#### ARCHITECTURAL/ENGINEERING SERVICES STANTON ELEMENTARY SCHOOL PHASE 1 MODERNIZATION AND ADDITION

#### Solicitation #: DCAM-14-AE-0077

# Addendum No. 1 Issued: October 18, 2013

This Addendum Number 01 is issued by e-mail on October 18, 2013. Except as modified hereby, the Request for Proposals ("RFP") remains unmodified.

#### Item #1

Sign-In Sheet: The sign-in sheet from the preproposal conference is attached.

#### Item #2

**Addition:** The Addition will need to accommodate the requirements of the attached Educational Specifications and the projected increased enrollment. If the Department is able to issue any further guidance, it will be issued in a subsequent addendum.

#### Item #3

**Educational Specifications:** Attached to this Addendum are the Educational Specifications for Stanton Elementary School. Please note that the Educational Specifications are based on a student enrollment of  $\underline{630}$  students (not 600 as previously stated in the preproposal conference).

#### Item #4

**Concept Design:** Concept drawings for the annex are available for download at <u>https://leftwichlaw.box.com/shared/static/86vd0eyxo0ufvqt2y6n8.pdf</u>. Please note that these drawings were developed under the assumption that the building would need to serve <u>530</u> students (not 550 as previously stated in the preproposal conference).

#### Item #5

**Test Fit:** The results of a test fit of the main Stanton building and annex undertaken in April 2013 are available for download at <u>https://leftwichlaw.box.com/shared/static/g3qdo06qqgkurczpkh6a.pdf</u>. Please note that these documents were developed under the assumption that the building would need to serve <u>530</u> students (not 550 as previously stated in the preproposal conference).

#### Item #6

**Environmental Assessment:** A recent environmental assessment is available for download at <u>https://leftwichlaw.box.com/s/1cja9av9ky8bm0bipg9z</u>.

#### Item #7

**Revised Scope of Work:** Please note that the following items <u>will</u> be included (if necessary) as part of the Phase 1 Work to be performed prior to the beginning of the 2014/2015 school year: HVAC; WINDOWS; ELECTRICAL UPGRADE; PLUMBING; WIRING; FIRE & LIFE SAFETY; & CONNECTING THE ANNEX TO THE MAIN BUILDING.

#### Item #8

**Concept:** While the Department does not require that A/E perform a new test fit/feasibility study, the proposed concept design will need to accommodate the requirements of the attached Educational Specifications and the projected increased enrollment.

#### Item #9

Addition Schedule: The Department contemplates that construction of the Addition will begin in October 2014 and be completed in time for the beginning of the 2015/2016 school year.

#### Item #10

**Budget:** The \$10,280,000 budget published in the RFP does not include the cost of the construction for the Addition.

#### Item #11

**Annex Permit Set:** Permit Set drawings completed in July 2103 are available for download at <u>https://leftwichlaw.box.com/s/kck3mb7rb7f13zy0nyu4</u>. Please note that these drawings were used to construct the annex improvements in the summer of 2013.

#### Item #12

**Facility Conditions Assessment:** A facility conditions assessment completed in 2012 is available for download at <u>https://leftwichlaw.box.com/shared/static/d3r61s5tucmkmriim1qq.pdf</u>.

#### Item #13

**CAD** file: A CAD file prepared in 2012 is available for download at <u>https://leftwichlaw.box.com/s/w17w3c9jn8mcj0qgstn3</u>.

#### Item #14

<u>The bid date remains unchanged</u>. Proposals are due by <u>November 5, 2013 at 2:00 pm EDT</u>. Proposals that are hand-delivered should be delivered to the attention of: Danyel Riley, Contract Specialist, at Frank D. Reeves Center, 2000 14<sup>th</sup> Street, NW, 8<sup>th</sup> floor, Washington, DC 20009.

- End of Addendum No. 1 -

#### GOVERNMENT OF THE DISTRICT OF COLUMBIA DEPARTMENT OF GENERAL SERVICES



#### ARCHITECTURAL/ENGINEERING SERVICES STANTON ELEMENTARY SCHOOL PHASE 1 MODERNIZATION AND ADDITION

Solicitation #: DCAM-14-AE-0077

Preproposal Conference October 17, 2013 <u>Sign-in Sheet</u>

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# Educational Specifications for Stanton Elementary School Modernization 630 capacity

October 2013 Draft

August 2013



#### **District of Columbia Public Schools**

THE VISION: To Make the Washington, D.C. School System Exemplary

THE MISSION: To Make Dramatic Improvement In the Achievement of All Students Today In Preparation for Their World Tomorrow

> CORE BELIEFS: Children First Parents Are Our Partners Victory Is In the Classroom It Takes A Village to Raise A Child Leadership and Accountability Are the Keys to Our Success

# **School Improvement Team Members**



#### Introduction

This document articulates the requirements for a modernized pre-kindergarten through 5<sup>th</sup> grade school. It describes the current and planned educational programs and services, the community characteristics that may affect facilities planning, and the opportunities and challenges associated with the design and construction.

#### Scope

This project will be completed in several phases with the first phase to occur summer 2013. The phases will be as follows:

- Phase 1: Modernization of the 'annex' for an early childhood center (summer 2013)
- Phase 1A: Classroom modernization in the main building to also include art, music, support spaces, the corridors, bathrooms and entryway (Summer 2014)
- Phase 2: Modernization of the core spaces to include dining, media center, and administration areas (TBD)
- Phase 3: Renovation/replacement of all building systems not addressed in earlier phases

Phase 1 or 1A will include connecting the annex and the main building through a climatically controlled corridor. The architects will master plan all phases of the modernization.

