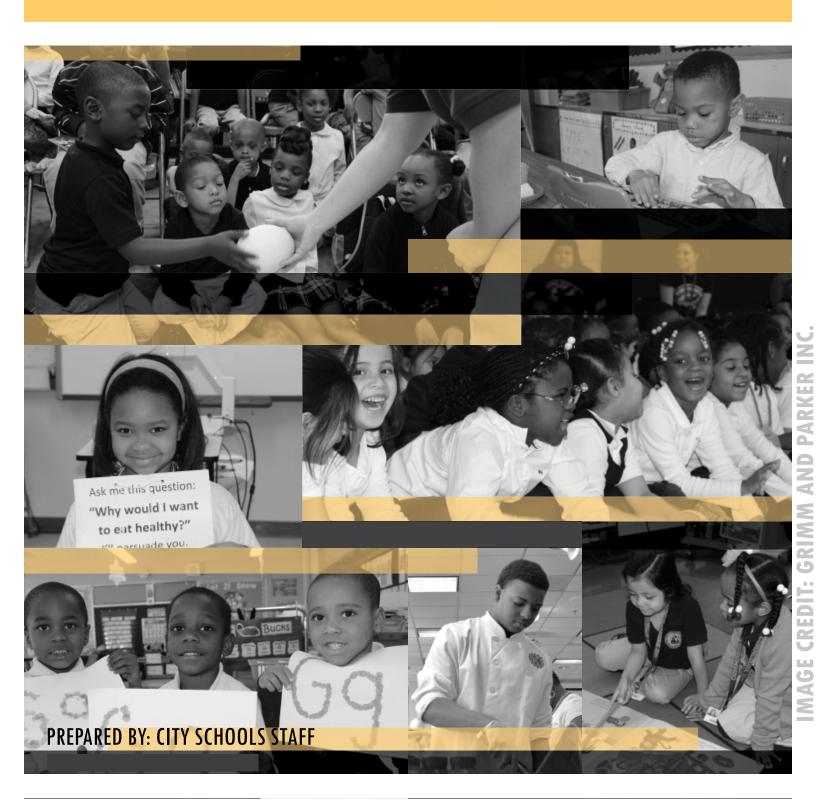
## BALTIMORE CITY PUBLIC SCHOOLS EDUCATIONAL SPECIFICATIONS

PART 3: SITE SPECIFIC EDUCATIONAL SPECIFICATIONS
CHERRY HILL ELEMENTARY/MIDDLE #159
DECEMBER 11, 2014



### **BALTIMORE CITY BOARD OF SCHOOL COMMISSIONERS**

Shanaysha Sauls Chair

David Stone Vice-Chair

Lisa Akchin Commissioner

Cheryl A. Casciani Commissioner

Linda Chinnie Commisioner

Marnell A. Cooper Commissioner

Robert Heck Commissioner

Tina Hike-Hubbard Commissioner

Peter Kannam Commissioner

Eddie Hawkins Student Commissioner

#### **BALTIMORE CITY PUBLIC SCHOOLS DISTRICT OFFICE**

### **BALTIMORE CITY SCHOOL COMMUNITY**

Principal and Staff of Arundel PK-8, Cherry Hill PK-8, Patapsco PK-8, and Dr. Carter G. Woodson PK-8
Community and Partners of Arundel PK-8, Cherry Hill PK-8, Patapsco PK-8, and Dr. Carter G. Woodson PK-8
Parents and Students of Arundel PK-8, Cherry Hill PK-8, Patapsco PK-8, and Dr. Carter G. Woodson PK-8

### **BALTIMORE CITY ARCHITECTURAL TEAM**

GWWO

### **BALTIMORE CITY ACKNOWLEDGEMENTS**

Dr. Gregory Thornton Chief Executive Officer

Linda Chen Chief Academic Officer

Naomi Gubernick Chief of Staff

J. Keith Scroggins Chief Operations Officer

Donald R. Kennedy, Sr. Chief Financial Officer

Lisa Grillo Human Capital Officer

## SITE-SPECIFIC EDUCATIONAL SPECIFICATIONS **SECTIONS**

A. Executive Summary				
B. City Schools' Mission				
C. City Schools' Portfolio				
D. School Safety and Security				
E. Community Use Guidelines				
F. Sustainability				
G. Instructional Technology H. General Design Criteria				
General Design Criteria				
Building Design Criteria				
J. Site Design Criteria				
K. Project Specific Educational Specifications				
Additional Educational Specification Content				
Dout 2. Ductotum o Considio Douvinomonto (vuodon consusto cover				
Part 2: Prototype Specific Requirements (under separate cover Volume I PK to 5 Prototype	<u>)                                    </u>			
volume i PK to 5 Prototype				
Volume II PK to 8 Prototype				
/olume III 6 to 12 Prototype				
√olume IV 9 to 12 Prototype				
Part 3: Site Specific Educational Specifications (General Requi	rements)			
A. Project Summary B. Project Background	•			
C. Project Educational Programs and Services	4			
Gonoral Project Design Criteria (Optional)				
Existing Sito Conditions (Optional)				
Proposed Site Paguirements				
F. Proposed Site Requirements G. Existing Building Systems Conditions (Optional)	18			
H. Proposed Building Systems Requirements (Optional)				
. General School Design Criteria (Optional)				
J. Individual Space Descriptions	20			
K. Graphic Summary of Spatial Relationships (Optional)	22			
L. Summary of Spatial Requirements				
	37			

Μ.

