

BALTIMORE CITY PUBLIC SCHOOLS EDUCATIONAL SPECIFICATIONS

PART 3: SITE SPECIFIC EDUCATIONAL SPECIFICATIONS

COMMODORE JOHN RODGERS ELEMENTARY/MIDDLE SCHOOL #27

JULY 2018



PREPARED BY: CITY SCHOOLS STAFF

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PART 3

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Part 2: Prototype Specific Requirements (under separate cover)

Volume I PK to 5 Prototype

Volume II PK to 8 Prototype

Volume III 6 to 12 Prototype

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SITE SPECIFIC EDUCATIONAL SPECIFICATIONS

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A. PROJECT SUMMARY

A. PROJECT SUMMARY

A.1 Project Justification:

Commodore John Rodgers EM currently serves children in grades PK-8 and is located in Southeast Baltimore. Wolfe Street E is the one school that feeds their 5th graders into the middle program at Commodore John Rodgers EM. The existing Commodore John Rodgers #27 building has a Facility Condition Index (FCI) of 35.7% and an Education Adequacy Score (EAS) of 54.6. The original Jacobs recommendation was to renovate Commodore John Rodgers as part of Year 7. When the Canton Building was pulled from Phase 1 (Year 1 + Year 2), Commodore John Rodgers EM #27 and Highlandtown EM #237 were moved up as addition-only projects. Therefore these projects only look at additions and are not intended to look at the building comprehensively, and are instead to address over-crowding. The only exception is that architects were asked to identify systems that are at/near the end of their life cycle. Both of these schools are well beyond 100% utilization, and are located in an area of the city that has seen the most growth and over-crowding. These southeast sites were chosen since they were the only ones with available real estate.

The project will start construction October 2019, and is planned to be complete by December 2020. In SY 2020-21, the anticipated state rated capacity of the building will be 1,044, and its target utilization rate will be 90%. The addition is intended to house 6th-8th grades.

A.2 Project Description:

The current Commodore John Rodgers #27 building was built in 1971 at 110,776 square feet. This is an addition-only project. Since the educational specification has mandatory spaces, and additional spaces (if feasible), two square footages are being provided.

Base Project - 30,030 sf

Base Project + Add Alternates - 49,084 sf

For the development of the site specific educational specification a modified PK-8 prototype was used for the standard.

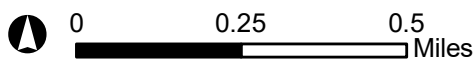
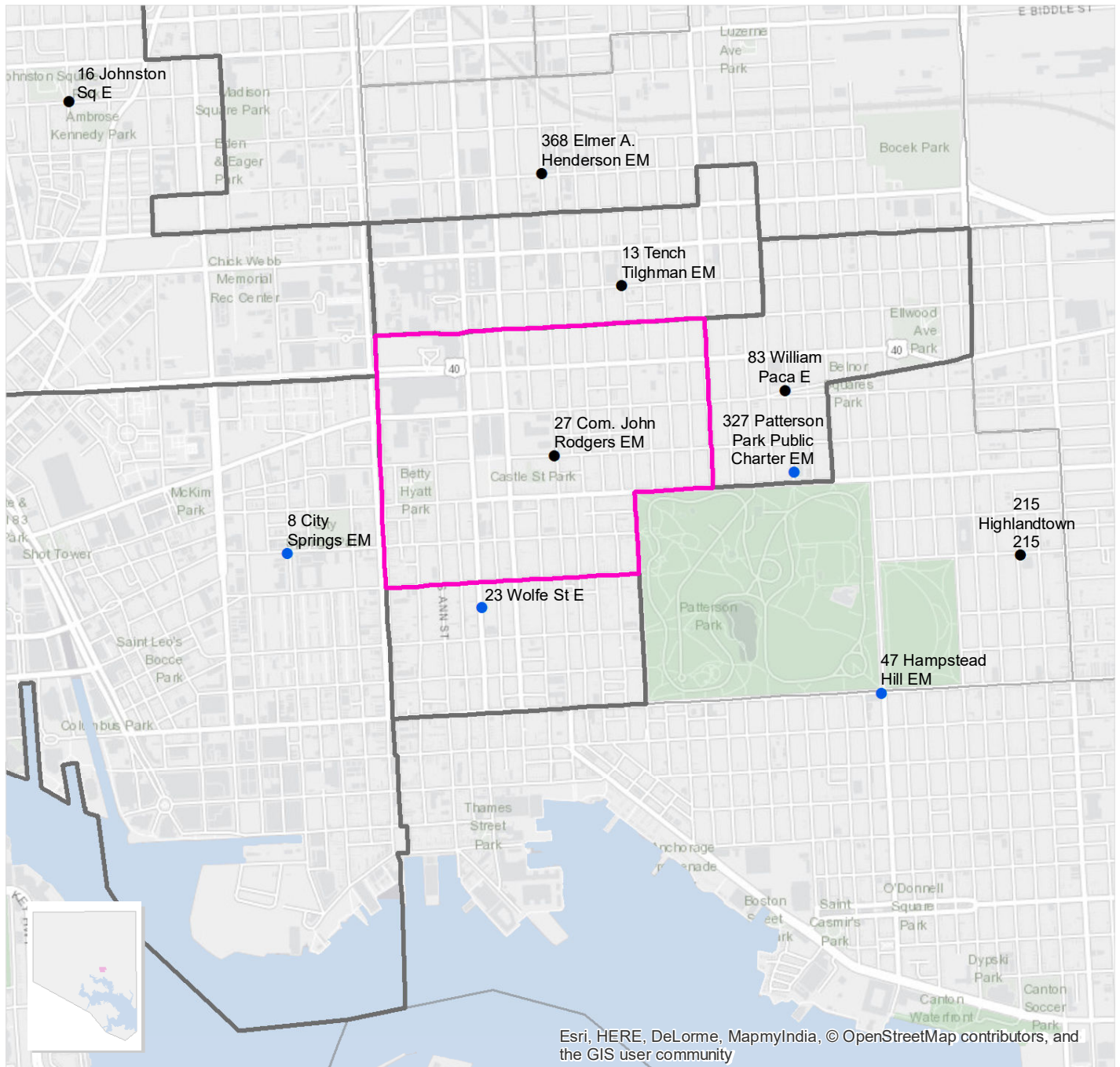
A.3 Proposed Schedule

Schedule		
Task	Start	Complete
Educational Specifications	August 2015	June 2018
Feasibility Study	August 2015	June 2018
Approvals	July 2018	September 2018
Design	November 2018	August 2019
Finalize GMP Approvals	October 2019	
Construction	October 2019	December 2020
Occupancy	December 2020	

A.4 Facility Summary

Facility Summary		
	SY2017-18	SY2020-21 Projected
State Rated Capacity	619	619+425=1,044
Full Time Enrollment	881	1,101
Relocatables	None	None
Gross Square Footage	110,776	140,806 sf (base) / 159,860 sf (w/ add alts)

#27 Commodore John Rodgers EM



- Com. John Rodgers Zone
- Adjacent Zones
- Charter
- Non-Charter/Traditional
- SY1718 E Zones

B. PROJECT BACKGROUND

B. PROJECT BACKGROUND

B.1 Community Description and History:

Commodore John Rodgers #27 is located in the Butcher's Hill community, which is in the Southeast geographic area of Baltimore City. It is located in Community Statistical Area (CSA) #9. The CSA Group is a mix of residential, institutional, and commercial. Approximately 90% of the population is African-American.

