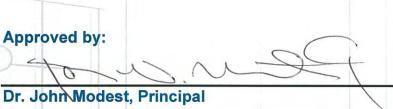
HOUSTON INDEPENDENT SCHOOL DISTRICT

HISD **EDUCATIONAL** SPECIFICATIONS





FINAL



EVAN E. WORTHING HIGH SCHOOL



JUNE 12, 2014





CONSTRUCTION AND FACILITY SERVICES **FACILITIES PLANNING** Customer Focused Always Responsive

3200 Center Street • Houston, TX 77007-5909



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GUIDING PRINCIPLES

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

Evan E. Worthing High School's Guiding Principles:

- The building should be an environment where students, faculty, staff and community feel safe and secure.
- Use of technology will be integrated and promoted throughout the curriculum and make learning more interactive and seamlessly embedded in the daily school routine.
- The design will incorporate flexibility to adapt to the universal learning styles of all students.
- 21st Century principles of learning will focus on collaboration, linked learning, interdisciplinary studies, and teaming. College and Career readiness will be emphasized throughout the school community.

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.

This Educational Specification evolved through a collaborative process with the school and its 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. This document includes descriptions of each space in the facility, the activities anticipated within and the furniture, fixtures and equipment (FF&E) expected to be needed. Final decisions on the FF&E for each space will be confirmed in conjunction with the facility's users once construction is underway.

Educational Program Delivery:

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

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

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



Eight Ways of Learning:

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

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

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

Technology

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

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

Flexibility

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

Flexibility is addressed in this educational program through providing:

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

Organization

At the 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 21st 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.

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.

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

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.

Offices in this area 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.

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 areas, Career & Technical Education learning centers 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.

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-inprogress. Configuration will provide as much display space as possible to showcase student work within the room and in display cases visible from the corridor. The connecting kiln room will provide an area to store work waiting to be fired as well as safe control and ventilation for the kiln.

Performing Arts

Design, flexibility, and acoustics should be especially considered when planning these spaces. The Instrumental Music/Vocal Music and Performance square footage will be grouped together. Storage areas, practice rooms, and teacher areas will connect with the larger space and be shared when feasible.

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. Restrooms should be provided near public area as well as near or in the neighborhoods.

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 as an actual teaching model and example of technology and environmentally conscious design should be considered. Creativity and functionality should work hand in hand.

University Interscholastic League (UIL)

HISD is proud of their involvement in UIL and meeting their minimum facility requirements for hosting meets should be a goal. In addition to athletic competitions, UIL sponsors other competitions including theatre, academics, debate, etc. Information on their requirements and programs is available at https://www.uiltexas.org/





CAPACITY MODEL & SPACE REQUIREMENTS



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



Capacity Model

	# Teaching Stations	Students per Teaching Station	Building Capacity	% Utilization	Program Capacity
Learning Center (English, Math, Social Studies, World Language, ESOL, Health)	25	28	700	85%	595
Science Wet Lab	5	28	140	85%	119
Special Education Learning Center	4	12	48	85%	41
IT: Computer Networking and Maintenance	1	28	28	85%	24
IT: Computer Programming	1	28	28	85%	24
Hospitality: Hotel Management	1	28	28	85%	24
Agriculture (Animal/Veterinary Sciences)	1	28	28	85%	24
Health Science	2	28	56	85%	48
Junior ROTC	2	28	56	85%	48
Visual Arts Wet Lab	1	28	28	85%	24
Instrumental Music Learning Center	1	28	28	85%	24
Dance/Theater	1	28	28	85%	24
Vocal Music Learning Center	1	28	28	85%	24
Gymnasium (Main Gymnasium counts as 2 teaching stations)	2	32	64	85%	54
Auxiliary Gymnasium	1	32	32	85%	27
Total	49		1,320		1,122

These Educational Specifications were developed after completion of significant design work of a previous building program (2007 Bond). The work already planned was taken into account as this document was prepared and the square footages included herein are reflective of the totals which will result at the completion of the 2007 and the 2012 Bond programs.

Space Requirements Summary

	Teaching Stations	Total
Core Academic Area	34	49,809
Career & Technical Education	6	12,829
UT Baylor Health Clinic	0	1,373
Junior ROTC	2	3,062
Visual Arts	1	1,742
Performing Arts	3	16,275
Physical Education/Athletics	3	28,175
Welcome Center/Administration Space Requirements	0	12,697
Food Service Space Requirements	0	9,963
Custodial/Maintenance Space Requirements	0	1,653
Total Net	49	137,578
Building Support		67,302
Total Gross		204,880

Space Requirements

		Required	d Spaces	
Neighborhoods	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Learning Center	1	1	873	873
Learning Center	1	1	784	784
Learning Center	1	1	1,134	1,134
Learning Center	1	1	759	759
Learning Center	1	1	759	759
Learning Center	1	1	766	766
Learning Center	1	1	1,147	1,147
Learning Center	1	1	781	781
Learning Center	1	1	773	773
Learning Center	1	1	880	880
Learning Center	1	1	778	778
Learning Center	1	1	757	757
Learning Center	1	1	855	855
Learning Center	1	1	881	881
Learning Center	1	1	838	838
Learning Center	1	1	954	954
Learning Center	1	1	922	922
Learning Center	1	1	815	815
Learning Center	1	1	823	823
Learning Center	1	1	889	889
Learning Center	1	1	757	757
Learning Center	1	1	851	851
Learning Center	1	1	851	851
Learning Center	1	1	851	851
Learning Center	1	1	853	853
Science Wet Lab	1	1	1,485	1,485
Science Wet Lab	1	1	1,465	1,465
Science Wet Lab	1	1	1,484	1,484
Science Wet Lab	1	1	1,591	1,591
Science Wet Lab	1	1	1,549	1,549
Science Prep Room		1	404	404
Science Prep Room		1	235	235

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Science Prep Room		1	194	194
Science Prep Room		1	214	214
Chemical Storage		1	80	80
Chemical Storage		1	65	65
Chemical Storage		1	64	64
Chemical Storage		1	55	55
Flex Lab		1	1,129	1,129
Learning Commons/Extended Learning				
Learning Commons (2007 Addition)		1	2,812	2,812
Extended Learning (2007 Addition)		3	1,299	3,896
Extended Learning Areas (2012 Addition)		2	665	1,329
Workroom		1	182	182
AV Storage		1	95	95
Toilet Room (Learning Commons)		1	61	61
Lecture Hall		1	1,891	1,891
Special Education Learning Center	1	1	853	853
Special Education Learning Center	1	1	853	853
Special Education Learning Center	1	1	759	759
Special Education Learning Center	1	1	780	780
Kitchen/Restroom/Changing Room/Storage/Laundry		1	600	600
Special Education Job Training Center		1	532	532
Apollo Tutoring Rooms		1	953	953
Apollo Tutoring Rooms		1	418	418
Small Group Room		6	100	600
Computer Repair and Storage Room		1	850	850
Storage		1	1,000	1,000
Total	34			49,809

		Required	l Spaces	
Career and Technical Education	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
CTE - IT: Computer Programming Lab	1	1	1,766	1,766
Storage		1	86	86
CTE - Computer Networking and Maintenance Lab	1	1	2,096	2,096
Storage		1	304	304
CTE - Hotel Management/Hospitality/Tourism Lab	1	1	1,400	1,400
Laundry		1	200	200
Dining & Banquet Room		1	1,200	1,200
Dry Storage		1	198	198
Catering Storage		1	200	200
CTE - Agriculture: Animal/Veterinary Sciences Lab	1	1	1,712	1,712
Storage		1	200	200
CTE - Health Science Learning Center	1	1	1,497	1,497
CTE - Health Science Learning Center	1	1	1,482	1,482
Prep Room		1	406	406
Chemical Storage		1	82	82
Total	6			12,829

	Required Spaces				
Junior ROTC	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided	
JROTC Learning Center - Large	1	1	1,149	1,149	
JROTC Learning Center - Small	1	1	850	850	
JROTC Small Group Collaboration		1	120	120	
JROTC Instructors Center		1	165	165	
JROTC Uniform/Drill Team/Color Guard Storage		1	320	320	
JROTC Arms/Weapons Storage		1	58	58	
JROTC Chair/Table/Target Storage		1	400	400	
Total	2			3,062	

HISD EDUCATIONAL SPECIFICATIONS

		Required	l Spaces	
UT Baylor Health Clinic	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Waiting/Reception Area		1	137	137
Office		2	125.5	251
Restroom		2	70	140
Private Exam Room		1	103	103
Private Exam Room		2	103	206
File/Copy Room		1	200	200
Lab		1	204	204
Pharmacy Storage		1	32	32
Interview Room		1	100	100
Total	0			1,373

	Required Spaces				
Visual Arts	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided	
Visual Arts Wet Lab	1	1	1,200	1,200	
Kiln Room		1	93	93	
Storage Room		1	249	249	
Ceramics Room		1	200	200	
Total	1			1,742	

		Required	l Spaces	
Performing Arts	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Instrumental Music Learning Center	1	1	1,729	1,729
Instrument Storage		1	370	370
Uniform/General Storage		1	261	261
Music Storage/Library		1	125	125
Vocal Music Learning Center	1	1	1,101	1,101
Uniform/General Storage		1	216	216
Music Storage/Library		1	101	101
Dance/Theater Learning Center	1	1	1,006	1,006
Auditorium (Existing)		1	7,075	7,075
Stage		1	1,560	1,560
Control Room		1	81	81
Prop Storage		1	500	500
Costume Storage		1	368	368
Dressing Room with Restroom		1	493	493
Dressing Room with Restroom		1	493	493
Shared Workroom/Office		1	235	235
Shared Ensemble Room		1	345	345
Shared Practice Room		2	54	108
Shared Practice Room		1	54	54
Shared Practice Room		1	54	54
Total	3			16,275

	Required Spaces				
Physical Education/Athletics	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided	
PE/Athletics Lobby (Consider a Concessions Area/Stand)		1	800	800	
Concession		1	250	250	
Gymnasium (seating for 800 Students)	2	1	10,487	10,487	
Auxiliary Gymnasium (seating for 1/3 of program capacity of school)	1	1	8,013	8,013	
Meeting Room/ Lecture Space (retractable Tiered Seating)		1	1,000	1,000	
Weight Room		1	1,100	1,100	
Boys' Athletic Locker Room		1	1,205	1,205	
Girls' Athletic Locker Room		1	852	852	
Boys' PE Locker Room		1	600	600	
Girls' PE Locker Room		1	601	601	
Boys' Toilets/Showers		1	320	320	
Girls' Toilets/Showers		1	320	320	
Adult Toilet/Shower/Locker		1	124	124	
Adult Toilet/Shower/Locker		1	124	124	
Athletic Director (Office C)		1	174	174	
Office (shared)		1	250	250	
Office (shared)		1	252	252	
Storage (Future Training Room)		1	400	400	
Laundry		1	154	154	
PE Equipment Storage		1	400	400	
Athletic Equipment Storage		1	749	749	
Total	3			28,175	

	Required Spaces			
Administration/Guidance	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Administration				
Reception and Entry Vestibule, Administration		1	624	624
Office A (Near Apollo Rooms)		1	112	112
Secretary		1	125	125
Registrar		1	100	100
Attendance		1	100	100
Office C (Principal)		1	250	250
Principal's Restroom		1	50	50
Office B		1	125	125
Office B (Business Manager)		1	125	125
Office B		1	171	171
Office B		1	196	196
Office B (Near Apollo Rooms)		1	226	226
AP Reception/Waiting		1	382	382
Conference Room, AP		1	229	229
Conference Room, Main		1	282	282
Conference Room, Small (Attached to Principal's Office)		1	149	149
Storage (1 is School Store)		2	247	494
School Closet		1	197	197
Storage (Auditorium Area)		1	141	141
Health Clinic		1	514	514
Reception/Waiting		1	84	84
Office A (Nurse)		1	107	107
Restroom		1	72	72
Guidance/Student Services				
Reception, Guidance (1 Shared Clerk)		1	200	200
Office B (Counselors and Instructional/ Teacher Specialists)		1	125	125
Office B (Counselors and Instructional/ Teacher Specialists)		1	125	125
Office B (Counselors and Instructional/ Teacher Specialists)		3	125	375
Office B (Counselors and Instructional/ Teacher Specialists)		1	125	125
Office B (Counselors and Instructional/ Teacher Specialists)		1	125	125
Conference Room, Small (SPED)		1	300	300
Records/File Room		1	206	206
SPED Office		2	100	200

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Communities in Schools (Tech room) (Sized to House CPU Cows)		1	324	324
Textbook Storage		1	192	192
Mail Pick Up Room		1	74	74
Shared				
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	812	812
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	1,004	1004
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	1,010	1010
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	760	760
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	518	518
Professional Development/Data Center		1	400	400
Police/Security Suite Waiting Area		1	183	183
Office A		1	99	99
Small Conference		1	158	158
Multi-Use/Community Room		1	276	276
New Mother's Room		1	51	51
File Room		1	200	200
Total	0			12,697

	Required Spaces			
Food Service	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Kitchen Preparation Area		1	1,198	1,198
Serving Area		1	1,401	1,401
Dry Storage		1	259	259
Freezer		1	200	200
Cooler		1	200	200
Kitchen Manager's Office		1	93	93
Laundry/Custodial Area		1	90	90
Locker Room/Restroom		1	122	122
Student Dining Commons (seating for 1/3 of students at one time plus 200 for dining)		1	6,200	6,200
Dining Commons Storage		1	200	200
Total	0			9,963

	Required Spaces			
Custodial/Maintenance	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Receiving Entry		1	151	151
Office, Plant Engineer		1	88	88
Custodial/Maintenance Storage		1	300	300
Supply Storage		1	301	301
IT Support		1	185	185
Custodial Closet (Includes Toilet and Lockers)		1	272	272
Custodial Closet		1	113	113
Custodial Closet		1	99	99
Custodial Closet		1	24	24
Custodial Closet		1	40	40
Custodial Closet		1	38	38
Custodial Closet		1	42	42
Total	0			1,653









CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION



Site

Overview

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

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

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

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

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

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

Design Considerations

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

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

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

HISD EDUCATIONAL SPECIFICATIONS

EVAN E. WORTHING HIGH SCHOOL

Site

Future Addition/T-Buildings Area

	inge / tea			
USERS:	ACTIVITIES:			
Students	Generally square area to accommodate six (6) temporary			
Faculty/staff	buildings.			
DESIGN CONSIDERATIONS:				
	which additing the location, conclude proximity of group tenets and early bere lacing			
	s/Information Center, Food Service, etc.			
	on, consider access to the area for transporting the buildings to			
and from the site.				
	m permanent buildings should not cross vehicular traffic.			
 Do not use areas programm 	ned for other uses for temporary buildings.			
FURNITURE, FIXTURES & EQ	UIPMENT:			
Contractor Furnished – Contr	ractor Installed			
Provide underground conduit and stub ups from the nearest power panel in the main				
building for future electrical	connections. This panel should be provided with the required			
extra capacity.				
 Provide underground conduit and stub ups for future data connections. 				
Owner Furnished – Contractor Installed				
None				
Owner Furnished – Owner Installed				
None				

Site

Service Court/Access Drive/Dumpster

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

HISD EDUCATIONAL SPECIFICATIONS

EVAN E. WORTHING HIGH SCHOOL

Site

Bus Loop/Parking/Staging

1 0 0	0	
USERS:	ACTIVITIES:	
Staff	 Entry, exit and staging of up to 6 buses 	
Teachers	 Overnight parking for up to 6 buses/daytime parking for 	
Students	driver's personal vehicles	
Parents		
DESIGN CONSIDERATIONS:		
The designated loading zor	e 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	
	a second priority, outdoor play area.	
	red, accessible loading area for buses that is closer to the school	
	vith the exception of special needs children).	
	ve a capacity of 60 students. Consider the turning radii of buses	
	e and pickup students without having to cross roadways or back	
up.		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
None		

Site

Car Parking

Carraining	
USERS:	ACTIVITIES:
 Parents Students (High School) Community members Faculty/Staff 	 Parking for School Faculty and Staff plus 10% Parking for Guests – provide spaces equal to 1% of the student capacity or 10 spaces whichever is greater. Student parking at High Schools will likely not be possible due to the constraints of the site.
DESIGN CONSIDERATIONS:	
 Car drop-off/pickup should i Locate staff/visitor parking a entrance as well as for visu. Provide convenient preferred special needs however, all o the school that it is clear that space Locate 15 of the staff space and Food Service Staff 	bus traffic and car drop-off/pickup not interfere with traffic flow to car parking at the front of the building to promote and identify the front al surveillance from Administration. In parking spaces for low emission vehicles and those with other parking spaces should be located far enough away from at priority is given to walkers, bikers, playgrounds and open as near the Service Court for use by the Maintenance, Custodial
FURNITURE, FIXTURES & EQ	
 Contractor Furnished – Contractor Furnished – Contractor Spaces "Visitor" spaces 6 "Reserved" spaces 	paces
Owner Furnished – Contracto	or Installed
None	
Owner Furnished – Owner Ins	stalled
None	

HISD EDUCATIONAL SPECIFICATIONS

EVAN E. WORTHING HIGH SCHOOL

Site

Car Staging/Access

USERS:	ACTIVITIES:				
Parents/Students	Safely discharge and pick-up students from private vehicles				
DESIGN CONSIDERATIONS:	DESIGN CONSIDERATIONS:				
	ears le shall provide a minimum of 60 inches wide by 240 inches long the vehicle pull-up space with the long dimension parallel to the				
	nce but so as not to interfere with bus loading.				
FURNITURE, FIXTURES & EQ					
Contractor Furnished – Contr	Contractor Furnished – Contractor Installed				
None					
Owner Furnished – Contracto	or Installed				
None					
Owner Furnished – Owner Installed					
None					

Site

Pedestrian Circulation

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

EVAN E. WORTHING HIGH SCHOOL

Site

Football/Soccer/Track (Existing)

		<u> </u>	
	ERS:	ACTIVITIES:	
•	Faculty	Competing (Athletics)	
•	PE Students	Practicing (Athletics)	
	Athletic Teams	Physical Education classes	
•	Community		
DE	SIGN CONSIDERATIONS:		
•	meter, 8 lane track. As clos axis. Additionally, provide for	t for soccer and a 160'x360' layout for football all within a 400 ely as possible, align the football/soccer field along a NW/SE or separate high jump, long jump, triple jump, pole vault, shot put landing areas for shot put and discus are not on the	
•	Provide space for future ble	achers, concession/ticket stand, and scoreboard.	
•	Provide 4'-0" high perimete		
	RNITURE, FIXTURES & EC		
Co	ntractor Furnished – Cont		
•	Permanently installed appa	ratus/infrastructure:	
	straight sections and th	start	
	c. 400 meter, curved		
	d. 800 meter, curved		
	e. 1600 meter, curved		
	f. 3200 meter, waterf		
		v, staggered start plus exchange zone	
		y, stagger start plus exchange zone	
	i. 3200 meter relay, v	vaterfall start plus exchange zone	
	j. 100 meter hurdles,	straight start	
	k. 110 meter hurdles,	straight start on apron	
		diate hurdles, one curve staggered start	
		anting box, and landing pad space for pole vault	
	Rubberized runway and		
		d sand pit for triple jump	
	 Rubberized apron for h 		
	 Concrete throwing circl 		
	Concrete putting circle		
		gooseneck goal posts for football	
•			
	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			
00	None	or instaned	
•		stallod	
	ner Furnished – Owner In	Stallen	
	Pole vault landing pad Soccer goals		
,	Succei guais		

Site

Baseball (Existing)

USERS:	ACTIVITIES:		
Faculty	Competing (Athletics)		
Athletic Teams	Practicing (Athletics)		
Community			
DESIGN CONSIDERATIONS:			
	r fencing and 12'-0" high backstop fencing with 6'-0" foul ball		
screen set at 45 degrees or			
 Provide fencing for the "dug 			
	leachers, adjacency to football/track concession stand, ticket		
booth, restrooms			
FURNITURE, FIXTURES & EC			
Contractor Furnished – Contractor	ractor Installed		
Permanently installed apparatus/infrastructure			
Electrical stub outs from main facility for scoreboards			
Irrigation system for outfield, quick connects for infield			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Ins	Owner Furnished – Owner Installed		
None			

EVAN E. WORTHING HIGH SCHOOL

Site

Softball	S	0	ft	b	a	
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USERS:	ACTIVITIES:	
Students (PE)	Learning the fundamentals of softball (PE)	
Faculty	Competing	
Athletic Teams	Practicing	
Community		
DESIGN CONSIDERATIONS:		
Locate for ease of access f	or PE classes	
• Provide playing field for fas	t-pitched play	
 Provide 6'-0" high perimete 	r fencing and 12'-0" high backstop fencing with 6'-0" foul ball	
screen set at 45 degrees o	n top	
Provide fencing for the "dug	jout"	
Include in site plan space for	or future bleachers adjacent to football/track concession stand,	
ticket booth, restrooms		
FURNITURE, FIXTURES & EC		
Contractor Furnished – Cont	ractor Installed	
Permanently installed appa	ratus/infrastructure	
Electrical stub outs from main facility for scoreboard		
Irrigation system		
Owner Furnished – Contracto	or Installed	
None		
Owner Furnished – Owner In	stalled	
None		

Site

Playing/Practice	Fields	(Existing)
------------------	--------	------------

USERS:	ACTIVITIES:	
 Students (PE) 	PE Classes	
Faculty	Athletic practices	
Athletic Teams	•	
Community		
DESIGN CONSIDERATIONS:		
Provide playing and practic	e fields	
Each field to be approximation	tely 160' x 360'	
Fields should be relatively I	evel but sloped to drain without need of underground drainage	
Locate for ease of access f	or PE classes	
Irrigation system for outfield		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
None		

Site

General

USERS:	ACTIVITIES:		
Parents	Access to school and its facilities		
Students			
Community members			
Faculty/staff			
DESIGN CONSIDERATIONS:			
All exterior signage, fencing	, and railings should be included in design documents		
Site lighting			
Flagpole should be located	near the main entrance with a paved walkway to it		
 Bike racks should be locate 	•		
	: (i.e. trash cans, seating benches etc.) should be included in		
design documents			
FURNITURE, FIXTURES & EQ			
Contractor Furnished – Contractor	ractor 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 EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION



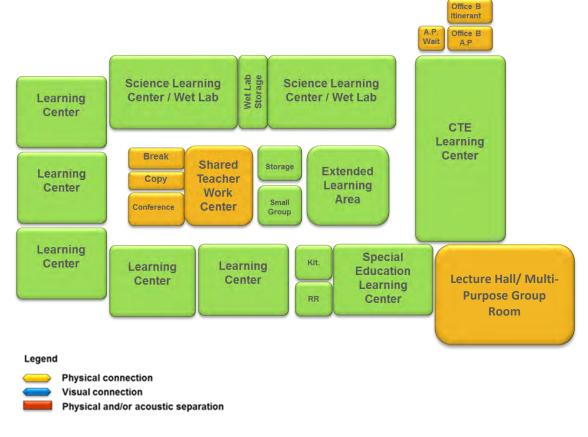
Neighborhoods

Overview:

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

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

Each neighborhood will include collaborative spaces for students and faculty, 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.