**Appendix** 

## SITE SPECIFIC EDUCATIONAL SPECIFICATIONS TABLE OF CONTENTS

A.	PROJECT SUMMARY		OFHERWE SCHOOL DESIGN CHILFMIN
1.	Project Justification	1.	Overall building organization
2.	Project Description	2.	FUNCTIONAL RELATIONSHIPS
3.	PROPOSED SCHEDULE	3.	Administrative areas
4.	FACILITY SUMMARY	4.	INSTRUCTIONAL AREAS
5.	LOCATION MAP	<b>5</b> .	SUPPORT AREAS
		6.	COMMUNITY USE AREAS
B.	PROJECT BACKGROUND4	7.	SPECIAL OR UNIQUE PROGRAMS REQUIREMENTS
1.	COMMUNITY DESCRIPTION AND HISTORY		
2.	SCHOOL DESCRIPTION AND HISTORY	J.	INDIVIDUAL SPACE DESCRIPTIONS22
3.	Existing Site Plans, Floor Plans, and Photographs	1.	NAME OF SPACE
4.	SUMMARY OF RECENT FEASIBILITY STUDIES OR ASSESSMENTS	2.	Proposed activities
		3.	NUMBER/TYPE/GROUPINGS OF USERS
C.	PROPOSED EDUCATIONAL PROGRAMS AND	4.	AREA, HEIGHT, VOLUME REQUIREMENTS
	SERVICES9	<b>5</b> .	RELATIONSHIPS TO OTHER SPACES
1.	SCHOOL GRADE ORGANIZATION	6.	Storage requirements
2.	Proposed curriculum and instructional methods and trends	7.	DISPLAY AND PROJECTIONS REQUIREMENTS
3.	Proposed staffing	8.	Proposed furniture and equipment
4.	ENROLLMENT PROJECTIONS	9.	ACOUSTICAL REQUIREMENTS
5.	FUTURE PROGRAMS AND SERVICES	10.	FLOOR, WALL, CEILING FINISHES
		11.	MECHANICAL, ELECTRICAL, PLUMBING REQUIREMENTS
D.	GENERAL PROJECT DESIGN CRITERIA14	12.	SPECIAL SYSTEMS
		13.	TELECOMMUNICATIONS SYSTEMS
E.	EXISTING SITE CONDITIONS16		
		K.	GRAPHIC SUMMARY OF SPATIAL
F.	PROPOSED SITE REQUIREMENTS18		RELATIONSHIPS
1.	PARKING — BUS, CAR, DELIVERY, SERVICE, STAFF, VISITOR		(NOT INCLUDED)
2.	Service access		
3.	VEHICLE AND PEDESTRIAN ACCESS	L.	SUMMARY OF SPATIAL REQUIRMENTS37
4.	PLAYING FIELDS/COURTS/YARDS	1.	Name of Space
5.	Natural environmental areas	2.	EXISTING/PROPOSED QUANTITY
6.	Uтинтиеs	3.	EXISTING/PROGRAMMED AREA OF BUILDING IN NET SQUARE
7.	OTHERS		FEET
		4.	TOTAL EXISTING/PROGRAMMED AREA OF BUILDING IN NET
G.	EXISTING BUILDING SYSTEMS CONDITIONS		SQUARE FEET
	(NOT INCLUDED)	5.	Existing/proposed building efficiency (NSF/GSF)
		6.	TOTAL EXISTING/PROPOSED BUILDING AREA IN GROSS SQUARE
Н.	PROPOSED BUILDING SYSTEMS REQUIREMENTS		FEET
	(NOT INCLUDED)		
	,	M.	APPENDIX44
	*Sections not included are provided in the school specific		
	feasibility study.	1.	Existing Site and Floor Plans
	-,,		

## A. PROJECT SUMMARY

### A. PROJECT SUMMARY

#### A.1 Project Justification:

Cherry Hill Elementary/Middle #159 currently has a poor Facility Conditions Index (FCI) and Educational Adequacy Score (EAS) based on the previously completed 2010 Jacobs building assessment report. Cherry Hill Elementary/ Middle #159 has a Facility Condition Index of 86.7% and an Education Adequacy Score of 54.3. Cherry Hill Elementary/ Middle #159 currently serves students in grades PK-8. In addition, with the closure of Patapsco PK-8 #163, Dr. Carter G. Woodson PK-8 #160, and the consolidation of adjacent schools, the enrollment of the school will be affected. As a result of extensive community engagement and academic planning process, this school is recommended to serve grades 3 - 8. A separate building in the community will serve grades PK-2 as an early learning center, creating a Cherry Hill neighborhood campus of schools. The project is planned to be complete by year 2017. In SY 2022-23, the anticipated state rated capacity of the building will be 932, and with the additional students from Dr. Carter G. Woodson #160 and Patapsco #163, its projected utilization rate will be 90%.

#### A.2 Project Description:

The Cherry Hill Elementary/Middle building is currently 63,853 square feet. The original building was built in 1945 at 24,153 square feet, with an addition built in 1960 with 39,700 square feet. In 2009 there was 2,984 square foot renovation to the Library / Media Center with state-approved QZAB funds. The new gross square footage of the building to meet the program requirements will be approximately 128,275 square feet total. Cherry Hill's projected enrollment will be 840 in 2022-23. For the development of the site specific educational specification a modified PK - 8 prototype for an elementary/middle school was used for the standard.

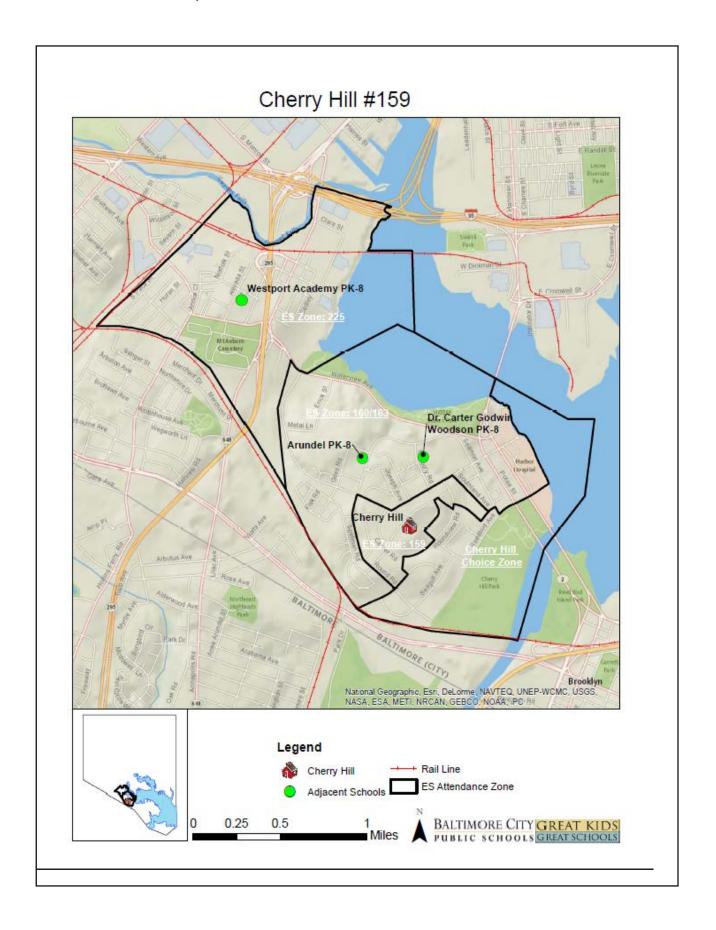
#### A.3 Tentative Schedule: The items below are based on the CY 2013 10-Year Plan.

Schedule		
Task	Start	Complete
<b>Educational Specifications</b>	October 2013	November 2014
Feasibility Study	November 2013	November 2014
Schematic Design	December 2014	February 2015
Design Development	March 2015	June 2015
Construction Documents	July 2015	December 2015
Permitting	January 2016	March 2016
Advertise/Bid/Award	March 2016	June 2016
Construction	June 2016	November 2017
Occupancy	November 2017	December 2017

#### A.4 Facility Summary:

Facility Summary				
	Current	2022-23 Projected		
State Rated Capacity	452	932		
Full Time Enrollment	432	840		
Enrollment Trend	Growing			
Relocatables	None			
Gross Square Footage	63,853	128,275		

#### A.5 Location Map:





## **B. PROJECT BACKGROUND**

#### B.1 Community Description and History:

Cherry Hill Elementary/Middle is located in the Cherry Hill Community, which is located in the Southern geographic area of Baltimore City. Cherry Hill is a unique, geographically isolated area of the city, surrounded by industry and water, with limited access points. As a result of this geographic isolation, there is a strong sense of community identity.