Development in the area includes:

- Private market rate and income-restricted redevelopment is occurring in the Middle East neighborhood north of Madison in connection with the planned 1.1 million square foot Biotech Park. EBDI, the 35 acre Phase I redevelopment area is projected to have up to 750 for-sale and rental units; total build-out is projected to be 2,000 units and a new 7 acre school campus has been completed and a new park to serve the area is under construction.
- Eager Square- Developer Johns Hopkins/EBDI is planning for-sale townhouses and an apartment/retail/parking site in the 1900 block of Eager Street. The north side of the building will include approximately 28 units and the south side of the building is slated to include 220 units.
- Station East - Baltimore Housing and EBDI are in the process of renovating 40 historic rowhomes in the 900 block of N. Patterson Park Avenue.
- B.U.I.L.D./TRF has also been investing in the Oliver neighborhood completing both rehabilitation projects and new construction. They have completed over 100 rehabilitations in the neighborhood. While their focus has been on Preston St., Bond Street and Broadway, they will expand throughout the neighborhood. Also, Oliver has seen smaller developers doing green rehabilitations on Bond Street.
- East Baltimore Historic 3 is a TRF project under construction for a 47 unit dvlpt. of rental housing for families.
- Empire at Calvert is a recently completed 18 unit development for special needs population in the 1600, 1700 and 1800 blocks of N. Calvert
- Two RAD projects are in financing. Monument East is a 170 unit mixed population building and Somerset Extension is a 60 unit family building.
- Pleasant View Gardens Townhomes a family site of 201 units and Pleasant View Gardens Senior, a senior building of 110 units have been completed.

The housing market conditions in this CSA group range from Middle Market Stressed to Stressed. There are several recent planning efforts: The Baltimore City Department of Planning adopted the Oldtown Redevelopment plan in 2010 which calls for the redevelopment of the historic Oldtown Mall property and the surrounding areas. Currently, the plan area consists mostly of public housing, limited retail and light industrial uses. The goal is to transform the area into a more mixed-income, mixed use area. The City is currently working with the Henson/Beatty development team to come up with a development plan for the Oldtown and Somerset Homes sites.

B.2 School Description and History:

The current Commodore John Rodgers #27 building was built in 1971 at 110,776 square feet. The school currently has 881 students enrolled for the 2017-18 school year, which is increased from SY2016-17. The school is over-utilized with an SY2017-18 utilization of 141%. 26.4 % of the population is designated as an EL (English Learner). The demographics for SY17-18 were:

Hispanic: 32.9%

Non-Hispanic African American: 59.3%

Non-Hispanic American Indian: 0.3%

Non-Hispanic Asian: 1.4%

Non-Hispanic Native Hawaiian/Pacific Islander: 0%

Non-Hispanic White: 0.2%

B.3 Existing Site Plans, Floor Plans, and Photographs:

Existing Site and Floor Plans are located in the Appendix.



Back hallway/storage



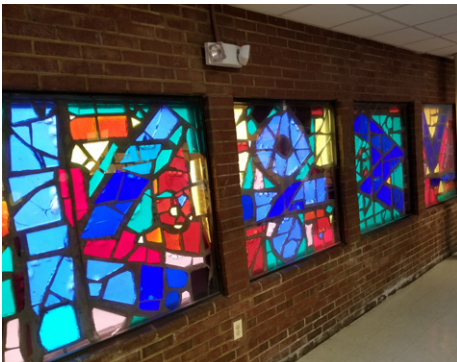
Auditorium



Cafeteria



Gym



Stained Glass breezeway



Typical Classroom



Typical Classroom



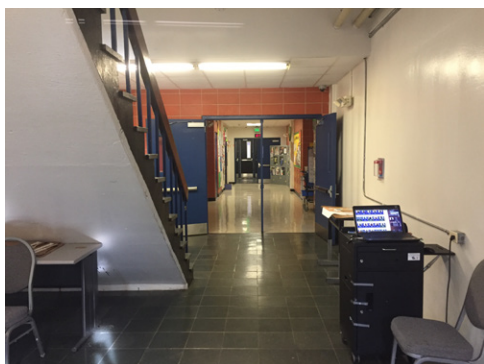
Hallway/pullout area



Main Entry



Courtyard/play yard



Main hallway/circulation



Typical Classroom

B.4 Summary of Recent Feasibility Studies or Assessments:

The 10-Year Plan's recommendation, based on the Jacob's building assessment report (2011), for Commodore John Rodgers Elementary/Middle School #27 is that FCI suggests that it is more cost effective to renovate this building than to replace it. The rationale behind this recommendation is as follows:

- The FCI suggests that renovation should be considered, however due to the special circumstances of the project (addition-only) the only renovation that will occur will be to tie the addition into the existing building.
- Commodore John Rodgers far exceeds the acceptable level of utilization with an SY1718 percent of 142%.

C. PROPOSED EDUCATIONAL PROGRAMS AND SERVICES

C. PROPOSED EDUCATIONAL PROGRAMS AND SERVICES

C.1 School Grade Organization:

Commodore John Rodgers Elementary/Middle School #27 is a traditional elementary/middle school with grades PK to 8.

In general, the proposed addition will maintain a separation between the lower and upper grades. Grades 6, 7, and 8 will be grouped together.

C.2 Proposed Curriculum:

The Commodore John Rodgers Elementary/Middle School #27 addition does not contain any specialized programs that would necessitate additional specifications beyond the Part II prototypes.

C.3 Proposed Staff of entire program:

Proposed Staff	
Position	Quantity
Principal	1
Assistant Principal	3
Teacher - General Educators	40
Teacher - Special Education	3
Teacher - Physical Education	1
Teacher - Science	4
Teacher - Foreign Language	1
Teacher - Art	2
Teacher - Music	2
Teacher - Technology	1
Teacher - Staff Developer	2
Paraeducator	6
Paraeducator - Special Education	3
Assistant - Non-Instructional/10mth	3
Staff Associate/10mth	2
Educational Associate/10mth	2
Librarian	1
Secretary I - School	1
Speech Pathologist	1
Guidance Counselor	3
Psychologist	2
Social Worker	2
Nurse	1
Occupational Therapist	1
Manager I - Cafeteria	1
Food Services Worker I/3.5 hrs	3
Food Services Worker I/6 hrs	2
Custodial Worker I/12 mth	3

C.4 Enrollment Projections:

Enrollment projections are based on historic trends using the GPR (grade progression ratio), which uses historical enrollment in conjunction with the number of students who progress on to the following year. While these values are the basis for the design capacity at a school, a number of other factors are taken into consideration, including recent developments, population growths, and general community trends. To take into consideration existing facility limitations the enrollment was limited to 900 students until the addition comes online; due to a glitch with enrollment projections this is shown as being delayed an extra year, hence the jump from 900 to 1,049 in SY2021-2022. We anticipate that jump happening a year earlier (SY2020-2021).