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

HOUSTON INDEPENDENT SCHOOL DISTRICT CONSTRUCTION AND FACILITY SERVICES: FACILITIES PLANNING – JUNE 12, 2014 www.houstonisd.org//Domain/7974

EVAN E. WORTHING HIGH SCHOOL

Space Requirements

		Required Spaces			
Neighborhoods	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided	
Learning Center	1	1	873	873	
Learning Center	1	1	784	784	
Learning Center	1	1	1,134	1,134	
Learning Center	1	1	759	759	
Learning Center	1	1	759	759	
Learning Center	1	1	766	766	
Learning Center	1	1	1,147	1,147	
Learning Center	1	1	781	781	
Learning Center	1	1	773	773	
Learning Center	1	1	880	880	
Learning Center	1	1	778	778	
Learning Center	1	1	757	757	
Learning Center	1	1	855	855	
Learning Center	1	1	881	881	
Learning Center	1	1	838	838	
Learning Center	1	1	954	954	
Learning Center	1	1	922	922	
Learning Center	1	1	815	815	
Learning Center	1	1	823	823	
Learning Center	1	1	889	889	
Learning Center	1	1	757	757	
Learning Center	1	1	851	851	
Learning Center	1	1	851	851	
Learning Center	1	1	851	851	
Learning Center	1	1	853	853	
Science Wet Lab	1	1	1,485	1,485	
Science Wet Lab	1	1	1,465	1,465	
Science Wet Lab	1	1	1,484	1,484	
Science Wet Lab	1	1	1,591	1,591	
Science Wet Lab	1	1	1,549	1,549	
Science Prep Room		1	404	404	
Science Prep Room		1	235	235	
Science Prep Room		1	194	194	

Science Prep Room		1	214	214
Chemical Storage		1	80	80
Chemical Storage		1	65	65
Chemical Storage		1	64	64
Chemical Storage		1	55	55
Flex Lab		1	1,129	1,129
Learning Commons/Extended Learning				
Learning Commons (2007 Addition)		1	2,812	2,812
Extended Learning (2007 Addition)		3	1,299	3,896
Extended Learning Areas (2012 Addition)		2	665	1,329
Workroom		1	182	182
AV Storage		1	95	95
Toilet Room (Learning Commons)		1	61	61
Lecture Hall		1	1,891	1,891
Special Education Learning Center	1	1	853	853
Special Education Learning Center	1	1	853	853
Special Education Learning Center	1	1	759	759
Special Education Learning Center	1	1	780	780
Kitchen/Restroom/Changing Room/Storage/Laundry		1	600	600
Special Education Job Training Center		1	532	532
Apollo Tutoring Rooms		1	953	953
Apollo Tutoring Rooms		1	418	418
Small Group Room		6	100	600
Computer Repair and Storage Room		1	850	850
Storage		1	1,000	1,000
Total	34			49,809

Neighborhoods Learning Center

 Teachers 24 - 30 Students Mastering the core curriculum Mastering 21st Century learning skills Project-based learning Technology - based instruction Activities that stimulate inventive thinking, creativity and imagination Collaborative relationship building Demonstrations Working individually, in small groups and in large groups DESIGN CONSIDERATIONS: Operable partitions are permitted in this area. FURNITURE, FIXTURES & EQUIPMENT: Contractor Furnished – Contractor Installed Blinds for windows Presentation Wall 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 Owner Furnished – Owner Installed Student Area: 28 Student tables 21 tal storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving 	USERS:	ACTIVITIES:		
 24 - 30 Students Mastering 21st Century learning skills Project-based learning Technology - based instruction Activities that stimulate inventive thinking, creativity and imagination Collaborative relationship building Demonstrations Working individually, in small groups and in large groups DESIGN CONSIDERATIONS: Operable partitions are permitted in this area. FURNITURE, FIXTURES & EQUIPMENT: Contractor Furnished – Contractor Installed Blinds for windows Presentation Wall 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 – Owner Installed • None Owner Furnished – Owner Installed • None Owner Furnished – Owner Installed • Za Student tables 28 Student tables 28 Student tables 21 storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving 		-		
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Technology - based instruction Activities that stimulate inventive thinking, creativity and imagination Collaborative relationship building Demonstrations Working individually, in small groups and in large groups DESIGN CONSIDERATIONS: Operable partitions are permitted in this area. FURNITURE, FIXTURES & EQUIPMENT: Contractor Furnished – Contractor Installed Blinds for windows Presentation Wall 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 Owner Furnished – Contractor Installed Resentation Cart Teacher stool Student Area: 28 Student tables 23 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving	• 24 - 30 Students			
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Contractor Furnished – Contractor Installed • Blinds for windows • Presentation Wall • 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 Owner Furnished - Owner Installed • None Owner Furnished - Owner Installed • Student Area: • 28 Student tables • 28 Student tables • 28 Student chairs • 2 tall storage cabinets with adjustable shelving • 3 bookcases (height may be dependent on window sill height), with adjustable shelving • Clock				
 Blinds for windows Presentation Wall 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 None Owner Furnished - Owner Installed Presentation Cart Teacher stool Student Area: 28 Student tables 28 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 				
 Presentation Wall 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 None Owner Furnished - Owner Installed Presentation Cart Teacher stool Student Area: 28 Student tables 28 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 		ctor installed		
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 1 – 8'x4' Marker Board Owner Furnished – Contractor Installed None Owner Furnished – Owner Installed Presentation Cart Teacher stool Student Area: 28 Student tables 28 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 		e an each side of C'ud' Marker Deard)		
Owner Furnished – Contractor Installed • None Owner Furnished – Owner Installed • Presentation Cart • Teacher stool • Student Area: • 28 Student tables • 28 Student chairs • 2 tall storage cabinets with adjustable shelving • 3 bookcases (height may be dependent on window sill height), with adjustable shelving • Clock		e on each side of 8 x4 Marker Board)		
 None Owner Furnished – Owner Installed Presentation Cart Teacher stool Student Area: 28 Student tables 28 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 				
Owner Furnished – Owner Installed • Presentation Cart • Teacher stool • Student Area: • 28 Student tables • 28 Student chairs • 2 tall storage cabinets with adjustable shelving • 3 bookcases (height may be dependent on window sill height), with adjustable shelving • Clock		Installed		
 Presentation Cart Teacher stool Student Area: 28 Student tables 28 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 				
 Teacher stool Student Area: 28 Student tables 28 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 		alled		
 Student Area: 28 Student tables 28 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 				
 28 Student tables 28 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 				
 28 Student chairs 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 				
 2 tall storage cabinets with adjustable shelving 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 				
 3 bookcases (height may be dependent on window sill height), with adjustable shelving Clock 				
Clock				
	Projector			

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 Collaborative relationship building Demonstrations 			
DESIGN CONSIDERATIONS				
Emergency utility shut-of				
Power and Data in apron				
One station in each lab to FURNITURE, FIXTURES & I	b be handicapped accessible			
Contractor Furnished – Contra				
Blinds for windows				
 Presentation Wall 				
 2 - flag holders and map 	hooks			
Adjacent or Rear Wall:	(one on each side of Q'v/' Marker Deard)			
 2 - 4 x4 Tack Boards 1 - 8'x4' Marker Boards 	s (one on each side of 8'x4' Marker Board)			
 Casework – Side wall: 				
	Sink cabinets and drawer/door cabinets			
 Drying racks above s 				
Door/shelf cabinets a				
 Safety station(s) (number blanket, fire extinguisher 	Safety station(s) (number determined by code) including eyewash, body drench shower, fire			
	Goggle cabinet with UV light for disinfecting			
 Fume hood in all of Learn 	ning Centers/Wet Labs at wall connecting with Prep Room			
	ation table with gas and water			
Owner Furnished – Contractor	r Installed			
Paper towel dispensers				
Soap dispensers Owner Furnished – Owner Installed				
 7 – 4-person tables with 29 adjustable height stoc 	 7 – 4-person tables with chemical resistant epoxy tops 20 adjustable beight steels 			
 29 adjustable neight stools 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) 				
Clock				
	art and other large wall charts (provide clear wall space and tack			
	boards to hang additional material)			
Water distiller system to make distilled water				
Projector				

Neighborhoods

Wet Lab Storage

USERS:	ACTIVITIES:
Teacher	Teacher preparation and clean-up for lab exercises
Staff/Faculty	
Students	
DESIGN CONSIDERATIONS:	
If more than one fume hood, lo	ocate to minimize the visual connection from one classroom to
another.	
FURNITURE, FIXTURES & EQUI	PMENT:
Contractor Furnished – Contrac	tor Installed
Refrigerator/freezer with small	ice maker, not self-defrosting so that temperature will be
constant	-
Casework on one wall with che	emical resistant countertop, drawer/door base cabinets, and
open shelf wall cabinets	
 Drying rack mounted above site 	nk
 Fire rated chemical storage ca 	
	ermanently attached sign stating: Thoroughly rinse all acid
containing items before placing	
Owner Furnished – Contractor I	nstalled
 Paper towel dispenser 	
 Soap dispenser 	
Owner Furnished – Owner Insta	lled
2 tall work stools	
• Maximum linear feet of 12"D, a	adjustable height wooden shelving with rim guards on wall
facing casework	
• 36"W x 84"H lockable storage	cabinet
Acid base storage cabinet, loc	kable

Neighborhoods

Flex Lab

USERS:	ACTIVITIES:
Teachers	Mastering the core curriculum
24-30 Students	Mastering 21st Century learning skills
	Project-based learning
	Technology-based instruction
	Activities that stimulate inventive thinking, creativity and
	imagination
	Collaborative relationship building
	Demonstrations
	Working individually, in small groups and in large groups
DESIGN CONSIDERATION	S:
None	
FURNITURE, FIXTURES &	EQUIPMENT:
Contractor Furnished – Co	ntractor Installed
Blinds for windows	
Presentation Wall	
• 2 - flag holders and map	o hooks
Adjacent or Rear Wall:	
,	s (one on each side of 8'x4' Marker Board)
 1 – 8'x4' Marker Boa 	
Owner Furnished – Contra	ctor Installed
None	
Owner Furnished – Owner	Installed
Presentation Cart	
Stool	
Student Area:	
 30 Student tables 	
 30 Student chairs 	
 3 computer tables, 3 	0"x60"
 2 tall storage cabinets with the storage cabinets with th	
	y be dependent on window sill height), with adjustable shelving
Clock	
Phone	
Projector	
, ,	

EVAN E. WORTHING HIGH SCHOOL

Neighborhoods

Learning Commons/Information Center

10550	
USERS:	ACTIVITIES:
Students	Learning hub to provide effective using of information and ideas for students and for the
Faculty	ideas for students and faculty
• Staff	Circulation of materials and resources in the format of print, disital and multi-media ata
Community members and parents for after school	digital and multi-media etc.
	Reading
events	Research Toobaology based instruction for large group and small
	 Technology based instruction for large group and small group
	group Provide meeting areas
DESIGN CONSIDERATIONS:	Processing new media
	e will be used in a centralized location for print materials. Some
	ded learning areas (ELA's) for wireless research.
FURNITURE, FIXTURES & EQ	
Contractor Furnished – Contr	
Blinds for windows	
 Display cases with glass sh 	elving for student artwork and other displays. If possible provide
	s may meet to avoid wasted space
Circulation desk (modular, r	
2 task chairs	
Drawer/door base cabir	nets & low shelving behind circulation desk with work space for
processing	
 Work station for compute 	ter terminals and printer. Provide grommets for wire
managements	
Multi-level check in/out	counter
 Book drop-off with depr 	essible book truck
Owner Furnished – Contracto	or Installed
None	
Owner Furnished – Owner Ins	
Soft seating: chairs and tak	bles for 10
Clock	
Projector	
	ks. Locate tall shelving on room perimeter. Shelf units to be no
	h 60-70"H (on perimeter only) and 42"H units. Perimeter units
	nated with electrical to provide for outlets in the toe space. 42"H
units should be double side	d and on large casters.
8 Tables	
6 computer tables	
Printer table	
38 chairs	and to programs and on line card satels -
Network capabilities for acc	ess to programs and on-line card catalog

Neighborhoods

Learning Commons/Information Center – Extended Learning Center

0	•
USERS:	ACTIVITIES:
Students	Reading
Faculty	Research
Staff	 Technology based instruction for large group and small
Community members	group
and parents for after	Provide meeting areas
school events	
DESIGN CONSIDERATIONS	
Some of the square footage	e for these spaces will be from the Learning
Commons/Information Cer	nter.
FURNITURE, FIXTURES & E	QUIPMENT:
Contractor Furnished – Con	tractor Installed
Continuous marker surface	e on one wall
 Blinds for windows 	
Owner Furnished – Contract	or Installed
None	
Owner Furnished – Owner Ir	nstalled
Tables	
Chairs	
Soft seating	
Clock	

EVAN E. WORTHING HIGH SCHOOL

Neighborhoods

Learning Commons/Information Center – Office/Storage

Leaning Commons/mit	Simation Center Chice/Clorage
USERS:	ACTIVITIES:
Media Specialist	Paper work
 Faculty 	Processing materials
Staff	Laminating
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EQ	UIPMENT:
Contractor Furnished –	ractor Installed
Blinds for windows	
Casework:	
 Maximum LF of cabinet 	ts on 2 walls, including sink cabinet, drawer/door cabinets and
wall-mounted door/she	If cabinets
 Center island with large 	e, shallow drawers for posters, drawer/door cabinets, and open
shelving	
 4'x4' marker board 	
 4'x4' tack board 	
Owner Furnished – Contracto	or Installed
 Paper towel dispenser 	
Soap dispenser	
Owner Furnished – Owner Ins	stalled
 2 Double pedestal desk with 	n center drawer & lock, 60" x 30"
 2 task chairs, swivel, tilt, arr 	nless
2 tall stools	
• 3 4-shelf bookcases, 60"h x	x 36"w x 12"d
• 2 4-drawer vertical files, lett	er size, lockable
Teacher wardrobe cabinet:	coat hook, shelving, 2 drawers, lockable
2 mobile book trucks	

Neighborhoods Special Education Learning Center

USERS:	ACTIVITIES:
 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	6:
Design Room and Furnitu	ire for adults
FURNITURE, FIXTURES & E	EQUIPMENT:
Contractor Furnished – Con	ntractor Installed
Blinds for windows	
Student Lift and Tracks	
 Presentation Wall 	
2 - flag holders and map	hooks
Adjacent or Rear Wall:	
	(one on each side of 8'x4' Marker Board)
• 1 – 8'x4' Marker Boa	rd
Owner Furnished – Contract	ctor Installed
None	
Owner Furnished – Owner	Installed
Teacher package	
Student Area	
• 7 open front 18"x24"	student desks
 18 student chairs 	
1 rectangular table, 3	0"x60"
3 computer tables, 30)"x48"
 1 half-moon table, 36)"x72"
• 2 - 18" seat height, 4 leg	chairs
2 tall storage cabinets wit	h adjustable shelving
3 bookcases (height may	be dependent on window sill height), with adjustable shelving
Shallow drawer cabinet (must accommodate 24" x 46" paper)
Clock	
Projector	

EVAN E. WORTHING HIGH SCHOOL

Neighborhoods Special Education – Restroom/Changing Room

USERS: ACTIVITIES:	
Students Personal hygiene	
Teacher Diapering	
Teacher Aide(s) Catheterization	
Staff Life skills activities (to	oth brushing, personal care, career
preparation, etc.)	
DESIGN CONSIDERATIONS:	
Make sure the flooring is slip resistant	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
Wall mounted storage cabinet for changing supplies n	ear changing table
Ceiling tracks for Student Lifts	
Mirror above sink in restroom	
Bars by the toilets	
Owner Furnished – Contractor Installed	
Paper towel dispenser	
Soap dispenser	
Toilet paper dispenser	
Owner Furnished – Owner Installed	
Adjustable height changing table	
Mobile student lift	

Neighborhoods Special Education – Kitchen/Storage

ACTIVITIES:
 Breakfast and lunch preparation
 Staging meals before serving
Cleaning equipment
ip resistant
QUIPMENT:
ractor Installed
cessible
le sinks and extra-long counter tops (preferably a double wide
nets
or Installed
stalled
D, adjustable shelving in storage

EVAN E. WORTHING HIGH SCHOOL

Neighborhoods Special Education Job Training Center

USE	ERS:	ACTIVITIES:
•	20 students	Project-based learning
•	Teacher	 Occupational therapy (OT)- dressing, getting to work
•	Teacher Aide(s)	 Job training center – (Stocking, bagging, janitorial tasks,
		hang and sort clothes)
	SIGN CONSIDERATIONS:	
		cation kitchen to create a small apartment or create a small studio
	apartment	
		shelving, shoe racks, and rods
	Make sure the flooring is sl	
	RNITURE, FIXTURES & EC	
	tractor Furnished – Cont	ractor Installed
	Blinds for windows	
	Refrigerator	
	Mirrors on wall	
	Student Lift and Tracks	
	Presentation Wall or Scree	
	2 flag holders and map hoc	KS
	Adjacent or Rear Wall:	as an apple side of 0/24/ Madyon Decord)
		ne on each side of 8'x4' Marker Board)
	• 1 – 8'x4' Marker Board	
	Phone Jack	
	AV connections	a la stalla d
	ner Furnished – Contracto	or installed
	None	séalla d
	ner Furnished – Owner Ins	STAILEO
	Teacher package	
	Student Area	udant daaka
	 20 open front 18"x24" st 20 student shairs 	
	• 20 student chairs	eo"
	 1 rectangular table, 30"> 2 computer tables, 20"> 	
	 3 computer tables, 30"x4 2 tall storage appliants with 	
	2 tall storage cabinets with	
	Shelving to practice stockin	
	Hanging rods to practice ha Projector	
	Clock	
	Washer and Dryer	
	Dining room Table with cha	irs
	Sofa	13
	Wall mounted Television	
	Phone	
	Bed	
-		

Neighborhoods

Small Group Room	
USERS:	ACTIVITIES:
TeachersStudents	 Group meetings and work Individual study Testing
DESIGN CONSIDERATIONS	
None	
FURNITURE, FIXTURES & E	QUIPMENT:
Contractor Furnished – Con	tractor Installed
 4'x8' marker board 4'x8' tack board 	
Owner Furnished – Contract	tor Installed
None	
Owner Furnished – Owner In	nstalled
6 person table6 chairs	

EVAN E. WORTHING HIGH SCHOOL

Neighborhoods

Apollo Tutoring Rooms

USERS:	
	ACTIVITIES:
Teachers	Mastering the core curriculum
 24 - 30 Students 	 Mastering 21st Century learning skills
	Project-based learning
	 Technology - based instruction
	Activities that stimulate inventive thinking, creativity and
	imagination
	Collaborative relationship building
	Demonstrations
	 Working individually, in small groups and in large groups
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EQU	IPMENT:
Contractor Furnished – Contrac	
Blinds for windows	
Presentation Wall	
 2 - flag holders and map hoo 	ks
 Adjacent or Rear Wall: 	
	e on each side of 8'x4' Marker Board)
 1 – 8'x4' Marker Board 	
Owner Furnished – Contractor	Installed
None	
Owner Furnished – Owner Insta	alled
 6 – 3 person tables 	
 18 - 25 chairs 	
 8 – 10 Stand Alone Partitions 	
 2 tall storage cabinets with ad 	liustable shelving
	dependent on window sill height), with adjustable shelving and
lockable	acpendent on window sin neight, with adjustable shelving and
Clock	
Phone	
Projector	