This educational specification provides three resources for establishing the scope of this project: 1) general design advise and performance standards in five priority areas 2) guidelines to define finishes, technology, and fixed equipment and loose furniture

#### Program

Stanton Elementary is operated in partnership with DC Scholars, a public charter school. DC Scholars Stanton Elementary is a part of the Scholar Academies network of high-performing schools that use a focused, progressive educational approach designed specifically for students living in under-resourced communities and prepare them to succeed in the District's highest performing high schools. The model develops students into smart and dedicated scholars, determined to succeed on their PATH (Professional, Attentive, Thoughtful, and Hardworking) to academic achievement.

Stanton is one of a handful of schools across the country that use a very focused, progressive educational approach designed specifically to close the achievement gap for low-income students who come severely unprepared. This approach includes:

- Extended day and extended year so that students spend more time in school.
- Standards-aligned, school-created curriculum combined with a uniform approach to lesson planning/delivery to consistently provide highly effective instruction.
- **Commitment to strong school-wide climate** that is centered on a transparent and strict student incentive and accountability system linked to the student core values (PATH).
- Use of data to measure overall school performance
- Engagement of families and community stakeholders to ensure strong connection to school and support of high expectations both in and out of school.
- Enriching after-school programs and after-school tutoring.



# **Overview of Planning Concepts**

#### Academic Cluster Concept

The Academic Cluster concept best meets the needs of the educational programs, students, and staff. The cluster concept facilitates a variety of instructional strategies and it provides a learning environment which is characterized by flexibility, a sense of community for the students and teachers, 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.

Academic areas are located in the quiet areas of the building that can be isolated during the off-hours. Noisier areas are grouped near the parking and public areas and allow for after hours access. Diagram Intro A shows a typical design based on the cluster concept.



**Diagram Intro A** 



#### **Core Instructional Spaces**

The basic organizational cluster for this school should consist of general purpose classrooms, a small group room, and a teacher work center. Each cluster would also contain a resource classroom used by support educators. Student restrooms should be located within the cluster commons.

#### **Special Education**

Special education facilities will be integrated throughout the school to support the concepts of inclusion and the specialized requirements for the students. Special attention will be given to accessibility of all facilities and an integrated learning program.

#### Early Childhood Programs

It is the DCPS policy to offer 'universal' Prekindergarten programs (4 yr. olds) and strongly encourage all DC students to attend. Preschool programs for 3 year olds are provided as well but are traditionally less well enrolled. All early childhood classes will allow for inclusion of students with special needs.

The school would like the nine (9) Preschool, Prekindergarten, and Kindergarten classrooms to be located in the annex along with affiliated support and storage spaces. Support spaces should be as follows:

- Two spaces for 1 adult and up to 10 students
- One space for 1 adult and 3-5 students
- 'Welcome center' with space for two adults
- Community Circle space with informal pull-out spaces
- Kitchenette for warming and cooling breakfast/lunch items

#### Instructional Methods

Instructional methods vary with grade level, but maintain continuity from early childhood through the primary, intermediate, and middle grades. Predominant elements include:

- Integrated learning, where content areas cross disciplines
- Flexible groupings: In primary grades, regrouping stays within the classroom. The intermediate and middle may change classrooms during the day.
- Mentoring of older to younger students
- Extended day learning opportunities
- Parent involvement and volunteer activities

#### "Welcome Area"/Administration/Student Services

Immediately upon entry, visitors will be greeted in the "welcome area." The administrative offices and guidance services will be located in this centralized area at the main entrance to the school.

The annex will need three types of entrances with appropriate security.

- 1. Morning and afternoon dismissal for students
- 2. Parent entrance (preferably through the welcome center to address security concerns)
- 3. Visitor entrance (preferably through the main school entrance and security guard)

The Phase 1 project should only address the lobby area for safety and security. All other administrative changes will be implemented as part of Phase 2.



#### Media Center

The DCPS media center serves a dual role – its traditional role as a gathering place for research and learning and a new role as a technological information base. In this new role, the media center may house a transparent voice/video/data network, which runs throughout the entire building. This network enables the transmission of media services to the desktops of teachers and students without physically entering the media center. This area is changing from a "depository of books" to a "high technology information distribution center."

Currently the school does not have a media specialist and this space serves as a staff development area during the day and for after school activities. No changes to this space are anticipated as part of Phase 1.

#### Visual Arts, Performing Arts and Science

The art and music classrooms will be shared by all grade levels for general class and small group instruction. The location and access to these rooms should promote orderly transitions.

#### **Physical Education**

To support the elementary school physical education program, a variety of indoor and outdoor areas are required. Outdoor physical education teaching areas will be located near the indoor gymnasium. Indoor play space will also be used as a performance area. Physical education facilities must be designed with a focus on community use during non-school hours, since there is a high demand for both indoor and outdoor facilities.

#### Community Use

It is assumed that the community will use the building for recreation, meetings and educational functions. Security during these times is important. The architect will note both active and passive security measures.



#### **Special Features**

#### **Corridors and Commons Spaces**

The front entry lobby should be welcoming and inviting for students, staff, and visitors. Extensive display systems should be provided for 2-dimensional and 3-dimensional student work and awards. Finishes should be durable and easy to maintain. The scale of all spaces should be child-friendly. Colors, artificial lighting, and natural daylighting should be managed artfully to create an environment that communicates that school is a very special place.

The annex should have a common space for up to 2 classes to meet. This may be part of the corridor and may have peripheral seating that meets fire code. Ideally the space will have a large pull-down screen and a ceiling hung LCD projector. The annex corridor may be part of the learning environment.

#### Furniture & Equipment

Classrooms vary in shape and size; therefore, the furniture should be flexible to accommodate a variety of classroom formats for both individual and group activities. Teachers and students should have storage space for personal belongings, papers, books, supplies, and teaching materials.