Commodore John Rodgers is the middle feeder program for #23 Wolfe Street Elementary, which means every middle grader in both the #27 and #23 zones are guaranteed a seat at this program.

27 Commodore John Rodgers EM (Proposed SRC is 619+425 = 1,044)											
Grade	Current	Projected									
	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028
PK	63	76	77	80	77	78	78	78	78	78	78
K	75	66	62	58	72	72	72	71	72	72	72
1	87	76	68	67	81	80	81	79	80	80	80
2	79	102	92	81	102	100	99	99	99	100	99
3	92	75	97	89	97	102	101	99	100	100	100
4	97	102	83	104	119	111	117	114	113	115	114
5	94	92	97	79	120	120	111	116	115	115	115
6	101	123	118	120	124	156	154	143	151	150	148
7	99	96	117	111	134	123	154	152	142	150	148
8	94	93	88	111	123	131	120	149	149	140	146
TOTAL	881	901	899	900	1049	1073	1087	1100	1099	1100	1100
	142%	146%	145%	86%	100%	103%	104%	105%	105%	105%	105%

C.5 Future Programs and Services:

Community Partners

The Out of School Time Support and the Community Services Suite are all components of the Community Space. The Community Services Suite includes a pantry, personal care space with shower, and laundry space. Additional program and service options which may be located within the Community Space include; an after school program for students, day care services, social services facilities, counseling facilities, offices, conference rooms, recreational spaces and multi-purpose use spaces.

Baltimore City Schools General Education Specification calls for 21st Century School Buildings to become hubs of the community. Creating schools as hubs includes incorporating programs and services for students, parents, and community members within the school building. It also includes providing an opportunity for them to determine which programs and services should be included in the 3000 square feet of community space. To engage stakeholders in the program, service needs and design of the community space, City Schools worked with the Mayors Office and the Family League of Baltimore to incorporate the Community Schools Planning process used at more than 40 City Schools. The planning process includes the identification of a community base organization to work with each Year 1 and Year 2 school to form a school base core team to complete a community needs assessment, gap analysis, survey stakeholders, host community forums and use available data to determine program and service needs to be included in the community space.

INSPIRE:

To leverage the 21st Century Schools Initiative and to enhance the connection between the schools and the surrounding neighborhoods, the Baltimore City Planning Department launched a new program called INSPIRE. INSPIRE stands for Investing in Neighborhoods and Schools to Promote Improvement, Revitalization, and Excellence. This planning program focuses on the neighborhoods immediately surrounding each of the new or renovated schools that are a part of the 21st Century program, specifically the a 1/4-mile surrounding each school. Once the Board of School Commissioners approves a feasibility study preferred school design option, the site-specific kickoff of the INSPIRE community engagement and planning process for the surrounding neighborhoods starts.

F. PROPOSED SITE REQUIREMENTS

F. PROPOSED SITE REQUIREMENTS

F. Proposed Site Requirements:

F.1 Parking - bus, car, delivery, service, staff, visitor:

Commodore John Rodgers #27 (CJR) has 1 off-street parking lot, but also relies heavily on street parking. While parking should be considered, it should not be a major driver in design. The lots do not have sufficient markings. There is on-street parking on the streets surrounding the school. Currently most students (85%) who attend CJR walk or are driven from surrounding neighborhoods.

F.2 Service access:

Service access is currently provided by a service drive on the north side of the building with a loading and dumpster area. These are already adequately separated from pedestrian circulation.

F.3 Vehicle and pedestrian access:

CJR is bounded by 3 streets on the East, South and West: N Chester, E Fairmount, and N Washington. The North side is a senior housing apartment building which was the original Commodore John Rodgers Elementary Building. Students live primarily southwest and northeast of the site due to barriers (Patterson Park and Hopkins Hospital Complex); see map on following page for student location.

F.4 Playing fields/courts/yards:

There are currently 2 amphitheaters; the large one to the west is unused and should be considered potential area for development. For the one on the south side of the site, there is also hard surface play area, along with a training circuit area. A new playground is situated within the courtyard between the two buildings. Basketball courts are located on the west side and can be considered for development if necessary.

F.5 Natural environmental areas:

The building occupies a large city block with minimal natural areas. Due to restricted space on the site, opportunities should be considered for providing outdoor learning and/or recreation.

F.6 Utilities:

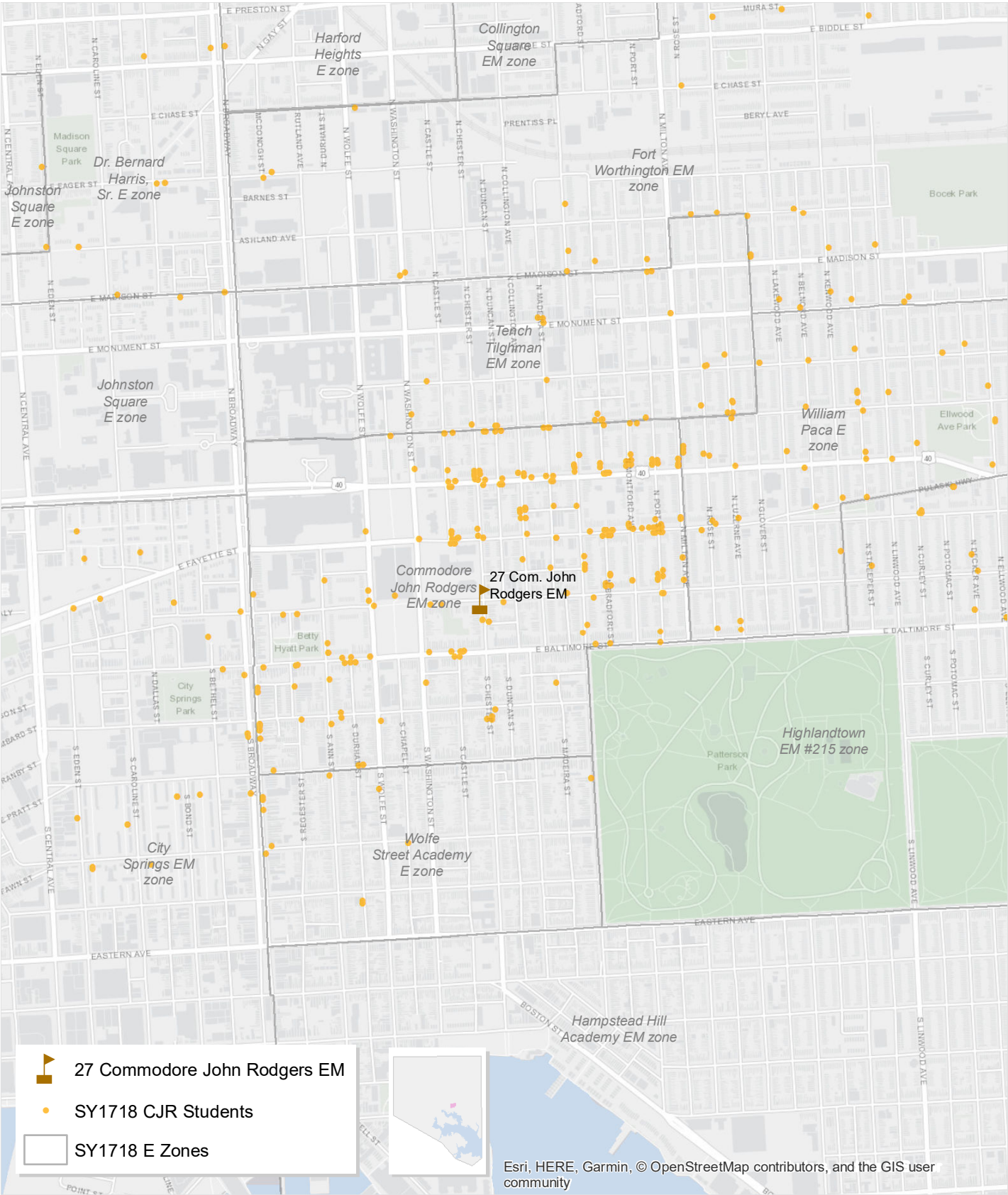
The feasibility study should be used to establish existing and proposed utilities. Any watermain and associated easements should be respected/addressed.

