					1		1			1 :	1				х	Х		
Workroom / Break Room	Х		Х			Х	Х	Х			Х			Х		Х		Х			1	Х	( 8	2	4	х		1 :	1		Χ	Х	Х	Х		Q
Mail Room			Х			Х	Х	Х			Х					Х		Х				Х	( 2		1			:	1					Х		
Shared																																				
Teacher Work Center	Х		Х			Х	Х	Х			Х			Х		Х	Х	Х			Х		Х	Х	Х	Х		1 :	1		Χ	Х		Х		
Office B (Itinerant)	Х						Х	Х			Х			Х		Х		Х					6	2	4	Х		1 :	1					Х		
Multi-use / Community Room	Х		Х			Х	Х	Х	Х		Х	9/10	x			Х		Х					8	4	8	х		2 3	3	1				Х		





					FINI	SHES					0	PENINGS				HVAC, P	LUMBING AND EL	ECTRICAL					EQUIPN	/IENT A	ND SPECIA	AL SYSTE	MS		
		FLO	OOR				PARTITIONS	С	EILING		DOORS		wir	NDOWS	HVAC	F	PLUMBING	E	LECTRIC	AL		EQUIPM	IENT		BUILT-INS	i	SPECIAL	. SYSTEMS	- I
	Carpet Wood	Polished or Stained Concrete	Sports Ceramic Tile	Quarry Tile	Resilient	Manufacturer's Panels	Ceramic Tile or FRP Glass Wall	Exposed Structure		Hollow Metal	Wood, plastic laminate 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)	Drinking fountain Eye wash & Shower Floor drain	Duplex Quad	Data / Voice	Switching to Allow Multiple Light Levels Specialty	Lockers	Markerboard Tackboard / Tackwall	Board	Base Cabinets with Counters	Wall Cabinets Tall Storage Cabinets	s	Phone	Specialty	NOTES
Food Service																													
Food Preparation																													
Cooler				X X	(	Х		Mfi	. Mf	r.																			
Freezer				X >	(	Х		Mfi	. Mf	r.				х															
Dry Storage				x >	(	Х		Х		х	Х			х				х											
Kitchen Manager's Office				x >	X	Х	х х	Х		х	Х	Х	Х	х				2 2	2	х		х х					х		
Food Prep. / Cook Line	Х	K		X >	(		Х	Х		Х	Х				хх	Х	X	as required	d for e	equipt									
Laundry Area	X	×		X >	(	Х	Х	Х		Х	Х			Х	x		x	1		Х									N,O
Custodial	Х	K		X	(	Х	Х	Х		Х	Х			Х	Х	Х	X	1											N,O
Locker Room	)	x	Х	X	(	Х	Х	Х		Х	Х			Х	х	Х	X	1		Х	Х	X					Х		
Restroom	)	x	Х	X	(	Х	Х	Х		Х	Х			Х	х		x x	1											
Serving Area	Х	K		X >	(	Х	Х	Х		Х	Х	Х	Х		Х	Х	X	X X	1 per	POS									
Student Dining																													
Commons Area		х			Х	Х	<b>)</b>	X X	X 16/20	Х	Х	x x	Х	Х			Х	12 4	4	х		x x					Х		R
Storage	>	х х			Х	Х				Х	Х		Х	Х				1											
Stage	х				Х	Х		Х		Х	Х							3 6	5	Х			Х				1   -		



						FINISHES	i									OP	ENINGS						HV	AC, PLU	MBING A	AND ELE	CTRIC	AL						EQUIPI	MENT A	ND SPE	CIAL SYS	TEMS			
			FLOOR					ARTITIONS	;		CEII	ING			DC				WINDOWS		HV	AC			ИBING				CTRICAL			EQU	IIPMENT			BUILT-			SPECIAL SYSTEM	иs	
	Wood  Concrete Polished or Stained Concrete Sports Ceramic Tile Quarry Tile Resinous Resilient				Resilient	Gypsum Wallboard	Ceramic Tile or FRP	Glass Wall	Folding Wall Exposed Structure	Acoustical	Gypsum Board	Min/Max Aluminum	Hollow Metal	Wood, plastic laminate	Roll-up, interior non- insulated	Roll-up, interior grille	Interior	None	Daylight Exposure	Exhaust to exterior	Dust Collection System	Sink	Natural Gas	Drinking 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	Wall Cabinets	Tall Storage Cabinets	Built-in Shelves Phone		Specialty	Notes	
Custodial / Maintenance																																									
Receiving Entry		Х				Х					Х	10	5/20	Х		Х	>	:							Х	Х	4		1									Х			
Plant Engineer Office		Х				Х Х	Х				Х			Х			>	X		Х							4		2 X			1	1								
Custodial / Maintenance Storage		ХХ				Х Х	Х				Х			Х			>		Х							Х	6		1			1	1								
Supply Storage																																									
IT Support		Х				Х Х	Х				Х			Х			>		Х	Х							12	4	6			1	1								
Custodial Closets		Х	2	Х	Х	Х					Х	Х		Х	Х				Х							Х	1														N



								FINI	SHES							OPENINGS								HVAC, PLUMBING AND ELECTRICAL											EQUIPMENT AND SPECIAL SYSTEMS											
		FLOOR					PARTITIONS					CEILING			DOORS				WINDOWS			HVAC		PLUMBING			ELECTRICAL					EQUIPMENT			BUILT-INS			SPECIAL SYSTEMS								
	Carnet	Wood	Concrete	Polished or Stained Concrete	Sports	Ouarry Tile	Resionous	Resilient	сми	Gypsum Wallboard	Ceramic Tile Glass Wall	<u>70</u>	Exposed Structure	Acoustical Ceiling Tile	Gypsum Wallboard Ceiling Height Min/Max	Aluminum	let	Roll-up, interior non-	Insulated Roll-up, interior grille	View Lite	Interior	None	Dayıığırınığ			Natural Gas	Drinking fountain	Eye wash Floor drain	Duplex	Quad	Data / Voice	Switching to Allow Multiple Light Levels	Specialty	Lockers	Markerboard	<u> </u>	Interactive Board Projection Screen	Base Cabinets with	Counters Wall Cabinets	Tall Storage Cabinets	Built-in Shelves	Phone		:	Specialty	NOTES
Building Support																																														
Corridors			Х	Х				Х	Х	Х	Х	Х	Х	Х		Х	Х Х	(	Х	Х		Х	(				Х		Х	Х					)	Х						Х				
Student Restrooms			Х		>	(	Х		Х	Х	Х				Х	N	lo Door	s						Х	X			Х	Х	Х	Х											Х				
Adult Restrooms			Х		>	(	Х		Х	Х	Х			Х	Х		Х	(						Х	X			Х	Х	Х	Х											Х				
Stair, Main / Open			Х	Х				Х	Х	Х	Х		Х	Х	Х		Х			Х		Х	(																							
Stair, Exit			Х	Х				Х	Х				Х		Х		Х			Х		Х	(																							
Mechanical Room			Х						Х				Х									Х								1	2															
Electrical Room			Х					Х	Х	Х			Х									Х								1	2															
Building / Floor Communication Room (BCR/FCR)			Х					Х	Х	Х	Х		Х									Х																								
Elevator								Х	Х				Mft St	andar	rd							Х																								
Elevator Machine Room			Х					Х	Χ				Х	Х			х х	(			Х																					Х				-
IT Support			Х					Х	Х			Х	Х	Х			Х	(		Х		Х							16	8	32	Х			1 1	1						Х				