





# PreK-8

## **PREK-8 ADVANCEMENT OPPORTUNITIES** **294**

Program Summary **296**

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## **Recommendations** **308**

New Builds  
Modernizations/Expansions

# PreK-8 Advancement Opportunities

## PreK-8 Program Summary

The following program of spaces for the proposed new PreK-8 facilities was populated based on feedback gathered during programming workshops and from a cross reference of programs from various standards, including: North Carolina Public Schools Facilities Guidelines, Austin Public Schools Educational Specifications, and the Portland Public Schools Educational Specifications. It also draws from virtual tours and precedents such as Jefferson Terrace Academy and Capps Middle School.

Projects that are focused on modernizations/expansions are derivative of these programs to ensure equity between the new and existing schools.

The program of spaces is divided into eight main categories of square footage that are then combined to generate a total proposed square footage for a PreK-8 facility. There is also an addition of 20% net to gross area, based on industry standards as applied to the Virgin Islands.

These categories include: 1) administration, 2) core academics, 3) elective spaces, 4) media center, 5) SPED services, 6) food services, 7) physical education, and 8) building support. A ninth site category can also be found at the bottom of the program of spaces, but it does not account for any square footage and serves solely as a check-list of site elements that would potentially need to be considered on a PreK-8 campus.

Each campus is further broken down by age, through communities of elementary and middle school students. In order to provide appropriate collaboration space among age appropriate cohorts, there will be separate K-5 learning suites and 6-8 learning suites.

The optimum capacity for the PreK-8 has been calculated based on the learning suite layouts along with the maximum number of students per class within each grade level. The calculations are laid out in the following chart.

	1 Section	2 Sections	3 Sections	4 Sections	5 Sections
Pre-K	17	17	17	17	17
<b>TOTALS</b>	<b>17</b>	<b>34</b>	<b>51</b>	<b>68</b>	<b>85</b>

K	25	25	25	25	25
First	30	30	30	30	30
Second	30	30	30	30	30
Third	30	30	30	30	30
Fourth	30	30	30	30	30
Fifth	30	30	30	30	30
<b>TOTALS</b>	<b>175</b>	<b>384</b>	<b>525</b>	<b>700</b>	<b>875</b>

Sixth	30	30	30	30	30
Seventh	27	27	27	27	27
Eighth	27	27	27	27	27
<b>TOTALS</b>	<b>84</b>	<b>168</b>	<b>252</b>	<b>336</b>	<b>420</b>

<b>TOTAL</b>	<b>1070</b>				
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*Capacity calculations*

**U.S. Virgin Islands PK-8 Planning Program**

**Revised 6/22/2020**

**1,070 Target Capacity**

**Program Area**

**Functional Capacity**

1.0	Administration		6,630
2.0	Core Academic		65,200
3.0	Elective Spaces		6,400
4.0	Media Center		4,850
5.0	SPED Services		2,350
6.0	Food Service		12,400
7.0	Physical Education		10,870
8.0	Building Support		650

1,070

**Total Useable Area (Net Square Feet- NSF):** **109,350**

**1,070**

**General Building Area: Walls, Partitions, Mech. Elec., Circulation:** *25% of Net SF* **27,338**

*(20% of Gross)*

*\*Based on Industry standards that include outdoor circulation*

**Total Building Area (Gross Square Feet- GSF):** **136,688**

*\*Additional Covered Outdoor Learning Spaces* *5% of Net SF* *5,468*

**TOTAL BUILDING AREA WITH OUTDOOR LEARNING** **142,155**

*\*All new buids should be refined and reduced by 10% in order to meet budgetary requirements*

# PreK-8 Advancement Opportunities

Description of Program, Department or Unit	Planning Program			Functional Capacity			NOTES
	# of Units	Unit Area (nsf)	Total Area (nsf) Requirement	# of Teacher Stations	# of Students per Teaching Station	Learning Community Functional Capacity	
<b>1.0 Administration</b>							
<b>1.1 Administration Offices</b>							
Main School Lobby (w/ restrooms)	1	600	600				This includes safe & secure vestibule
Reception	1	300	300				
Secretary/Bookkeeper Office	1	150	150				
Principal Office (w/ restroom)	1	250	250				
Assistant Principal Office	2	150	300				
Conference Room	1	200	200				
Staff Work/Mail	1	400	400				
Faculty Lounge	1	400	400				
SRO Office	1	150	150				
Monitors' Office	1	150	150				
Supply Room	1	75	75				
Toilet	2	50	100				
Mother's Room	2	100	200				
Office Supply Storage	1	75	75				
Parent Center	1	400	400				
Subtotal			3,750				
<b>1.2 Student Services</b>							
Reception/Guidance Clerk	1	150	150				
Counselor's Office	2	120	240				
Registrar's Office	1	120	120				
Time-Out/Tardy Room	2	400	800				
Speech Therapy	1	250	250				
Record's Room	1	200	200				
Conference Room	1	200	200				
Storage/Work Area	1	120	120				
Subtotal			2,080				
<b>1.3 Health Clinic</b>							
Exam/Cot	1	350	350				
Office	1	150	150				
Infirmary	1	200	200				
Toilet	1	100	100				Include shower - ADA
Subtotal			800				