F.7 Other:

Stormwater management requirements will need to be addressed for all new construction. The stormwater management design techniques could be incorporated as an environmental literacy learning tool for the school. One option would include harvesting the rainwater from the impervious surfaces in above ground tanks or in an underground cistern, and the harvested rain water could then be used to irrigate the school garden, landscaping, and grass fields, or could also be used in a gray water system for toilet water in the school. Other options include installing bio retention facilities or rain garden facilities around the site to capture and treat runoff from impervious surface. This facility could be landscaped and could also serve as an environmental literacy learning tool. Permeable pavement material for the auxiliary parking lot could also be explored as a stormwater management technique if the existing soils showed to have adequate infiltration capabilities.

Another consideration is the Early Learning Center located in what was previously the Recreation Center. This is operated by a number of partners and is not part of the area that will be touched; neither will their play area.

SY1718 Commodore John Rodgers Students



Date: 6/11/2018

BALTIMORE CITY
PUBLIC SCHOOLS

I. GENERAL SCHOOL DESIGN CRITERIA

I. GENERAL SCHOOL DESIGN CRITERIA

I.7 Special or Unique Program Requirements:

There are no special or unique programs associated with this addition project, and therefore Section J is not necessary for this Part III.

L. SUMMARY OF SPATIAL REQUIREMENTS

Commodore John Rodgers EM

SITE-SPECIFIC EDUCATIONAL SPECIFICATIONS
 alternates with a priority of 1 are highest; 5 lowest)

(note-

ROOM/SPACE			TEACHING STATIONS	NUMBER EACH	SF EACH	TOTAL	SF TALLY	ES FTE	MS FTE	ALTERNATE PRIORITY	ALTERNATE QUANTITY
01 ADMINISTRATION											
01.01 Main Office							320				
01	01.01	GENERAL-RECEPTION		0	500	0					
01	01.02	CONFERENCE		0	250	0					
01	01.03	WORKROOM		0	200	0					
01	01.04	STORAGE		0	150	0					
01	01.05	SECURE STORAGE		0	75	0					
01	01.06	PRINCIPAL		0	150	0					
01	01.07	ASSISTANT PRINCIPAL		1	120	120					
01	01.08	FLEX OFFICE		2	100	200					
01	01.09	COAT CLOSET		0	20	0					
01.02 Faculty Support							0				
01	02.01	FACULTY LOUNGE		0	350	0					
02 STUDENT SERVICES											
02.01 Guidance							0				
02	01.01	OFFICE		0	100	0					
02	01.02	WAITING/RECEPTION		0	150	0					
02	01.03	CONFERENCE		0	350	0					
02.02 Health Suite							0				
02	02.01	WAITING AREA		0	100	0					
02	02.02	EXAM ROOM/TREATMENT		0	100	0					
02	02.03	STUDENT REST AREAS		0	150	0					
02	02.04	OFFICE		0	100	0					
02	02.05	STORAGE		0	40	0					
02	02.06	STUDENT TOILET		0	100	0					
02.03 Support Services							0				
02	03.01	PSYCHOLOGIST (SPEECH)		0	100	0					
02	03.02	SOCIAL WORKER		0	100	0					
02	03.03	FLEX OFFICE		0	100	0					
02	03.04	RECORDS STORAGE		0	75	0					
03 TEACHING AND LEARNING											
03.01 Classrooms							16,200				
03	01.01	PRE-KINDERGARTEN	0	0	1000	0		0			
03	01.02	KINDERGARTEN	0	0	1000	0		0			
03	01.03	GRADES 1-2	0	0	900	0		0			
03	01.04	PK-2 TOILET		0	50	0					
03	01.05	GRADES 3-4-5	0	0	900	0		0			
03	01.06	FLEX CLASSROOM	0	0	900	0		0			
03	01.07	CO-TEACHING CLASSROOM	0	0	1100	0		0			
03	01.08	GRADES 6-7-8	18	18	900	16200			450		
03.02 Shared Spaces							400				
03	02.01	COLLABORATIVE LEARNING AREA		0	900	0					
03	02.02	RESOURCE		0	250	0				3	3
03	02.03	TEACHER PLANNING		0	300	0				3	3
03	02.04	STORAGE		2	200	400					
04 SPECIAL EDUCATION											
04.01 General							0				

Commodore John Rodgers EM

SITE-SPECIFIC EDUCATIONAL SPECIFICATIONS
 alternates with a priority of 1 are highest; 5 lowest)