Cherry Hill Elementary/Middle #159 is located in Community Statistical Area (CSA) 21, which includes the neighborhoods of Westport, Cherry Hill, Brooklyn, and Curtis Bay. The CSA Group which consists of mostly mid-density housing and industrial zoning: M-1, M-2, M-3, R-4, R-5, R-6, R-7, and some commercial. This CSA Group experienced a 2.2% increase in total population and a .5% increase in households with children under 18 between 2000 and 2010. The CSA Group has large areas of non-residential land that physically separates communities. Much of the housing market in the Group is Middle Market Stressed based on the Baltimore City Housing Market Typology, and consisted of approximately 60% of owner occupied housing properties in 2010, which was a decrease from 68% in 2001. From 2000 to 2010, the total number of residential units increased by .8% to 10,582, and the number of vacant units increased slightly, from 3.3% to 4%. The median sale price increased 35%, from \$53,967 to \$73,064. Cherry Hill also has the largest public housing development in the city.

Saint Agnes Hospital has a Master Plan for expansion-related improvements to include new medical office buildings and a parking garage. The Wilhelm Park area is being considered for a new CSX Intermodal Container Facility with heavy truck traffic. Cherry Hill is implementing its 2008 master plan, which can be found on the Department of Planning website. Based on this plan, there are a number of recommendations related to education, youth, and recreation.

#### **B.2** School Description and History:

From its construction in 1945 until approximately 2007, Cherry Hill PK-8 #159 operated as an elementary school. In 2007 grades 6-8 were added to the Cherry Hill program, and it became a PK-8 school. In 2013 the school became a Transformation School, known as Friendship Academy at Cherry Hill.

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

Existing Site and Floor Plans are located in the Appendix.

#### **Existing Exterior and Interior Photos**



Main Entrance



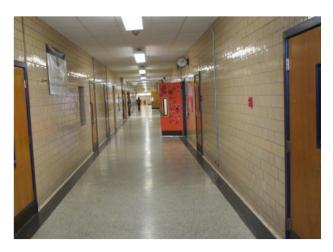
Exterior Side



Exterior Rear



Main Level Entry



Main Level Hallway



First Floor Classroom



First Floor Classroom



Upper Level Hallway



Second Floor Classroom



Upper Level Fitness Room



Upper Level Library



Upper Level Counseling

#### B.4 Summary of Recent Feasibility Studies or Assessments:

The 10-Year Plan's recommendation for Cherry Hill PK-8 #159, based on the 2010 Jacobs building assessment report, is for the building to either be renovated or replaced. The feasibility study will consider and analyze the various options and provide a determination of the best recommendation. The rationale behind this recommendation is as follows:

- The FCI suggests that both renovation and replacement be considered.
- The Cherry Hill PK-8 Building falls below the targeted EAS of 80 for buildings used for instruction in the district, and therefore, does not meet the standard for supporting excellent teaching and learning.
- The closure of Patapsco PK-8 #163 and Dr. Carter G. Woodson PK-8 #160 and the consolidation of its students into Cherry Hill #159 will eliminate excess capacity and reduce maintenance and renovation costs area wide.
- Extensive community engagement and academic planning have resulted in a recommendation for the Cherry Hill Building to serve grades 3-8.

## C. PROPOSED EDUCATIONAL PROGRAMS AND SERVICES

### C. PROPOSED EDUCATIONAL PROGRAMS AND SERVICES

#### C.1 School Grade Organization:

Cherry Hill Elementary/Middle #159 is proposed to be a grade 3-8 school. Cherry Hill will receive students from the PK-2 school at the Arundel building.

Consistent with the Prototype educational specifications, there is the desire to create appropriate separation between the elementary (grade 3 - 5) and middle school (grade 6 - 8) students. This separation is most critical for the instructional spaces where the students spend the majority of their time, but it also applies to the various spaces and functions that are shared by all students. The instructional space separation is most easily addressed through physical separation of the classroom spaces assigned to each grade. The shared space separation is more a matter of location of shared functions and the ability to create paths to these shared spaces that minimize contact between the two segments of the school population.

#### C.2 Proposed Curriculum:

Cherry Hill Elementary/Middle #159 program contains several education programs which will impact the design of the building and the space requirements. These programs are:

- Robotics Lab
- Gateway To Technology

In addition, the Cherry Hill program will contain a city-wide special education PRIDE program at the Middle School grade level.

Specific space requirements for the special curriculum spaces will be discussed in Sections I and J of this educational specification.

#### C.3 Proposed Staff:

Proposed Staff	
Position	Quantity
Assistant Principal	3
Psychologist	2
Librarian	1
General Educators	50
Teacher - Special Education	10
Paraeducator	1
Assistant - Non-	1
Instructional/12mth	
Custodial Worker I/12 mth	4
Educational Associate/10mth	2
Guidance Counselor	2
IEP Team Associate	2
Manager I - Cafeteria	1
Principal	1
Social Worker	2
Speech Pathologist	1
Food Services Worker I/3.5 hrs	3
Food Services Worker/5 Hours	1
Food Services Worker I/6 hrs	1
Teacher - ESOL	1
Team Support Paraprofessional	1

#### C.4 Enrollment Projections:

Grade	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
3	133	132	166	177	158	167	168	164	166	166	166
4	122	132	136	174	182	164	173	173	170	172	172
2	107	133	149	161	196	208	189	198	199	195	198
9	92	109	134	155	164	198	210	185	195	194	192
7	112	26	109	139	166	168	204	216	190	200	201
8	88	105	68	102	138	157	161	195	207	181	193
Total	657	707	783	907	1004	1063	1105	1131	1126	1109	1122
Total ES	362	397	451	511	236	539	530	536	535	534	535
Total MS	295	311	332	396	468	523	276	965	591	575	587

The historical trend projections indicate a larger school than this design. A demographic and census trend analysis was performed on the area, and the results indicated that a smaller school would be sufficient for the population in the area. The school was designed for approximately 900 students based on this study.

#### C.5 Future Programs and Services:

#### **Academic Program Partners**

The Cherry Hill community is working with a local University to create a teacher learning center in both of the new Cherry Hill schools. Cherry Hill will contain a teacher learning unit space for this purpose. The school will be working on partnerships with local businesses and nearby institutions for additional academic program opportunities.

#### **Community Partners**

The Cherry Hill school not only provides resources for its students, but for their families as well. The new facility will build upon the idea of the school as a community landmark that provides an instructional center for students as well as a user-friendly center for the community. The facility will provide programs and access to a variety of resources for the community, in a dedicated and controlled space. The joint use of the school will reinforce the community engagement, instilling a sense of participation, ownership and pride.

#### **Recreation and Parks Partners**

Baltimore City Parks and Recreation plans to build a new facility to serve the Cherry Hill Community. The new facility will be on a site directly adjacent to the Cherry Hill school and will be accessible for the community needs.

## D. PROPOSED SITE REQUIREMENTS

#### D.8 Phasing Requirements

Development of the Cherry Hill school will involve either a renovation project or replacement school. In either case, the existing school program will need to remain in operation. A swing site may or may not be available, and if one is not available the school will remain in operation on site during construction. This will require careful planning and sequencing of construction operations to ensure that delivery of the educational program is not impacted and that students, faculty and administrators are safe. In the case of a renovation project, the goal will be to separate sections of the existing building in sequence to allow renovation work to occur in phases.

## E. EXISTING SITE REQUIREMENTS

Cherry Hill occupies an 11.2 acre parcel in the Cherry Hill Community. The parcel is a full block, bordered by Cherryland Road to the Northeast, Bridgeview Road to the Northwest, and Roundview Road to the South. The existing structure, built in 1945 and 1960, is located on the northern corner of the lot.