Neighborhoods

|--|

Oloruge		
USERS:	ACTIVITIES:	
Faculty	Storing instructional materials and supplies	
Teachers	 Securing and charging mobile computer cart(s) 	
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
4'x4' tack board		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Maximum LF of heavy-duty 18"D adjustable shelving		

IT Support

Overview:

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



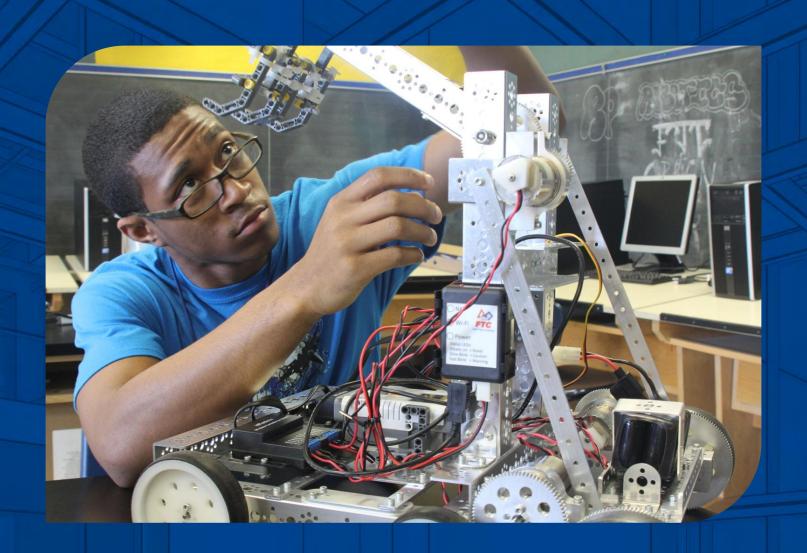
IT Support

Computer Repair and Storage

USERS:	ACTIVITIES:		
2 Computer Repair	Distributing computers		
Technicians	Receiving computers needing repair		
 2-4 Student Helpers 	Repairing computers		
3 IT Contractors	 Instructing students on the repair of computers 		
	Securely storing computers, bags and peripheral parts		
	(cables, batteries, etc.)		
	Conducting inventory		
DESIGN CONSIDERATIONS:			
Locate on first floor of multi-st			
Provide badge access at doorway into space			
 Provide surveillance cameras focused on entry to room as well as internal computer storage 			
This space should have no windows			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
 Voice, Power and Data outlets located along perimeter at bench height 			
	• 1-4'x8' Marker Board		
	1-4'x4' Tack Board		
Owner Furnished – Contractor	Installed		
None			
Owner Furnished – Owner Insta	alled		
12 Modular work benches			
6 task chairs			
1 bookcase (height may be dependent on window sill height), with adjustable shelving			
Modular reception desk			
Adjustable Shelving			
4 wire bin shelving to hold bin	4 wire bin shelving to hold bins similar to Quantum #QUS954B		

Antistatic mats





CAREER AND TECHNICAL EDUCATION



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



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:

Agriculture, Food, and Natural Resources – production, processing, marketing, distribution, financing and development of agricultural commodities and resources.

Business Management, Administration – planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

Health Science – planning, managing and providing therapeutic services, diagnostic services health informatics, support services and biotechnology research and development.

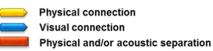
Hospitality and Tourism – Management, marketing and operation of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Information Technology – design, development, support, and management of hardware, software, multimedia and systems-integration 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

EVAN E. WORTHING HIGH SCHOOL

Space Requirements

	Required Spaces			
Career and Technical Education	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
CTE - IT: Computer Programming Lab	1	1	1,766	1,766
Storage		1	86	86
CTE - Computer Networking and Maintenance Lab	1	1	2,096	2,096
Storage		1	304	304
CTE - Hotel Management/Hospitality/Tourism Lab	1	1	1,400	1,400
Laundry		1	200	200
Dining & Banquet Room		1	1,200	1,200
Dry Storage		1	198	198
Catering Storage		1	200	200
CTE - Agriculture: Animal/Veterinary Sciences Lab	1	1	1,712	1,712
Storage		1	200	200
CTE - Health Science Learning Center	1	1	1,497	1,497
CTE - Health Science Learning Center	1	1	1,482	1,482
Prep Room		1	406	406
Chemical Storage		1	82	82
Total	6			12,829

Career and Technical Education – Information Technology

Information Technology Computer Programming Lab

USERS:	ACTIVITIES:			
Teachers	Project-based learning			
24-32 Students	 Technology-based instruction 			
	Demonstrations			
	Working individually, in small groups and in large groups			
DESIGN CONSIDERATIONS:				
None				
FURNITURE, FIXTURES & EQ	QUIPMENT:			
Contractor Furnished – Cont	tractor Installed			
Blinds for windows				
Presentation Wall	Presentation Wall			
• 2 - flag holders and map h	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 – Contract	or Installed			
None				
Owner Furnished – Owner In	stalled			
Presentation Cart				
Stool				
Student Area:				
30 -1 person computer tables				
30 task chairs				
 2 tall storage cabinets with adjustable shelving 				
-	3 bookcases (height may be dependent on window sill height), with adjustable shelving			
Clock				
Projector				

Career and Technical Education – Information Technology

Information Technology Programming Lab – Storage

USERS:	ACTIVITIES:	
Teacher	Storing materials	
Students	Storing research	
	Storing computers	
DESIGN CONSIDERATIONS:		
Access directly from Computer Programming lab		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Heavy duty adjustable shelving		
2- 4 drawer file cabinets		

Career and Technical Education – Information Technology

Computer Networking and Maintenance Lab

USERS:	ACTIVITIES:			
Teachers	Project-based learning			
24-32 Students	Technology-based instruction			
	Demonstrations			
	Working individually, in small groups and in large groups			
DESIGN CONSIDERATIONS				
None				
FURNITURE, FIXTURES & E	QUIPMENT:			
Contractor Furnished – Cor	ntractor Installed			
Blinds for windows				
Presentation Wall				
 2 - flag holders and map hooks 				
Adjacent or Rear Wall:				
• 2 - 4'x4' Tack Boards (on				
• 1 – 8'x4' Marker Board				
Owner Furnished – Contract	tor Installed			
None				
Owner Furnished – Owner I	nstalled			
Presentation Cart				
Stool				
Student Area:				
30 -1 person computer tables				
30 task chairs				
2 tall storage cabinets wit	h adjustable shelving			
3 bookcases (height may	be dependent on window sill height), with adjustable shelving			
Clock				
Projector				

EVAN E. WORTHING HIGH SCHOOL

Career and Technical Education – Information Technology: Computer Programming Computer Networking and Maintenance Lab – Storage

USERS:	ACTIVITIES:	
Teacher	Storing materials	
Students	Storing research	
	Storing computers	
DESIGN CONSIDERATIONS:		
Access directly from Computer Networking and Maintenance Lab		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Heavy duty adjustable shelving		
2- 4 drawer file cabinets		

Career and Technical Education – Agriculture

Veterinary Sciences Lab

USERS:	ACTIVITIES:	
Teachers A 22 Students	Mastering the curriculum	
24-32 Students	Mastering 21st Century learning skills	
	Project-based learning	
	Technology-based instruction	
	Demonstrations	
	Small Animal demonstrations and care	
	Working individually, in small groups and in large groups	
DESIGN CONSIDERATIONS		
Provide overhead power of	Irops	
Ventilate for smells		
	een space/outdoors for designation of a greenhouse	
FURNITURE, FIXTURES & E		
Contractor Furnished – Con	tractor Installed	
Deep sink for Welding		
 Blinds for windows 		
 Presentation Wall 		
2 - flag holders and map l	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 – Contract	tor Installed	
Paper towel dispense	ſ	
Soap dispenser		
Owner Furnished – Owner Ir	nstalled	
Presentation Cart		
Stool		
Student Area:		
 8-4 Student work tabl 	es	
30 - Student stools		
• 3 - computer tables, 30"x60"		
• 6 – Student chairs		
• 2 tall storage cabinets with	n adjustable shelving	
•	be dependent on window sill height), with adjustable shelving	
Clock		
Greenhouse (If FFE budge	et will allow)	
Projector	,	

EVAN E. WORTHING HIGH SCHOOL

Career and Technical Education – Agriculture

Veterinary Sciences Storage		
USERS:	ACTIVITIES:	
Teacher	Tool storage	
Students	Material storage	
	Animal Storage	
DESIGN CONSIDERATIONS:		
Provide direct access from Age	riculture Lab	
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
None	None	
Owner Furnished – Contractor Installed		
Paper towel dispenser		
Soap dispenser		
Owner Furnished – Owner Installed		
18"D, adjustable height shelving		
• 24" D, adjustable height shelving		
Pegboard on one wall		
• 36"W x 84"H lockable storage cabinet		

Career and Technical Education – Health Science

Health Science Learning Center

Health Science Lea	irning Center		
USERS:	ACTIVITIES:		
TeacherStaff/FacultyStudents	 Lecture, labs, computer work Technology-based instruction Chemical, physical and biological experimentation Collaborative relationship building Working individually, in small groups, and in large groups Mastering 21st Century learning skills Project-based learning Technology-based instruction Activities that stimulate inventive thinking, creativity and imagination Collaborative relationship building Demonstrations Working individually, in small groups and in large groups 		
DESIGN CONSIDERATIO			
 Emergency utility shu Power and Data in ap One station in each la 			
FURNITURE, FIXTURES			
Contractor Furnished –	Contractor Installed		
 Blinds for windows Presentation Wall 2 flag holders and n 			
Adjacent or Rear Wal	 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 cabinetsDrying racks above sinks			
 Door/shelf cabinets above sinks Safety station(s) (number determined by code) including eyewash, body drench shower Goggles cabinet with UV light for disinfecting 			
 Fume hood at wall connecting with Storage/Prep Room Fixed science demonstration table with gas and water 			
Hand washing sink	Hand washing sink		
Owner Furnished – Con			
2 paper towel dispensers			
 2 soap dispensers Owner Furnished – Own 	er Installed		
	with chemical resistant epoxy tops		
 29 adjustable height s 			
, ,	s with adjustable shelving		
	3 bookcases (height may be dependent on window sill height), with adjustable shelving		
Shallow drawer cabinClock	et (must accommodate 24" x 46" paper)		
 Large Periodic Table boards to hang addition Projector 	Chart and other large wall charts (provide clear wall space and tack onal material)		

EVAN E. WORTHING HIGH SCHOOL

Career and Technical Education – Health Science

Prep Room		
USERS:	ACTIVITIES:	
Teachers	Preparing for classwork and lab work	
Students		
DESIGN CONSIDERATIONS:		
Directly accessible from Lear	ning Center	
FURNITURE, FIXTURES & EQU	IPMENT:	
Contractor Furnished – Contractor Installed		
4'x 4' Tack Board		
• 10' Base and Overhead Cabinets with sink and chemically resistant countertop		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Adjustable 12" and 18" deep shelving		
Refrigerator		
Freezer – non self-defrosting		

Career and Technical Education – Health Science

Storage Room	
USERS:	ACTIVITIES:
Teacher	Teacher preparation and clean-up for lab exercises
Staff/Faculty	
Students	
DESIGN CONSIDERATIONS:	
Fume hood to be double side	
FURNITURE, FIXTURES & EQU	
Contractor Furnished – Contract	ctor Installed
•	l ice maker, not self-defrosting so that temperature will be
constant	
	emical resistant countertop, drawer/door base cabinets, and
open shelf wall cabinets	
 Drying rack mounted above si 	
 Fire rated chemical storage ca 	
	ermanently attached sign stating: Thoroughly rinse all acid
containing items before place	
Owner Furnished – Contractor	Installed
Paper towel dispenser	
Soap dispenser	
Owner Furnished – Owner Insta	alled
2 tall work stools	
	adjustable height wooden shelving with rim guards on wall
facing casework	

• 36"W x 84"H lockable storage cabinet

EVAN E. WORTHING HIGH SCHOOL

Career and Technical Education – Hospitality

Hospitality/Tourism Lab

USERS:	ACTIVITIES:		
Teachers	Project-based learning		
24-32 Students	Technology-based instruction		
	 Learning fundamentals of cooking and baking 		
	Applying food preparation techniques		
	Planning menus		
	Purchasing and receiving goods		
	Collaborative relationship building		
	Demonstrations		
	Working individually, in small groups and in large groups		
DESIGN CONSIDERATIONS:			
	d Service area of school for ease of deliveries, access to dining		
-	commons, laundry and changing room and possible collaboration on events/training.		
FURNITURE, FIXTURES & EQ			
Contractor Furnished – Contr	actor Installed		
	Presentation Wall		
2 - flag holders and map ho	poks		
Adjacent or Rear Wall:			
	one on each side of 8'x4' Marker Board)		
	 1 – 8'x4' Marker Board 		
Long Reception counter area (Modular)			
Owner Furnished – Contractor Installed			
Paper towel dispensers			
Soap dispensers			
Owner Furnished – Owner Ins	stalled		
Clock			
Projector			

Career and Technical Education – Hospitality Dry Storage

USERS:	ACTIVITIES:		
Teacher	Storing food		
Students	Storing supplies		
	Storing equipment		
DESIGN CONSIDERATIONS:			
Access directly from lab			
FURNITURE, FIXTURES & EC	FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed			
None			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
Heavy duty adjustable shelving			
Dunnage			
Locking knife storage			

EVAN E. WORTHING HIGH SCHOOL

Career and Technical Education – Hospitality

Dining & Banquet Room

USERS:	ACTIVITIES:		
Teacher	Direct group instruction		
Students	Banquets		
Faculty	Conferences		
Staff	Restaurant demonstrations		
Community			
DESIGN CONSIDERATIONS:			
	service corridor via two lockable swinging doors		
	a/soda) station just outside swinging doors		
	oors to locate bread/desserts warmers/coolers, condiment		
shelves, storage for trays a			
Direct access from public and			
Operable partition to divide Consider leastion for mask			
Consider location for mock food preparation FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contra			
 Presentation Walls (one each 			
 1 - 4'x4' Tack Board 	r side of divided room).		
 1 – 8'x4' Tack board 1 – 8'x4' Marker Board 			
 2 flag holders and map hook 	8		
Owner Furnished – Contractor			
None			
Owner Furnished – Owner Inst	alled		
8- Folding 10 person round t	ables with cart		
 12 – folding two student tabl 	es		
• 100- Folding chairs with cart			
2-2 sideboards for buffet ser	vice		
Presentation Cart			
Teacher stool			
2 clocks			
Refrigerated mobile salad bar			
Cold/hot mobile bar with storage underneath			
2 - Portable host stand			
 2 – Portable menu boards 			
 Portable stage 			
 POS station 			
Projector			

Career and Technical Education – Hospitality

Catering	Storage
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USERS:	ACTIVITIES:	
Teacher	Storing tables, chairs, linens, etc.	
Students		
DESIGN CONSIDERATIONS		
Access directly from Dining/	Banquet Room or from Service Corridor	
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Heavy duty adjustable shelving used for linen, plates, etc.		





JROTC



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



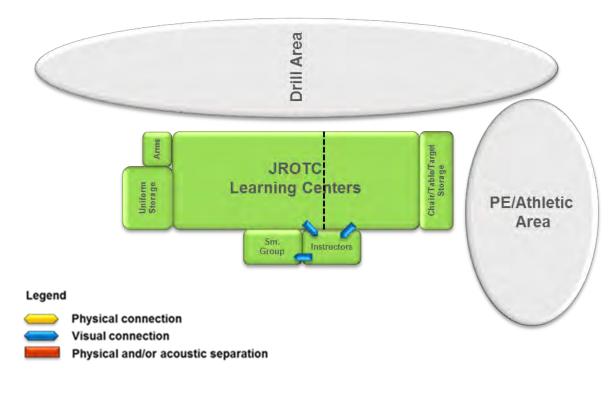
JROTC

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.

EVAN E. WORTHING HIGH SCHOOL

Space Requirements

	Required Spaces			
Junior ROTC	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
JROTC Learning Center - Large	1	1	1,149	1,149
JROTC Learning Center - Small	1	1	850	850
JROTC Small Group Collaboration		1	120	120
JROTC Instructors Center		1	165	165
JROTC Uniform/Drill Team/Color Guard Storage		1	320	320
JROTC Arms/Weapons Storage		1	58	58
JROTC Chair/Table/Target Storage		1	400	400
Tota	2			3,062

JROTC

Learning Center/Air Ri	fle Range
USERS:	ACTIVITIES:
StudentsTeachersVolunteers/Mentors	 Lecturing Instruction on marching, physical training, and gun drills. Practice for these activities will take place in the Gym and practice fields Watching videos Target practice
DESIGN CONSIDERATIONS	
be approximately eight fe serving as the Rifle Range	space with the partition fully open should be a minimum of 60 feet to
Permanently delineate eig finish/color/pattern.	by the shooting lanes through the use of variation in the floor hting is required at the target end of one of the Learning Centers.
FURNITURE, FIXTURES & E	
Contractor Furnished – Cor	tractor Installed
Blinds for windows	
	er of the space near the ceiling for trophy display.
Presentation Wall in each	•
• 2 flag holders and map ho	
	each half of Learning Center:
	(one on each side of 8'x4' Marker Board)
• 1 – 8'x4' Marker Boar Owner Furnished – Contrac	
None	
Owner Furnished – Owner I	nstalled
Classroom Performance S	
2 - Presentation Carts	
• 2 - Teacher stools	
 32 – 2-person tables with 64 stackable chairs 	tolding legs
 64 stackable chairs Targets and ammunition of 	patch havas
 4 – 4-drawer lockable filin 	
 4 - tall storage cabinets w 	•
	y be dependent on window sill height), with adjustable shelving

2 Clocks

EVAN E. WORTHING HIGH SCHOOL

JROTC

Cadet Small Group Collaboration

USERS:	ACTIVITIES:	
6-8 Cadets	Preparing reports	
Cadet Leadership	Research	
	Small Group Instruction	
DESIGN CONSIDERATIONS:		
 View to Learning Center ar 	nd Instructor Work Center	
FURNITURE, FIXTURES & EC	QUIPMENT:	
Contractor Furnished – Cont	ractor Installed	
4'x4' marker board		
4'x4' tack board		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
modular open office systems furniture with open over desk storage		
8 - Tilt swivel desk chairs on casters		
tall storage cabinet		
 bookcase 		

JROTC

	Instr	uctors	Center
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USERS:	ACTIVITIES:		
Instructional staff	Preparing program plans		
	Preparing reports		
	Teacher supply storage		
DESIGN CONSIDERATIONS:			
View to Learning Center ar	nd Cadet Small Group Collaboration		
If unable to be located adja	acent to PE area, add separate Restroom and Shower		
FURNITURE, FIXTURES & EC			
Contractor Furnished – Cont	ractor Installed		
• 4'x4' marker board			
 4'x4' tack board 	 4'x4' tack board 		
Sink and overhead casework			
Full size Refrigerator	Full size Refrigerator		
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
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 of	on casters		
• 3 – guest chairs			
bookcase			

Contraction of the second seco

HISD EDUCATIONAL SPECIFICATIONS

EVAN E. WORTHING HIGH SCHOOL

JROTC

Uniform/Drill Team/Color Guard Storage

USERS:	ACTIVITIES:	
Instructional Staff	Storing materials, uniforms and books used in JROTC	
Students	programs	
DESIGN CONSIDERATIONS:		
 Adjacent to JROTC Instruct 	tors Office Center with easy access to JROTC Learning Center	
Provide sufficient space for	three cadets to try on uniforms.	
FURNITURE, FIXTURES & EQ	UIPMENT:	
Contractor Furnished – Contra	actor Installed	
• 32 linear feet 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		
Owner Furnished – Owner Installed		
 Maximum linear feet of heavy duty adjustable shelving on one wall for shoe, cap, and 		
helmet storage	helmet storage	
 4 Lockable storage cabinets 		

JROTC

Arms/Weapons Storage

USERS:	ACTIVITIES:	
Instructional Staff	 Storing weapons, targets and ammunition used in JROTC instruction 	
DESIGN CONSIDERATIONS:		
Connected (preferred) or a	djacent to marksmen area of Learning Center	
FURNITURE, FIXTURES & EC	QUIPMENT:	
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Locking arms rack (approx	imately 2'x2' square) to store 55 weapons	
 Metal adjustable shelving for storage of ammunition, supplies, etc. 		