(note-

ROOM/SPACE			TEACHING STATIONS	NUMBER EACH	SF EACH	TOTAL	SF TALLY	ES FTE	MS FTE	ALTERNATE PRIORITY	ALTERNATE QUANTITY
04 01.01	CLASSROOM		0	0	900	0		0		1	1
04 01.02	OFFICE			0	120	0					
04 01.03	RECORDS STORAGE			0	100	0					
04 01.04	ESOL RESOURCE ROOM			0	250	0				1	1
04.02 Resource							0				
04 02.01	OT/PT			0	200	0					
04 02.02	OT/PT STORAGE			0	80	0					
04 02.03	STUDENT TOILET			0	50	0					
05 SCIENCES											
05.01 Elementary Science							0				
05 01.01	LAB			0	900	0					
05 01.02	STORAGE			0	100	0					
05.02 Middle Science							2,400				
05 02.01	LAB		2	2	1000	2000			50		
05 02.02	PREP/STORAGE			2	200	400					
06 FINE ARTS											
06.01 Visual Art							0				
06 01.01	STUDIO			0	1000	0				2	1
06 01.02	STORAGE			0	150	0				2	1
06 01.03	KILN			0	100	0				5	1
06.02 Music							0				
06 02.01	LARGE REHERSAL			0	1200	0				2	1
06 02.02	SMALL REHEARSAL			0	850	0					
06 02.03	STORAGE			0	150	0				2	1
07 SPECIALS											
7.01 Foreign Language							1,000				
07 01.01	CLASSROOM			1	900	900					
07 01.02	STORAGE			1	100	100					
08 TECHNOLOGY EDUCATION											
08.01 Technology Education							980				
08 01.01	LAB			1	900	900					
08 01.02	SUPPLY STORAGE			1	80	80					
09 PHYSICAL EDUCATION											
09.01 Physical Education							0				
09 01.01	GYMNASIUM		1	0	6500	0				1	1
09 01.02	OFFICE			0	150	0					
09 01.03	GYM STORAGE			0	400	0					
09 01.04	LOCKERS/CHANGING ROOMS			0	200	0				5	2
09 01.05	STUDENT SHOWERS/TOILET			0	100	0				5	4
10 MEDIA											
10.01 Media Center							0				
10 01.01	MEDIA ROOM			0	2400	0					
10 01.02	WORKROOM			0	250	0					

Commodore John Rodgers EM

SITE-SPECIFIC EDUCATIONAL SPECIFICATIONS
 alternates with a priority of 1 are highest; 5 lowest)

(note-

ROOM/SPACE			TEACHING STATIONS	NUMBER EACH	SF EACH	TOTAL	SF TALLY	ES FTE	MS FTE	ALTERNATE PRIORITY	ALTERNATE QUANTITY
10 01.03	STORAGE			0	300	0					
10 01.04	HEAD END ROOM			0	150	0					
10.02 Communications/TV							0				
10 02.01	VIDEO STUDIO			0	800	0					
10 02.02	CONTROL ROOM			0	150	0					
11 FOOD SERVICES											
11.01 Dining							0				
11 01.01	DINING			0	3500	0					Needs 1 reconfig- uration
11 01.02	FURNITURE STORAGE			0	250	0					
11 01.03	STAGE			0	1000	0					
11 01.04	STAGE STORAGE			0	150	0					
11.02 Food Service							0				
11 02.01	KITCHEN			0	900	0					
11 02.02	SERVING			0	225	0					
11 02.03	OFFICE			0	80	0					
11 02.04	WALK-IN FREEZER			0	175	0					
11 02.05	WALK-IN CHILLER			0	175	0					
11 02.06	DRY STORAGE			0	200	0					
11 02.07	DISH ROOM / TRAY RETURN			0	200	0					
11 02.08	SOAP STORAGE			0	30	0					
11 02.09	CAN WASH			0	50	0					
11 02.09	LOCKER / TOILET			0	100	0					
12 BUILDING SERVICES											
12.01 Maintenance/Operations							0				
12 01.01	RECEIVING			0	250	0					
12 01.02	CENTRAL STORAGE			0	250	0					
12 01.03	OPERATIONS OFFICE			0	100	0					
12 01.04	LOCKERS/SHOWERS/TOILETS			0	120	0					
12 01.05	SECURITY OFFICE			0	120	0					
12 01.06	CUSTODIAL CLOSETS			0	60	0					
12 01.07	RECYCLING			0	250	0					
12 01.08	OUTDOOR STORAGE			0	100	0					
12.02 Toilet							150				
12 02.01	STAFF TOILET			3	50	150					
13 COMMUNITY SPACE											
13.01 Family Resource Suite							0				
13 01.01	FAMILY RESOURCE ROOM			0	400	0				5	1
13 01.02	OFFICE			0	80	0					
13 01.03	TOILET			0	50	0					
13 01.04	UNSPECIFIED COMMUNITY SPACE			0	3,000	0					
13.02 Out of School Time Support							0				
13 02.01	STORAGE			0	100	0				5	1
13 02.02	PANTRY			0	50	0				5	1
13 02.03	OFFICE			0	80	0				5	1

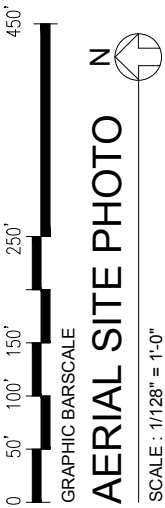
Commodore John Rodgers EM

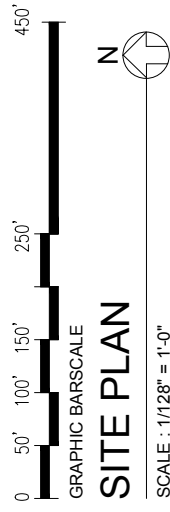
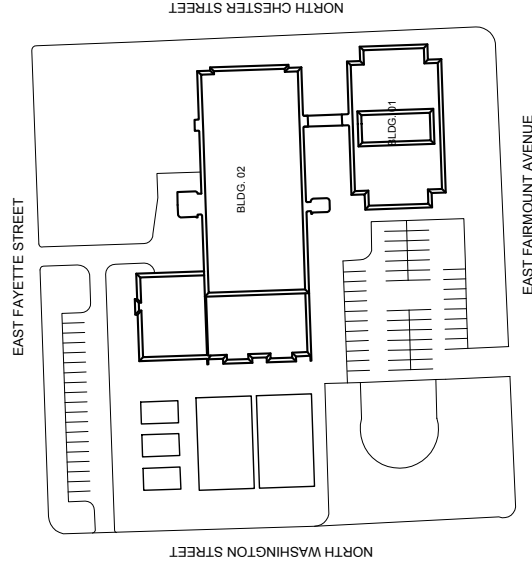
SITE-SPECIFIC EDUCATIONAL SPECIFICATIONS alternates with a priority of 1 are highest; 5 lowest)