Description of Program, Department or Unit	Planning Program			Functional Capacity			NOTES
	# of Units	Unit Area (nsf)	Total Area (nsf) Requirement	# of Teacher Stations	# of Students per Teaching Station	Learning Community Functional Capacity	

**2.0 Core Academic**

**2.1 Pre-K Core Academic**

Pre-K Learning Suite-- Studio w/RR	2	1,200	2,400	2	17	34	
Outdoor Learning Space							
Subtotal			2,400			34	

**2.2 Elementary Core Academic**

<b>Learning Suite 1-- Studio w/RR (Kinder)</b>	1	1,200	1,200	1	25	25	
<b>Learning Suite 1-- Studio (1st-5th)</b>	5	850	4,250	5	30	150	
Flex Studio	1	800	800				
Resource Studio							
Open Collaboration Space	1	1,000	1,000				
Maker Space	1	400	400				
Small Group Instruction	2	200	400				
Teacher Planning	1	600	600				
Learning Suite Storage	1	400	400				
Student Restrooms	2	300	600				
Staff Restroom	1	100	100				
Custodial	1	100	100				
<b>Shared Outdoor Learning Space #1</b>							
<b>Learning Suite 2-- Studio w/RR (Kinder)</b>	1	1,200	1,200	1	25	25	
<b>Learning Suite 2-- Studio (1st-5th)</b>	5	850	4,250	5	30	150	
Flex Studio	1	800	800				
Resource Studio							
Open Collaboration Space	1	1,000	1,000				
Maker Space	1	400	400				
Small Group Instruction	2	200	400				
Teacher Planning	1	600	600				
Learning Suite Storage	1	400	400				
Student Restrooms	2	300	600				
Staff Restroom	1	100	100				
Custodial	1	100	100				
<b>Shared Outdoor Learning Space #2</b>							
<b>Learning Suite 3-- Studio w/RR (Kinder)</b>	1	1,200	1,200	1	25	25	
<b>Learning Suite 3-- Studio (1st-5th)</b>	5	850	4,250	5	30	150	
Flex Studio	1	800	800				
Resource Studio							
Open Collaboration Space	1	1,000	1,000				
Maker Space	1	400	400				
Small Group Instruction	2	200	400				
Teacher Planning	1	600	600				
Learning Suite Storage	1	400	400				
Student Restrooms	2	300	600				
Staff Restroom	1	100	100				
Custodial	1	100	100				

Includes two 50 sf Phone Rooms

Includes two 50 sf Phone Rooms

Waiting for district direction

Includes two 50 sf Phone Rooms

# PreK-8 Advancement Opportunities

Description of Program, Department or Unit	Planning Program			Functional Capacity			NOTES
	# of Units	Unit Area (nsf)	Total Area (nsf) Requirement	# of Teacher Stations	# of Students per Teaching Station	Learning Community Functional Capacity	
Learning Suite 4-- Studio w/RR (Kinder)	1	1,200	1,200	1	25	25	
Learning Suite 4-- Studio (1st-5th)	5	850	4,250	5	30	150	
Flex Studio	1	800	800				
Resource Studio							
Open Collaboration Space	1	1,000	1,000				
Maker Space	1	400	400				
Small Group Instruction	2	200	400				
Teacher Planning	1	600	600				
Learning Suite Storage	1	400	400				
Student Restrooms	2	300	600				
Staff Restroom	1	100	100				
Custodial	1	100	100				
Subtotal			39,400			700	Includes two 50 sf Phone Rooms

## 2.3 Middle School Core Academic

6th Grade Learning Suite-- Studio	3	850	2,550	3	30	90	
6th Grade Learning Suite-- Science Lab	1	1,000	1,000	1	30	30	
Flex Studio	1	800	800				
Resource Studio							
Open Collaborative Space	1	1,000	1,000				
Maker Space	1	400	400				
Small Group Instruction	2	200	400				
Teacher Planning	1	450	450				
Learning Suite Storage	1	400	400				
Student Restrooms	2	300	600				
Staff Restroom	1	100	100				
Custodial	1	100	100				
7th Grade Learning Suite-- Studio	3	850	2,550	3	27	81	
7th Grade Learning Suite-- Science Lab	1	1,000	1,000	1	27	27	
Flex Studio	1	800	800				
Resource Studio							
Open Collaborative Space	1	1,000	1,000				
Maker Space	1	400	400				
Small Group Instruction	2	200	400				
Teacher Planning	1	450	450				
Learning Suite Storage	1	400	400				
Student Restrooms	2	300	600				
Staff Restroom	1	100	100				
Custodial	1	100	100				
8th Grade Learning Suite-- Studio	3	850	2,550	3	27	81	
8th Grade Learning Suite-- Science Lab	1	1,000	1,000	1	27	27	
Flex Studio	1	800	800				
Resource Studio							
Open Collaborative Space	1	1,000	1,000				
Maker Space	1	400	400				
Small Group Instruction	2	200	400				
Teacher Planning	1	450	450				
Learning Suite Storage	1	400	400				
Student Restrooms	2	300	600				
Staff Restroom	1	100	100				
Custodial	1	100	100				
Shared Outdoor Space for 6-8							
Subtotal			23,400			336	Includes two 50 sf Phone Rooms