To the extent possible, movable furnishings will be used, rather than fixed casework, to provide flexibility for future reconfiguration.

#### Technology

The facility will contain the latest in technology and be wired for voice, data, and video throughout the building. It is intended that access to technology will be seamless and pervasive throughout the building.

Every classroom will be wired for teacher audio enhancement. Research into this cutting-edge technology suggests that student learning can improve in classrooms where the teacher's voice is amplified and the classroom acoustics are designed to support voice clarity.

#### Handicapped Accessibility

The entire facility will be accessible for students, staff, and visitors. This will be accomplished through judicious use of ramping and elevators with 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 wayfinding and signage, appropriate use of textures, and universal accessibility of all indoor and outdoor school facilities.

#### Site

The site circulation will be organized for safety and efficiency. This will be accomplished through careful separation of vehicular and pedestrian traffic.

All play areas will be protected from vehicular and pedestrian traffic, so students can be assured of a safe and secure environment on the entire school site.

To the extent feasible the early childhood wing should have a separate play area and an outdoor classroom.



#### **Environmental Performance Criteria**

Lighting Quality: Improving natural and artificial lighting in classrooms

	DESIGN PARAMETERS	PARAMETER NOTES
1) Controlled Natural Lighting (Glazing)	10 - 12% of floor S.F.	LEED & Green Globe
2) Artificial Light		
2) Artificial Light	35-50 Foot-candles	IES

<u>Environmental / Air Quality</u>: Addressing temperature control, ventilation, air filtration, carbon dioxide levels, and HVAC background noise to ensure comfortable rooms.

	DESIGN PARAMETERS	PARAMETER NOTES
1) Winter Temperature	68.5 to 75.5 degrees	EPA 2000 & ASHRAE 55-04
Summer Temperature	74 to 80 degrees	
2) Humidity	30 % to 60% relative humidity	EPA 2000 & ASHRAE 55-04
3) Air Changes	6-10 per hour	ASHRAE
4) Outdoor Air Ventilation	10CFM per person	Plus 0.12 per SF of area
5) Air Filtration	MERV 13	LEED
	MERV 6 to 8	ASHRAE 52.2-2007 &
		62.1-2007
6) Carbon Dioxide Levels	Below 700 PPM above	ASHRAE 62.1-2007
	outdoor air	
7) HVAC Background Noise Level	RC(N) Mark II level of 37	ASHRAE Handbook
		Chapter 47

Acoustics: Limiting reverberation and background noise and improving sound isolation.

	DESIGN PARAMETERS	PARAMETER NOTES
1) Reverberation	.6 per second	(ANSI S12.60-2002)
2) Background Noise	45 dBA	(LEED)
3) Sound Isolation (Varies)	STC 45 between Classrooms	



<u>Technology</u>: Providing data connections for online learning resources, AV equipment, closed-circuit televisions, and a sound system with emergency capabilities.

	DESIGN PARAMETERS PARAMETER NOTES	
1) Data / Computer Drops		At Teacher and Student Computers at wireless access points for mobile cart
2)	Audio / Video Equipment	
	Teacher laptop and student co	mputers
	Document Camera	
	Interactive Whiteboard	
	Sound Reinforcement	Amplifier, microphone, speakers
3)	Clock	Synchronized with Bell system
4)	Sound System & Emergency Ca	all-box
	Ceiling or Wall Speaker	Class change bells, emergency announcements
5)	CCTV Camera	
	Security, WebX conferencing,	Distance Learning



# Safety & Security

DCPS wants to maintain an inviting and de-institutionalized environment, while simultaneously providing a safe environment for students, staff, and community who use the facility and adjacent support services. The organization of a building will have a major impact on student behavior and safety concerns. Building security can be addressed in an active or a passive manner: active security is based on security systems; passive security is based on program design, building configuration, and community participation. Schools should be based on passive concepts with applied active concepts where necessary.

### 1. Building Layout

- Avoid blind spots, corners, and cubby holes
- Locate administrative and teacher preparation with good visual contact of major circulation areas (i.e., corridors, cafeteria, bus drop-off, parking)
- Develop spatial relationships that naturally transition from one location to another
- Locate toilets in close proximity to classrooms
- Design toilets to balance the need for privacy with the ability to supervise
- Locate areas likely to have significant community (after school) use close to parking and where these areas can be closed off from the rest of the building

#### 2. Types of Building Materials

- Use durable wall surfaces that are easy to clean so graffiti can be removed
- Incorporate pitched roofs which inhibit roof entry and are aesthetically pleasing
- Operational part of windows on the ground floor should be in the upper portion to prevent access.
- Install non-slip floors and walk-off mats at point of entry
- All doors will have locks on the inside.

#### 3. Uses of Technology

- Phones in every instructional and support area
- Building-wide all-call designed to be heard throughout the school and on the play fields when needed
- Motion or infra-red detectors, which can also conserve lighting costs
- Video cameras that are used for instructional purposes could also be used for security purposes during non-school hours
- Smoke and heat detectors located throughout the building

#### 4. Vehicular and Pedestrian Traffic

- Separate bus drop-off area from other vehicular traffic
- Separate staff and community parking area
- Separate student (pedestrian) traffic flow

# 5. Landscaping, Play/Practice Fields, Site, and Lighting

- Use native high trees and low bushes (less than three feet high) to deter hiding
- Use aesthetically pleasing fencing around perimeter of the building
- Non-intrusive lighting of all areas (not correctional-type lighting) according to the Light Pollution Credit in LEED-Ss with no lighting to leave property line
- Provide security lighting around building and parking lots with photocell timer, motion sensor and on/off capacity



# **Energy and Environmental Design**

There is a high interest in using the LEED certified school building as a teaching tool to teach environmental stewardship and awareness, while simultaneously providing an engaging environment for students, staff, and community who use the facility.