Patapsco PK-8 #163 occupies a portion of the lot on the south side. Patapsco was closed in June 2013 and is currently empty.

The 1945 wing of the Cherry Hill school has been designated as historic by the Baltimore Commission on Historic and Architectural Preservation (CHAP), due to the art deco detailing at the entry.

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

The primary school entrance is on the façade facing Bridgeview Road. The front entrance is located above grade, accessible by stairs. An exterior ramp to the building is location on the southwest end of the building. Parking is in a large lot behind the school.

#### E.2 Service access:

The existing service access to the building is in the paved area on the south side of the building, which is accessed from Bridgeview Road. This service access connects to the existing mechanical area, which is in close proximity to the food service area. This access area is also used for parking.

#### E.3 Vehicle and pedestrian access:

Unobstructed pedestrian access is provided to the building from all sides of the site. ADA accessibility to the existing facility occurs at the entrance at the end of the building wing on the southwest side, where a ramp provides access from a sidewalk.

#### E.4 Playing fields/courts/yards:

The existing play area is on the south and west sides of the existing building on a paved court. The paved area is elevated from Cherryland Road, and is surrounded by fencing.

#### E.5 Natural environmental areas:

The majority of the site is paved, with minimal grass areas. In the corner on the south east side of the lot is a small wooded area, with a small field. This area is intended for the future Cherry Hill Recreation Center. There are minimal trees in the "front yard" of the school, along Bridgeview Road.

## F. PROPOSED SITE REQUIREMENTS

## F. PROPOSED SITE REQUIREMENTS

#### F. Proposed Site Requirements

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

There are no specific site requirement deviations from those outlined in the approved Educational Specifications Part 1/Section J.

#### F.2 Service access:

There are no specific site requirement deviations from those outlined in the approved Educational Specifications Part 1/Section J.

#### F.3 Vehicle and pedestrian access:

There are no specific site requirement deviations from those outlined in the approved Educational Specifications Part 1/Section J.

#### F.4 Playing fields/courts/yards:

There are no specific site requirement deviations from those outlined in the approved Educational Specifications Part 1/Section J.

#### F.5 Natural environmental areas:

There are no specific site requirement deviations from those outlined in the approved Educational Specifications Part 1/Section J.

#### F.6 Utilities:

There are no specific site requirement deviations from those outlined in the approved Educational Specifications Part 1/Section J.

#### F.7 Other:

There are no specific site requirement deviations from those outlined in the approved Educational Specifications Part 1/Section J.

# I. GENERAL SCHOOL DESIGN CRITERIA

## I. GENERAL SCHOOL DESIGN CRITERIA

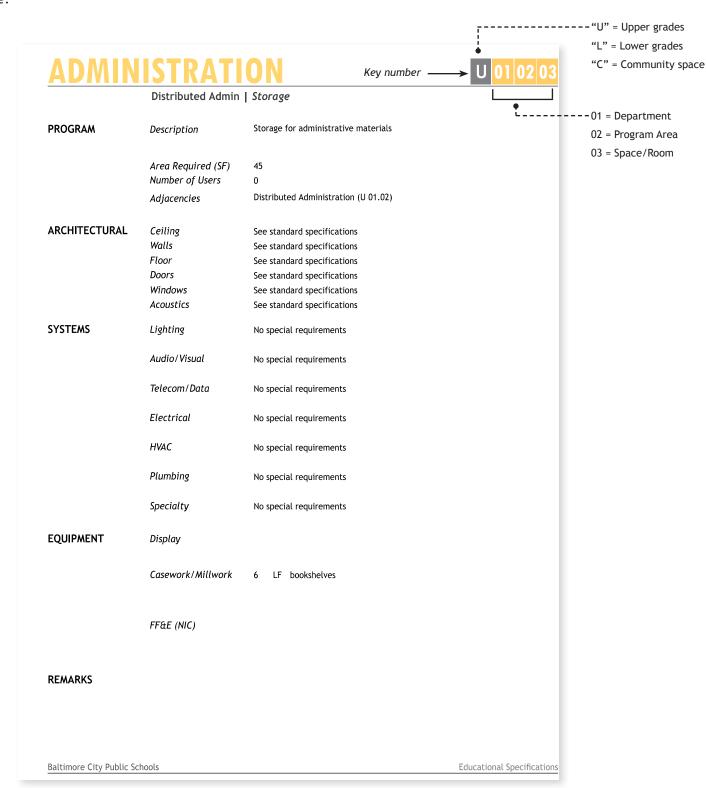
- I. General School Design Criteria
- I.7 Special or Unique Program Requirements: None

# J. INDIVIDUAL SPACE DESCRIPTIONS

### J. INDIVIDUAL SPACE DESCRIPTIONS

This section of the document includes descriptions of the general guidelines and specific room requirements for each area of activity within the building that is different from the approved Educational Specificaitons document.

#### Example:



### **L 02 STUDENT SERVICES**

#### **DESIGN DEVIATIONS FROM PROTOTYPE**

02.03 Student Services / Support Services						
		Description	Ed. Spec. Part 2 / Vol 1 Ref.			
02	03.05	Conference	DIFFERS FROM STANDARD			
04.01	04.01 Special Education / General					
		Description	Ed. Spec. Part 2 / Vol 1 Ref.			
04	01.04	PRIDE Program	DIFFERS FROM STANDARD			
08.01	Technology Educa	ntion / Technology Education  Description	Ed. Spec. Part 2 / Vol 1 Ref.			
08	01.03	Robotics Lab	DIFFERS FROM STANDARD			
08	01.03		DIFFERS FROM STANDARD			
		Robotics Storage				
08	01.06	Gateway to Technology Lab Gateway Supply Storage	DIFFERS FROM STANDARD DIFFERS FROM STANDARD			
09.01	Physical Educatio	n / Physical Education				
	•	Description	Ed. Spec. Part 2 / Vol 1 Ref.			
09	01.06	Wrestling Room	DIFFERS FROM STANDARD			
13.05 Community Space / Community Space						
		Description	Ed. Spec. Part 2 / Vol 1 Ref.			
13	05.01	Parent Room	DIFFERS FROM STANDARD			
13.06	Community Space	e / Teacher Learning Unit				
		Description	Ed. Spec. Part 2 / Vol 1 Ref.			
13	06.01	Classroom	DIFFERS FROM STANDARD			
13	06.02	Conference	DIFFERS FROM STANDARD			
13	06.03	Office	DIFFERS FROM STANDARD			
13	06.04	Storage	DIFFERS FROM STANDARD			

## STUDENT SERVICES



Conference | Support Services

**PROGRAM** Description Primary meeting space for the psychologist, social worker,

parents and students

Area Required (SF) 250 Number of Users 5-10

Adjacencies Psychologist (L 02.03.01); Social Worker (L 02.03.02); Flex

Office (L 02.03.03); Records Storage (L 02.03.04)

ARCHITECTURAL Ceiling See standard specifications

WallsSee standard specificationsFloorSee standard specificationsDoorsSee standard specificationsWindowsSee standard specifications

Acoustics Walls to run to deck above for acoustic privacy

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

EQUIPMENT Display 8 LF tackboard

6 LF markerboard

Casework/Millwork 9 LF low bookshelves

9 LF counter / base cabinets

FF&E (NIC) conference table with 10 chairs

REMARKS N/A

## SPECIAL EDUCATION

PRIDE Program Classroom | General

PROGRAM Description Primary learning space for students in the PRIDE program

Area Required (SF) 900

Number of Users 10+ students; 1-2 teachers

Adjacencies Classrooms (L 03.01)