EVAN E. WORTHING HIGH SCHOOL

JROTC

Chair/Table/Target Storage

	-	
USERS:	ACTIVITIES:	
Instructional Staff	 Storing targets used in JROTC instruction 	
Students	Storing tables and chairs when Learning Centers are used	
	as rifle range.	
DESIGN CONSIDERATIONS:		
Connected to Marksmen a	rea of Learning Center	
FURNITURE, FIXTURES & EC	QUIPMENT:	
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Dolly for 64 chairs		
Dolly for 32 tables		
8 Targets (space requirements are similar to folding tables)		



UT BAYLOR HEALTH CLINIC



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITIES PLANNING



UT Baylor Health Clinic

Overview:

The Baylor College of Medicine (BCM) Teen Health Clinic at Worthing High School offers all students and others, when authorized by school officials, full service health care including prescriptions, primary care, family planning, STD testing, immunizations, sports medicine and social services. The clinic at Worthing is fully furnished by BCM Teen Health Clinic with all necessary furniture and medical equipment for the waiting area, offices, lab and exam rooms. The clinic is staffed by trained professionals from Baylor College of Medicine. The clinic environment is age appropriate and culturally sensitive to their patients.

EVAN E. WORTHING HIGH SCHOOL

Space Requirements

	Required Spaces			
UT Baylor Health Clinic	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Waiting/Reception Area		1	137	137
Office		2	125.5	251
Restroom		2	70	140
Private Exam Room		1	103	103
Private Exam Room		2	103	206
File/Copy Room		1	200	200
Lab		1	204	204
Pharmacy Storage		1	32	32
Interview Room		1	100	100
Total	0			1,373

UT Baylor Health Clinic

Reception/Waiting		
USERS:	ACTIVITIES:	
School nurse	Waiting area for visitors, students, and staff members	
Staff		
Students		
Parents		
Visitors		
DESIGN CONSIDERATIONS:		
Visual connection between	Nurses' Office and Waiting	
FURNITURE, FIXTURES & EQ	UIPMENT:	
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Reception desk (modular)		
4 guest chairs		
Literature racks		

EVAN E. WORTHING HIGH SCHOOL

UT Baylor Health Clinic

Lab			
USERS:	ACTIVITIES:		
Doctor/nurse	Conducting tests		
Staff	Storage		
•	Exam prep		
DESIGN CONSIDERATIONS:			
Visual connection between	Nurses' Office and Clinic		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contra	Contractor Furnished – Contractor Installed		
Blinds on all windows	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		
Owner Furnished – Owner Installed			
Adjustable height stool			
Locking refrigerator with ice maker			
Biohazard disposable can			
Medical sharps waste dispo	sal		
Defibrillator			

UT Baylor Health Clinic

Office

USERS:	ACTIVITIES:		
School nurse	Consultation by nurse with students, parents and staff		
Staff	 Record-keeping and paperwork 		
Students	Working with student health files		
Parents			
Visitors			
DESIGN CONSIDERATIONS:			
Visual connection between 0	Visual connection between Offices and Waiting		
*	FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed			
Blinds on windows	 Blinds on windows 		
• 4'x4' marker board			
4'x4' tack board			
Owner Furnished – Contractor	r Installed		
File cabinet			
Literature rack			
Owner Furnished – Owner Ins	talled		
Double pedestal desk with c	Double pedestal desk with center drawer & lock, 60" x 30"		
Credenza	Credenza		
Task chair	 Task chair 		
2 guest chairs			
• 4-shelf bookcases, 52"H x 3	6"W x 15"D		
4-drawer vertical file, letter size, lockable			

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EVAN E. WORTHING HIGH SCHOOL

UT Baylor Health Clinic

Restroom

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

UT Baylor Health Clinic

Records/File Room

USERS:	ACTIVITIES:		
 Doctor/nurse 	 Storing and retrieving student medical records 		
Staff			
DESIGN CONSIDERATIONS:			
Room should be treated as	a 1 hour fire-rated enclosure.		
FURNITURE, FIXTURES & EQ	UIPMENT:		
Contractor Furnished – Contractor Installed			
• 4'x4' marker board			
 4'x4' tack board 	 4'x4' tack board 		
 Maximum LF of heavy-duty, 	 Maximum LF of heavy-duty, adjustable, wall-mounted shelving above filing cabinets for 		
additional storage			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
• 24"x36" table	 24"x36" table 		
• 2-door lockable storage cab	inet		
Side chair			
• 10 - 5-drawer vertical file ca	binets		

EVAN E. WORTHING HIGH SCHOOL

UT Baylor Health Clinic Private Exam Room

USERS:	ACTIVITIES:					
Doctor/nurse	Treating ill or hurt students					
Staff	Conducting medical exams/screening					
Students	Dispensing medications					
Parents	Waiting area for ill students prior to being picked up					
DESIGN CONSIDERATIONS:						
Visual connection between Office and Clinic.						
FURNITURE, FIXTURES & EQUIPMENT:						
Contractor Furnished – Contr	actor Installed					
Blinds on all windows						
Sink cabinet with single deep sink						
4 LF of Drawer/door cabinets – lockable						
6 LF Door/shelf wall cabine	ts					
Owner Furnished – Contracto	or Installed					
Paper towel dispenser						
Soap dispenser						
Owner Furnished – Owner Ins	stalled					
Cot/exam table						
Adjustable height stool						
Biohazard disposable can						
Medical sharps waste disposal						
2 guest chairs						
Defibrillator						

UT Baylor Health Clinic

Interview Room

USERS:	ACTIVITIES:			
Staff	Interviewing Students			
Students	Small conference			
DESIGN CONSIDERATIONS:				
None				
FURNITURE, FIXTURES & EQUIPMENT:				
Contractor Furnished – Contractor Installed				
Blinds on windows				
Marker and tack board in cabinet				
Owner Furnished – Contractor Installed				
None				
Owner Furnished – Owner Installed				
Conference table for 4 people				
4 Swivel, tilt armchairs				





VISUAL ARTS



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION



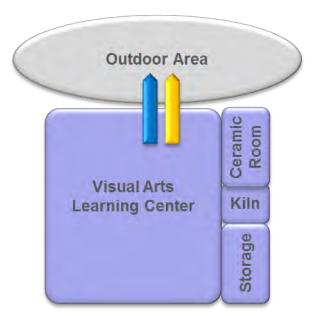
Visual Arts

Overview:

The arts are fundamental to communicating and understanding not only ourselves, but others. Through the arts we learn to appreciate and to create things of beauty. Important 21st Century skills enhanced by arts education include creativity, innovation, critical thinking, cooperative decision making, leadership, and capacity of problemposing 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

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.

EVAN E. WORTHING HIGH SCHOOL

Space Requirements

	Required Spaces			
Visual Arts	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Visual Arts Wet Lab	1	1	1,200	1,200
Kiln Room		1	93	93
Storage Room		1	249	249
Ceramics Room		1	200	200
Total	1			1,742

Visual Arts

Visual Arts Learning Center					
USERS:	ISERS: ACTIVITIES:				
TeachersStudents	 Creative individual and group activities Learning/researching art history/artist Discussions on Art criticism Learning/practicing drawing, painting, embossed prints, ceramics, sculptures, etc. 				
DESIGN CONSIDERATIONS					
Need area for arranging s	till life with track lighting.				
Northern exposure desira					
FURNITURE, FIXTURES & E					
Contractor Furnished – Con	tractor Installed				
Blinds for windows					
Presentation Wall Elag helders and man here					
 Flag holders and map hoc Adjacent or Rear Wall: 	JK5				
 Adjacent or Rear Wall: 8' marker board with 	tack strip				
 a marker board with 4' tack boards 					
	 Casework – Side wall: Sink cabinet – with sink projecting from front edge of casework to allow access from 3 sides 				
Door/shelf cabinets above	Door/shelf cabinets above sink				
Shelving above marker bo	 Shelving above marker boards and windows for project display 				
1 wall with continuous tac					
Owner Furnished – Contrac	tor Installed				
Paper towel dispenser					
Soap dispenser Owner Furnished – Owner I	nstalled				
	ble, 30"x60", adjustable height, with chemical resistant top				
Tall teacher stool					
Student Area:					
24 student adjustable	24 student adjustable height stools				
• 7 art tables, 42"x60",	• 7 art tables, 42"x60", with chemical resistant tops (1 to be used for still life set-up)				
• 4 computer tables, 30"x60"					
Projector	Projector				
 2 tall storage cabinets with 	n adjustable shelving				
Portfolio cabinets					
Double-sided mobile dryin 2 mobile paper reaks	ід гаск				
 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)				

• Shallow drawer cabinet (must accommodate 24" x 46" paper)

Visual Arts

Kiln	Room	

USERS:	ACTIVITIES:		
Art teacher	Storing greenware.		
	Firing items in kiln.		
DESIGN CONSIDERATIONS:	DESIGN CONSIDERATIONS:		
Electric connections to support 2 kilns			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
• Kiln			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
Greenware cabinet with doors			

Visual Arts

Storage Room			
USERS:	ACTIVITIES:		
Art teacher	Storing and maintaining art supplies.		
DESIGN CONSIDERATIONS	:		
None			
FURNITURE, FIXTURES & E	QUIPMENT:		
Contractor Furnished – Contractor Installed			
None			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner I	nstalled		
 Maximum LF of heavy-duty, adjustable height shelving – 50% 18" d, 25% 24" d, 25% 12" d. 3-shelf mobile cart with recessed top well for moving supplies between Art Storage and Visual Arte Learning Center. 			

Visual Arts Learning Center

Visual Arts

Ceramics Room

USERS:	ACTIVITIES:	
Art teacher	Creating Ceramic Arts	
Students	Dust/ dirt collection	
DESIGN CONSIDERATIONS		
Drains in the floor for wash	ning walls and equipment	
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
Electric for at least 4 potter's wheels		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Wheels		



PERFORMING ARTS



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION

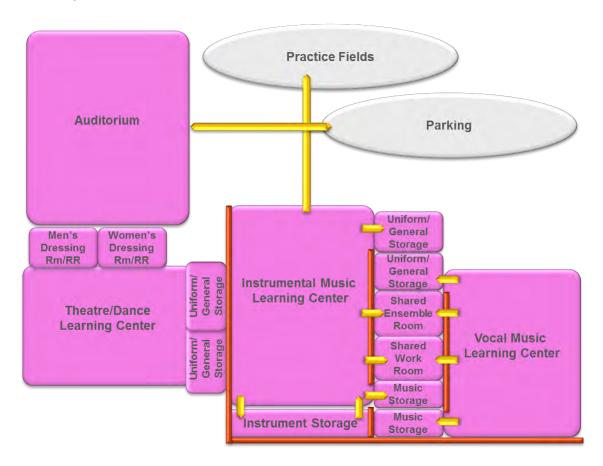


Performing Arts

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

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

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



Legend

Physical connection
 Visual connection

Physical and/or acoustic separation

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

HISD EDUCATIONAL SPECIFICATIONS

EVAN E. WORTHING HIGH SCHOOL

Space Requirements

	Required Spaces			
Performing Arts	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Instrumental Music Learning Center	1	1	1,729	1,729
Instrument Storage		1	370	370
Uniform/General Storage		1	261	261
Music Storage/Library		1	125	125
Vocal Music Learning Center	1	1	1,101	1,101
Uniform/General Storage		1	216	216
Music Storage/Library		1	101	101
Dance/Theater Learning Center	1	1	1,006	1,006
Auditorium (Existing)		1	7,075	7,075
Stage		1	1,560	1,560
Control Room		1	81	81
Prop Storage		1	500	500
Costume Storage		1	368	368
Dressing Room with Restroom		1	493	493
Dressing Room with Restroom		1	493	493
Shared Workroom/Office		1	235	235
Shared Ensemble Room		1	345	345
Shared Practice Room		2	54	108
Shared Practice Room		1	54	54
Shared Practice Room		1	54	54
Total	3			16,275

Performing Arts Instrumental Music Learning Center

USERS:	ACTIVITIES:			
 Instrumental Music Instructors/Director(s) Students 	 Developing technical music skills through individual work, group work and performances Instrumental music theory instruction Orchestra Classes Recitals Meeting area for community Recording of performances Sectional usage 			
DESIGN CONSIDERATIONS	S:			
	transporting piano, drums, etc.			
 Provide acoustical treatment 				
	tire music suite and the walls of the instructional spaces shall be			
	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			
 2 - 4'x4' tack boards 				
Owner Furnished – Contrac	ctor Installed			
None				
Owner Furnished – Owner	Installed			
60 posture chairs with ret	ractable tablet arms			
60 music stands				
Music stand cart				
Instrumental music risers				
	Conductor's podium: double podium with rail			
Music folio cabinets TV//Computer Maniter				
 TV/Computer Monitor Upright Piano 				
 Upright Plano Projector and screen 				

EVAN E. WORTHING HIGH SCHOOL

Performing Arts

Instrumental Music Learning Center – Instrument Storage

	0	6	
USERS:	ACTIVITIES:		
Instrumental Music	 Storing and 	d retrieving orchestra instruments	
Instructors/Director(s)	1		
Students			
DESIGN CONSIDERATIONS:			
 Size opening to allow for tra 			
		d the walls of the instructional spaces shall be	
min. STC-60. Other walls within the suite shall be min. STC-45.			
	 Sound-rated door should share the same rating as the walls. 		
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
• 4'x4' marker board			
 4'x4' tack board 			
 Maximum # of instrument storage cabinets, lockable, solid doors 			
Deep utility sink for cleaning instruments			
Owner Furnished – Contractor Installed			
None	• None		
Owner Furnished – Owner Ins	stalled		
None			

Average Distribution of Band Instruments (Wenger)

Average Distribution of Orchestra Instruments (Wenger)

Instrument	Percent	Instrument	Percent
Piccolo	1%	Violin	25%
Oboe	3%	Viola	19%
Flute	12%	Cello	14%
Clarinet	24%	Double Bass	8%
Alto Clarinet	3%	Flute	3%
Bass Clarinet	3%	Clarinet	3%
Bassoon	4%	Trumpet	6%
Alto Sax	5%	Trombone	4%
Tenor Sax	1%	Tuba	1%
Baritone Sax	1%	French Horn	11%
Cornet/Trumpet	14%	Oboe	3%
French Horn	6%	Bassoon	3%
Baritone Horn	4%		100%
Trombone	6%		
Tuba	4%		
Snare Drum	6%		
Tenor Drum	2%		
Base Drum	1%		
	100%		

Performing Arts

Instrumental Music Learning Center – Uniform/General Storage

	6		
USERS:	ACTIVITIES:		
Instrumental Music	Storing and retrieving uniforms		
Directors			
Students			
DESIGN CONSIDERATIONS:			
 Perimeter walls of the entire 	e music suite and the walls of the instructional spaces shall be min.		
STC-60. Other walls within	the suite shall be min. STC-45.		
	are the same rating as the walls.		
FURNITURE, FIXTURES & EQ	UIPMENT:		
Contractor Furnished – Contr	actor Installed		
 4'x4' marker board 	4'x4' marker board		
 4'x4' tack board 			
 Maximum LF of double hanging rods with shelving above 			
Owner Furnished – Contractor Installed			
Soap dispenser			
Paper towel dispenser			
Owner Furnished – Owner Installed			
Large sink for cleaning instruments			

EVAN E. WORTHING HIGH SCHOOL

Performing Arts

Instrumental Music Learning Center – Music Storage/Library

USERS:	ACTIVITIES:			
Instrumental Music	Storing and sorting music			
Directors				
Students				
DESIGN CONSIDERATIONS:				
Perimeter walls of the entire	music suite and the walls of the instructional spaces shall be			
	hin the suite shall be min. STC-45.			
	are the same rating as the walls.			
FURNITURE, FIXTURES & EQU				
Contractor Furnished – Contra	ictor Installed			
 4'x4' marker board 	4'x4' marker board			
 4'x4' tack board 	 4'x4' tack board 			
Owner Furnished – Contractor	Installed			
None				
Owner Furnished – Owner Inst	alled			
 Music sorting cabinet 				
Music storage cabinets				
24"x36" table				
2 chairs				
Sliding shelves				
Wall storage instead of filing	cabinets			

Performing Arts

Vocal Music Learning Center

¥				
USERS:	ACTIVITIES:			
Vocal Music	Developing technical music skills through individual work,			
Instructors/Director(s)	group work and performances			
Students	Choir/Vocal Classes			
	Recitals			
	Meeting area for community			
	Recording of performances			
	Vocal music theory instruction			
	Sectional usage			
DESIGN CONSIDERATIONS:				
Provide acoustical treatment	S.			
• Perimeter walls of the entire	music suite and the walls of the instructional spaces shall be min.			
STC-60. Other walls within the	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 & EQU	FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contra	Contractor Furnished – Contractor Installed			
 Provide maximum LF of shelving above door height for display 				
Provide 2 marker boards, one with permanent music staff markings.				
 Sound system – playback and record 				
 2 - 4'x4' tack boards 				
Owner Furnished – Contractor Installed				
Paper towel dispenser				
Soap dispenser				
Owner Furnished – Owner Installed				
50 posture chairs with retract	 50 posture chairs with retractable tablet arms 			
Seated music risers				
2 music folio cabinets				
Upright piano				

Performing Arts

Vocal Music Learning Center – Uniform/General Storage

•	0	
USERS:	ACTIVITIES:	
Vocal Music Directors	Storing and retrieving uniforms.	
Students		
DESIGN CONSIDERATIONS:		
 Perimeter walls of the entire 	e music suite and the walls of the instructional spaces shall be	
min. STC-60. Other walls w	ithin the suite shall be min. STC-45.	
 Sound-rated door should should	are the same rating as the walls.	
FURNITURE, FIXTURES & EQ	UIPMENT:	
Contractor Furnished – Contractor Installed		
• 4'x4' marker board		
4'x4' tack board		
 Maximum LF of double hanging rods with shelving above 		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
None		

Control of the second s

Performing Arts

Vocal Music Learning Center – Music Storage/Library

Voodi Maolo Loaming C	
USERS:	ACTIVITIES:
Vocal Music Directors	Storing and sorting music.
Students	
DESIGN CONSIDERATIONS:	
Perimeter walls of the entire	music suite and the walls of the instructional spaces shall be min.
STC-60. Other walls within t	the suite shall be min. STC-45.
 Sound-rated door should sh 	are the same rating as the walls.
FURNITURE, FIXTURES & EQ	UIPMENT:
Contractor Furnished – Contr	actor Installed
4'x4' marker board	
 4'x4' tack board 	
Owner Furnished – Contracto	r Installed
None	
Owner Furnished – Owner Ins	talled
Music sorting cabinet	
 Music storage cabinet(s) 	
• 24"x36" table	
2 chairs	

Performing Arts

Shared Workroom

USERS:	ACTIVITIES:	
Instrumental Music/ Vocal	Planning and sorting music for classes	
Music Directors	Grading	
Students	Meeting with students	
DESIGN CONSIDERATIONS:		
Perimeter walls of the entire	music suite and the walls of the instructional spaces shall be	
min. STC-60. Other walls wit	hin the suite shall be min. STC-45.	
 Sound-rated door should sha 	re the same rating as the walls.	
Provide visual connection to	Learning Centers	
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
4'x4' marker board		
4'x4' tack board		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Double pedestal desks with center drawer & lock, 60" x 30"		
• Task chairs, swivel, tilt, armless		
Guest chairs		
• 4-shelf bookcase. 52"H x 36"	• 4-shelf bookcase, 52"H x 36"W x 15"D	
	4-drawer vertical file, letter size, lockable	

Performing Arts

Shared Ensemble Room

USERS:	ACTIVITIES:		
Instrumental Music/Vocal	Group rehearsals and lessons		
Music Directors	Sectionals		
Students			
DESIGN CONSIDERATIONS:			
Provide acoustical treatments	6		
Perimeter walls of the entire r	nusic suite and the walls of the instructional spaces shall be min.		
STC-60. Other walls within th	e suite shall be min. STC-45.		
Sound-rated door should sha	re the same rating as the walls.		
Sound system – playback	·		
Consider multiple outlets			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contract	Contractor Furnished – Contractor Installed		
None			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
15 – 20 stackable posture chairs			
1 conductor's chair, music stand, podium			
Upright piano			

EVAN E. WORTHING HIGH SCHOOL

Performing Arts

Dance/Theater Arts Learning Center

	5	
USERS:	ACTIVITIES:	
Dance/Theater Directors	 Dance and Drill Team practice and performances 	
Students	Learning theater	
	Oratory practice	
	Learning plays	
DESIGN CONSIDERATIONS:		
Locate close to auditorium.		
FURNITURE, FIXTURES & EC	UIPMENT:	
Contractor Furnished – Contractor	ractor Installed	
Acoustical treatment		
Wood dance floor		
Mirrors		
Ballet Barre		
4'x4' marker board		
4'x4' tack board		
Curtain to cover mirrors		
Owner Furnished – Contracto	or Installed	
None		
Owner Furnished – Owner Ins	stalled	
Stackable chairs		
Sound system		
· · · · · · · · · · · · · · · · · · ·		

Performing Arts

Dance Learning Center – Storage		
USERS:	ACTIVITIES:	
Dance/Drill Team	Storing equipment.	
Directors	Storing uniforms.	
Students		
DESIGN CONSIDERATIONS:		
	e music suite and the walls of the instructional spaces shall be min.	
	the suite shall be min. STC-45.	
Sound-rated door should sh	are the same rating as the walls.	
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contr	actor 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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HISD EDUCATIONAL SPECIFICATIONS