The organization, understanding and use of a building will have a major impact on student and staff conservation behavior.

The sustainable design and green features of the building can be addressed in an active or a passive manner: active interaction is based on digital displays, educational features and curriculum integrated learning about environmental issues; passive interaction is based on the program design, building configuration, green building features, and energy efficient building automation.

# **Passive Concepts**

#### 1. Building Layout

- Concentrate daylight and views to the outside to areas of frequent human interaction (e.g. classrooms, cafeterias, media center, art rooms, music rooms) with passive solar design
- Avoid excessive window areas in corridors, lobbies, hallways with no gathering opportunities (design for less than 45% of wall area)
- Avoid skylights and use roof monitors with vertical glazing instead

### 2. Types of Building Materials

- Use durable wall surfaces that are easy to clean
- Design for cleanability with easy and safe access
- Incorporate light colored pitched roofs to prevent heat gain and leakage
- Install high performance walk-off mats at all points of entry
- Design with noise minimization in mind

#### 3. Uses of Technology

- For instructional and administrative purposes, the new school should have extensive technology systems. These same infrastructures and technology components can be used to enhance the perception of the buildings environmental components. Digital display of buildings energy and water use at entrance and in cafeteria
- Website with environmental features of the school
- Use only vacancy sensors for classrooms, cafeteria etc. to turn off (not on) lighting
- Daylight sensors and dimming in larger areas (cafeteria, multi-purpose etc.)

#### 4. Vehicular and Pedestrian Traffic

- Provide sufficient, covered and secures bicycle storage
- Provide bicycle lanes to building from all major access directions

#### 5. Landscaping, Play/Practice Fields, Site, and Lighting

- Use native high trees and low bushes and ground covers and locate to provide shade to the building
- Non-intrusive lighting of all areas (not correctional-type lighting) according to the Light Pollution Credit in LEED-S with no lighting to leave property line

#### 6. Green Curriculum

- Provide outdoor classroom
- Design interior with sense of buildings orientation to North East South West August 2013



# **Active Concepts**

#### 1. Building Layout

- Provide signage to educate users about interior and exterior green building features throughout
- Provide signage for user behavior modification, e.g. DCPS policy for thermostat settings, reminders to turn equipment off when not in use
- Provide visitor map with floor plan for location and explanation of green building features

#### 2. Types of Building Materials

- Provide view window to inside of wall constructions and mechanical room
- Provide materials with environmental massage in selective areas, e.g. 100% recycled post consumer plastic toilet compartments, wheatboard cabinets, or furniture made of wood harvested from school site, and explain with signage.

#### 3. Uses of Technology

- For instructional and administrative purposes, the new school should have extensive technology systems. These same infrastructures and technology components can be used to enhance the perception of the buildings environmental components.
- · Green morning announcement with update on energy and water use
- Student conducted energy audits
- School based resource conservation program with frequent feedback to users

#### 4. Vehicular and Pedestrian Traffic

• Provide preferred parking for DCPS Green Fleet (for carpooling and fuel efficient vehicles)

#### 5. Landscaping, Play/Practice Fields, Site, and Lighting

- Design for no-mow areas
- Design for student garden
- Provide solar or wind powered, off the grid site lighting as demonstration model for select areas

#### 6. Green Curriculum

LEED credit Schools as a Teaching Tool requires 10 hours of instruction per student, grade and school year on environmental issues related to the school building. The school buildings design should support this requirement wherever possible.



# Proposed Capacity

Room Use			
Grade	Number of Classrooms	Capacity (Program)	Total
Pre-K /Pre-S	6	18	108
Kindergarten	4	20	80
1st Grade	4	20	80
2nd Grade	4	20	80
3rd Grade	4	23	72
4th Grade	3	23	69
5th Grade	3	23	69
Special Needs	2	10	20
Total	26		582



# **Building Space Summary**

	1
Phase 1	Total
33,700	33,700
As is	3,050
2,400	2,400
As is	3,900
As is	2,755
As is	4,900
As is	700
	17,341
	66,671
	5467
	72,138
	33,700 As is 2,400 As is As is As is

# **Outdoor Area Requirements Summary**

Exterior Spaces	
Structured Play Area For Primary/Intermediate Grades	
Protected Pre-School Play Area	
Outdoor Paved Play Area [reduced size basketball courts, with markings for other games]	
Outdoor Classroom Gazebo	
Green area for garden/environmental programs	
Faculty, Staff, and Visitor Parking (53 spaces)	



Spaces	Suggested			Comments
	Quantity	S.F.*	Total	
Pre-Kindergarten Classroom	6	1,175	7,050	Includes 50 SF toilet and 100 SF
				storage closet
Kindergarten Classroom	4	1,175	4,700	Includes 50 SF toilet and 100 SF
				storage closet
Grade 1 Classroom	4	900	3,600	One room w/ toilet
Grade 2 Classroom	4	900	3,600	
Grade 3 Classroom	4	900	3,600	
Grade 4 Classroom	3	900	2,700	
Grade 5 Classroom	3	900	2,700	
Pathways Classrooms	2	750	1,500	
Instructional Coaches	1	400	400	
Support Offices	2	150	300	Social worker/psychiatrist/testing
Speech Room/OT/PT	1	200	200	
Resource	2	400	800	Special needs and Parent
Annex Resource Rooms	2-3	200-300	700	
Special education Suite			0	
Office	1	150	150	
Conference rm.	1	150	150	
Storage	3	300	900	May be combined
Workroom/Teacher Office	2	250	500	
-Storage for laptop carts	3	50	150	
Total			33,700	

The architect will be expected to minimize the movement of 'hard' walls and fit the proposed programmed spaces into the existing building. Tolerances of + or -5-15% are acceptable as is the combination of spaces within a suite. Adjacencies as specified are desirable, but options may be considered and should be reviewed with the planning team.