ARCHITECTURAL Ceiling See standard specifications

WallsSee standard specificationsFloorSee standard specificationsDoorsSee standard specificationsWindowsSee standard specifications

Acoustics Walls to run to deck above for acoustic privacy

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingSink with drinking fountainSpecialtyNo special requirements

**EQUIPMENT** Display 8 LF tackboard

16 F markerboard with tack strip 8 LF markerboard with tack strip

Casework/Millwork 3 LF teacher wardrobe

Millwork 3 LF teacher wardrobe

12 LF counter / wall / base cabinets

FF&E (NIC) 1 teacher desk / chair

16 LF mobile storage

10 mobile workstations / chairs

2 work tables

REMARKS N/A

## TECHNOLOGY EDUCATION



#### Robotics Lab | Technology Education

PROGRAM Description Primary learning space for students in the robotics program

Area Required (SF) 1000

Number of Users 25-30 students, 1 teacher Adjacencies Robotics Storage (L08.01.04)

ARCHITECTURAL Ceiling See standard specifications

WallsSee standard specificationsFloorSee standard specificationsDoorsSee standard specificationsWindowsSee standard specificationsAcousticsSee standard specifications

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

**EQUIPMENT** Display 8 LF tackboard

16 LF markerboard with tack strip 8 LF markerboard with tack strip

Casework/Millwork

FF&E (NIC) 1 teacher desk / chair

30 student chairs15 mobile work tables

3 LF teacher wardrobe

REMARKS N/A

# TECHNOLOGY EDUCATION



Robotics Storage | Technology Education

PROGRAM Description Primary storage space for Robotics materials and student

projects

Area Required (SF) 400 Number of Users 0

Adjacencies Robotics Lab (L08.01.03)

ARCHITECTURAL Ceiling See standard specifications

WallsSee standard specificationsFloorSee standard specificationsDoorsSolid doors, paired 6'-0W wideWindowsSee standard specificationsAcousticsSee standard specifications

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

**EQUIPMENT** Display 4 LF tackboard

Casework/Millwork

FF&E (NIC) 12 LF utility shelves, 24" deep

12 LF utility shelves, 16" deep

#### TECHNOLOGY EDUCATION



Gateway to Technology Lab | Technology Education

**PROGRAM** Description Primary learning space designed to be used by 6-8 grade

students for nationally recognized Gateway to Technology

program.

Area Required (SF) 1200

Number of Users 25-30 students, 1 teacher

Adjacencies Gateway Supply Storage (L08.01.06)

ARCHITECTURAL Ceiling See standard specifications

Walls See standard specifications
Floor See standard specifications
Doors See standard specifications
Windows See standard specifications
Acoustics See standard specifications

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

**EQUIPMENT** Display 8 LF tackboard

16 LF markerboard with tack strip

8 LF markerboard with tack strip

Casework/Millwork 3 LF teacher wardrobe FF&E (NIC) 1 teacher desk / chair

30 student chairs 31 computer stations

# TECHNOLOGY EDUCATION



Gateway Supply Storage | Technology Education

PROGRAM Description Primary storage space for Gateway to Technology materials

and student projects

Area Required (SF) 80 Number of Users 0

Adjacencies Gateway Supply Storage (L08.01.05)

ARCHITECTURAL Ceiling See standard specifications

Walls

Floor

See standard specifications

See standard specifications

Doors

Solid doors, paired 6'-0W wide

Windows

See standard specifications

Acoustics

See standard specifications

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

**EQUIPMENT** Display 4 LF tackboard

Casework/Millwork

FF&E (NIC) 12 LF utility shelves, 24" deep

12 LF utility shelves, 16" deep

# PHYSICAL EDUCATION

Wrestling Room | Physical Education

**PROGRAM** Description Practice space for wrestling in PE and team use

Area Required (SF) 1100 Number of Users 30

Adjacencies Gymnasium (L 09.01.01); Locker Rooms (L 09.01.04)

ARCHITECTURAL Ceiling 16' minimum

Walls Continuous wall pads up to 8'
Floor See standard specifications

Doors Paired, 6'-0" wide, no center post Windows Above 7'-4", provide shades

Acoustics Acoustic treatment to walls and/or deck; locate away from

quiet areas

SYSTEMS Lighting No special requirements

Audio/Visual No special requirements
Telecom/Data No special requirements

Electrical Provide power for electric mat roller

HVAC Ventilation and fresh air intake; humidity / mildew control

Plumbing Sink with drinking fountain

Specialty All exposed devices to be caged / protected or recessed

**EQUIPMENT** Display 8 LF markerboard, no tray

4 LF tackboard

Casework/Millwork

FF&E (NIC) 42" x 42" wrestling mat

**REMARKS** Provide electric mat roller



Parent Room | Community Space

PROGRAM Description Shared space for parent volunteers

Area Required (SF) 250 Number of Users 5-10

Adjacencies Main Office

ARCHITECTURAL Ceiling See standard specifications

WallsSee standard specificationsFloorSee standard specificationsDoorsSee standard specificationsWindowsSee standard specificationsAcousticsSee standard specifications

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

**EQUIPMENT** Display 4 LF tackboard

6 LF markerboard

Casework/Millwork

FF&E (NIC) 1 worktable

10 chairs



Classroom | Teacher Learning Unit

**PROGRAM** Description Primary learning space for persons in the teacher learning

program

Area Required (SF) 900 Number of Users 15-20

Adjacencies Community Space; Teacher Learning Unit Spaces

ARCHITECTURAL Ceiling See standard specifications

WallsVision Panels for observationFloorSee standard specificationsDoorsSee standard specificationsWindowsSee standard specificationsAcousticsSee standard specifications

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

**EQUIPMENT** Display See standard specifications

Casework/Millwork See standard specifications FF&E (NIC) See standard specifications



Conference | Teacher Learning Unit

**PROGRAM** Description Primary meeting space for staff and students in the teacher

learning program

Area Required (SF) 250 Number of Users 5-10

Adjacencies Community Space; Teacher Learning Unit Spaces

ARCHITECTURAL Ceiling See standard specifications

WallsSee standard specificationsFloorSee standard specificationsDoorsSee standard specificationsWindowsSee standard specificationsAcousticsSee standard specifications

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

**EQUIPMENT** Display 8 LF tackboard

6 LF markerboard

Casework/Millwork 9 LF low bookshelves

9 LF counter / base cabinets

FF&E (NIC) conference table with 10 chairs



Office | Teacher Learning Unit

**PROGRAM** Description Primary work space for staff of the teacher learning

program

Area Required (SF) 100

Number of Users 1 user, 2 guests

Adjacencies Community Space; Teacher Learning Unit Spaces

ARCHITECTURAL Ceiling See standard specifications

WallsSee standard specificationsFloorSee standard specificationsDoorsProvide sidelight with blindWindowsSee standard specifications

Acoustics Walls to run to deck above for acoustic privacy

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

**EQUIPMENT** Display See standard specifications

Casework/Millwork See standard specifications FF&E (NIC) See standard specifications