EVAN E. WORTHING HIGH SCHOOL

Performing Arts

Auditorium

USERS:	ACTIVITIES:
 Students Teachers Parents Community members 	 Performances (school play, choir, orchestra, dance, etc) Assemblies Graduation Seminars Meetings Other Community Events Seating for audiences attending drama, theater and musical productions
DESIGN CONSIDERATIONS	3:
None	
FURNITURE, FIXTURES &	
Contractor Furnished – Co	ntractor Installed
	t arms or back mounted flip-up writing surfaces
Owner Furnished – Contract	ctor Installed
None	
Owner Furnished – Owner	Installed
None	

Performing Arts

Auditorium – Coi	ntrol	Room
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USERS:	ACTIVITIES:	
Teacher	Control of lighting and sound systems,	
Students	Controlling and creating of special effects	
	Recording, taping and editing of performances	
DESIGN CONSIDERATION	IS:	
None		
FURNITURE, FIXTURES &	EQUIPMENT:	
Contractor Furnished – Co	ontractor Installed	
• 4'x4' marker board		
4'x4' tack board		
Owner Furnished – Contra	actor Installed	
None		
Owner Furnished – Owner	· Installed	
Chairs		
• 30'x60" tables		
Tall lockable 2-door storage cabinets		

Performing Arts

Auditorium – Stage

USERS:	ACTIVITIES:
TeacherStudentsGuests/Community	 Instrumental, choral and drama presentations by groups and individuals Dance and other physical activity presentations Public and school meetings requiring interaction between those on stage and those seated in the Auditorium Video presentation May be used as a classroom by the drama program Award ceremonies
	Assemblies
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EC	QUIPMENT:
Contractor Furnished – Cont	ractor Installed
Motorized projection scree	n
• Curtains at front, sides and	back of stage. Back and side curtains to be black.
	back of stage for potential use as a Dance Room
Owner Furnished – Contract	or Installed
None	
Owner Furnished – Owner In	stalled
None	

Performing Arts

Auditorium – Costume Storage		
USERS:	ACTIVITIES:	
Students	Building and painting scenery and props	
Teachers	 Set construction, paint and assembly using tools 	
	 Storing and retrieving props and costumes 	
	Creating props and costumes	
DESIGN CONSIDERATIONS		
None		
FURNITURE, FIXTURES & E	QUIPMENT:	
Contractor Furnished – Con	tractor Installed	
4'x4' tack board		
• 4'x4' marker board		
8'x8' pegboard		
Owner Furnished – Contractor Installed		
Paper towel dispenser		
Soap dispenser		
Owner Furnished – Owner Installed		
12 LF work bench		
Lockable tool cabinet		
Lockable storage cabinets with adjustable shelving		

Performing Arts

Auditorium – Prop Sto	rage	
USERS:	ACTIVITIES:	
Students	Storing and retrieving props and costumes	
Teachers		
DESIGN CONSIDERATIONS		
None		
FURNITURE, FIXTURES & E	QUIPMENT:	
Contractor Furnished – Contractor Installed		
• Maximum LF of heavy-duty adjustable shelving above rods on 3 walls (2/3 of rods double, 1/3 of rods single)		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Table		
Chair	Chair	
Maximum LF of heavy-duty adjustable shelving on walls beside door		

Performing Arts

Auditorium – Dressing Room	
USERS:	ACTIVITIES:
Students	Changing into costumes
	 Applying makeup for performances
	Performance preparation
DESIGN CONSIDERATIONS	
None	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
Makeup counter continuous on one wall	
Mirrors above makeup counter	
Full length mirrors	
3-tier locker units	
12 LF of hanging rod	
Owner Furnished – Contractor Installed	
Paper towel dispenser	
Soap dispenser	
Owner Furnished – Owner Installed	
Chairs	





PHYSICAL EDUCATION/ATHLETICS



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION



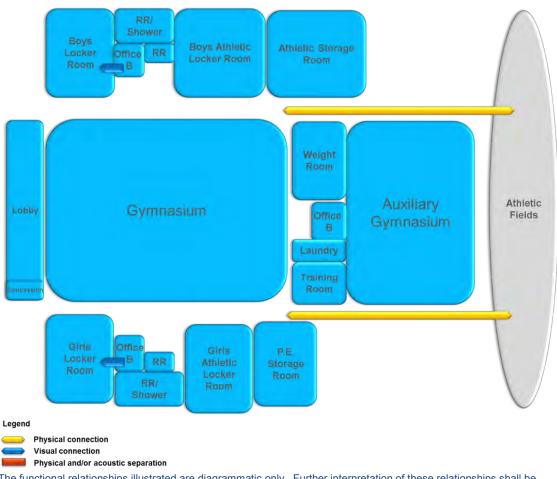
Physical Education/Athletics

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.



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

HOUSTON INDEPENDENT SCHOOL DISTRICT CONSTRUCTION AND FACILITY SERVICES: FACILITIES PLANNING – JUNE 12, 2014 www.houstonisd.org//Domain/7974

Space Requirements

	Required Spaces			
Physical Education/Athletics	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
PE/Athletics Lobby (Consider a Concessions Area/Stand)		1	800	800
Concession		1	250	250
Gymnasium (seating for 800 Students)	2	1	10,487	10,487
Auxiliary Gymnasium (seating for 1/3 of program capacity of school)	1	1	8,013	8,013
Meeting Room/ Lecture Space (retractable Tiered Seating)		1	1,000	1,000
Weight Room		1	1,100	1,100
Boys' Athletic Locker Room		1	1,205	1,205
Girls' Athletic Locker Room		1	852	852
Boys' PE Locker Room		1	600	600
Girls' PE Locker Room		1	601	601
Boys' Toilets/Showers		1	320	320
Girls' Toilets/Showers		1	320	320
Adult Toilet/Shower/Locker		1	124	124
Adult Toilet/Shower/Locker		1	124	124
Athletic Director (Office C)		1	174	174
Office (shared)		1	250	250
Office (shared)		1	252	252
Storage/ Future Training Room		1	400	400
Laundry		1	154	154
PE Equipment Storage		1	400	400
Athletic Equipment Storage		1	749	749
Total	3			28,175

Physical Education/Athletics

Lobby

USERS:	ACTIVITIES:
 Parents Students Community members Faculty/staff 	 Transition/surge space for events held in Gymnasium Entering and exiting of events held in Gymnasium Event attendee overflow Small sitting area Greeting of attendees for events held in the Gymnasium
DESIGN CONSIDERATIONS	8:
 Consider shared lobby if applicable with floor plan. Consider including concession area/stand in lobby FURNITURE, FIXTURES & EQUIPMENT: 	
Contractor Furnished – Contractor Installed	
None	
Owner Furnished – Contractor Installed	
None	
Owner Furnished – Owner Installed	
BenchesWall mounted video display panels	

P.E./Athletics

Gymnasium

USERS:	ACTIVITIES:
 PE Teachers/Coaches Students Parents Community Groups Staff Sports teams 	 Physical education classes and activities Athletic competitions Sports: basketball, volleyball, gymnastics, cheerleading, drill team, wresting, badminton Fitness/health presentations School assemblies Performances Graduation Community sports activities/events
DESIGN CONSIDERATIONS:	· ·
	ndows from damage by ball strikes ic treatments must be capable of sustaining repeated ball strikes QUIPMENT:
Contractor Furnished – Cont	tractor Installed
 2 glass motorized, height adjustable, retractable backboards 4 fiberglass motorized, height adjustable, retractable backboards Telescoping bleachers to seat number indicated in space requirements. Provide separation between spectators and playing court with railings. Volleyball system to include poles and recessed floor sleeves Floor markings for basketball and volleyball Continuous wall pads on end walls Motorized curtain to divide gym into 2 teaching areas Scoreboard/clock Sound system 	
Owner Furnished – Contract	or Installed
None	
Owner Furnished – Owner In	stalled
• 2 - 30"x60" folding tables	
6 Chairs	

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P.E./Athletics

Auxiliary Gymnasium

USERS:	ACTIVITIES:	
PE Teachers/Coaches	Physical education classes and activities	
Students	Athletic competitions	
Parents	• Sports: basketball, volleyball, gymnastics, cheerleading, drill	
Community	team, wrestling, badminton	
	Fitness/health presentations	
	School assemblies	
	Performances	
	Graduation	
	Community sports activities/events	
DESIGN CONSIDERATIONS		
	ndows from damage by ball strikes	
Wall finish and any acoustic treatments must be capable of sustaining repeated ball strikes		
FURNITURE, FIXTURES & E		
	Contractor Furnished – Contractor Installed	
2 glass, motorized, height adjustable, retractable backboards		
	 Telescoping bleachers to seat number indicated in space requirements 	
	i loor manango lor baono ban ana vono juan	
Continuous wall pads on end walls		
Motorized curtain to divide gym into 2 teaching areas		
Scoreboard/clock		
 Individual sound system Owner Furnished – Contract 		
	or installed	
None Owner Furnished – Owner Ir	actallad	
	เรเดแยน	
• 2 - 30"x60" folding tables		
6 Chairs		

P.E./Athletics

Weight/Fitness Room

<u> </u>	
USERS:	ACTIVITIES:
Coaches	Physical education classes
Teachers	Weight training for students and staff
20-32 students	Potential for community use
DESIGN CONSIDERATIONS:	
Provide interlocking rubber tile floor over VCT or concrete floor (polished or stained)	
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	
Owner Furnished – Owner Installed	
Weight equipment and machines	

P.E./Athletics

USERS:	ACTIVITIES:		
PE Teachers	Changing clothes before and after athletic activities		
Coaches	Storing personal items during classes, practices or competitions		
Students			
DESIGN CONSIDERA	TIONS:		
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).			
FURNITURE, FIXTURE	ES & EQUIPMENT:		
Contractor Furnished	- Contractor Installed		
100 large lockers (f	100 large lockers (football)		
50 double lockers	50 double lockers		
Benches	Benches		
• 4'x4' marker board			
 4'x4' tack board 	 4'x4' tack board 		
Mirrors			
Owner Furnished – Co	ontractor Installed		
Paper towel dispenser			
Sanitizer dispenser			
Owner Furnished – Owner Installed			
None			

EVAN E. WORTHING HIGH SCHOOL

P.E./Athletics

Girls Athletic Locker Room

USERS:	ACTIVITIES:		
PE Teachers	Changing clothes before and after athletic activities		
Coaches	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).			
FURNITURE, FIXTURES & EQUIPMENT:			
Contractor Furnished – Contractor Installed			
50 number of lockers			
Benches	Benches		
 4'x4' marker board 	• 4'x4' marker board		
 4'x4' tack board 			
Mirrors			
Owner Furnished – Contractor Installed			
Paper towel dispenser			
Sanitizer dispenser			
Owner Furnished – Owner Installed			
None			

P.E./Athletics

Boys/Girls P.E. Locker Room

USERS:	ACTIVITIES:	
PE Teachers	Changing clothes	
Coaches	 Storing personal items during classes, practices or 	
Students	competitions	
DESIGN CONSIDERATIONS:		
Design for air flow that will r	maintain consistent temperature and humidity level	
Provide clear view for passi	ve supervision (no tall lockers blocking line of sight)	
FURNITURE, FIXTURES & EQ	UIPMENT:	
Contractor Furnished – Contr	actor Installed	
• 200 number of 6:1lockers		
Benches		
4'x4' marker board		
 4'x4' tack board 		
Mirrors		
Owner Furnished – Contracto	or Installed	
Paper towel dispenser		
Sanitizer dispenser		
Owner Furnished – Owner Installed		
None		

P.E./Athletics

Student Toilet/Showers

USERS:	ACTIVITIES:	
Students	Restroom and bathing	
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
Mirrors		
Owner Furnished – Contractor Installed		
Paper towel dispensers		
Soap dispensers		
Owner Furnished – Owner Installed		
Shower curtains		

P.E./Athletics

Adult ⁻	Toilet/Shower/Locker	
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USERS:	ACTIVITIES:		
Coaches/Teachers	Restroom and bathing		
DESIGN CONSIDERATIONS:			
None			
FURNITURE, FIXTURES & EQ	FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contr	actor Installed		
Mirrors			
2 high lockers			
Owner Furnished – Contractor Installed			
Paper towel dispenser			
 Soap dispenser 			
Owner Furnished – Owner Installed			
Shower curtain			

P.E./Athletics

Office B

USERS:	ACTIVITIES:					
Athletic Director and/or	• Space for Athletic Director, coach and/or teachers to perform					
Coaches	administrative tasks					
Students	Secure storage for electronic equipment					
	 Area for filing of athletic program documents 					
DESIGN CONSIDERATIONS:						
None						
FURNITURE, FIXTURES & EQ	UIPMENT:					
Contractor Furnished – Contr	actor Installed					
Blinds on windows						
 4'x4' marker board 						
 4'x4' tack board 						
Owner Furnished – Contracto	r Installed					
None						
Owner Furnished – Owner Ins	talled					
Double pedestal desk with c	enter drawer & lock, 60" x 30"					
Credenza						
Task chair						
2 Guest chairs						
36" conference table						
• 2 4-shelf bookcases, 52"H x	36"W x 15"D					
2 4-drawer vertical file, letter	size, lockable					

P.E./Athletics

Office (Shared)		
USERS:	ACTIVITIES:	
Coaches/TeachersStudents	 Coach and teacher administrative tasks Changing clothes before and after physical education activities Storing personal items 	
DESIGN CONSIDERATIONS		
None		
FURNITURE, FIXTURES & E		
Contractor Furnished – Con	tractor Installed	
 4'x4' marker board 		
4'x4' tack board		
Owner Furnished – Contract	tor Installed	
None		
Owner Furnished – Owner I	nstalled	
Double pedestal desk with	n center drawer & lock, 60" x 30"	
Task chairs, swivel, tilt, armless		
Guest chairs		
• 4-shelf bookcases, 52"H >	: 36"W x 15"D	
4-drawer vertical file cabir	ets, letter size, lockable	

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P.E./Athletics

Storage/ Future Training Room

•						
USERS:	ACTIVITIES:					
Trainer	Administering First Aid					
Student assistants	Taping of student athletes before/after athletic competitions					
Coaches	Administering physical therapy					
PE students	 Training supply and equipment storage 					
 Student athletes 						
DESIGN CONSIDERATIONS:						
	brage room currently but utilities shall be roughed in to allow it to					
serve as a Training Room						
FURNITURE, FIXTURES & E						
Contractor Furnished – Cont	tractor Installed					
 4'x4' marker board 						
 4'x4' tack board 						
 Rough Ins for future count 	er and sink					
 Rough In for Hydrotherapy 	/ whirlpool					
Floor drain						
Rough in for ice machine						
Owner Furnished – Contract	or Installed					
Paper towel dispenser (Fu	ture)					
• Soap dispenser (Future)						
Sanitizer dispenser (Future)	re)					
Small ice machine in acco	rdance with Design Guidelines (Future)					
Owner Furnished – Owner In						
Microwave for heating pace	ls (Future)					
Scale (Future)						
• Exercise bicycle (Future)						
• Taping table (36"Dx36"H)	with drawer door cabinets below. (Future)					
Maximum 18" deep heavy						
	, ,					

P.E./Athletics

Laundry

Edditary		
USERS:	ACTIVITIES:	
• PE	Laundering of athletic team uniforms	
Teachers/Coaches	Laundering of cheerleading uniforms	
Staff		
DESIGN CONSIDERATIO	INS:	
Floor drain		
Floor sloped towards of	drain	
Exhaust to the exterior	r	
 Emergency water shut 		
FURNITURE, FIXTURES	& EQUIPMENT:	
Contractor Furnished – C	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		
Owner Furnished – Contractor Installed		
Paper towel dispenser		
Soap dispenser		
Owner Furnished – Owner Installed		
• 30"x 60" table		
• 36"W tall shelf unit – 2	4"D	

P.E./Athletics

P.E. Equipment Storage

USERS:	ACTIVITIES:
PE Teachers/Coaches	Storing and retrieving equipment used for physical education
Students	classes
DESIGN CONSIDERATIONS:	
 Floors need to be level and of heavy equipment on car 	t transition strip should be low profile to allow for easy movement ts.
FURNITURE, FIXTURES & EC	QUIPMENT:
Contractor Furnished – Cont	ractor Installed
None	
Owner Furnished – Contract	or Installed
None	
Owner Furnished – Owner In	stalled
18"D. Locate bottom shelf	lving on 3 walls. Lower shelf 24"D. Upper shelves to ceiling on 2 walls 48" AFF for ball carts and mats.
 Provide pegboard on 1 wa 	ll for hanging jump ropes, hula hoops, etc.

P.E./Athletics

Athletic Equipment Storage

	-				
USERS:	ACTIVITIES:				
Coaches/Teachers	Storing and retrieving equipment used for athletic programs				
Students					
DESIGN CONSIDERATIONS:					
Floors need to be level and	transition strip should be low profile to allow for easy movement				
of heavy equipment on cart	S				
 Provide exterior access 4-0 	' door.				
FURNITURE, FIXTURES & EQ	UIPMENT:				
Contractor Furnished – Contractor Installed					
• 4'x4' marker board					
4'x4' tack board					
Provide lockable cages to s	ecure team equipment and uniforms				
Owner Furnished – Contracto	r Installed				
None					
Owner Furnished – Owner Ins	stalled				
 36"Wx60"H heavy-duty, adj 	ustable shelf unit in each cage				
	shelving on walls beside door				

EVAN E. WORTHING HIGH SCHOOL

P.E. Athletics

Group Meeting Room

 Coaches Athletics JROTC 48-75 Students 	ACTIVITIES: Mastering 21st Century learning skills Project-based learning Technology-based instruction Collaborative relationship building Demonstrations Working in small groups and in large groups Testing			
 Athletics JROTC 48-75 Students 	 Project-based learning Technology-based instruction Collaborative relationship building Demonstrations Working in small groups and in large groups Testing 			
JROTC 48-75 Students	 Technology-based instruction Collaborative relationship building Demonstrations Working in small groups and in large groups Testing 			
• 48-75 Students	 Collaborative relationship building Demonstrations Working in small groups and in large groups Testing 			
	 Demonstrations Working in small groups and in large groups Testing 			
	Working in small groups and in large groupsTesting			
•	Testing			
	•			
	Lecturing			
DESIGN CONSIDERATIONS:				
	be sufficiently wide to allow for 18" deep folding tables and			
chairs to be arranged along w				
FURNITURE, FIXTURES & EQUI				
Contractor Furnished – Contrac	ctor Installed			
Blinds for windows				
Electrically operated projection	n screen			
Retractable seating				
Presentation Wall				
 1 - 4'x4' Tack Board 				
 1 – 8'x4' Marker Board 				
 Tack Strips located 12" al 	bove marker/tack boards			
 2 flag holders and map ho 				
Owner Furnished – Contractor I				
None				
Owner Furnished – Owner Insta	lled			
Presentation Cart				
Teacher stool				
 35 two person - 18" deep folding tables with cart 				
 80 stacking chairs with cart 				
Ceiling mounted projector				
Clock				



ADMINISTRATION/GUIDANCE



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION



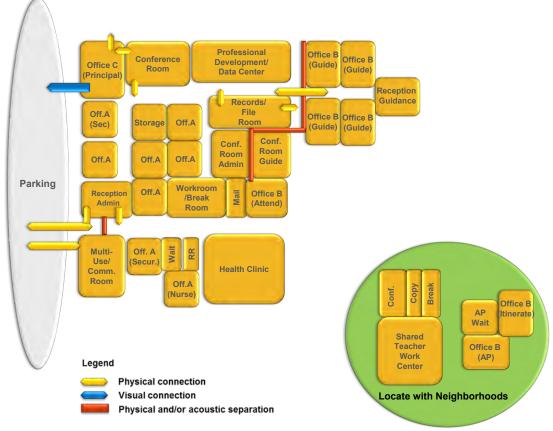
Administration/Guidance

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.