The school wants to house all the early childhood classrooms and support space in the annex and understands that space is finite. To prioritize space, the staff recommends the following:

- Classrooms may vary from the design guideline by up to 15%
- The staff value support space over storage and are willing to share storage space
- Paired classrooms can share two bathrooms to maximize plumbing and classroom space.
- Kindergarten may share one set of bathrooms for the team.



#### PRE-K-S / KINDERGARTEN



#### CAPACITY:

- Teachers
- 16-20 students (PS/PK/K)
- Parents/other staff

#### SIZE:

• 1,175 SF

#### ANCILLARY SPACES:

- Restroom E-ACA-16 (50 SF)
- Storage closet (50-100 SF)

#### SPATIAL RELATIONSHIPS:

- Group classrooms for potential teaming
- Locate coat cubbies near door
- Locate at first floor for emergency
   evacuations, if possible

#### GOALS:

- To foster self-discipline, independence, and responsibility
- To help children develop positive concepts
   about themselves and their capabilities
- To encourage and develop independent thinking and good work habits
- To develop language as a tool of learning and as a means of communication
- To provide and develop fundamental academic, social, emotional, physical, and thinking skills

#### PROGRAM ACTIVITIES:

- Whole group
- Teacher directed
- Small group
- One-on–one instruction
- Cooperative learning
- Discovery
- Language Arts
- Inquiry

#### ENVIRONMENTAL CONSIDERATIONS:

- Windows to provide natural light and egress
- Adequate ventilation
- Electrical outlets for equipment
- Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35 Reverberation Time: .4-.6 seconds
- Uniform lighting
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Window treatment to darken room for AV Presentation

#### NOTES:

- 1. Loose furnishings and features shown represent one of many possible arrangements.
- 2. Locate sink at chase wall of restroom (or in close proximity)
- 3. Locate restroom chase as close to corridor as possible to minimize pipe runs
- 4. Where rooms are paired provide two lavatories with joint access (not including sink in casework).

•



### PRESCHOOL / PRE-K / KINDERGARTEN

#### E-ACA-1A

PRESCHOOL / PRE-K / KINDERGARTEN	E-ACA-1A
Finishes1Spec.Ref.#	Features <sup>1</sup> :     Spec.       Ref.#
Flooring: Rubber tile/Area Rugs 096519/096816 Base:	Fixed Equipment: Deep storage for poster board F2 Carpentry:
Resilient base 096519 Ceiling (9' high minimum):	Student cubbies (22/24) 064123 F3 Casework:
Suspended, acoustical 095113 Walls:	Wall shelving (over cubbies)123200F4Marker board (1 walls)101100
Painted concrete masonry units or dry wall One tackable wall surface 101100	10 LF primary F5 Tack board flanking marker board and on secondary teaching wall 101100
<ul> <li>Loose Furnishings:</li> <li>L1 20 stackable chairs, 4-5 tables</li> <li>L2 2 computer stations w/ chairs; 1 printer</li> <li>L4 Teacher work surface w/ mobile storage and 2 chairs</li> <li>L5 Four-drawer file cabinet</li> <li>L7 Bound carpet rug (oval), rug for block area, rug for reading area</li> </ul>	Plus two (2) parallel rows of continuous tack strips on all available walls (4 LF or longer) at 30" and 48" AFFF6Manual projection screen (60"X60")1152133F7Soap dispenserF8Towel dispenserF9Casework: Wardrobe (18"X18")123200
L8 Mobile shelving (various) L9 Bookshelves (open or closed)	Fire Suppression:Div. 21Fire suppression system
L11 Learning center sets such as sand/water tables, kitchen, child-height dining, dress-up center, art cart, science light board, and blocks. <u>Communications</u> : Div. 27 Single point 'face plate' near teachers work station to include: Voice, data, VGA , audio enhancement, and HDMI	Plumbing: Div. 22 Double sink at two heights w/ drinking fountain at child height w/ deep well at adult height Plumbing connections Wall-mounted watercloset Wall-mounted lavatory
Additional ports: Printer Cable/MATV port 3 data ports for student use Electronic white board Clock/PA	HVAC: Div. 23 Supply/return air system Independent temperature control Exhaust air system (toilet)
2 wireless <u>Miscellaneous</u> : M1 Printer M2 Projection device (optional) Div. 27 M3 2 computers for students use M4 Computer for teachers use Audio enhancement equipment	Electrical: Div. 26 Duplex receptacles 3 per primary teaching wall At least 2 per other walls TVSS protected quad receptacle adjacent to each data and video port Multilevel switching Fluorescent lighting Illumination level: See Table 7600-16

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.
 Items listed as casework may be purchased as furniture.