Description of Program, Department or Unit	Planning Program			Functional Capacity			NOTES
	# of Units	Unit Area (nsf)	Total Area (nsf) Requirement	# of Teacher Stations	# of Students per Teaching Station	Learning Community Functional Capacity	
<b>3.0 Elective Spaces</b>							
<b>3.1 Fine Arts</b>							
							Combined Fine Arts Suite that is central to all Learning Suites
Fine Arts Labs	2	1,400	2,800				
Instrument Storage	1	400	400				
Art Supply Storage	1	200	200				
Outdoor Learning Space							
Subtotal			3,400				
<b>3.2 Other Elective Spaces</b>							
Other Elective Spaces	2	1,400	2,800				
Storage	1	200	200				
Subtotal			3,000				
<b>4.0 Media Center</b>							
<b>4.1 Media Center</b>							
Media Center	1	4,300	4,300				Combined, but with ability to have different areas for PK-5 & 6-8
Book/General Storage	1	200	200				
Office (w/ restroom)	1	150	150				
Workroom (w/ sink)	1	200	200				
Subtotal			4,850				
<b>5.0 Special Education Services</b>							
<b>5.1 Special Education Services</b>							
Self-Contained Studio	2	1,000	2,000	2	15	30	
Shared Restroom	1	150	150				With Shower
Shared Kitchenette/Laundry Room	1	200	200				
Subtotal			2,350			30	*NOT COUNTED IN CURRENT CAPACITY



# PreK-8 Advancement Opportunities

Description of Program, Department or Unit	Planning Program			Functional Capacity			NOTES
	# of Units	Unit Area (nsf)	Total Area (nsf) Requirement	# of Teacher Stations	# of Students per Teaching Station	Learning Community Functional Capacity	
<b>6.0 Food Service</b>							
<b>6.1 Food Service</b>							
PK-5 Dining Area	1	4,300	4,300				WILL ALSO BE COMMUNITY/MULT-PURPOSE ROOM; 706 (66% of student body) / 2 lunch periods = 353 students @ once; <b>353 students x 12 sf each = 4,300 sf</b>
PK-5 Outdoor Covered Dining/Play Area							
Shared Stage	1	1,000	1,000				Opens to both dining areas; Adjacency or proximity to Music Rooms Store Outdoor furniture
Chair Storage (300 chairs)	1	200	200				
Boys Restroom w/ Changing Room	1	400	400				
Girls Restroom w/ Changing Room	1	400	400				
6-8 Dining Area	1	2,200	2,200				364 (34% of student body) / 2 lunch periods = 182 students @ once; <b>182 students x 12 sf each = 2,200 sf</b>
6-8 Outdoor Covered Dining/Play Area							
Serving Area	1	1,200	1,200				20% of 6,000 sf dining space = 1,200 sf; Could be 2 separate serving areas
Kitchen	1	1,000	1,000				
Office (w/ restroom)	1	150	150				
Dishwashing Room	1	225	225				
Dry Storage	1	300	300				
Cooler/Freezer	1	600	600				
Restroom/Lockers	1	200	200				
Locker Room (w/ restroom)	1	125	125				
Laundry/Chemical Storage	1	100	100				
Subtotal			12,400				
<b>7.0 Physical Education</b>							
<b>7.1 Physical Education</b>							
Gymnasium (seats 600)	1	7,500	7,500				
Physical Education/Health Classroom	1	900	900				
Locker Room/Restroom	2	800	1,600				
PE/Coach Office	1	120	120				
PE Storage	1	250	250				
Indoor Exercise Room (Weight)	1	500	500				
Subtotal			10,870				

Description of Program, Department or Unit	Planning Program			Functional Capacity			NOTES
	# of Units	Unit Area (nsf)	Total Area (nsf) Requirement	# of Teacher Stations	# of Students per Teaching Station	Learning Community Functional Capacity	
<b>8.0 Building Support</b>							
<b>8.1 Maintenance &amp; Custodial</b>							
Receiving Storage/Locker Area	1	200	200				
Office/Planning Area	1	100	100				
Custodial Equipment/Supply	2	150	300				
Restroom	1	50	50				
Subtotal			650				
<b>9.0 Site</b>							
<b>9.1 Site</b>							
Shared PK & K Playground							
1-5 Playground							
Multi-purpose field							
Basketball Courts							
Gardens							
Parking for XXX							