EVAN E. WORTHING HIGH SCHOOL

Space Requirements

	Required Spaces			
Administration/Guidance	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Administration				
Reception and Entry Vestibule, Administration		1	624	624
Office A (Near Apollo Rooms)		1	112	112
Secretary		1	125	125
Registrar		1	100	100
Attendance		1	100	100
Office C (Principal)		1	250	250
Principal's Restroom		1	50	50
Office B		1	125	125
Office B (Business Manager)		1	125	125
Office B		1	171	171
Office B		1	196	196
Office B (Near Apollo Rooms)		1	226	226
AP Reception/Waiting		1	382	382
Conference Room, AP		1	229	229
Conference Room, Main		1	282	282
Conference Room, Small (Attached to Principal's Office)		1	149	149
Storage (1 is School Store)		2	247	494
School Closet		1	197	197
Storage (Auditorium Area)		1	141	141
Health Clinic		1	514	514
Reception/Waiting		1	84	84
Office A (Nurse)		1	107	107
Restroom		1	72	72
Guidance/Student Services				
Reception, Guidance (1 Shared Clerk)		1	200	200
Office B (Counselors and Instructional/ Teacher Specialists)		1	125	125
Office B (Counselors and Instructional/ Teacher Specialists)		1	125	125
Office B (Counselors and Instructional/ Teacher Specialists)		3	125	375
Office B (Counselors and Instructional/ Teacher Specialists)		1	125	125
Office B (Counselors and Instructional/ Teacher Specialists)		1	125	125
Conference Room, Small (SPED)		1	300	300
Records/File Room		1	206	206

SPED Office		2	100	200
Communities in Schools (Tech room) (Sized to House CPU Cows)		1	324	324
Textbook Storage		1	192	192
Mail Pick Up Room		1	74	74
Shared				
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	812	812
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	1,004	1004
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	1,010	1010
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	760	760
Teacher Work Center (Copier, Work Stations, Kitchenette, Conference)		1	518	518
Professional Development/Data Center		1	400	400
Police/Security Suite Waiting Area		1	183	183
Office A		1	99	99
Small Conference		1	158	158
Multi-Use/Community Room		1	276	276
New Mother's Room		1	51	51
File Room		1	200	200
Total	0			12,697

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Reception, Administration

USERS:	ACTIVITIES:
ParentsStudentsCommunity membersFaculty/staff	 Greeting and welcoming people and directing them to the proper location or person Waiting/seating area for visitors, students, and staff members Controlling entrance to the school
DESIGN CONSIDERATIONS	
	ugh reception to enter school the circulation desk. A portion shall be at height to meet
FURNITURE, FIXTURES & E	QUIPMENT:
Contractor Furnished – Con	tractor Installed
None	
Owner Furnished – Contract	tor Installed
None	
Owner Furnished – Owner In	nstalled
•	ith work stations to include: F work surface (section with reduced height for greeting children/
Rear work surface 30'	'D x 30"H
Work surfaces should hav	e lockable built-in storage below including a combination of 6"D 4) as well as cabinets with adjustable shelving2 Task chairs
Side tables	

• Video Display

Administration/Guidance

Office A

USERS:	ACTIVITIES:	
 Staff/Faculty Clerical Support Staff Students Parents 	 Assisting in administrative record keeping Preparation of correspondence, reports and other administrative tasks Private conferences 	
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & E	QUIPMENT:	
Contractor Furnished – Cont	tractor Installed	
Blinds on windows		
• 4'x4' marker board		
 4'x4' tack board 		
Owner Furnished – Contract	or Installed	
None		
Owner Furnished – Owner In	stalled	
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 decision contract file. Letter size, le cluchte		

• 4-drawer vertical file, letter size, lockable

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Office C (Principal)	
USERS:	ACTIVITIES:
Principal	Conducting administrative duties
Students	 Preparing correspondence and reports
Parents	 Meeting with parents, students and other visitors
	Placing phone calls
DESIGN CONSIDERATIONS:	
Locate with view to school	
	ve Administration Suite without being seen from reception.
Should have direct access	
FURNITURE, FIXTURES & EC	
Contractor Furnished – Cont	ractor Installed
Blinds on windows	
 4'x4' marker board 	
4'x4' tack board	
Owner Furnished – Contracto	or Installed
None	
Owner Furnished – Owner Ins	stalled
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	1 x 36"W x 15"D
• 4-drawer vertical file, letter	size, lockable

Administration/Guidance

Principal's Restroom

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

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Office B (AP)		
USERS:	ACTIVITIES:	
Staff	Conducting administrative tasks	
Teachers	 Preparing correspondence and reports 	
 Assistant 	 Creating and documenting new and existing students 	
Principal	 Meeting with parents, students and other visitors 	
Students	Placing phone cards	
Parents		
DESIGN CONSIDERA		
 Locate with neight 		
FURNITURE, FIXTUR		
	I – 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		
4 guest chairs		
36" conference table		
 4-shelf bookcase, 52"H x 36"W x 15"D 		
4-drawer vertical file, letter size, lockable		

Administration/Guidance

AP Waiting

0		
USERS:	ACTIVITIES:	
Parents	Greeting and welcoming people	
Students	 Waiting/seating area for visitors, students, and staff 	
Community members	members	
 Faculty/staff 		
DESIGN CONSIDERATIONS:		
 Should be located adjacent 	to Neighborhoods	
FURNITURE, FIXTURES & EQ	UIPMENT:	
Contractor Furnished – Contr	actor Installed	
None		
Owner Furnished – Contracto	r Installed	
None		
Owner Furnished – Owner Ins	stalled	
 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).		
Rear work surface 30"D x 30"H		
	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

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Conference Room, Main

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

Administration/Guidance

Conference Room, Small

USERS:	ACTIVITIES:		
Staff/Faculty	 Meetings/Conferences between Faculty/Staff and 		
Parents	Students, Parents and Community		
School Support Groups			
(PTO, etc.)			
DESIGN CONSIDERATIONS:			
None			
FURNITURE, FIXTURES & EQ	UIPMENT:		
Contractor Furnished – Contr	Contractor Furnished – Contractor Installed		
Blinds on windows			
Marker and tack board in cabinet			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
Credenza			
Conference table for 6 people			
6 Swivel, tilt armchairs			
Television and/or projector			

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Storage Room

USERS:	ACTIVITIES:	
Guidance Clerk	Storing office supplies	
Counselors	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		

Administration/Guidance

Office A (Security Office)

USERS:	ACTIVITIES:	
Security Officer	Administrative tasks	
Staff/Faculty	 Preparing correspondence and reports 	
Students	 Creating and documenting safety and security matters 	
Parents	 Meeting with parents, students and other visitors 	
DESIGN CONSIDERATIO	NS:	
Locate near main entra	nce with full access and visibility to Lobby	
FURNITURE, FIXTURES 8	EQUIPMENT:	
Contractor Furnished – C	ontractor Installed	
Blinds on windows		
• 4'x4' marker board		
4'x4' tack board		
Owner Furnished – Contr	actor Installed	
None		
Owner Furnished – Owne	r 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, le	tter size, lockable	

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Health Clinic – Reception/Waiting

USERS:	ACTIVITIES:	
School nurse	Waiting area for visitors, students, and staff members	
Staff		
Students		
Parents		
Visitors		
DESIGN CONSIDERATIONS:		
Visual connection between	Nurses' Office and Waiting	
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
4 guest chairs		
Literature racks		

Administration/Guidance

Health Clinic

USERS:	ACTIVITIES:	
School nurse	Treating ill or hurt students	
Staff	 Conducting medical exams/screening 	
Students	Dispensing medications	
Parents	Waiting area for ill students prior to being picked up	
DESIGN CONSIDERATIONS:		
Visual connection between	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		
Owner Furnished – Owner Ins	Owner Furnished – Owner Installed	
Cot/exam table	Cot/exam table	
Adjustable height stool		
Locking refrigerator with ice maker		
Biohazard disposable can		
Medical sharps waste disposal		
2 guest chairs		
Defibrillator		

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EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Health Clinic – Office A

USERS:	ACTIVITIES:	
 School nurse Staff Students 	 Consultation by nurse with students, parents and staff Record-keeping and paperwork Working with student health files 	
ParentsVisitors	J	
DESIGN CONSIDERATIONS:		
Visual connection between Nurses' Office and Waiting		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
Blinds on windows	Blinds on windows	
• 4'x4' marker board		
• 4'x4' tack board		
Owner Furnished – Contractor Installed		
File cabinet		
Literature rack		
Owner Furnished – Owner Installed		
 Double pedestal desk with center drawer & lock, 60" x 30" 		
• Credenza		
Task chair		
2 guest chairs		
 4-shelf bookcases, 52"H x 36"W x 15"D 		
4-drawer vertical file, letter size, lockable		

Administration/Guidance

Health Clinic - Restroom

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

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Reception, Guidance

USERS:	ACTIVITIES:
 Parents Students Community members Faculty/staff 	 Greeting and welcoming people and directing them to the proper location or person Waiting/seating area for visitors, students, and staff members
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EQ	UIPMENT:
Contractor Furnished – Contr	actor Installed
None	
Owner Furnished – Contracto	r 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)/ Must be ADA compliant 	
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 Ins	talled
Task chair	

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Administration/Guidance

Office B (Attendance, Registrar, Officer)

•	
USERS:	ACTIVITIES:
Attendance Clerk,	Administrative tasks
Registrar, Officer	 Preparation of correspondence and reports
Staff	 Creating and documenting new and existing students
Students	 Meeting with parents, students and other visitors
Parents	
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EQ	UIPMENT:
Contractor Furnished – Contr	actor Installed
Blinds on windows	
4'x4' marker board	
4'x4' tack board	
Owner Furnished – Contracto	or Installed
None	
Owner Furnished – Owner Ins	stalled
Double pedestal desk with c	center drawer & lock, 60" x 30"
Task chair	
2 Guest chairs	
 4-shelf bookcase, 52"H x 36"W x 15"D 	
• A drawer vertical file letter size lockable	

• 4-drawer vertical file, letter size, lockable

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Conference Room, Small – Guidance/Student Services

USERS:	ACTIVITIES:
Staff/Faculty	 Meetings/Conferences between Faculty/Staff and Students,
Parents	Parents and Community
Visitors	
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
Blinds on windows	
Marker and tack board in cabinet	
Owner Furnished – Contractor Installed	
None	
Owner Furnished – Owner Ins	talled
Credenza	
Conference table for 6 people	
6 Swivel, tilt armchairs	

Administration/Guidance

Records/File Room

USERS:	ACTIVITIES:
Guidance Clerk	 Storing and retrieving student records
Counselors	
Administrators	
DESIGN CONSIDERATIONS:	
Room should be treated as	a 1 hour fire-rated enclosure.
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contr	actor 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 – Contracto	r Installed
None	
Owner Furnished – Owner Ins	stalled
• 24"x36" table	
2-door lockable storage cabinet	
Side chair	
10 - 5-drawer vertical file cabinets	

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Mail Pick Up

USERS:	ACTIVITIES:
Faculty	Picking up mail
Staff	Reading notices
	Dropping off mail
DESIGN CONSIDERATIONS:	
 Provide in/out doors off of set 	econdary 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	
None	

Administration/Guidance

Workroom/Break Room

WOIKIOOIII/DIEak ROOI		
USERS:	ACTIVITIES:	
Faculty	Copying	
Staff	Collating	
Volunteers	Preparing communications for mailing	
Parents	Laminating, book making, poster making	
	General office work	
	Storing and retrieving supplies	
	Mail delivery and retrieval	
DESIGN CONSIDERATIONS		
Mail slots should open dire	ectly to mail pick up room.	
FURNITURE, FIXTURES & E	QUIPMENT:	
Contractor Furnished – Con	tractor Installed	
Blinds on windows	Blinds on windows	
• 4'x4' marker board		
• 4'x4' tack board		
• At least 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 of		
Owner Furnished – Contract	or Installed	
Paper towel dispenser		
Soap dispenser		
Owner Furnished – Owner Ir	istalled	
• 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		

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Shared – Professional Development/Data Center

USERS:	ACTIVITIES:	
Teachers	 Keeping track of student progress and activity 	
Administrators	Professional teacher training, development and in services	
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
2 walls continuous tackable surface		
2 walls continuous marker surface		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Ins	talled	
• 24"x36" tables		
2-door lockable storage cabinet		
Swivel, tilt chairs		
5-drawer vertical file cabinets		
Television and/or projector	Television and/or projector	

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Shared – Teacher Work Center, Work Stations

USERS:	ACTIVITIES:	
Teachers	Preparing lesson plans	
	Teacher supply storage	
	Researching	
	Meeting	
DESIGN CONSIDERATIONS:		
None		
FURNITURE, FIXTURES & EQ	UIPMENT:	
Contractor Furnished – Contra	actor Installed	
4'x4' marker board		
4'x4' tack board		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Modular open office systems furniture with keyed over desk storage and file drawers, each		
set separately keyed to a master.		
Tilt swivel desk chairs on casters		

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Shared – Teacher Work Center, Copier Room

USERS:	ACTIVITIES:			
Teachers	Preparing lesson documents			
	Teacher supply storage			
DESIGN CONSIDERATION	DESIGN CONSIDERATIONS:			
None	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				
Copier	Copier			
Tall double door stora	Tall double door storage cabinet			

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Shared – Teacher Work Center, Conference Room

USERS:	ACTIVITIES:		
Teachers	Meetings		
	Collaboration		
DESIGN CONSIDERATIONS:			
None			
FURNITURE, FIXTURES & EQ	UIPMENT:		
Contractor Furnished – Contr	actor Installed		
4'x4' marker board	4'x4' marker board		
• 4'x4' tack board			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
Credenza			
Conference table for 6 peop	Conference table for 6 people		
6 Swivel, tilt armchairs			
Television and/or projector			

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Shared – Teacher Work Center, Break Area

USERS:	ACTIVITIES:		
Teachers	Lounging		
	Eating		
DESIGN CONSIDERATIO	NS:		
None	None		
FURNITURE, FIXTURES &	EQUIPMENT:		
Contractor Furnished – C	ontractor Installed		
• 4'x4' marker board			
• 4'x4' tack board			
Casework with sink and cabinets			
Owner Furnished – Contr	actor Installed		
None			
Owner Furnished – Owner Installed			
Chairs			
Tables	Tables		

Administration/Guidance

Shared – Office B (Itinerant)

,	-		
USERS:	ACTIVITIES:		
Staff	Administrative tasks		
Students	 Preparation of correspondence and reports 		
Parents	Creating and documenting new and existing students		
	 Meeting with parents, students and other visitors 		
DESIGN CONSIDERATIONS:			
Locate with Neighborhoods	Office B (AP) and Teacher Work Centers.		
FURNITURE, FIXTURES & EQ	UIPMENT:		
Contractor Furnished – Contr	actor Installed		
Blinds on windows	Blinds on windows		
• 4'x4' marker board	 4'x4' marker board 		
4'x4' tack board			
Owner Furnished – Contracto	Owner Furnished – Contractor Installed		
None			
Owner Furnished – Owner Ins	talled		
Double pedestal desk with center drawer & lock, 60" x 30"			
Task chair			
2 Guest chairs	2 Guest chairs		
 4-shelf bookcase, 52"H x 36"W x 15"D 			
• 4-drawer vertical file, letter s	4-drawer vertical file, letter size, lockable		

EVAN E. WORTHING HIGH SCHOOL

Administration/Guidance

Shared – Multi-Use/Community Room

USERS:		ACTIVITIES:		
	nunity Members	Meetings/Conferences between Faculty/Staff and Students,		
 Princ 	ipal	Parents and Community		
 Staff/ 	Faculty			
Parer	nts/Students			
Scho	ol Support Groups			
(PTO	, etc.)			
DESIGN	CONSIDERATIONS:			
None	None			
FURNITU	IRE, FIXTURES & EQ	UIPMENT:		
Contract	or Furnished – Conti	ractor Installed		
Appro	Approximately 6' LF casework including, sink cabinet, door base and wall cabinet			
Blinds	Blinds on windows			
Mark	Marker board			
 Tack 	Tack board			
Owner F	Owner Furnished – Contractor Installed			
None				
Owner F	Owner Furnished – Owner Installed			
• 2 doc	2 door locking storage cabinet			
Comp	Computer work tables			
Task	chairs			
Modu	lar tables for easy rea	rrangement depending on room use (18" x 48")		
Stack	Stackable chairs			
 Proje 	Projector			





FOOD SERVICE



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION



Food Service

Overview:

School Food Service Trends

Source: National Food Service Management Institute

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

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

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

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

Key Considerations in Designing a Successful School Food Operation and Cafeteria

Increased Emphasis on Health and Wellness

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



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

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

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

Smaller and More Mobile Equipment

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

Equipment with New or Blended Technologies

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

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

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

Labor-Saving Options

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

Better Ventilation

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

grease that accumulates in and above range filters and ducts.

Increased Emphasis on Food Safety

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

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

Incorporation of Electro-Processors and Computers into Equipment

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

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

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

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

More Colorful and/or Less Expensive Construction Materials

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

Service Trends

The trends being observed in new school food service programs include a blend of selfservice 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

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

Kiosks and Food Carts

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

Exhibition-Style Cooking

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

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

Critical Needs List

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

- 1. Key regulatory considerations/National School Lunch Program requirements:
 - a. HISD should continue offering a large variety of fresh fruit and vegetables with every meal. Adequate and refrigerated merchandising space is needed on each service line.
 - b. The POS (point-of-sale) units must be located at the end of the serving line after all food and beverages have been served in order to comply with NSLP regulations.
 - c. To comply with NSLP potable water access regulations, water fountains must be located in the dining area.
- 2. Changing trends in menus:
 - a. Student ViewPOINT surveys conducted over the last three years in all HISD middle and high schools show the consumer preference to continue popular build-your-own style serving options for our students.
 - 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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double as a Mexican theme station (including fresh tortilla grilling and live action preparation of items) without major equipment change.

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

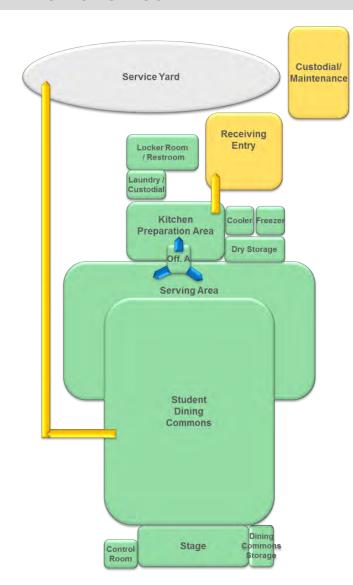
ARAMARK Capital Projects' design experts were also consulted for their expertise and validation of our plan direction. Their group connects resources, guides capital project innovations, and educates the company and its partners on ways to maximize investment value. They are responsible for ARAMARK's 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.





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.

Space Requirements

	Required Spaces			
Food Service	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Kitchen Preparation Area		1	1,198	1,198
Serving Area		1	1,401	1,401
Dry Storage		1	259	259
Freezer		1	200	200
Cooler		1	200	200
Kitchen Manager's Office		1	93	93
Laundry/Custodial Area		1	90	90
Locker Room/Restroom		1	122	122
Student Dining Commons (seating for 1/3 of students at one time plus 200 for dining)		1	6,200	6,200
Dining Commons Storage		1	200	200
Total	0			9,963

EVAN E. WORTHING HIGH SCHOOL

Food Service

Kitchen Preparation Area

US	SERS:	ACTIVITIES:		
•	Manager	Preparation of food		
٠	Food Service Staff	Cooking foods		
		Staging meals before moving to serving lines		
		Cleaning equipment, work surfaces and floors		
DE	ESIGN CONSIDERATIONS:			
•	Equipment shall be located areas.	d under two exhaust hoods located in close proximity to serving		
٠	Gas line to be exposed wit	th additional electric circuit for expansion.		
٠	Fire protection system – ac	dd one floor sink and water connection under each hood.		
٠	Doorbell at receiving shoul	Id be audible in Food Preparation Area.		
٠	Allow space to store Utility	^r Carts.		
٠	Provide a minimum of 4' -	0" wide doors.		
٠	Provide window, peep hole	e or camera for visibility of persons making deliveries to those		
	receiving deliveries.			
	IRNITURE, FIXTURES & E			
Сс	ontractor Furnished – Cont	tractor Installed		
٠	Markerboard	 8- Pan Racks (Bun rack) 		
٠	Tackboard	 1- Three compartment sink w/shelf 		
٠	Cookline:	 Mobile Utensil shelf, number as 		
	 2- Vent Hoods, 15' mir 			
	Fire Protection System			
	 2- Convection ovens, or 			
	2- Steamer Electric w/	J		
	1- (4) Burner Range co			
	 1- Oven 	students)		
	 1- Two comp. sink w/d 			
	 1- Disposal 	2- Manual Can openers		
	 4- work tables min., nu 			
	 10' Worktable w/ utility 			
	front of cook line, num			
0	vner Furnished – Contract	tor Installed		
•	Soap Dispensers			
•	Paper Towel Dispensers			
0	wner Furnished – Owner Ir	nstalled		
•	Clock(s)			

Food Service

Serving Area	
USERS:	ACTIVITIES:
Kitchen Manager	Serving food
 Food Service Staff 	Receiving payment for food
Students	
 Faculty 	
DESIGN CONSIDERATIONS:	
	ninimum of 3 lunch periods.
 Serving will be in a food co 	urt design – number of stations dependent upon school capacity.
	one station to be separate from kitchen so it can be used by
school organizations after l	iours.
	d be audible in Serving Area.
 Provide a minimum of 4'-0" 	
FURNITURE, FIXTURES & EC	
Contractor Furnished – Cont	
2- Traditional (Standard Se	÷ ,
 1 – Cold Display Merch 	
 2- 3' Serving Unit Pan 	
 1- 5' Serving Unit Pan 	
 1- 3' Serving Unit Pan 	Cold
 1- Cold Tier Hot/Frost 	
 1- Cash Table 	
 2- Specialty Line 	
 2- Cold Tier Hot/Frost 	
 1- 2' Serving Unit Pan 	Cold
 1- 3' Serving Unit Pan 	Flat
 1- 4' Serving Unit Pan 	Hot
 1- 3' Serving Unit Pan 	Cold
 1- 2' Serving Unit Pan 	Flat
 1- Cash Table 	
 1- Snack and Go 	
 5- 5' Serving Unit Pan 	Flat
 4- 2' x 3' Flat Table 	
 2- Table Top Cold Unit 	
2- 3' Hot Gravity Feed	
 3- Cash Tables 	
• 1- Heated Cabinet, 2 Door,	pass thru preferred
• 1- Refrigerator, 1 door, pas	s thru preferred
Back Counter, as needed	
Multi-fold Hand Towel Disp	ensers
Soap Dispensers	
• Electronic Display (Menus)	 One for each serving line
Owner Furnished – Contract	
None	
Owner Furnished – Owner In	stalled
Point Of Sale (POS) Units	- One for each serving line
 Adjustable height stools – (
Clock(s)	÷