¢10)

SIZE:

CAPACITY:

1 teacher

Staff members

CORRIDOR

850 SF to 950 SF

20-22 students (1st - 3<sup>rd</sup>) 22-24 students  $(4^{th} - 5^{th})$ 

Guest speakers/volunteers

#### GOVERNMENT OF THE DISTRICT OF COLUMBIA DEPARTMENT OF GENERAL SERVICES

GOAL:

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#### **GRADES 1-5 CLASSROOM /Pathways Rms**



• Testing

#### SPATIAL RELATIONSHIPS:

- Near main Corridor •
- Near Media Center •
- Near Workroom/Teacher Office •
- Group classrooms for potential teaming •
- Locate cubbies near student work area •
- Locate coat cubbies near door •

#### **ENVIRONMENTAL CONSIDERATIONS:**

- Uniform lighting •
  - Windows to provide natural light and egress
- Environmental sound control: è Wall minimum: STC 45 Ceiling minimum: CAC 35
  - Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment •
- Adequate ventilation .
- Proportion classroom for effective viewing • and listening from all areas of the classroom
- Window treatment to darken room for AV presentations

#### NOTES:

- 1. Lose furnishings and features shown represent one of many possible arrangements.
- 2. Items listed as casework may be purchased as furniture.
- 3. Classroom layouts should be opposite hand allowing sinks to be back to back.



#### **GRADES 1-5 CLASSROOM**

# E-ACA-2

GRADES 1-3 CLASSROOM		E-ACA-2
	Spec.	Spec.
<u>Finishes<sup>1</sup></u> :	Ref.#	Features <sup>1</sup> : Ref.#
Flooring:	<u>1(0)</u>	Fixed Equipment:
	000540	Fixed Equipment.
Resilient tile flooring	096519	F1 Casework: 123200
		Base/wall cabinets by sink
Base:		Sturdy shelves on 3 walls in storage area
Resilient base	096519	
		Student cubbies (24/28) 064123
Ceiling (9' high minimum):		
	005440	
Suspended, acoustical	095113	Wall shelving (24 LF- H 30-32")123200
		F4 Marker board (2 walls) 101100
Walls:		16 LF primary/8 LF secondary
Painted concrete masonry units	or dry	
wall	,	F5 Tack board flanking marker boards 101100
	0/099123	Plus two (2) parallel rows of continuous
One tackable wall surface	101100	
One lackable wall sufface	101100	longer) at 30" and 48" AFF
Loose Furnishings:		F6 Manual projection screen (60"X60")115213 <sup>2</sup>
L1 5 tables or 24 student desks (see	Furniture	F7 Soap dispenser 102800
Standards)		F8 Towel dispenser 102800
L2 3-5 computer workstations and ch	nairs –	F9 Casework: Wardrobe (18"X18") 123200
student use	lane	
		Fire Oursestation
L3 Bound carpet rug (thru Grade 2)		Fire Suppression: Div. 21
L4 Teacher workstation with mobile storage		Fire suppression system
and 2 chairs		
L5 Four drawer file cabinet		Plumbing: Div. 22
L6 Adjustable height bookshelves		Sink with drinking fountain (optional)
L7 Printer table		
L9 24 student chairs		Plumbing connections
		<u>HVAC</u> : Div. 23
		Supply/return air system
Communications:	Div. 27	Independent temperature control
Single point 'face plate' near teachers	work	Electrical: Div. 26
station to include:		Duplex receptacles
Voice, data, VGA , audio enhance	rement	
and HDMI	content,	3 per primary teaching wall
		2 per other walls
Additional ports:		TVSS protected quad receptacle
Printer		adjacent to each data and
Cable/MATV port		video port
·		Multilevel switching
5 data ports for student use		Fluorescent lighting
Electronic white board		Illumination level: See Table 7600-16
Clock/PA		
		Clock
2 wireless		Central sound system
Electronic Safety and Security:	Div. 28	3 Miscellaneous Div. 27
Life safety devices per code		M1 Multi-media cart
Life safety devices per code		M2 Printer
		M3 3-5 computers for student use
		M4 Laptop computer for teacher use
		Audio enhancement Equipment
		Document camera

<u>NOTES:</u>1. Finishes/Features: Refer to Chapter 8 for specification references.2. Delete where a digital white board is installed.



#### **RESOURCE CLASSROOM/INSTRUCTIONAL COACH**



NOTES:

•

- 1. Loose furnishings and features shown represent one of many possible arrangements.
- 2. Orientation of Resource Classroom shall be determined as a result of layout of adjacent classrooms
- 3. Sink shall be located with close proximity to corridor.

E-ACA-4



#### **RESOURCE CLASSROOM**

### E-ACA-4

RESOURCE CLASSROOM		E-ACA-4
<u>Finishes<sup>1</sup>:</u> Flooring: Rubber tile	Spec. <u>Ref.#</u> 096519	Features1:Spec.Fixed Equipment:Ref.#F1Casework:123200
Base: Resilient base	096519	Base/wall cabinets and shelving Paper storage cabinetsF3Marker board (8 LF)101100F4Tack board (8 LF minimum)101100
Ceiling (9' high minimum): Suspended, acoustical	095113	F5Manual projection screen115213F6Soap dispenser102800F7Towel dispenser102800
Walls: Painted concrete masonry units c 0420	or dry wall 00/099123	F8Casework: Wardrobe123200Fire Suppression:Div. 21
Loose Furnishings: L1 8-10 student desks or 2-3 student L2 3 computer workstations and chain L3 Teacher workstation and chain L4 Four-drawer file cabinet L5 Mobile shelving L6 Adjustable height bookshelves (2) Communications:	airs 20 LF) Div. 27	Fire suppression system          Plumbing: Div. 22         Plumbing connections (optional)         Sink with drinking fountain <u>HVAC</u> :       Div. 23         Supply/return air system         Independent temperature         Control
Single point 'face plate' near teachers station to include: Voice, data, VGA , audio enhan and HDMI Additional ports: Printer Cable/MATV port 3 data ports for student use Electronic white board Clock/PA 1 wireless		Electrical: Div. 26 Duplex receptacles 3 per primary teaching wall 2 per other walls TVSS protected quad receptacle adjacent to each data and video port Fluorescent lighting Illumination level: See Table 7600-16 Multilevel switching Clock Central sound system
Miscellaneous: M2 Printer M3 3 computers for student use M4 Computer for teacher use		Electronic Safety and Security: Div. 28 Life safety devices per code

#### NOTES:

- 1. Finishes/Features: Refer to Chapter 8 for specification references.
- 2. Refer to Educational Specifications Technology, Section 1240.
- 3. Items listed as casework may be purchased as furniture.