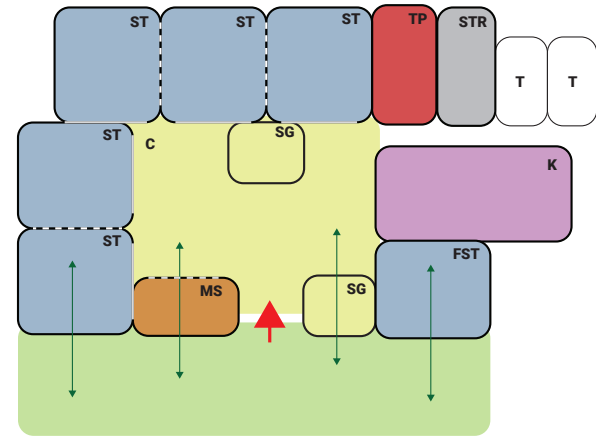
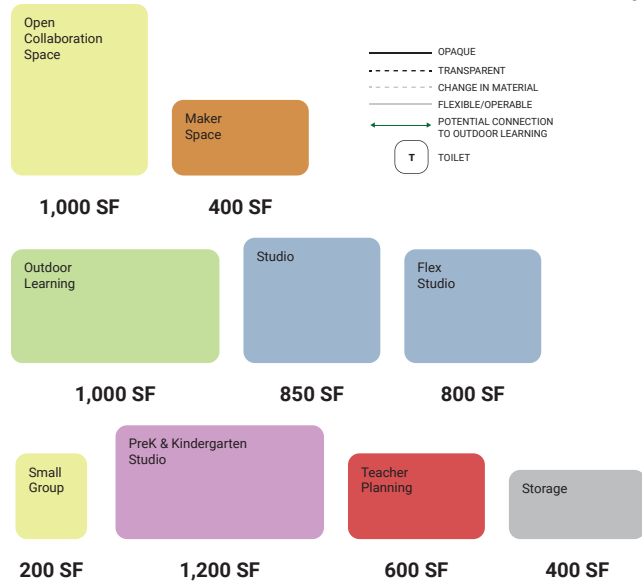
# PreK-8 Advancement Opportunities

## Adjacency Strategies/Learning Suites

Having a program of spaces is essential to identifying and further developing various space types, which ultimately serve as a kit of parts for a building.

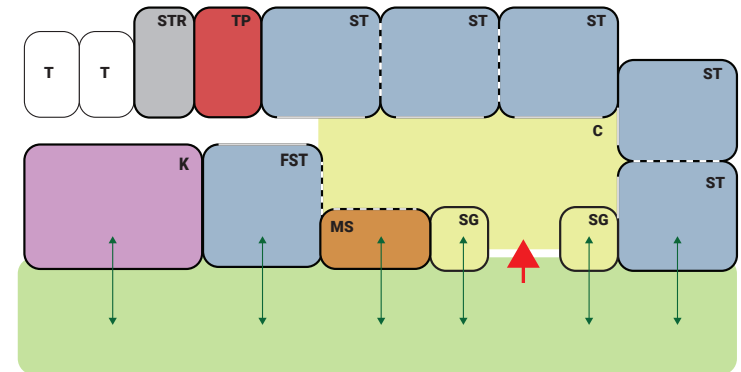
These space types can then be manipulated or arranged in various ways to generate different learning suite layout options that best fit the needs of future-facing learning practices in the USVI. Based on the key space types that were identified in the visioning process and informed by national benchmarks, learning suite solutions were created for various grade levels. The following layouts can be applied across modernizations/expansions and new builds.

### K-5 Learning Suite Program Key

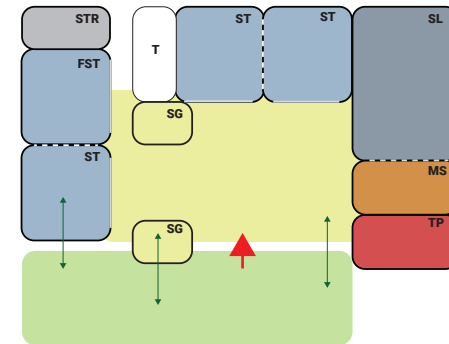


K-5 Learning suite Central program layout - total student capacity: 175

K-5 Learning suite Linear program layout - total student capacity: 175

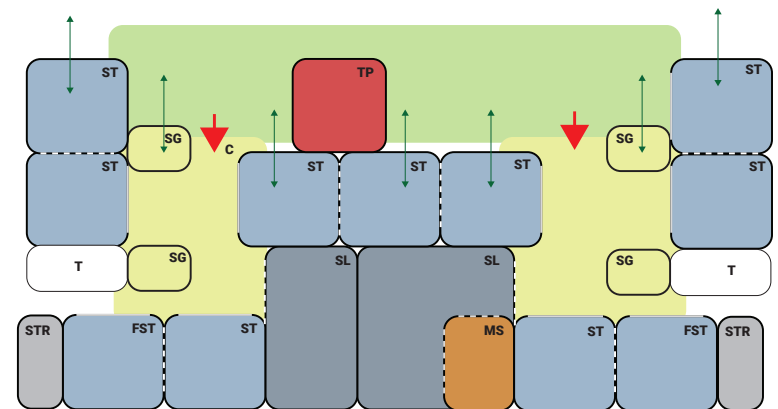


### 6-8 Learning Suite Program Key



6-8 Learning suite One grade level - total student capacity: 120

6-8 Middle school Grades 6-8 - total student capacity: 360



# PreK-8 Program Summary

## Adjacency Strategies/Learning Suites Precedents

### Jefferson Terrace Academy

East Baton Rouge Parish School District I Baton Rouge, Louisiana

*Grade levels are paired together in learning communities to foster collaborative learning and vertical opportunities for students excelling past their grade level.*

The learning suite diagrams to the right illustrate three scenarios that were explored during design. The layout below illustrates the final iteration.