Storage | Teacher Learning Unit

**PROGRAM** Description Storage room for materials and supplies for the teacher

learning program

Area Required (SF) 150 Number of Users 0

Adjacencies Community Space; Teacher Learning Unit Spaces

ARCHITECTURAL Ceiling See standard specifications

Walls See standard specifications
Floor See standard specifications

Doors Solid rated door

Windows See standard specifications
Acoustics See standard specifications

SYSTEMS Lighting No special requirements

Audio/VisualNo special requirementsTelecom/DataNo special requirementsElectricalNo special requirementsHVACNo special requirementsPlumbingNo special requirementsSpecialtyNo special requirements

**EQUIPMENT** Display See standard specifications

Casework/Millwork See standard specifications FF&E (NIC) See standard specifications

# L. SUMMARY OF SPATIAL REQUIREMENTS

# L. SUMMARY OF SPATIAL REQUIREMENTS

Cherry Hill Elementary/Middle School, Grades 3-8 10/13/2014	4 SECTION SCHOOL PROTOTYPE	SCHOO	L PROTO	YPE								6 SECT	6 SECTION SCHOOL	OL			
ROOM/SPACE	TEACHING STATIONS	илмвек ерсн	SF EACH	JATOT X11AT32	SF TALLY ES FTE	MS FTE	ETE FTE	SPEC FTE	TEACHING STATIONS	илмвек ерсн	SF EACH	J <del>∆</del> ТОТ	SF TALLY	ES FTE	MS FTE	<b>317 31</b> 0	SPEC FTE
01 ADMINISTRATION																	
01.01 Main Office				1,	1,885								1,885				
01.01.01 GENERAL RECEPTION		-		00						-	200	200					
		-		20						-	250	250					
		-		00						-	200	200					
		_		20						<b>-</b>	150	150					
	_	_		5						-	75	75					
01.01.06 PRINCIPAL		·-		20						-	150	150					
01.01.07 ASSISTANT PRINCIPAL		. 2	120 2	240						2	120	240					
01 01 08 ELEX OFFICE		,		2						~	100	300					
	_	o ←		3 5						o +	3 8	900					
		-		2						-	07	8					
01.02 Faculty Support				8	350								350				
01.02.01 FACULTY LOUNGE	_	-	350 3	350						-	350	350					
02 STUDENT SERVICES																	
					800								800				
		m		00						က	100	300					
		·-	150 1	150						-	150	150					
02.01.03 CONFERENCE		<del>-</del>		20						-	350	320					
02.02 Health Suite				80	840								840				
02.02.01 WAITING AREA		-								-	100	100					
			100 2	200						2	100	200					
		. 7		00						2	150	300					
02.02.04 OFFICE		·-		00						-	100	100					
02.02.05 STORAGE		_		요						-	40	40					
02.02.06 STUDENT TOILET		· -		00						-	100	100					
02 03 Support Services				rc.	575								825				
02:03 3:01 PSYCHOLOGIST		_			,					-	100	100	2				
		<u></u>		00						-	100	100					
	_	ر	100	300						က	100	300					
		_		5						<b>-</b>	75	75					
02.03.05 CONFERENCE										-	250	250					
																	_

Cherry Hill Elementary/Middle School, Grades 3-8		A SECTION SCHOOL BOOTOTOE	CONCO	TOTOGG	Ä								IOOHOS NOITOES S	COL			
10/13/2014		4 SECTION	SCHOOL	PROTOT	n n				-				O SECTION S	CHOOL			
	ROOM/SPACE	TEACHING STATIONS	NUMBER EACH	JATOT	SF TALLY	ES FTE	MS FTE	STE FTE	SPEC FTE	TEACHING STATIONS  HOMBER EACH	SF EACH	JATOT	SF TALLY	ES FTE	MS FTE	ETF ETE	SPEC FTE
03 TEACHING AND LEARNING	NING																
03.01 Classrooms					21,600								32,400				
03.01.05 GF	GRADES 3-4-5	12	12 90	900 10800		276								414			
03.01.08 GF	GRADES 6-7-8				00		300			18	18 900	16200	00		450		
03.02 Shared Spaces					11,550	0							006'6				
	COLLABORATIVE LEARNING AREA		2 6	900 6300	0 :					9	006	5400	0				
	RESOURCE		7 25		0					9			0				
	TEACHER PLANNING		7 30		0 (					9			0				
03.02.04 ST	STORAGE		7 20		0					9			0				
		ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı	1
04 SPECIAL EDUCATION																	
04.01 General					4,720								4,960				
	CLASSROOM	2	5 90		0				20	3			0				30
	OFFICE		1,	120 120	0					e	120	360					
04.01.03 RE	RECORDS STORAGE		1		0					_							
04.01.04 PR	PRIDE PROGRAM									2 2			0				20
					330								330				
	OT/PT		1 20		0					_	200						
	OT/PT STORAGE		1 8	80 80						_	80	80					
04.02.03 ST	STUDENT TOILET		7							_	20						
05 SCIENCES																	
05.01 Elementary Science	ience				1,000								1,200				
05.01.01 LAB	8.		1 90	006 006							100	0001 0	0				
05.01.02 PR	PREP/STORAGE		+		0					_	200						
05.02 Middle Science	<b>.</b>				2,200								2,200				
	8.	2	2 10	1000 2000	0		20			2 2	1000	2000	0		20		
05.02.02 PR	PREP/STORAGE				0					_			_				
									_								_