Food Service

Dry Storage

, ,			
USERS:	ACTIVITIES:		
Food Service Staff	Storing dry food / supplies		
DESIGN CONSIDERATIONS:			
Locate Dry Storage near Kit	chen Preparation Area		
Locate Dry Storage for easy	access to Receiving Entry		
Provide security camera to r	nonitor entrance		
Provide a minimum of 4' - 0'	' wide doors.		
FURNITURE, FIXTURES & EQ	FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contra	actor Installed		
• 2 - Can Racks – gravity fed	2 - Can Racks – gravity fed		
Dry Storage Shelving, solid, as needed			
Dunnage Racks, solid, as needed			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Ins	talled		
None			

Food Service

Freezer

USERS:	ACTIVITIES:		
Food Service Staff Storing frozen food			
DESIGN CONSIDERATIONS:	·		
Locate freezer near Kitcher	n Preparation Area and have it open from Cooler.		
Enter freezer through coole	r		
 Locate for easy access to F 	Receiving Entry		
 Provide computerized removing 	ote monitoring system.		
Provide a minimum of 4' - 0	" wide door		
FURNITURE, FIXTURES & EC	UIPMENT:		
Contractor Furnished – Cont	ractor Installed		
 1- Walk-in Freezer – TN-07 	 1- Walk-in Freezer – TN-078, walk thru evenly spaced, min. 400 sq. ft. 		
 2- Dunnage Racks, (Vented cold storage) 			
	Cold Storage Shelving, vented, number as needed.		
Owner Furnished – Contractor Installed			
• None			
Owner Furnished – Owner Ins	stalled		
None			



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Food Service

Cooler

ACTIVITIES:		
Storing cold foods		
Defrosting frozen food		
Preparation Area and have it open into both Prep and Freezer		
y access to Receiving Entry.		
e monitoring system		
wide doors.		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
1- Walk-in Cooler, walk thru evenly spaced, min. 400 sq. ft.		
2- Dunnage Racks, (Vented Cold Storage)		
Cold Storage Shelving, vented, number as needed		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
None		

Food Service

Office A (Kitchen's Manager's Office)			
USERS:	ACTIVITIES:		
Manager	Filing out Food Service documentationReviewing employee request		
	Ordering supplies		
	Counting cash		
	•		
DESIGN CONSIDERATIONS			
 Locate manager's office i line holding area and record 	n a central location to allow visibility into kitchen prep area, service eiving.		
Provide window, peep ho	le or camera for visibility of person receiving deliveries.		
	o' to below ceiling on all sides.		
 Doorbell at receiving should be audible in Kitchen Manager's Office and Kitchen Preparation Area. 			
•	eeds to be monitored through the computer system in the office.		
	be secured to the building in a non-visible space in the office.		
Provide minimum of 4' wi	de doors.		
FURNITURE, FIXTURES & E			
Contractor Furnished – Co	ntractor Installed		
1- Combination Safe			
 4' x 4' marker board 	• 4' x 4' marker board		
	• 4' x 4' tack board		
Owner Furnished – Contrac	ctor Installed		
None			
Owner Furnished – Owner	nstalled		
	Desk		
	1- Task Chair		
1- Guest Chair			
File Cabinet			
Bookcase			
	Blinds		
Clock Drintor			
Printer Computer			
ComputerTrash cans			

EVAN E. WORTHING HIGH SCHOOL

Food Service

Laundry / Custodial Area

USERS:	ACTIVITIES:
Manager	Washing food prep clothes and aprons
Food Service Staff	Drying food prep clothes and aprons
	Storing cleaning supplies
	Storing cleaning equipment
	Cleaning mops
DESIGN CONSIDERATIONS:	
	n to prevent fumes from cleaners from damaging mother boards in
washer and dryer. Alternatively, provide separate rooms for	
FURNITURE, FIXTURES & EC	
Contractor Furnished – Cont	ractor Installed
• 1- Washer	
• 1- Dryer	
Shelving, composite, as needed	
Mop/Broom Rack	
Mop Sink	
Owner Furnished – Contract	or Installed
Paper Towel Dispenser	
Owner Furnished – Owner In	stalled
None	

Food Service

Locker Room / Restroom	
USERS:	ACTIVITIES:
Kitchen Manager	Staff clothes changing
Food Service Staff	 Storing of personal items by Staff
DESIGN CONSIDERATIONS:	
Provide floor drains with easy access clean-outs.	
FURNITURE, FIXTURES & EQUIPMENT:	
Contractor Furnished – Contractor Installed	
8-10 Lockers min.	
Coat Hooks	
Owner Furnished – Contractor Installed	
Paper towel dispenser	
Soap dispenser	
Toilet paper dispenser	
Owner Furnished – Owner Installed	
Bench	
Clock	

EVAN E. WORTHING HIGH SCHOOL

Food Service

Student Dining Commons

USERS:	ACTIVITIES:
Kitchen Manager	Eating
 Food Service Staff 	Student Assembly
Students	Social Gathering
Faculty	
DESIGN CONSIDERATIONS:	
	Commons to dumpster area without going through Kitchen Prep.
Include drinking fountains in the Dining Commons per code	
Provide area for future addition of vending machines	
FURNITURE, FIXTURES & EQ	UIPMENT:
Contractor Furnished – Contra	actor Installed
 4' x 8' Tack board(s) 	
Connections for projectors	
Sound System, to balance sound throughout the room	
Electronic Display	
Charging stations, as needed	
Owner Furnished – Contracto	r Installed
None	
Owner Furnished – Owner Ins	talled
 Tables and chairs for 1/3 of the program capacity plus 200 for dining 	
 Size and shape of tables should be varied to prevent an institutional appearance 	
Clock	

Food Service

Student Dining Commons – Storage		
USERS:	ACTIVITIES:	
 Kitchen Manager Food Service Staff Students Faculty 	Storing dining tables and chairsStoring dining room equipment	
DESIGN CONSIDERATIONS		
None		
FURNITURE, FIXTURES & E	EQUIPMENT:	
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Cart for Chairs		
Cart for Tables		





CUSTODIAL/MAINTENANCE



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION

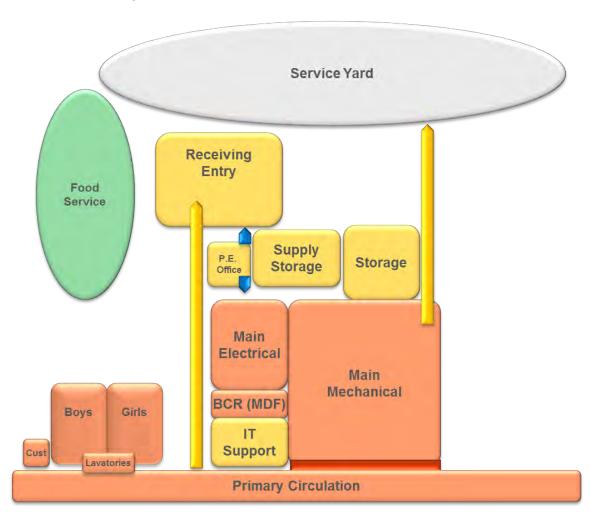


Custodial / Maintenance

Overview:

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

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



Legend

Physical connection
 Visual connection
 Physical and/or acoustic separation

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

HOUSTON INDEPENDENT SCHOOL DISTRICT CONSTRUCTION AND FACILITY SERVICES: FACILITIES PLANNING – JUNE 12, 2014 www.houstonisd.org//Domain/7974

Space Requirements

	Required Spaces			
Custodial/Maintenance	Teaching Station(s)	Quantity	Average Square Feet	Net Area Provided
Receiving Entry		1	151	151
Office, Plant Engineer		1	88	88
Custodial/Maintenance Storage		1	300	300
Supply Storage		1	301	301
IT Support		1	185	185
Custodial Closet (Includes Toilet and Lockers)		1	272	272
Custodial Closet		1	113	113
Custodial Closet		1	99	99
Custodial Closet		1	24	24
Custodial Closet		1	40	40
Custodial Closet		1	38	38
Custodial Closet		1	42	42
Total	0			1,653

Custodial / Maintenance

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 		
DESIGN CONSIDERATIONS:			
• Provide space for a minimum of 3 waste bins and 1 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 	Provide bollards to prevent damage to buildings		
FURNITURE, FIXTURES & EC			
Contractor Furnished – Cont	ractor Installed		
None			
Owner Furnished – Contractor Installed			
None			
Owner Furnished – Owner Installed			
None			

EVAN E. WORTHING HIGH SCHOOL

Custodial / Maintenance

Plant Engineer's Office

_		
USERS:	ACTIVITIES:	
Plant Engineer	Office functions for Plant Engineer	
Custodial Staff	 Repairing equipment using hand tools 	
Maintenance Personnel	 Scheduling of custodial staff 	
	Reviewing staff requests	
DESIGN CONSIDERATIONS:		
View to Receiving Entry		
FURNITURE, FIXTURES & EC	QUIPMENT:	
Contractor Furnished – Cont	tractor 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		
Bookcase		

Custodial / Maintenance

Storage

USERS:	ACTIVITIES:
Plant Engineer	Repairing equipment using hand tools
Custodial Staff	 Storing miscellaneous building supplies
Maintenance Personnel	Storing building maintenance equipment
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EQ	UIPMENT:
Contractor Furnished – Contra	actor Installed
3 locking cages to secure ed	uipment/supplies
Owner Furnished – Contracto	r Installed
None	
Owner Furnished – Owner Ins	talled
• 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

HISD EDUCATIONAL SPECIFICATIONS

EVAN E. WORTHING HIGH SCHOOL

Custodial / Maintenance

Supply Storage

USERS:	ACTIVITIES:	
Plant Engineer	Storing miscellaneous school supplies	
 Custodial Staff 	Storing school furniture	
	Storing school equipment	
DESIGN CONSIDERATION	DNS:	
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
None		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
Adjustable metal shelving		

Custodial / Maintenance

IT Support	
USERS:	ACTIVITIES:
IT Personnel	Store IT equipment
Plant Operator	Repair IT devices
DESIGN CONSIDERATIONS:	
None	
FURNITURE, FIXTURES & EC	QUIPMENT:
Contractor Furnished – Cont	ractor Installed
None	
Owner Furnished – Contract	or Installed
None	
Owner Furnished – Owner In	stalled
• 30 x 60 Table	
2 Chairs	
Adjustable shelves	

HISD EDUCATIONAL SPECIFICATIONS

EVAN E. WORTHING HIGH SCHOOL

Custodial / Maintenance

Custodial Closet

USERS:	ACTIVITIES:	
Plant Engineer	Storing of Mops and Brooms	
Custodial Staff	Cleaning of mops and other custodial equipment	
DESIGN CONSIDERATIONS:		
Locate throughout school		
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		



BUILDING SUPPORT



HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION

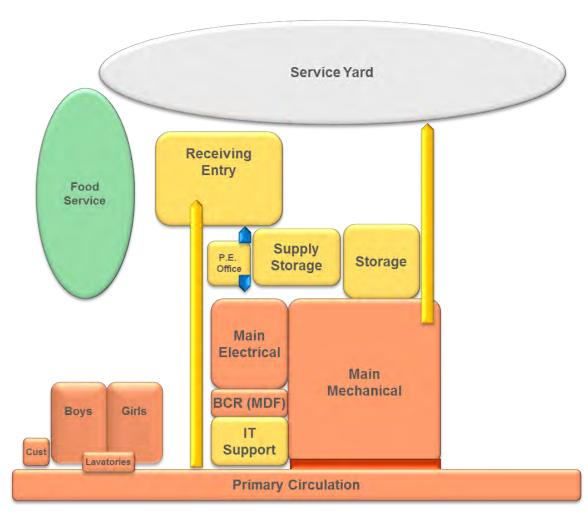


Building Support

Overview:

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

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



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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Building Support Corridors

USERS:	ACTIVITIES:	
Students	Circulation of occupants	
 Faculty 	Displaying awards, pictures, student work and school	
Staff	announcements	
Visitors		
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 – Cont	ractor Installed	
Lockable display cabinets		
Tack board / Tack wall		
Owner Furnished – Contractor Installed		
None		
Owner Furnished – Owner Installed		
None		

Building Support

Group Restrooms

USERS:	ACTIVITIES:		
Students	Personal hygiene		
DESIGN CONSIDERATIONS:			
No corridor doors			
Differentiate finishes between	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 In	Owner Furnished – Owner Installed		
None			

EVAN E. WORTHING HIGH SCHOOL

Building Support

Single Restro	ooms
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-		
USERS:	ACTIVITIES:	
Faculty	Personal hygiene	
Visitors		
DESIGN CONSIDERATIONS:	DESIGN CONSIDERATIONS:	
None		
FURNITURE, FIXTURES & EQUIPMENT:		
Contractor Furnished – Contractor Installed		
Mirrors		
Owner Furnished – Contractor Installed		
Paper towel dispenser		
Soap dispenser		
Toilet paper dispenser		
Owner Furnished – Owner Installed		
None		

Building Support

Main Mechanical	
USERS:	ACTIVITIES:
Plant Operator	Mochanic

USERS.	ACTIVITIES.
Plant Operator	 Mechanical Equipment which heats and cools school
Maintenance Staff	Repairing Mechanical Equipment
	 Servicing Mechanical Equipment
DESIGN CONSIDERATIONS	
Size overhead coiling door	s to allow for replacement of equipment
FURNITURE, FIXTURES & E	QUIPMENT:
Contractor Furnished – Con	tractor Installed
Mechanical Equipment	
Owner Furnished – Contract	or Installed
None	
Owner Furnished – Owner Ir	stalled
None	

200

HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL

Building Support Main Electrical

USERS:	ACTIVITIES:	
Plant Engineer	 Electrical Equipment for school's electrical needs 	
Maintenance Personnel	Repairing Electrical Equipment	
	Servicing Electrical Equipment	
DESIGN CONSIDERATIONS:		
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 Installed		
None		

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 In	stalled	
IT Racks	IT Racks	
IT Equipment		

Building Support

Stairs

USERS:	ACTIVITIES:
Students	Vertical circulation for building occupants
 Faculty 	
Staff	
Visitors	
DESIGN CONSIDERATION	ONS:
Visual supervision of	stairs from corridors should be maintained
 Multiple staircases for 	student circulation should be considered rather than a single
monumental stair	
FURNITURE, FIXTURES	
Contractor Furnished –	Contractor Installed
None	
Owner Furnished – Con	tractor Installed
None	
Owner Furnished – Owr	er Installed
None	

Building Support

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







HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION







HISD EDUCATIONAL SPECIFICATIONS EVAN E. WORTHING HIGH SCHOOL – JUNE 12, 2014

CONSTRUCTION AND FACILITY SERVICES FACILITY PLANNING DIVISION





General Notes

- G1. Provide base as appropriate for flooring material, for concrete provide flexible base.
- 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

- Continue flooring from corridor to front side of reception counter. Α.
- Removable interlocking rubber tile floor designed for use in weight rooms shall be provided and installed by contractor over a permanent substrate. Β.
- C. Two duplex outlets located in casework apron at each student station
- One duplex and data located for wall mounted display monitor D.
- Ε. Locate one set of drinking fountains in adjacent corridor.
- Provide floor drain at emergency shower/eyewash station. Provide acid resistant piping and neutralization. F.
- Provide system noted with an * if required for specific curriculum. G.
- Provide lockable storage, including one ventilated cabinet for paints and thinners. Coordinate mechanical for proper ventilation. Η.
- Provide large deep sink for cleaning instruments. Ι.
- Provide large electrically operated, projection screen with projector J.
- Κ. 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
- Provide permanent speaker system R.
- S. Provide double door with removable mullion at corridor.
- T. Provide electrical and data outlets as required by equipment layout.
- U. Provide plywood under GWB these areas to allow for hanging of artwork. Develop detail at floor base to address the need to constantly repaint these walls.



								FINI	SHES												OPEN	INGS							HV	AC, PLI	JMBIN	G AND	ELECTR	ICAL							EQU	JIPMEI		O SPEC	IAL SYS	STEMS	;		T	
				FLO	OOR					PA	ARTITION	IS			C	EILING				DOOR	s			WINDOW	vs		HVAC			PLU	JMBING				ELECTR	ICAL			EQ	QUIPMEI	NT			BUILT	INS		SPEC	CIAL SYSTEM	s	
	Carpet	Μοοφ	Concrete Polished or Stained		sports Ceramic Tile	Quarry Tile	Resinous	Resilient		Gypsum Wallboard Ceramic Tile	Glass Wall	Markable Wall	Folding Wall	Exposed Structure	Acoustical Ceiling Tile	Gypsum Wallboard	Ceiling Height Min/Max	Alumin / Storefront	Hollow Metal	Wood, plastic laminate	koll-up, exterior- insulated Roll-up, interior	door/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	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	Phone	Sound System and Microhone	Specialty	NOTES
Neighborhoods																																																		
Learning Center]	x				X	x D	x	X	x x	X		X		9/10	x		X	X	(X			Х								8	3	6	Х			2	3	1						х			
Wet Lab			1	x				X	x x	x	X	x			X		9/10	x		X		X			х	х	Х		8	8		1)	(16	5	10	Х			2	3	1		х	Х	х	х	х			C,F,G
Wet Lab Storage			1	х				X	x D	x					Х		8			Х		X		Х		х	Х		1	1		1)	(4	1	1				1	1			х	Х	х	Х	х			
Flex Lab			1	х				X	x D	x					Х		9/10	x		Х	Х	(X			Х	х		*	*	*			8	*	*	Х			2	3	1		*	*	*	*	х			G
Learning Commons/Extended Learning Area	Х		2	x					x x	x	X	x	X	Х	X		12/1	6 X		Х	Х	x x	х		Х						2 cha	rging a	ireas v	vith 3 c	quads	e X			1	1	1						х			D
Storage			1	x				x	x i	x					Х		8			х		X		x																										
Office / Workroom	Х		1	x				x	x i	x					Х		8			х		x	х						1				4	1	2				1	1			х	Х			х			
Special Education Learning Center			2	x				X	x i	x	X	x			Х		9/10	x		х		x	х		х				1				8	1	6	Х			2	3	1						х			G
Kitchen				x				X	x i	x					X		8			Х		X	х	х	Х		х		1)	(3		1				1	1			х	х	х		х			
Restroom					Х				x i	x x	(X	8			Х				х		х			1)	(1		1									х						
Changing Room (Shower Area)					Х				x x	x x	(X	8			X				x		Х			1)	(1		1									Х						
Storage			2	x				X	x i	x					Х		8			Х		X		х									1																	
Small Group Room	Х		2	x					x i	x	X	x			Х		9/10	X		Х		X	х										4		1	Х			1	1							Х			
Lecture Hall/Teaching Theater			2	x				X	x i	x					Х		9/10	X		Х	х		х		Х								8	*	*	Х			2	3	1		*	*	*	*	Х			
Storage			2	х				X	x x	x					X		8			Х		X		Х									2												х					

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					FI	NISHES									OP	ENINGS						HV	AC, PLU	JMBING	AND E	LECTR	ICAL						EQUIPN	MENT /	AND SP	ECIAL SY	YSTEMS			
			FLOOR				PARTITI	ONS		CE	ILING			DOC	ORS			WINDO	NS	н	/AC		PL	UMBING			E	LECTRICAL	L			EQUIPM	ENT		В	BUILT-INS	Î	SPECIAL SYST	EMS	
	Carpet Wood	Concrete Polished or Stained	Sports Ceramic Tile	Quarry Tile	Resinous Resilient	CMU Gypsum Wallboard	Ceramic Tile	Glass Wall Markable Wall	Folding Wall	Exposed structure Acoustical Ceiling Tile	Gypsum Wallboard	Alumin / Storefront	Hollow Metal	Wood, plastic laminate	Roll-up, exterior- insulated	Roll-up, interior door/grille	Interior	None	Daylight Exposure	Exhaust to exterior	Fume Hood Indivdual Dust Collection	Sink	Natural Gas	Drinking fountain	Floor drain	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	Phone Sound System and Microhone	Specialty	NOTES
Space Allocation Specific to Program																																								
Storage		x x				х)	(X	12/	/16	x		х		x									3	1	1				1								
Computer Networking and Maintenance Lab		X			х	X X		х х		х				х		>			х							30	8	30	х		2	3	1					х		D,I,T
Computer Programming Lab		x			х	x x		x x		x				x		>			x							30	8	30	х		2	3	1					х		D,I,T
Agriculture Lab		х				х		х)	(12/	/16	х)	:		х	х		1)	(х	17	8	17	х	х	1	2	1					х		D,I,T
Health Science Learning Center (with handwash sink)		X			х х	X X	(x x		х				х)	:		х	X	x	7	х)	ίх	16		10	х		1	1	1		x x	(х	С	, D, F, I
Health Science Storage Room		X			х х	X X	(х				х)	:			х																				
Health Science Prep Room		X			х х	X X	(х				х)	:			X	x	1	х)	(X	4	1	1				1			X X	к х	х	х		
Health Chemical Storage		x			х х	х х	(х				х)				Х	х	1	х)	ίх	4	1	1				1			х х	х х	х	х		
Hospitality and Tourism Lab																																								
Culinary Arts/Hospitality		x			х х	х х	(х	9/	10	х)	x		х			Х	х	х	Х	18	24	24			Х				Х			х		I,Q,T
Culinary Arts Storage		x x				X X	()	(X	9/	10	х		х)	x	х								3	1	1				1								
Dining & Banquet Room/ Learning Center	x x	x x				x x	(х)	< X	9/	10	Х		х)	x		х							8	1	6												
Catering Storage		x x				х х	()	(X	9/	10	х		х)	x	х								3	1	1				1								
Laundry		X	>		x	x x	(х			х)	(х		х		1			х	1				х					—		х		х	Q
JROTC													-				-	+			-	+									-			_						
Learning Center A		X			х	х х	(X >	(X	9/	10		х)	:		х							8	3	6	х		2	3	1					хх		
Learning Center B		x			х	х х	(X >	< X	9/	10		х)	:		х							8	3	6	х		2	3	1					х х		
Cadet Small Group Collaboration	x				Х	x x	(х		х				х)			х							4	1	2	х		1	1						х х		
Arms / Weapons Storage		х			х	x x	(х				х				х																			2			
Uniform / Drill Team / Color Guard Storage		х)	< X				х				х								4											2			
Instructors' Center		x			х	x x	(х				х)	x		х							4	1	2			1	1						х		
Chair, table, target, storage		х)	(X				x				X								4											2			