Option 03



Option 02



Option 01



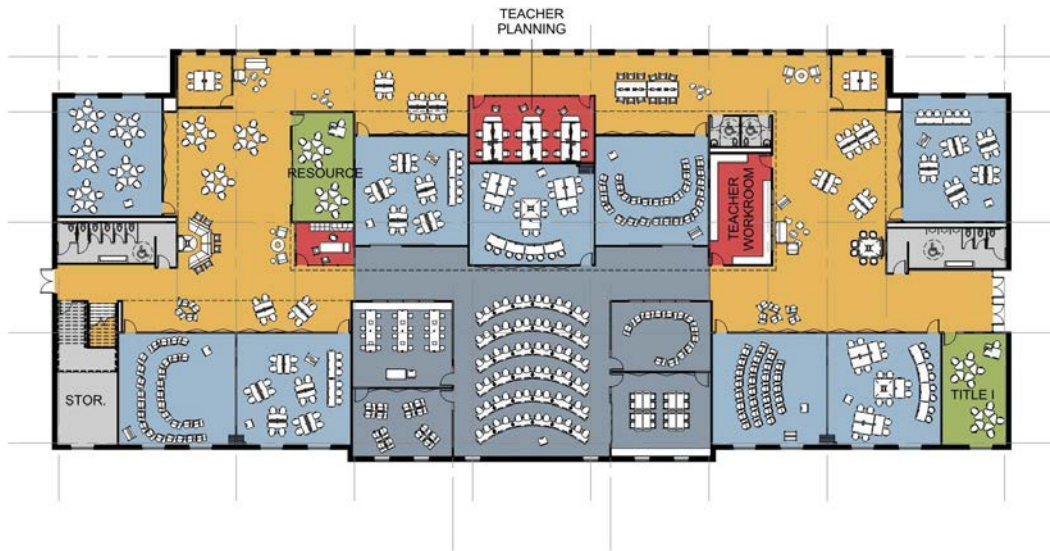
Final

**Capps Middle School**

Putnam City Schools | Warr Acres, Oklahoma

The west portion of the building caters to the administrative, elective, and athletic programs for the facility, while the east serves as the learning communities for 6-8 grades. Connecting the two ends is a 200'+ media hub.

*Each learning center is planned around collaborative learning and teaching, with spaces to facilitate both student and teacher cross pollination.*





# PreK-8 Case Study

St. Croix

\*Note: The new Arthur A. Richards PreK-8 will be located on the former Evelyn M. Williams Elementary School site.

## New Arthur A. Richards PreK-8

**\*POTENTIAL PRIMARY SHELTER**

**Existing Building Area** 128,836 SF

**New Building Area** ≈ 136,688 SF

**Enrollment** 490 Students

Actual student enrollment 2019/2020

**Functional Capacity** 1070 Students  **+580 Students**

### Design Statement

#### New Construction at Existing Site:

The new Arthur A. Richards PreK-8 requires demolition of Evelyn M. Williams Elementary School and construction of a new building on that site.

#### Program Deviations:

- None

#### Critical Cost Considerations:

- Elevator(s) to meet ADA compliance
- New site circulation and drop-off
- New outdoor learning/play environments
- Assume 4000 SF of covered outdoor space
- Assume hip roofs at all buildings
- Demolition of existing buildings
- Adding/updating perimeter fence

\*All construction shall be per the design guidelines included at the end of this section.



**Top** Existing Evelyn M. Williams Elementary School that will be demolished to make way for a new Arthur A. Richards PreK-8 building.

**Bottom** Existing Evelyn M. Williams Elementary School outdoor play area



Level 01

LEGEND

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM







# PreK-8 Case Study

St. Croix

Advancement Opportunities: Arthur A. Richards PreK-8

## Level 02

### LEGEND

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM



# PreK-8 Case Study

St. Croix

## New Alfredo Andrews PreK-8

**\*IDENTIFIED AS SECONDARY SHELTER**

**Existing Building Area** 56,450 SF

**New Building Area** ≈ 136,688 SF

**Enrollment** 491 Students

Actual student enrollment 2019/2020

**Functional Capacity** 1070 Students  **+579 Students**

### Design Statement

#### New Construction at Existing Site:

The new Alfredo Andrews PreK-8 requires demolition of the existing Alfredo Andrews Elementary School and construction of a new building in its place.

#### Program Deviations:

- None

#### Critical Cost Considerations:

- Elevator(s) to meet ADA compliance
- New site circulation and drop-off
- New outdoor learning/play environments
- Assume 4000 SF of covered outdoor space
- Assume hip roofs at all buildings
- Demolition of existing buildings
- Adding/updating perimeter fence

\*All construction shall be per the design guidelines included at the end of this section.





