#### ALL OFFICES



#### GOAL:

 To serve as a space from which support staff can provide a variety of services to students and their families

#### **PROGRAM ACTIVITIES:**

- Group and individual counseling
- Student assessment

#### SPATIAL RELATIONSHIPS:

Near Academic Core areas

#### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35
- Windows to provide natural light if on outside wall, if possible

#### CAPACITY:

- Counselors/social workers/Sped Coordinators
- Students and parents
- Staff

### SIZE:

NOTES:

• 150 SF

1. Loose furnishings and features shown represent one of many possible arrangements.

2. An internal window (with blinds) may be provided in lieu of sidelight.


# ALL OFFICES

ALL OFFICES		E-ACA-5	
<u>Finishes<sup>1</sup>:</u> Flooring: Linoleum	Spec. <u>Ref.#</u> 096516	<u>Features<sup>1</sup>:</u> Fixed Equipment: N/A	Spec. <u>Ref.#</u>
Base: Resilient base	096519	Fire Suppression: Fire suppression system	Div. 21
Ceiling: Suspended, acoustical	095113	Plumbing: N/A	
Loose Furnishings: L1 Admin workstation and chair	/ 099123	HVAC: Supply/return air system Independent temperature control	Div. 23
<ul> <li>L2 Visitor chair</li> <li>L3 Small table (optional)</li> <li>L4 Four-drawer file cabinet</li> <li>L5 Adjustable height bookshelves (</li> </ul>	(12 LF)	Electrical: Duplex receptacles TVSS protected quad receptacle adjacent to each data port Single-level switching	Div. 26
		Fluorescent lighting Illumination level: See Table 760 Clock Central sound system	00-16
		Communications: T1 Data port near workstation T2 Voice port and phone T3 Data port for printer	Div. 27
		Electronic Safety and Security: Life safety devices per code	Div. 28
		<u>Miscellaneous</u> : M1 Computer M2 Printer	
NOTES:		l	

# NOTES:

- Finishes/Features: Refer to Chapter 8 for specification references.
   Refer to the Educational Specifications Technology Section 1240.



### SPEECH ROOM



To provide private training for students

**PROGRAM ACTIVITIES:** 

- Group and individual practice
- Student assessment

### SPATIAL RELATIONSHIPS:

- Near Academic Core areas
- Near Special Needs Classroom

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35

CAPACITY:

- 1-3 students
- 1-2 staff

SIZE:

• 200 SF

ANCILLARY SPACES: N/A

### NOTES:

- 1. Loose furnishings and features shown represent one of many possible arrangements.
- 2. An internal window (with blinds) may be provided in lieu of sidelight.



# SPEECH ROOM

SPEECH ROOM				E-ACA-6
<u>Finishes<sup>1</sup></u> :	Spec. <u>Ref.#</u>	Featu		Spec. <u>Ref.#</u>
Flooring: Carpet	096816	Fixed F1 F2	Equipment: Marker board (4 LF) Tack board (4 LF)	101100 101100
Base: Resilient base	096519	F3 F4	24" x 60" Mirror1 Casework:	088000
Ceiling: Suspended, acoustical	095113	F5 F6	Base/wall cabinet Soap dispenser Towel dispenser	123200 102800 102800
Walls: Painted gypsum wallboard over metal studs 092116	/ 099123		<u>suppression</u> : re suppression system	Div. 21
Loose Furnishings:L1Admin workstation and chairL2Visitor chairs	1099123		<u>bing</u> : nk with drinking fountain (optior umbing connections	Div. 22 nal)
L3 Small table L4 Four-drawer file cabinet L5 Adjustable height bookshelves	(12 LF)		<u>2:</u> upply/return air system dependent temperature control	Div. 23
Communications: Single point 'face plate' near teachers v station to include: Voice, data, VGA , audio enhance and HDMI Additional ports:		T` Si	ical: uplex receptacles VSS protected quad receptacle adjacent to each data port ngle-level switching uorescent lighting	Div. 26
Printer data port for student use Clock/PA 1 wireless		С	Illumination level: See Table lock entral sound system	7600-16
			onic Safety and Security: fe safety devices per code	Div. 28
		<u>Misce</u> M1 M2	<u>Ilaneous</u> : Computers Printer	
NOTES:				

NOTES: 1. Finishes/Features: Refer to Chapter 8 for specification references.