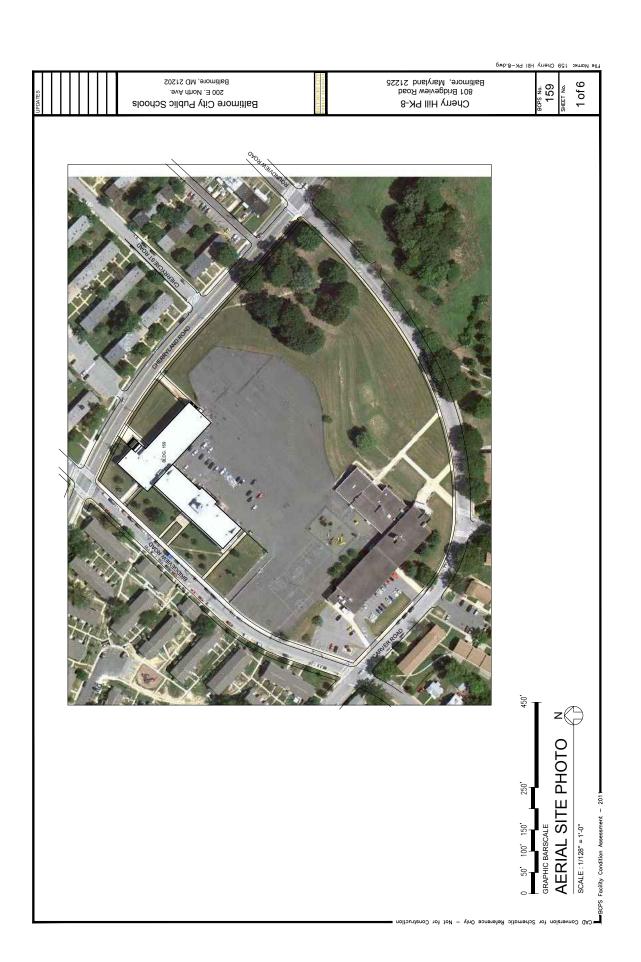
Cherry Hill Elementary/Middle School, Grades 3-8 10/13/2014		4 SECTION	SCHOOL	SECTION SCHOOL PROTOTYPE	36								6 SECTION SCHOOL	CHOOL			
	ROOM/SPACE	TEACHING STATIONS	NUMBER EACH SF EACH	JATOT	SF TALLY	ES FTE	MS FTE	STE FTE	SPEC FTE	TEACHING STATIONS	SF EACH	JATOT	SF TALLY	ES FTE	MS FTE	ETT ETT	SPEC FTE
06 FINE ARTS																	
06.01 Visual Arts					2,400								2,300				
	STUDIO										2 100		0 .				
06.01.03	KILN		1 100	100							100	100					
					2,350								2,350				
06.01.01	LARGE REHEARSAL		1 1200	00 1200	0						1200	0 1200	0.				
	STORAGE									,,	. 93( 2 15(						
07 SPECIALS																	
07.01 Foreign Language	guage				1,000								1,000				
07.01.01	CLASSROOM		1 900	006 0							1 900		0				
07.01.02	STORAGE		10,								100	0 100	0				
08 TECHNOLOGY EDUCATION	CATION																
08.01 Technology Education	Education				086								3,660				
	FOUNDATIONS OF TECH LAB		1 900	006 0							1 900		0				
	SUPPLY STORAGE		1 80								1 80		_				
08.01.03	ROBOTICS LAB									_	100		0.		25		
08.01.04	ROBOTICS STORAGE										1 400		0				
08.01.05	GATEWAY TO TECHNOLOGY LAB									_	1200	0 1200	0.		25		
08.01.06	GATEWAY SUPPLY STORAGE										1 80						
09 PHYSICAL EDUCATION	NO																
09 01 Physical Education	noitean				7 850						ı		8 950	ı	ı	ı	
09.01.01	GYMNASIUM		1 650								1 650						
	OFFICE		1 15								1 150		)				
09.01.03	GYM STORAGE		1 40								1 400		0				
	LOCKERS/CHANGING ROOMS		2 200	0 400							2 200	0 400	0				
	STUDENT SHOWERS/TOILET		4 10							-	4 100		0				
09.01.06	WRESTLING ROOM										110		0				
									_								_

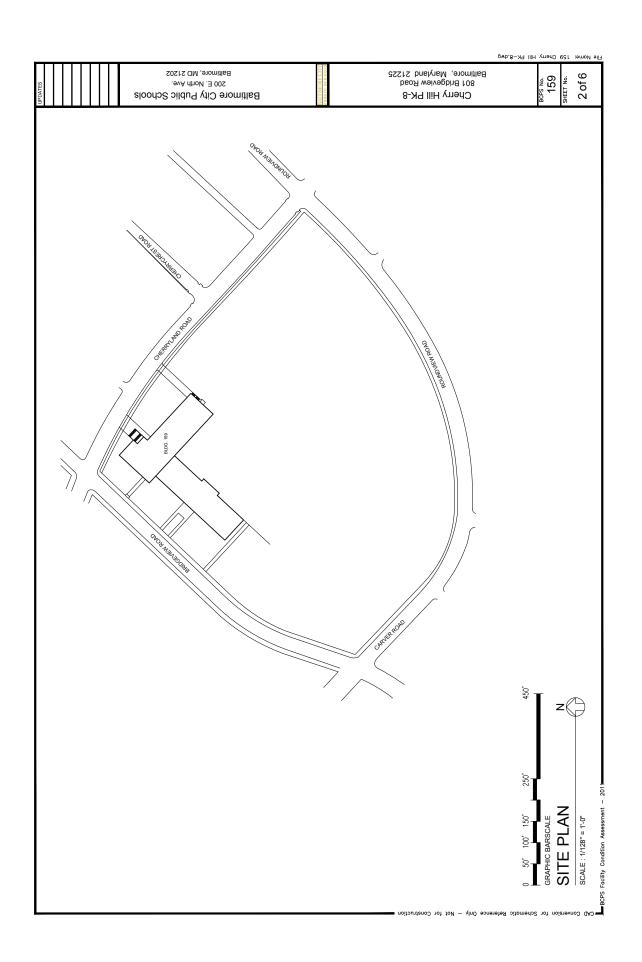
Cherry Hill Flementary/Middle School Grades 3.8	adoc 3.8																
10/13/2014		4 SECTION	SCHOOL F	SECTION SCHOOL PROTOTYPE	ш								6 SECTION SCHOOL	СНООГ			
ROOM/SPACE	PACE	TEACHING STATIONS	SE EACH	JATOT	SF TALLY	E\$ FTE	MS FTE	3TF 3T5	SPEC FTE	TEACHING STATIONS	SE EACH NUMBER EACH	ar EACH	SF TALLY	ES FTE	MS FTE	<b>317 310</b>	SPEC FTE
10 MEDIA																	
10.01 Media Center					3,100								3,100				
10.01.01 MEDIA ROOM			1 2400								1 24		Qt.				
			1 250	250							1 25	250 250	0				
10.01.03 STORAGE			300								1 30		0				
10.01.04 HEAD END ROOM	 W0		1 150								1		0				
10.02 Communications/TV					950								950				
10.02.01 VIDEO STUDIO			800								1 80						
			150	150						•		150 150	o c				
			<u>.</u>								-		•				
11 FOOD SERVICES																	
11.01 Dining					4,900								5,950				
11.01.01 DINING			1 3500								1 45	ľ	00				
11.01.02 FURNITURE STORAGE	ORAGE		1 250								1 4(		0				
11.01.03 STAGE			1000	1000							1 90	006 006	0				
11.01.04 STAGE STORAGE	3E		150								1		0				
11 02 Food Service					2 585								2 685				
11 02 01 KITCHEN			006								10,						
	_		3 225	675						.,	. 22	225 675	2 2				
			1 80								- 8		_				
11.02.04 WALK-IN FREEZER	ZER		175								1,		2				
	LER		175								1,		2				
11.02.06 DRY STORAGE			1 200								1 20		0				
11.02.07 DISH ROOM/TRAY RETURN	RAY RETURN		1 200							•	1 20		0				
11.02.08 SOAP STORAGE			30								3.		_				
11.02.09 CAN WASH	_		1 50								1.5		_				
11.02.10 LOCKER/TOILET			100								1		0				