**Top** Existing Alfredo Andrews Elementary School that will be demolished to make way for a new Alfredo Andrews PreK-8.

**Bottom** Existing Alfredo Andrews Elementary School outdoor play area



Level 01

LEGEND

-  NEW
-  FUTURE PHASE
-  EXISTING
-  FLOODPLAIN
-  MAIN ENTRY
-  OUTDOOR
-  PARKING
-  ADMIN
-  COMMONS/COLAB
-  LEARNING STUDIO
-  KINDER/PRE-K
-  SCIENCE
-  MEDIA/MAKER
-  SPED
-  ELECTIVES
-  ATHLETICS
-  STORAGE
-  RESTROOM










# PreK-8 Case Study

St. Croix

Advancement Opportunities: Alfredo Andrews PreK-8

## Level 02

### LEGEND

-  NEW
-  FUTURE PHASE
-  EXISTING
-  FLOODPLAIN
-  MAIN ENTRY
-  OUTDOOR
-  PARKING
-  ADMIN
-  COMMONS/COLAB
-  LEARNING STUDIO
-  KINDER/PRE-K
-  SCIENCE
-  MEDIA/MAKER
-  SPED
-  ELECTIVES
-  ATHLETICS
-  STORAGE
-  RESTROOM



# PreK-8 Case Study

St. Thomas

## New Ulla F. Muller PreK-8

**\*POTENTIAL PRIMARY SHELTER**

**Existing Building Area** 39,682 SF

**New Building Area** ≈ 136,688 SF

**Enrollment** 464 Students

Actual student enrollment 2019/2020

**Functional Capacity** 1070 Students  **+606 Students**

### Design Statement

#### New Construction at Existing Site:

The new Ulla F. Muller PreK-8 requires demolition of the existing Ulla F. Muller Elementary School and construction of a new building on that site.

#### Program Deviations:

- No athletic fields provided on site

#### Critical Cost Considerations:

- Elevator(s) to meet ADA compliance
- New site circulation and drop-off
- New outdoor learning/play environments
- Assume 4000 SF of covered outdoor space
- Assume hip roofs at all buildings
- Demolition of existing buildings
- The entire site is in a floodplain and the building will need to be raised above ground level.
- Adding/updating perimeter fence

\*All construction shall be per the design guidelines included at the end of this section.



**Top** Existing Ulla F. Muller Elementary campus that will be demolished to make way for a new Ulla F. Muller PreK-8 building.