# WORKROOM/TEACHER OFFICE

WORKROOM/TEACHER OFFICE	E-ACA-12
	<ul> <li>SPATIAL RELATIONSHIPS:</li> <li>Near Academic Core classrooms</li> <li>This area may be divided among the different floor levels</li> <li>Access to Staff Restroom(s) from within Workroom/Teacher Office</li> </ul>
	<ul> <li>ENVIRONMENTAL CONSIDERATIONS:</li> <li>Uniform lighting</li> <li>Environmental sound control: Wall minimum: STC 45 Ceiling minimum: CAC 35</li> <li>Adequate ventilation</li> <li>Electrical outlets for equipment</li> <li>Window to provide natural light, desirable</li> </ul>
STORAGE   RESTROOM       (F2)	Finishes <sup>1</sup> : <u>Ref.#</u>
	Flooring: Rubber tile flooring 096519
	Base: Resilient base 096519 Ceiling:
2' 8'	Suspended, acoustical 095113
CAPACITY:	Walls:
Teachers	Painted concrete masonry units
Teachers' assistants	042000/099123
Parents/volunteers	Loose Furnishings: L1 Table
	L2 Computer workstation furniture
ANCILLARY SPACES: • Staff Restroom	L3 6 chairs
<ul><li>Storage</li></ul>	L5 Printer table
	Wastebasket
GOALS:	Communications <sup>2</sup> : Div. 27
<ul> <li>To provide a space where adults can meet for committee work</li> </ul>	T1 Video port, monitor,
<ul> <li>To provide a space where teachers can</li> </ul>	and brackets
perform administrative work	T2 Voice port and phone
To provide a space for storage of	<ul><li>T3 Data port near workstation</li><li>T4 Data port at printer</li></ul>
grade-level materials	
PROGRAM ACTIVITIES:	Spec.
Team staff meetings	Features <sup>1</sup> : Ref.#
Lesson planning and grading	Fixed Equipment: F1 Casework: 123200
Scheduling appointments	Base cabinets (sink)
<ul><li>Record keeping</li><li>Develop and review teacher materials</li></ul>	Wall cabinets/shelving
	F2 Tack board (4 LF) 101100
Miscellaneous:	F3 Casework: 123200
M1 Computer	Deep storage for poster boardF4Towel dispenser102800
M2 Printer	F5 Soap dispenser 102800



# VISUAL AND PERFORMING ARTS

Spaces	Suggested			Comments
	Qty.	<b>S.F.</b>	Total	
Visual Arts Lab	1	1,000	1,000	
Kiln Room	1	100	100	
Storage	1	150	150	
General Music Room w/ storage	1	1150	1150	
Total			2,400	

**Comments** : The overall total for the Instructional area may be + or – 15%.

### VISUAL ARTS SPATIAL RELATIONSHIPS









### **ART STORAGE**



### GOAL:

•

 To provide lockable storage for art supplies, portable equipment, technology, peripherals, and materials

### **PROGRAM ACTIVITIES:**

• Storage of equipment and supplies

### SPATIAL RELATIONSHIPS:

- Direct access to Art Lab
  - Visual access from Art Lab

### ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets for equipment

### CAPACITY:

• 1 teacher

### SIZE:

• 150 SF

### ANCILLARY SPACES:

• Art Lab (E-VA-1)



### **KILN ROOM**

ART LAB

### GOALS:

Ľ1)

- To provide an area properly equipped for ceramics
- To provide a space to fire and store completed art work

### **PROGRAM ACTIVITIES:**

- Store 3D sculptural work
- House kiln equipment

### SPATIAL RELATIONSHIPS:

• Adjacent and access to Art Lab

### ENVIRONMENTAL CONSIDERATIONS:

- Ventilation controlled by a thermostat
- Adequate ventilation with vents to the outside for kiln
- Electrical outlets for equipment
- Lighting appropriate to task
- Consider safety in plumbing room layout



### CAPACITY:

• 1-2 persons

### SIZE:

• 100 SF

### ANCILLARY SPACES:

• Art Lab (E-VA-1)



### **GENERAL MUSIC ROOM**





# Appendix A

### MEDIA CENTER/Staff Development

Spaces	Qty.	<b>S.F.</b>	Total	Comments
Reading/Learning/Circulation	1	1,450	1,450	
Computer Project Lab	1	850	850	
Media Production	1	400	400	May be incorporated into the reading
				room
Office/Workroom/storage	1	250	250	
Telecom Head End Room	1	100	100	
Total			3,050	

**Comments:** Spaces within the Media suite may vary up to 15% and may be combined to facilitate circulation and supervision. The overall square footage may be + or -15%.





# PHYSICAL EDUCATION (auditorium)

Spaces	Qty.	S.F.	Total	Comments
Multi-Purpose PE/Auditorium	1	3,000	3,000	
Office	1	100	100	
Storage	1	250	250	
Stage	1	550	550	As is
Total			3,900	

### Comments:





## **ADMINISTRATION**

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Welcome Center	1	300	300	Welcoming Area, Work area for Administrative Asst. & Business Manager
Annex welcome area	1	200	200	
Security Area w/ locking storage	1	75	75	May be in front entryway or incorporated into Welcome Center.
Conference Room*	1	200	200	
Principal's Office	1	180	180	Including toilet
Office (AP, etc.)	1	120	120	
Administrative Workroom	1	150	150	
Mailroom	1	75	75	
Records Room*	1	100		Needs to be a secure space.
Parent Resource Center*	1	200	200	Near the front door.
Toilet	1	50	50	
Student Services Suite				
Counselor	1	150	150	
Health Suite				
Office/Waiting	1	100	100	
Treatment Area	1	80	80	
Cots	1	100	100	
Storage	1	25	25	
Toilet	1	50	50	
Before/After School Office/Storage*	1	250	250	
Staff Lounge *	1	350	350	Includes staff toilet with shower. Could be divided among floors.
Total			2,755	

**Comments:** The overall total for the administration area may be + or -15%. Some areas may be combined to facilitate circulation. Some areas (\*) may be located outside of the suite to make the best use of the existing building.







# Dinning and Food Services

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Student Dining Area/Multi- purpose (w/ serving line)	1	3200	3200	As is
Chair and Table Storage	1	200	200	
Kitchen Suite	1	1500	1500	
Total			4900	

**Comments:** The overall total for the Dining and Food Services area may be + or -15%.





# ENGINEERING AND CUSTODIAN

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Supply Storage / Receiving	1	350	350	
Toilet/Shower	2	100	200	
Custodial/Engineer Office	1	150	150	
Total			700	

**Comments:** The overall total for the Engineering and Maintenance area may be + or -5%.