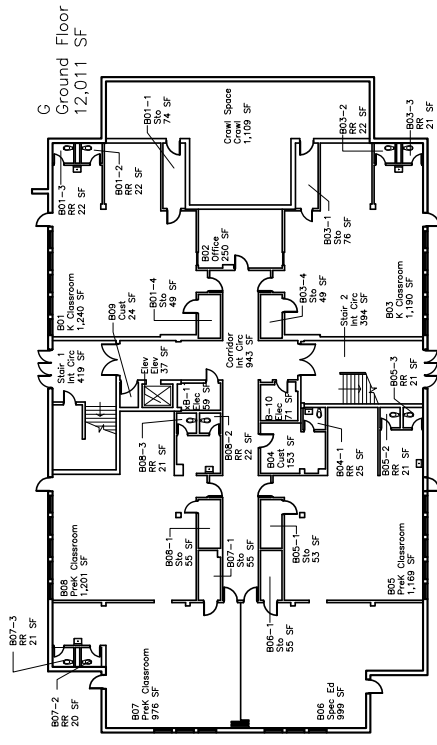
(note-

ROOM/SPACE		TEACHING STATIONS	NUMBER EACH	SF EACH	TOTAL	SF TALLY	ES FTE	MS FTE	ALTERNATE PRIORITY	ALTERNATE QUANTITY
13.03 Service						0				
13 03.01	PANTRY		0	80	0				2	1
13 03.02	PERSONAL CARE		0	100	0				2	1
13 03.03	LAUNDRY		0	100	0				2	1
Total Capacity								425		
Total Teaching Stations						21				
Total Net Square Footage						21,450				
TOTAL GROSS AREA						30,030				
Middle School Capacity						425				
85% (per State Requirements)										
Elementary School Capacity						0				
Special Education						0				
TOTAL SCHOOL CAPACITY						425				

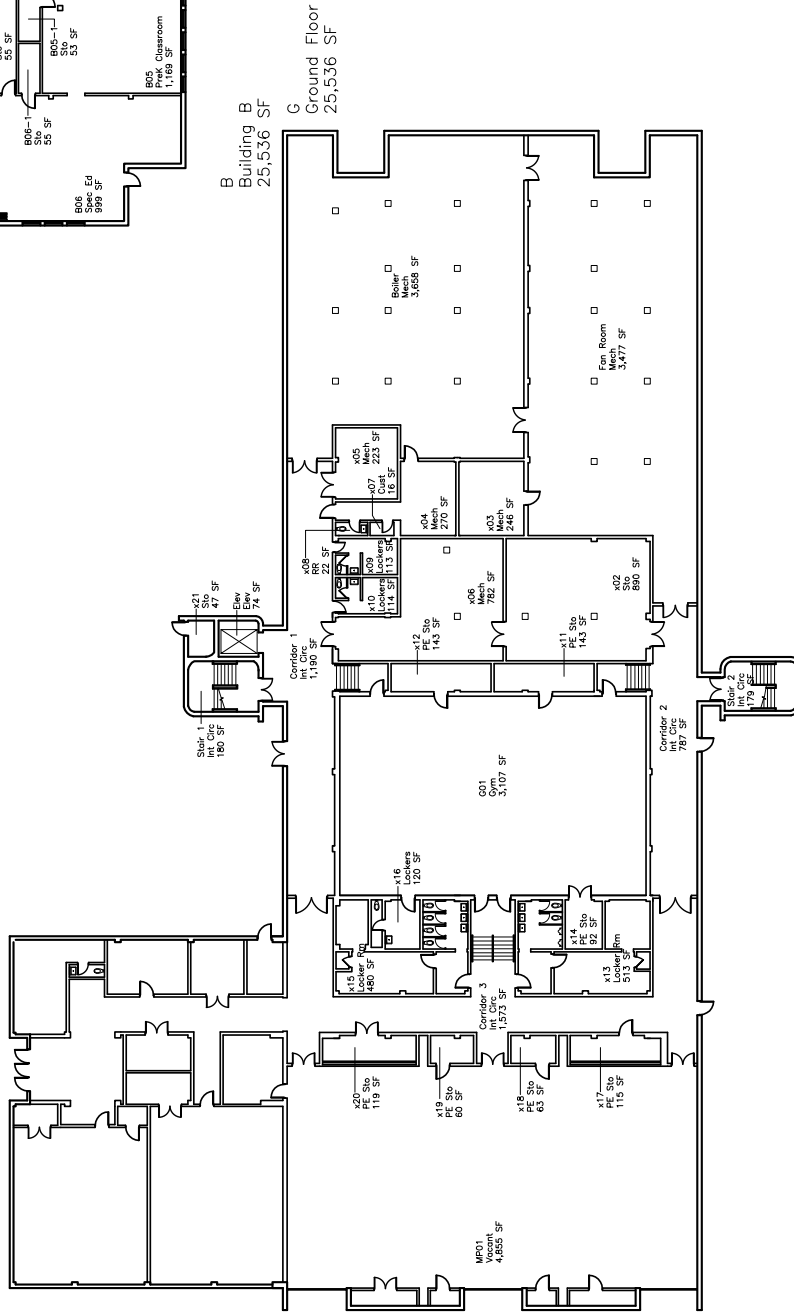
M. APPENDIX







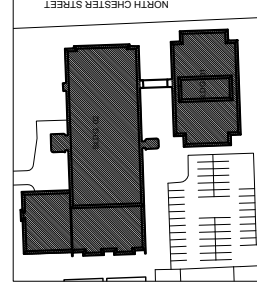
B Building B
25,536 SF



GRAPHIC BARSCALE

BUILDINGS 01 & 02 - GROUND FLOORS

SCALE: 1/32" = 1'-0"