**Bottom** Existing Ulla F. Muller outdoor play area





Level 01

LEGEND

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM



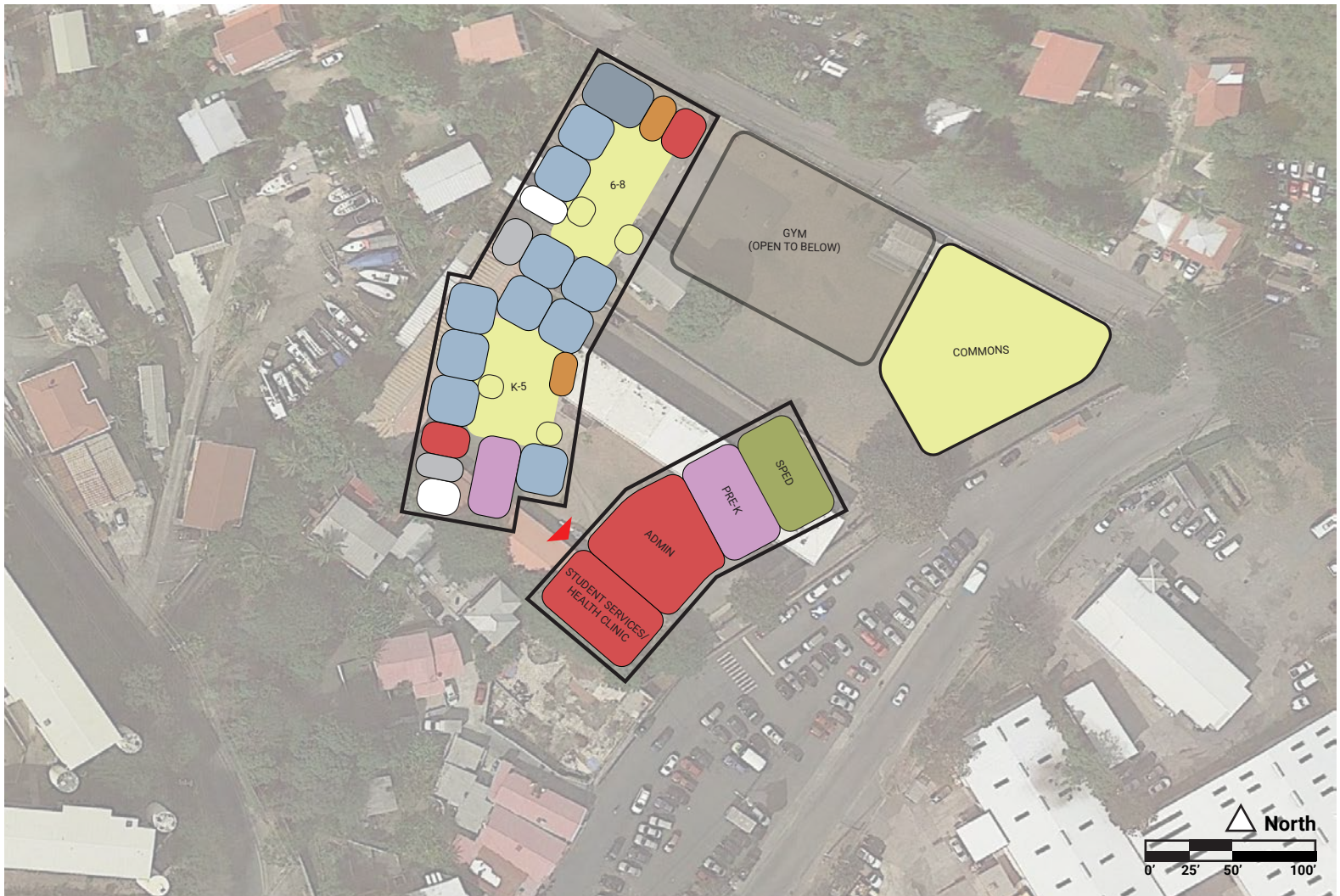


# PreK-8 Case Study

St. Thomas

Ulla F. Muller PreK-8

## Level 02











### LEGEND

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM



Level 03

LEGEND

-  NEW
-  FUTURE PHASE
-  EXISTING
-  FLOODPLAIN
-  MAIN ENTRY
-  OUTDOOR
-  PARKING
-  ADMIN
-  COMMONS/COLAB
-  LEARNING STUDIO
-  KINDER/PRE-K
-  SCIENCE
-  MEDIA/MAKER
-  SPED
-  ELECTIVES
-  ATHLETICS
-  STORAGE
-  RESTROOM







# PreK-8 Case Study

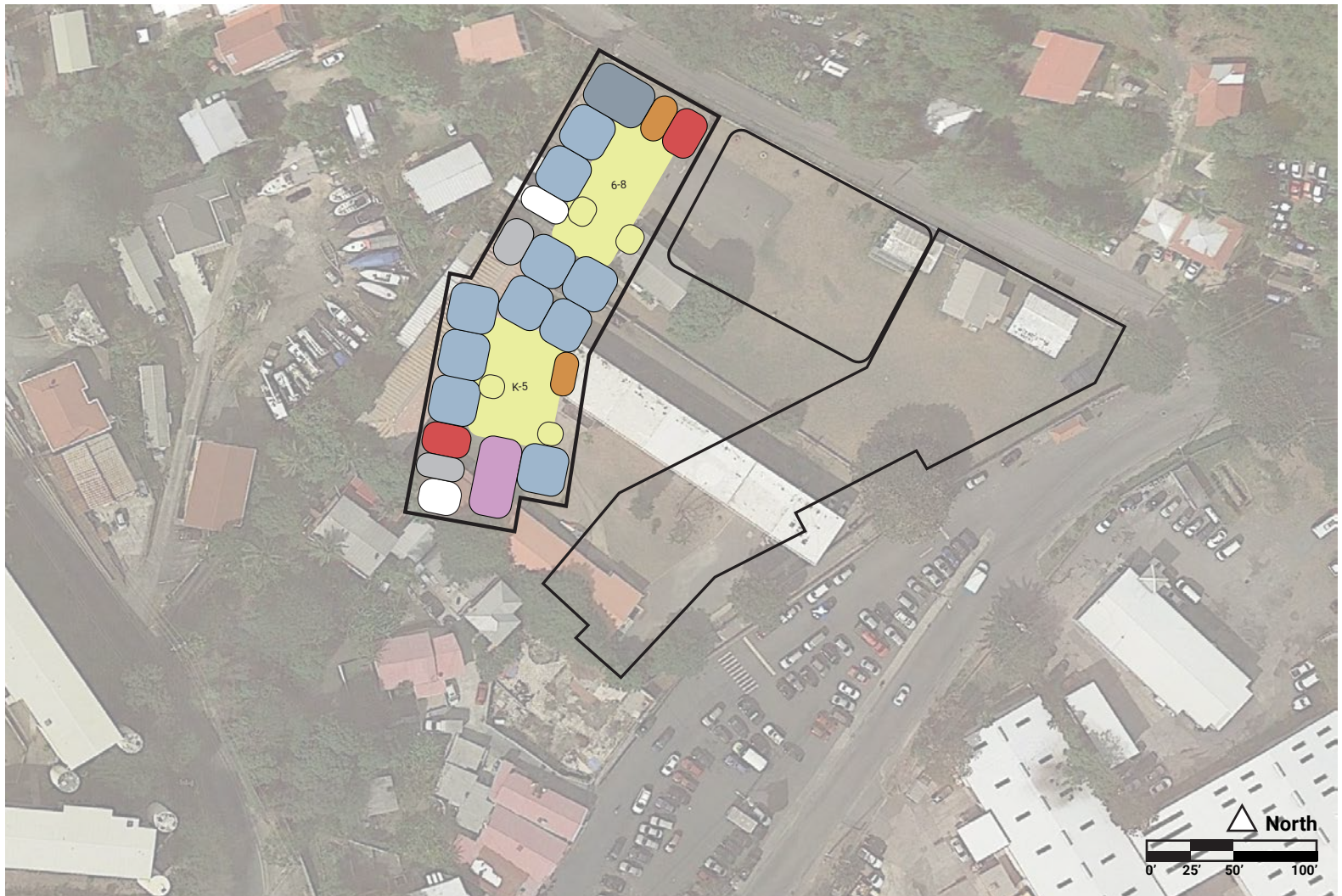
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Advancement Opportunities: Ulla F. Muller PreK-8