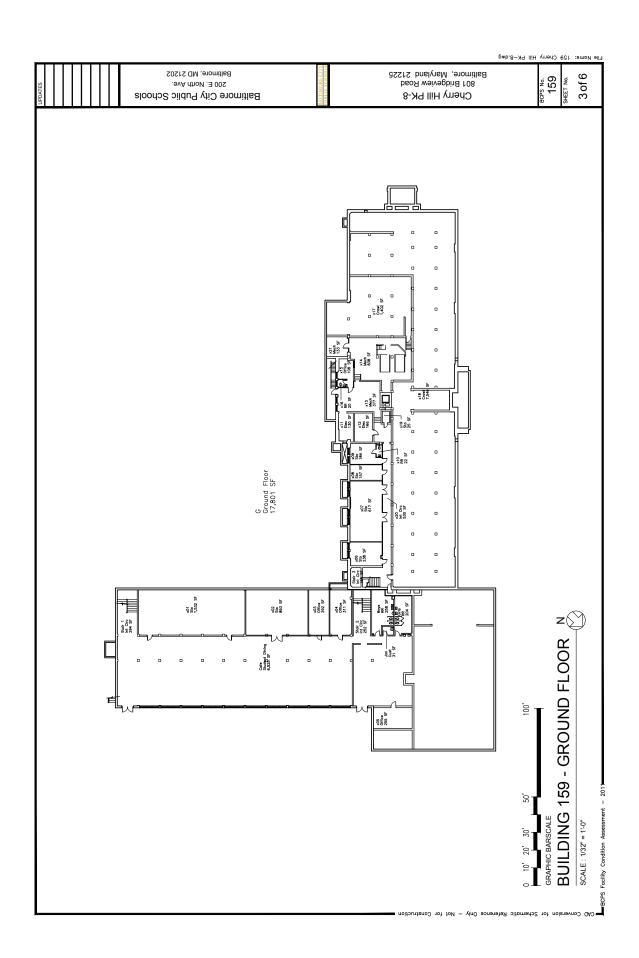
Cherry Hill Elementary/Middle School, Grades 3-8		TAXABLE TO TO TO TO TO TO TO TO		7	Ļ								COLOG ROLLOTO	Ö			
**************************************	ROOM/SPACE	TEACHING STATIONS	NUMBER EACH SF EACH	JATOT	T TALLY	ES FTE	MS FTE	3TF 3TO	SPEC FTE	TEACHING STATIONS THOMBER EACH	SF EACH	AATOT	SE TALLY	ETT SE	MS FTE	<b>3</b> 11 310	SPEC FTE
12 BUILDING SERVICES																	
12.01 Maintenance/Operations	/Operations				1,490								1,590				
12.01.01 F	RECEIVING		1 250							_	250						
	CENTRAL STORAGE		1 25(							_	250						
	OPERATIONS OFFICE		100	100						_	100	100					
12.01.04 L	LOCKERS/SHOWERS/TOILETS		120							_	120						
12.01.05 S	SECURITY OFFICE		120							_	120						
	CUSTODIAL CLOSETS		2 60							2	09						
12.01.07 F	RECYCLING		1 25(							_	350						
12.01.08	OUTDOOR STORAGE		100							_	100						
					400								400				
12.02.01 S	STAFF TOILET		8 50	400						80	20	400					
13 COMMUNITY SPACE													ı				
13.01 Family Resource Suite	irce Suite				280								280				
13.01.01 F	FAMILY RESOURCE ROOM		150							-	150						
	OFFICE		1 80	80						_	80	80					
13.01.03 T	TOILET		1 50							_	20						
13.02 Out of School Time Support	Time Support				230								230				
13.02.01	STORAGE		100							_	100						
	PANTRY		1 50	20						_	20	20					
13.02.03	OFFICE		1 80							_	80						
					280								280				
	PANTRY		1 80							_	80						
	PERSONAL CARE		100	100						_	100	100					
13.03.03 L	LAUNDRY		100							_	100						
13.04 Community Use	Jse				0								460				
13.04	UNPROGRAMMED COMMUNITY USE									_	460	460					

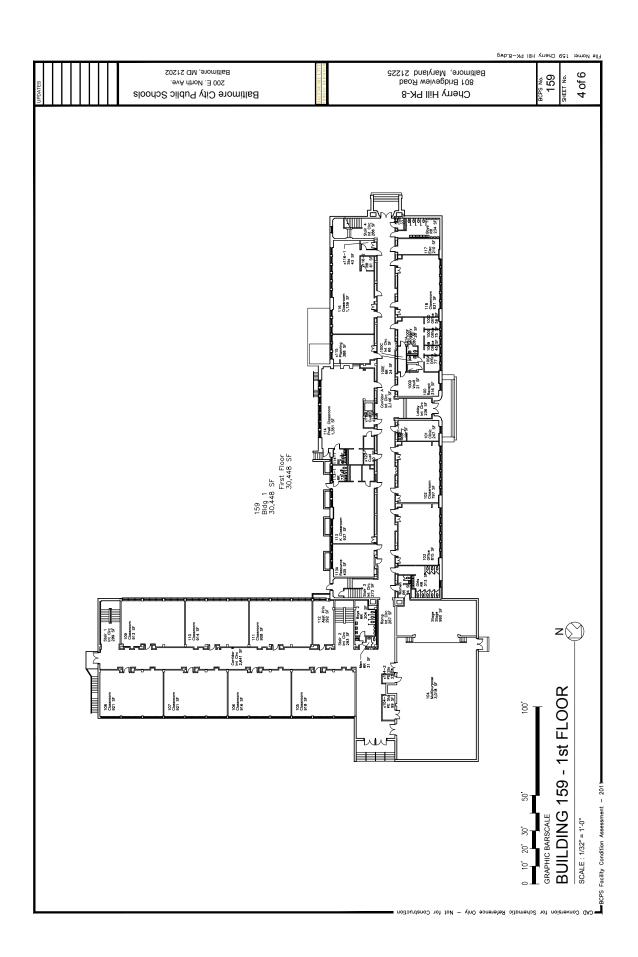
Chorne Lill El	Chown Lill Elomontany/Middle School Grades 2.9																
10/13/2014	Constitution of the control of the c	4 SECTION SCHOOL PROTOTYPE	SCHOOL PR	OTOTYPE								6 SF	6 SECTION SCHOOL	JOC			
	ROOM/SPACE	TEACHING STATIONS	SF EACH	JATOT	YLJAT 38	ES FTE	MS FTE	CTE FTE SPEC FTE	TEACHING STATIONS	NUMBER EACH	2Ł EVCH	JATOT	SF TALLY	ES FTE	MS FTE	OTE FTE	SPEC FTE
13.	13.05 Community Space				0								250				
	13.05.01 PARENT ROOM									-	250	250					
13.	13.06 Teacher Learning Unit				0								1,500				
	13.06.01 CLASSROOM 13.06.02 CONFERENCE 13.06.03 OFFICE 13.06.04 STORAGE									0-	900 250 100 150	900 250 200 150					
	Total Capacity							9	624						932		
	Total Teaching Stations/				34								45		,— - — · i		
	Total Net Square Footage				74,645								91,625				
	TOTAL GROSS AREA (1.4 X)		ļ	-	104,503	   		ļ		ļ	į į		128,275	į	   		
	Middle School Capacity			į į	350		 	İ	 				550		   		
_	85% (per State Requirements)				298								468				
	85% (per State Requirements)				•								•				
	Elementary School Capacity				276								414				
	Special Education				20								20				
	TOTAL SCHOOL CAPACITY				624								932				
			     			ļ ļ	 	İ						i i	     		

# M. APPENDIX









File Name: 129 Cherry Hill PK-8.dwg Cherry Hill PK-8 801 Bridgeview Road Baltimore, Maryland 21225 Baltimore, MD 21202 5 of 6 BCPS No. 159 Baltimore City Public Schools 200 E. North Ave. 02 Second Floor 29,476 SF ×104 Open / Void 4,042 SF 210 Classroom 921 SF 208 Classroom 918 SF 209 Spec Ed 916 SF 207 Principal 510 SF SCALE: 1/32" = 1'-0"