FINISH, FENESTRATION & INFRASTRUCTURE MATRIX



										FINIS	IES														OPEN	INGS								HVA	AC, PL	UMBI	NG A	ND E	LECTR	RICAL								EQUI	PMEN	NT AN	ID SPE	CIALS	SYSTE	MS				1
				FLO	DOR							PAR	TITIONS					CEIL	ING				D	OORS				WIND	ows		ΗV	AC			PLU	JMBING	G				ELEC	CTRICA	L			EQ	UIPMEN	NT			B	UILT-IN:	s	Т	SPECIA	L SYSTE	EMS	1
	Carpet	poon	Concrete Polished or Stained	Concrete	sports	Ceramic Tile	Quarry Tile	Resinous	Resilient	CMU	Gypsum Wallboard	Ceramic Tile	Glass Wall	Markable Wall	Folding Wall	Evened Sterictive	Exposed Structure	Acoustical Ceiling Tile	Gypsum Wallboard	Ceiling Height Min/Max	Alumin / Storefront	Hollow Metal	Wood, plastic laminate	Roll-up, exterior-	insulated Roll-up, interior	door/grille View Lite	Interior	o uno v	Davljett Evnoeure				Dust Collection System	Sink	Natural Gas	Drinking fountain	Eye wash/Shower	Floor drain	Duplex		Quad	Data / Voice	Switching to Allow Multiple Light Levels	Specialty	ochare	Markerboard	Tackboard / Tackwall	Interactive Board	Projection Screen	Base Cabinets with	Counters Wall Cahinets	Tall Storado Cabinato	I all Storage Cabinets	Built-in Shelves	0	Sound System and Microhone	Specialty	
Visual Arts																																																										
/isual Arts Learning Center)						Х		Х		Х	X				х		10/12			Х			X			Х					2				Х	8		4	6	х			2	3	1		Х	Х			х	х			
Kiln Room)						Х		Х							х					Х			X		X	(>	(1					Х		х	х										х	
Ceramics Room)	(Х		х							х					Х			X		x	(>	(1		1					х	х										х	
Storage Room									Х		х							х					X			X		X																										х		-		

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							FI	NISHES				r					-	DPENING	s T					H	AC, PLUMB		ID ELECT								MENT /	AND SPECI				_
			1	FLOOR					PARTI	TIONS		c	EILING			D	OORS			WIN	bows		HVAC		PLUMBIN	G			ELECTRIC	AL .			EQUIPN	MENT		BUII	LT-INS	5	PECIAL SYSTEMS	_
	torac	Wood	Concrete Polished or Stained Concrete	Sports	Ceramic Tile	Quarry Tile Resinous	Resilient	CMU Gvbsum Wallboard		Glass Wall	Markable Wall Folding Wall	Exposed Structure	Gypsum Wallboard	Ceiling Height Min/Max	Alumin / Storefront	Hollow Metal Wood. plastic laminate	Roll-up, exterior- insulated	Roll-up, interior door/grille	View Lite	Interior	None Daylight Exposure	Exhaust to exterior	Fume Hood Dust Collection System	Sink	Natural Gas Drinkning fountain (dual height)	Drinking fountain	Floor drain	Duplex	Quad Data / Voice	Switching to Allow Multiple Light Levels	Specialty	Lockers	Markerboard	Tackboard / Tackwall Interactive Board	Projection Screen	Counters Wall Cabinets	Tall Storage Cabinets	Built-in Shelves	Phone Sound System and Microhone	NOTES
Performing Arts																																								
Instrumental Music Learning Center			Х				х	х х				X		18/22	>	(X			х	x	х				1		1	0 2	6	х		2	3	1				хх		E
Instument Storage			Х				Х	х х				X			>	(X			х		x			1			1	2	1			X 1	. 1					х		I
Uniform / General Storage			Х				Х	х х				X				Х			х		x						1	2	1			1	. 1					х		
Music Storage/ Library			Х				х	х х				X				X			х		x						1	2	1			1	. 1					Х		
Vocal Music Learning Center	х							х х				X		16/20	>	(X			х	x	х				1		(5 2	6	Х		1	. 3	1				х х		E
Uniform / General Storage			Х				х	хх				X				Х			х		x						1	2	1			1	. 1					х		
Music Storage / Library			Х				х	хх				X				Х			х		x						1	2	1			1	. 1					х		
Shared Workroom			Х				х	хх				X				X			х	х							(5 4	3	х		1	. 1					Х		
Shared Ensemble Room			Х				х	х х				X				X			х	х)	(X	Х	х		1	. 1					X		
Practice Room	х						х	х х				хх				Х			х)	(Х				1							
Drama Learning Center			Х				Х	х х				хх				X			х		x)	(X	Х			1	. 3	1				Х		
Black Box			х				х	хх				хх				X	x)	(х		х	1	. 1					X		
Auditorium	х)	x		Х	х х		х		хх	X		х	X			х		Х						1	ĸ		х	х				х		Х	>	:	R
Control Room			Х				Х	х х		х		хх			х	X			х								1	K X	Х			1	. 1			Х	Х	Х		
Stage		х						х х				х					Х	Х									1	K X	Х											J
Dressing Room			х				Х	хх				хх				X											3	<								Х		Х		
Prep./Costume Storage			х				Х	хх				хх				X																								
Storage			х				Х	хх				хх				X		X																						
Ticket / Concession			х				х	хх				x x				X		х						х)	(X	х			x	x			хх		x >	:	

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								FIN	IISHES											0	PENING	iS						HVAC	, PLUME	BING AN		CTRICAL						E	QUIPME	NT AN	D SPECIA		EMS			
				FL	LOOR						RTITIONS	s			CEILIN	G			D	OORS			WINE	DOWS		HVAC	T		PLUMBI		T			RICAL			EQU	IPMENT		\top	BUILT			SPECIAL SY	STEMS	-
	Carpet	Mood	Concrete	Polished or Stained Concrete	Sports	Ceramic Tite Quarry Tile	Resinous	Resilient	CMU	Gypsum Wallboard Ceramic tile		Markable Wall	Folding Wall	Exposed Structure		Gypsum Wallboard	Ceiling Height Min/Max	Hollow Metal	plast	Roll-up, exterior- insulated	Roll-up, interior door/grille	View Lite	Interior	None Daylighting	0	Exhaust to exterior Fume Hood	Dust Collection System	Sink Natural Gas	Drinkning fountain (dual height)	Drinking fountain	Floor drain	Duplex	Quad	Switching to Allow	Murtiple Light Levels Specialty	Lockers	Markerboard		Interactive Board Projection Screen	Base Cabinets with Counters	Wall Cabinets	Tall Storage Cabinets	Built-in Shelves	Phone Sound System and Mirrohome	Specialty	Notes
Physical Education / Athletics																																														
Physical Education / Athletics Lobby				Х				Х	Х	Х	X				Х			<				х		X	(2			8		1 X	Х			2						Х		D, R
Gymnasium		Х							Х	Х				Х			23	X	(х		X	(8	2	2 X	Х								2	Х		E,Q,R
Auxiliary Gymnasium		Х							Х	Х				Х			23	X	(х		X	(8	2	2 X	Х								2	Х		E,Q,R
Meeting Room				х				х	х	х					х	ę	9/10	(X	Х			Х	X	(8	*	* Х			2	3	1	*	*	*	*	х		
Weight/Fitness Room				Х				Х	Х	Х					Х	1	0/12		X			х	Х									4	1	1 X			1	2					2	Х		B,E,Q
Boys/Girls Athletic Locker Room				Х)	x	Х		Х	Х					Х				X				Х								Х	4	1	2		Х	1	2					1	Х		E
Boys/Girls P.E. Locker Rooms				Х)	x	Х		Х	Х					Х				X				Х								Х	4	1	2		Х	1	2					1	Х		E
Student Toilet / Showers				Х)	x	Х		Х	ХХ	(Х		X	()	X				Х			Х															
Adult Toilet / Shower / Locker				Х)	x	Х		Х	ХХ						Х		X	<)	x				Х			Х					Х										
Office B				Х				Х	Х	Х					Х				X			х	Х	X	(4	1 3	2 X			1	1					2	х		
Office (shared)				Х				Х	Х	Х					Х				X			х		X	(8	1 :	2 X			1	2					1	Х		
Training Room				Х)	x	Х		Х	Х					Х			X	<			х	Х					1			Х	8	1 :	2 X	Х		1	1		Х	Х		1	Х		E,Q
Laundry				Х)	x	Х		Х	Х					Х			X	<			х)			X		1			Х	1			X								Х		Х	Q
P.E. Equipment Storage				Х				Х	Х	Х					Х			X	<			х)	X								1														
Athletic Equipment Storage				Х				Х	Х	Х					Х			X	(х)	X								1														

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FINISH, FENESTRATION & INFRASTRUCTURE MATRIX





					F	INISHES	s								0	PENING	is					н	AC, PLUM	BING AN	D ELEC	TRICAL						EQUIP	MENT AND	SPECIAL	SYSTEMS	,		
			FLOOR				PAR	TITIONS			CEI	LING			DOORS			WIN	DOWS	н	/AC		PLUMB	ING			ELECTRIC	AL			EQUIPMEN	NT		BUILT-IN:	.s	SPECIAL SYS	YSTEMS	
	Carpet Wood	Concrete Polished or Stained Concrete	Sports Ceramic Tile	Quarry Tile Resionous	Resilient	cmu	Gypsum Wallboard Ceramic Tile	Glass Wall	Markable Wall	Folding wall Exposed Structure	Acoustical Ceiling Tile	Gypsum Wallboard Ceiling Height Min/Max		Hollow Metal	Wood, plastic laminate Roll-up, exterior- insulated	Roll-up, interior door/grille	View Lite	Interior	None Daylighting	Exhaust to exterior	Fume Hood Dust Collection System		Natural Gas Drinking fountain	é	Floor drain	Duplex Quad	Data / Voice	Switching to Allow Multiple Light Levels	Specialty	Lockers Markerboard	Tackboard / Tackwall	Interactive Board	Projection Screen Base Cabinets with Counters		Tall Storage Cabinets Built-in Shelves	Phone Sound System and Microhone	Microhone Specialty	NOTES
Administration / Guidance																																						
Administration													Т									1			Т													
Main Reception	x	X			х	х	х	X			Х		Х				х	х	Х							7 2	4	x			Х					х		A, D
Office A	x					х	х				Х				X		х		X							4 1	2	x		1	1					x		
Office C (Principal)	x					х	х				х				X		х		X							6 2	4	x		1	1					x		D
Office B (A.P.)	x					х	х				Х				х		х		Х							4 1	2	X		1	1					х		
A.P. Reception / Waiting	x					х	х	х			Х		Х				х		Х							4 1	2	х			1					х		
Main Conference Room	x					х	х	х	х		Х		Х				х		Х							6 2	4	х		1	1					х		D
Small Conference Room	x					х	х	х	х		Х		Х				х		Х							4 1	2	х		1	1					х		D
Storage		X			х	х	х				Х				x		х		x							1	1											
Office A (Security)	х					х	х				Х				x		х		X							4 1	2	х		1	1					х		
Health Clinic																																						
Waiting		X			Х	х	х				Х		Х		х		х	х	Х							4 1	2				1					х		
Health Clinic		X			х	х	х				Х				x		х	x	X			1		Х		6 1	2	х		1	1		х	х		х		К
Office A		X			х	х	х				Х				x		х	x	X							4 1	2	х		1	1					х		
Restroom			X	X		х	х х					х			х				x			1			1	1												
Guidance / Student Services																																						
Reception / Guidance	x					х	х	x			х		х				х		x							4 2	4				1					х		
Office B (Counselor/Attendance/Registrar)	x					х	х				х				х		х		Х							4 1	2	х		1	1					х		
Conference Room, Small	x					х	х	х	х		х		х				х		Х							4 1	2	х		1	1					х		
Records / File Room		x			Х	х	х				х				х		х		x							1	1			1	1				х	х		
Workroom / Break Room	x	X			х	х	х				х				x		х		х			1			х	8 2	4	x	(1	1		х	х	х	х		Q
Mail Room		X			х	х	х				х						х		х						х	2	1				1					х		
Shared																																						
Professional Development / Data Center	x	Х			Х	х	х		х		Х				х		Х		Х							6 2	4			1	2					х		D
Teacher Work Center	x	х			Х	х	Х		Х		Х				х		Х	Х	Х			Х				х х	Х	Х		1	1		х	х		х		
Office B (Itinerant)	x					х	Х				Х				х		Х		Х							6 2	4	Х		1	1					х		
Multi-use / Community Room	x	x			х	х	x	x	x		X	9/1	o X				х		X							8 4	8	x		2	3	1				х		

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FINISH, FENETRATION & INFRASTRUCTURE MATRIX



								FINIS	HFS											OPENIN	65			-			ну		UMBING		FLECTE							FOU	PMENT		ΡΕΓΙΔΙ	SYSTEM	AS .			
				FLOOR					1125	PARTIT	IONE		- <u> </u>		ILING				DOORS			WIN	DOWS	+-	HVA	r	1	-	UMBING				ELECTRIC	-	-		EQUIPM				BUILT-II			ECIAL SYSTEM	45	
				FLOOR				_	-	PARIII	10143		_						DOOKS			Wild	DOWS	_	- NVA	-	<u> </u>	- 1				-			_		EQUIPINI			—	BUILT-II				/13	
	Carpet	Wood Concrete	Polished or Stained	Concrete Sports	Ceramic Tile	Quarry Tile	Resilient	Manufacturer's Panels		Ceramic Tile		Markable Wall Folding Wall	Exposed Structure		Gypsum Wallboard	Ceiling Height Min/Max	Alumin / Storefront	Hollow Metal	Wood, plastic laminate Roll-up, exterior- inculated	Roll-up, interior door/grille	View Lite	Interior	None Davlichting	Dayngrung 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	Speciality	Lockers	Tackboard / Tackwall	Interactive Board	Projection Screen	Base Cabinets with Counters	Wall Cabinets	Tall Storage Cabinets Built-in Shelves	Phone	Sound System and Microhone	Specialty	NOTES
Food Service																																														
Food Preparation																																														
Cooler						X	<	Х						Mfr			Mfr.																													
Freezer						X	κ	X						Mfr			Mfr.						х																							
Dry Storage						X	<		х					х				Х	х		х		x								х															
Kitchen Manager's Office						X	< X	(х	х	х			х				Х	х		х	x	x								2	2	2	х		>	х х						х			
Food Prep. / Cook Line		х				x	<			х				Х				х	х		х			х	x		х)	X as	require	d for e	equipt												
Laundry Area		x				X	<		х	х				х				х	х		х		х	х)	X 1			х												N,O
Custodial		х				x	<		х	х				Х				х	х		х		х	х			х)	X 1															N,O
Locker Room		х			х	x	<		х	х				Х				х	х				х	х			х)	X 1			х	>	x	х						х			
Restroom		X			х	X	<		х	х				х				Х	х				x		x				х)	X 1															
Serving Area		X				X	<		х	х				х				Х	х	х	х	х		x			х)	x x	x	1 per	r POS												
Student Dining																																														
Commons Area			Х				x	_	х			Х	x	Х	Х	16/20		х	х	х	х	х	X	<					х		12	2 4	4	х		>	х х						х			R
Storage		Х	х				X	(Х									Х	х			X	х								1												\perp			
Control Room		Х	Х				X	(х					х	Х			Х	х		х	х									4	3	4		x								\perp			
Stage		x					X		х					X				x	x												3	6	5		x				х				1			

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HISD EDUCATIONAL SPECIFICATION - EVAN E. WORTHING HIGH SCHOOL

								FIN	SHES											OP	ENINGS	5						HVAC, P	LUMBIN	NG AND E	LECTRI	CAL						EQUI	IPMEN'	T AND SP	ECIAL S	YSTEMS	6		
				FLOOP	R					PA	RTITIONS				CEILIN	G			DO	ORS			WIND	DWS		HVAC		P	LUMBING		Τ	E	LECTRICA	L			EQUIPN	IENT	,		BUILT-INS		SPECIA	AL SYSTEMS	
Custodial / Maintenance	Carpet	Mood	Concrete	Polished or Stained Concrete Sports	Ceramic Tile	Quarry Tile	Resinous	Resilient	CMU Gueren Wallhoard	Gypsun wandard Ceramic Tile	Glass Wall	Markable Wall	Folding Wall	Exposed Structure	Acoustical	Gypsum Board	Ceiling Height Min/Max Alumin / Storefront	Hollow Metal	Wood, plastic laminate	Roll-up, exterior- insulated	Roll-up, interior door/grille	View Lite	Interior None	Daylight Exposure	Exhaust to exterior	Fume Hood	Dust Collection System Sink	Natural Gas	Drinking fountain	Eye wash/Shower Floor drain	Duplex	Quad	8	Switching to Allow Multiple Light Levels	Specialty	Lockers	Markerboard Tackboard	Interactive Board	e.	Base Cabinets w/ Counters	wan capmets Tall Storage Cabinets	Built-In Shelves	Phone Sound Suctom and	Sound System and Microhone Specialty	•
Receiving Entry	I		Х						x						Х	16	/20	X		х		х								х х	4		1					1	<u>ا ا</u>				х		Т
Plant Engineer Office				х				Х	x >	<					Х			X				х	Х	Х							4	2	2	х			1 1								
ustodial / Maintenance Storage			х	х				Х	x >	<					Х			X				х	Х							Х	6		1				1 1								
upply Storage																																													
T Support				х				х	x >	<					х			X				х	Х	X							12	4	6			:	1 1								
Custodial Closets			х		X		x		x						х	x		X	X				х							X	1								1				1		T

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							ŀ	INISHE											OPENING	<u>در</u>					r	HVAC,			ID ELECT	RICAL							MENT A						
				FLOOR					PA	ARTITIONS			CI	EILING				DOORS			WIND	ows		HVAC			PLUMBIN	IG			ELECTRIC	CAL		E	QUIPMEN	NT		BL	JILT-INS		SPECIAL SY	STEMS	
	Carpet Wood	Concrete	Polished or Stained Concrete	Sports		Quarry Tile Resionous	Resilient	cMU	Gypsum Wallboard Ceramic Tile	Glass Wall	Markable Wall	Folding Wall Exposed Structure	Acoustical Ceiling Tile	Gypsum Wallboard	Ceiling Height Min/Max	Alumin / Storefront	1	, exte	Roll-up, interior door/grille	View Lite	Interior None	Daylighting	Exhaust to exterior	Fume Hood	Dust Collection System	Sink Natural Gas	Drinkning fountain	Drinking fountain	Floor drain	Duplex	Quad Data / Voice	Switching to Allow Multiple Light Levels Senscietty	Lockers	Markerboard	Tackboard / Tackwall	Interactive Board	Projection Screen Base Cabinets with	Counters Wall Cabinets	Tall Storage Cabinets	Built-in Shelves	Phone Sound System and	Micronone Specia Ity	NOTES
Building Support																																											
Corridors		х	x				X	х	х	Х		x x	X			x	x)	x	X	х	X	(X					x			x)	x				X						x x		
Student Restrooms		Х			х	Х		х	х	Х				X		N	o Dooi	rs							Х	Х			Х	x)	x x										х х		
Adult Restrooms		Х			х	Х		х	х	Х			X	X)	x							Х	Х			Х	X)	х х										х х		
Stair, Main / Open		Х	Х				х	х	х	Х		Х	X	X			х			х		X																					
Stair, Exit		Х	Х				Х	х				Х		Х			х			х		X																					
Mechanical Room		Х						х				х									X	(1	1 2												
Electrical Room		Х					Х	х	х			х									X	(1	1 2												
Building Data Room		Х					Х	х	х	Х		х									X	(
Elevator							х	х				Mf	t Stand	lard							X	(3
Elevator Machine Room		Х					Х	х				х	X				x)	x			х																				х х		

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