KEY PLAN
NOT TO SCALE

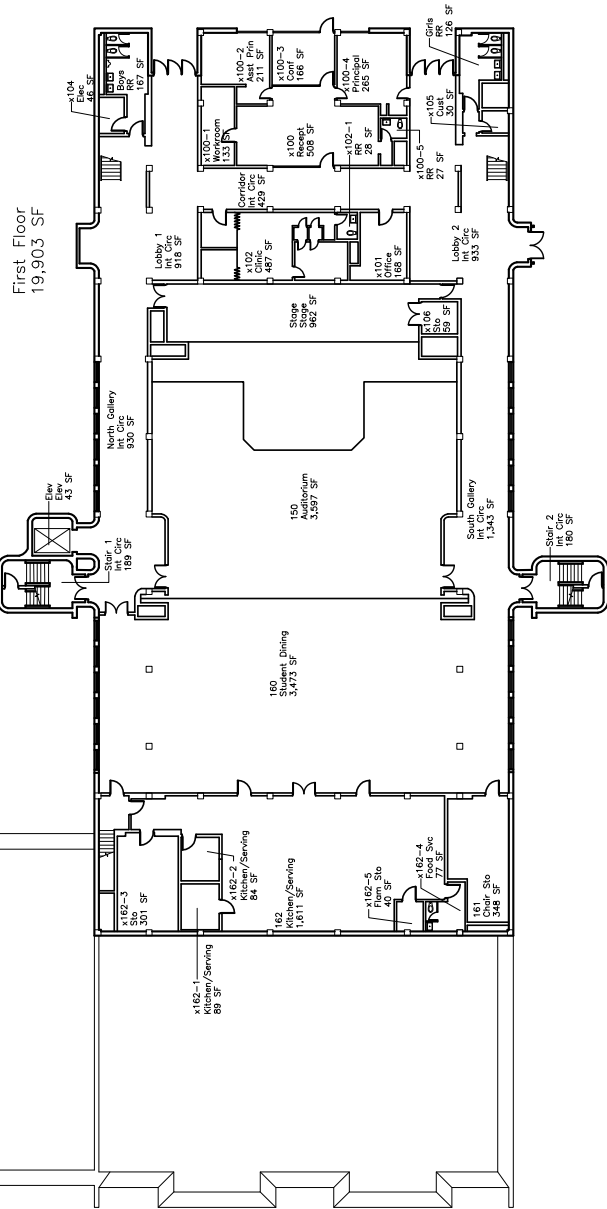


GRAPHIC BARSCALE

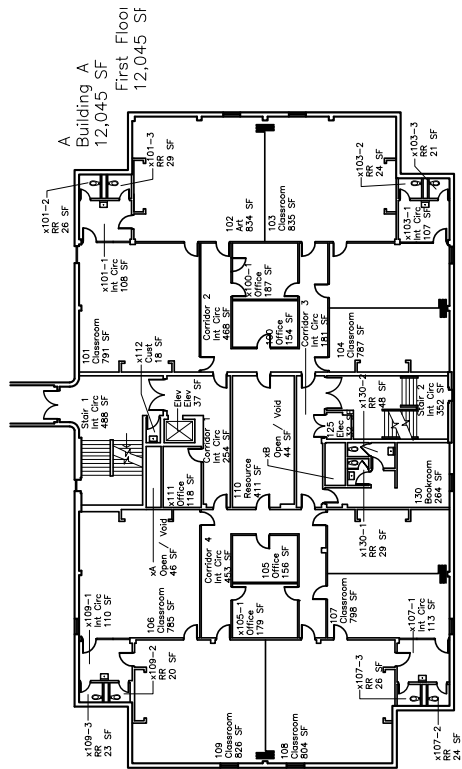
BUILDINGS 01 & 02 - FIRST FLOORS



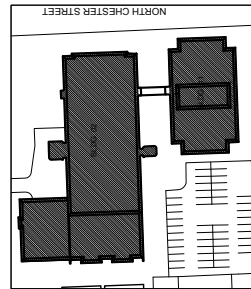
SCALE : 1/32" = 1'-0"



First Floor
19,903 SF

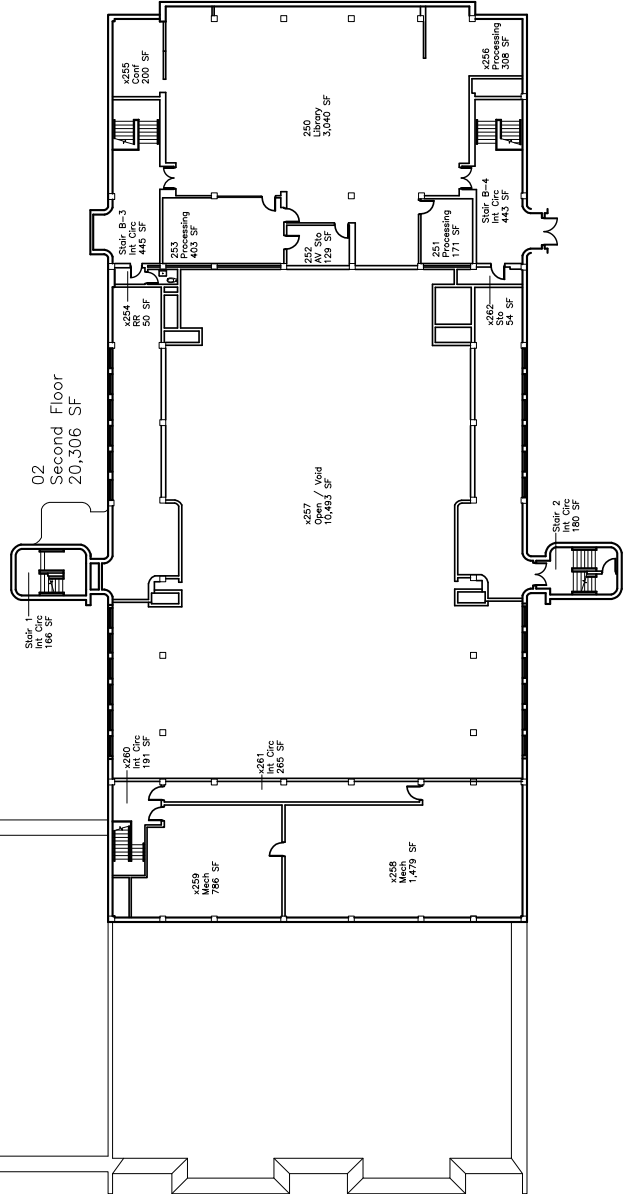
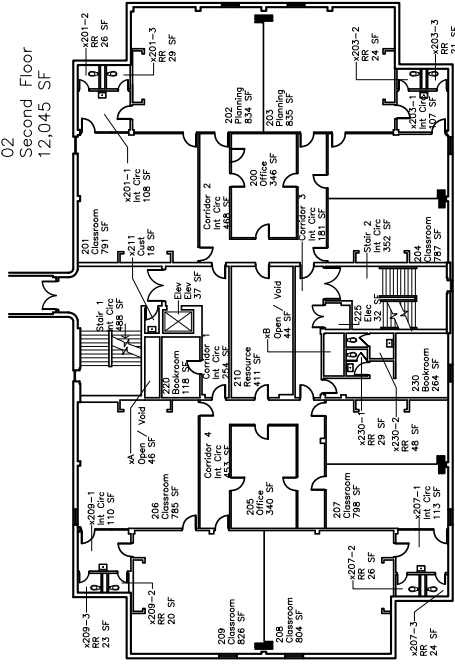


Building A
First Floor
12,045 SF

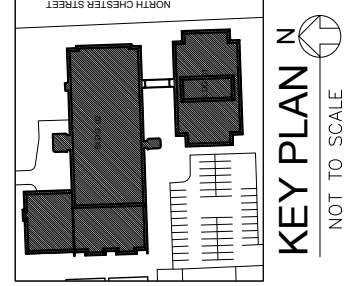


KEY PLAN
NOT TO SCALE

02
Second Floor
12,045 SF



02
Second Floor
20,306 SF



GRAPHIC BARSCALE
BUILDINGS 01 & 02 - SECOND FLOORS
SCALE : 1/32" = 1'-0"

The floor plan shows the following rooms and areas:

- Room 300-1:** Int. Circ. 110 SF
- Room 300-2:** Classroom 23 SF
- Room 300-3:** RR 25 SF
- Room 301-1:** Int. Circ. 452 SF
- Room 301-2:** RR 25 SF
- Room 301-3:** Laboratory 1,031 SF
- Room 302-1:** RR 25 SF
- Room 302-2:** RR 24 SF
- Room 302-3:** RR 21 SF
- Room 303-1:** RR 107 SF
- Room 303-2:** RR 107 SF
- Room 303-3:** RR 107 SF
- Room 304-1:** RR 32 SF
- Room 304-2:** RR 32 SF
- Room 304-3:** RR 32 SF
- Room 305-1:** RR 32 SF
- Room 305-2:** RR 32 SF
- Room 305-3:** RR 32 SF
- Room 306-1:** RR 32 SF
- Room 306-2:** RR 32 SF
- Room 306-3:** RR 32 SF
- Room 307-1:** RR 32 SF
- Room 307-2:** RR 32 SF
- Room 307-3:** RR 32 SF
- Room 308-1:** RR 32 SF
- Room 308-2:** RR 32 SF
- Room 308-3:** RR 32 SF
- Room 309-1:** RR 32 SF
- Room 309-2:** RR 32 SF
- Room 309-3:** RR 32 SF
- Room 310-1:** RR 32 SF
- Room 310-2:** RR 32 SF
- Room 310-3:** RR 32 SF
- Room 311-1:** RR 32 SF
- Room 311-2:** RR 32 SF
- Room 311-3:** RR 32 SF
- Room 312-1:** RR 32 SF
- Room 312-2:** RR 32 SF
- Room 312-3:** RR 32 SF
- Room 313-1:** RR 32 SF
- Room 313-2:** RR 32 SF
- Room 313-3:** RR 32 SF
- Room 314-1:** RR 32 SF
- Room 314-2:** RR 32 SF
- Room 314-3:** RR 32 SF
- Room 315-1:** RR 32 SF
- Room 315-2:** RR 32 SF
- Room 315-3:** RR 32 SF
- Room 316-1:** RR 32 SF
- Room 316-2:** RR 32 SF
- Room 316-3:** RR 32 SF
- Room 317-1:** RR 32 SF
- Room 317-2:** RR 32 SF
- Room 317-3:** RR 32 SF
- Room 318-1:** RR 32 SF
- Room 318-2:** RR 32 SF
- Room 318-3:** RR 32 SF
- Room 319-1:** RR 32 SF
- Room 319-2:** RR 32 SF
- Room 319-3:** RR 32 SF
- Room 320-1:** RR 32 SF
- Room 320-2:** RR 32 SF
- Room 320-3:** RR 32 SF
- Room 321-1:** RR 32 SF
- Room 321-2:** RR 32 SF
- Room 321-3:** RR 32 SF
- Room 322-1:** RR 32 SF
- Room 322-2:** RR 32 SF
- Room 322-3:** RR 32 SF
- Room 323-1:** RR 32 SF
- Room 323-2:** RR 32 SF
- Room 323-3:** RR 32 SF
- Room 324-1:** RR 32 SF
- Room 324-2:** RR 32 SF
- Room 324-3:** RR 32 SF
- Room 325-1:** RR 32 SF
- Room 325-2:** RR 32 SF
- Room 325-3:** RR 32 SF
- Room 326-1:** RR 32 SF
- Room 326-2:** RR 32 SF
- Room 326-3:** RR 32 SF
- Room 327-1:** RR 32 SF
- Room 327-2:** RR 32 SF
- Room 327-3:** RR 32 SF
- Room 328-1:** RR 32 SF
- Room 328-2:** RR 32 SF
- Room 328-3:** RR 32 SF
- Room 329-1:** RR 32 SF
- Room 329-2:** RR 32 SF
- Room 329-3:** RR 32 SF
- Room 330-1:** RR 32 SF
- Room 330-2:** RR 32 SF
- Room 330-3:** RR 32 SF
- Room 331-1:** RR 32 SF
- Room 331-2:** RR 32 SF
- Room 331-3:** RR 32 SF
- Room 332-1:** RR 32 SF
- Room 332-2:** RR 32 SF
- Room 332-3:** RR 32 SF
- Room 333-1:** RR 32 SF
- Room 333-2:** RR 32 SF
- Room 333-3:** RR 32 SF
- Room 334-1:** RR 32 SF
- Room 334-2:** RR 32 SF
- Room 334-3:** RR 32 SF
- Room 335-1:** RR 32 SF
- Room 335-2:** RR 32 SF
- Room 335-3:** RR 32 SF
- Room 336-1:** RR 32 SF
- Room 336-2:** RR 32 SF
- Room 336-3:** RR 32 SF
- Room 337-1:** RR 32 SF
- Room 337-2:** RR 32 SF
- Room 337-3:** RR 32 SF
- Room 338-1:** RR 32 SF
- Room 338-2:** RR 32 SF
- Room 338-3:** RR 32 SF
- Room 339-1:** RR 32 SF
- Room 339-2:** RR 32 SF
- Room 339-3:** RR 32 SF
- Room 340-1:** RR 32 SF
- Room 340-2:** RR 32 SF
- Room 340-3:** RR 32 SF
- Room 341-1:** RR 32 SF
- Room 341-2:** RR 32 SF
- Room 341-3:** RR 32 SF
- Room 342-1:** RR 32 SF
- Room 342-2:** RR 32 SF
- Room 342-3:** RR 32 SF
- Room 343-1:** RR 32 SF
- Room 343-2:** RR 32 SF
- Room 343-3:** RR 32 SF
- Room 344-1:** RR 32 SF
- Room 344-2:** RR 32 SF
- Room 344-3:** RR 32 SF
- Room 345-1:** RR 32 SF
- Room 345-2:** RR 32 SF
- Room 345-3:** RR 32 SF
- Room 346-1:** RR 32 SF
- Room 346-2:** RR 32 SF
- Room 346-3:** RR 32 SF
- Room 347-1:** RR 32 SF
- Room 347-2:** RR 32 SF
- Room 347-3:** RR 32 SF
- Room 348-1:** RR 32 SF
- Room 348-2:** RR 32 SF
- Room 348-3:** RR 32 SF
- Room 349-1:** RR 32 SF
- Room 349-2:** RR 32 SF
- Room 349-3:** RR 32 SF
- Room 350-1:** RR 32 SF
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- Room 351-3:** RR 32 SF
- Room 352-1:** RR 32 SF
- Room 352-2:** RR 32 SF
- Room 352-3:** RR 32 SF
- Room 353-1:** RR 32 SF
- Room 353-2:** RR 32 SF
- Room 353-3:** RR 32 SF
- Room 354-1:** RR 32 SF
- Room 354-2:** RR 32 SF
- Room 354-3:** RR 32 SF
- Room 355-1:** RR 32 SF
- Room 355-2:** RR 32 SF
- Room 355-3:** RR 32 SF
- Room 356-1:** RR 32 SF
- Room 356-2:** RR 32 SF
- Room 356-3:** RR 32 SF
- Room 357-1:** RR 32 SF
- Room 357-2:** RR 32 SF
- Room 357**

GRAPHIC BARSCALE

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