## Level 04

### LEGEND

-  NEW
-  FUTURE PHASE
-  EXISTING
-  FLOODPLAIN
-  MAIN ENTRY
-  OUTDOOR
-  PARKING
-  ADMIN
-  COMMONS/COLAB
-  LEARNING STUDIO
-  KINDER/PRE-K
-  SCIENCE
-  MEDIA/MAKER
-  SPED
-  ELECTIVES
-  ATHLETICS
-  STORAGE
-  RESTROOM



# PreK-8 Case Study

St. Croix

## Claude O. Markoe PreK-8

**\*POTENTIAL PRIMARY SHELTER**

**Existing Building Area** 91,326 SF

**New Building Area** ≈ 136,000 SF

**Enrollment** 436 Students

Actual student enrollment 2019/2020

**Functional Capacity** 895 Students  **+459 Students**

### Design Statement

#### Modernization at Existing:

The modernization of Claude O. Markoe PreK-8 requires converting a traditional K-5 elementary to a PreK-8. Two shuttered buildings will be demolished to make way for three major building additions to accommodate additional core learning, gymnasium, and elective environments.

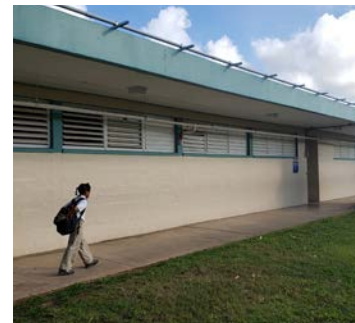
#### Program Deviations:

- Small group learning is covered outdoor space at all renovation areas
- The existing circular building is allocated as collaborative environment that is not programmed

#### Critical Cost Considerations:

- Elevator(s) to meet ADA compliance
- Replacement of jalousie windows
- Renovated outdoor learning/play environments
- HVAC upgrades
- Assume 4000 SF of covered outdoor space
- Assume hip roofs at all locations of new construction
- Demolition of shuttered buildings
- Exterior facade renovations
- Communications/IT and security upgrades
- Adding/updating perimeter fence

\*All construction shall be per the design guidelines included at the end of this section.





**DISCLAIMER:** Proposed modernization is contingent on confirmation that the existing structure either meets or can be modified to meet current structural code requirements.

**Level 01**

**LEGEND**

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM





# PreK-8 Case Study

St. Croix

Advancement Opportunities: Claude O. Markoe PreK-8

## Level 02

### LEGEND

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM





# PreK-8 Case Study

St. Croix

## Juanita Gardine PreK-8

**\*IDENTIFIED AS SECONDARY SHELTER**

**Existing Building Area** 76,476 SF

**New Building Area** ≈ 108,340 SF

**Enrollment** 365 Students

Actual student enrollment 2019/2020

**Functional Capacity** 895 Students  **+530 Students**

### Design Statement

#### Modernization at Existing:

The modernization of Juanita Gardine PreK-8 requires converting a traditional K-5 elementary to a PreK-8. Two shuttered buildings will be demolished to make way for three major building additions to accommodate additional core learning, and an expansion of the commons.

#### Program Deviations:

- Small group learning is covered outdoor space
- Existing auditorium to remain in place

#### Critical Cost Considerations:

- Elevator(s) to meet ADA compliance
- Replacement of jalousie windows
- Renovated outdoor learning/play environments
- Improved site circulation and parking
- HVAC upgrades
- Assume 4000 SF of covered outdoor space
- Assume hip roofs at all locations of new construction
- Exterior facade renovations
- Communications/IT and security upgrades
- Demolition of shuttered buildings
- Adding/updating perimeter fence

\*All construction shall be per the design guidelines included at the end of this section.



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**Level 01**

**LEGEND**

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM







# PreK-8 Case Study

St. Croix

Advancement Opportunities: Juanita Gardine PreK-8

## Level 02

### LEGEND

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM



# PreK-8 Case Study

St. Croix

## Pearl B. Larsen PreK-8

**Existing Building Area** 84,359 SF

**New Building Area** ≈ 118,490 SF

**Enrollment** 419 Students

Actual student enrollment 2019/2020

**Functional Capacity** 895 Students  +476 Students

### Design Statement

#### Modernization at Existing:

The modernization of Pearl B. Larsen PreK-8 requires converting a traditional K-5 elementary to a PreK-8. The interior of the existing building will be largely renovated to accommodate new and different programs. A small addition to the existing building is required to the west. Two additions to the southeast are required to accommodate all of the middle school core learning.

#### Program Deviations:

- Small group learning is outside at existing buildings
- Outdoor play is limited for PreK-5 grades

#### Critical Cost Considerations:

- Elevator(s) to meet ADA compliance
- Renovated outdoor learning/play environments
- Improved site circulation and parking
- HVAC upgrades
- Assume 4000 SF of covered outdoor space
- Assume hip roofs at all locations of new construction
- Exterior facade renovations
- Communications/IT and security upgrades
- Adding/updating perimeter fence

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**Level 01**

**LEGEND**

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM





# PreK-8 Case Study

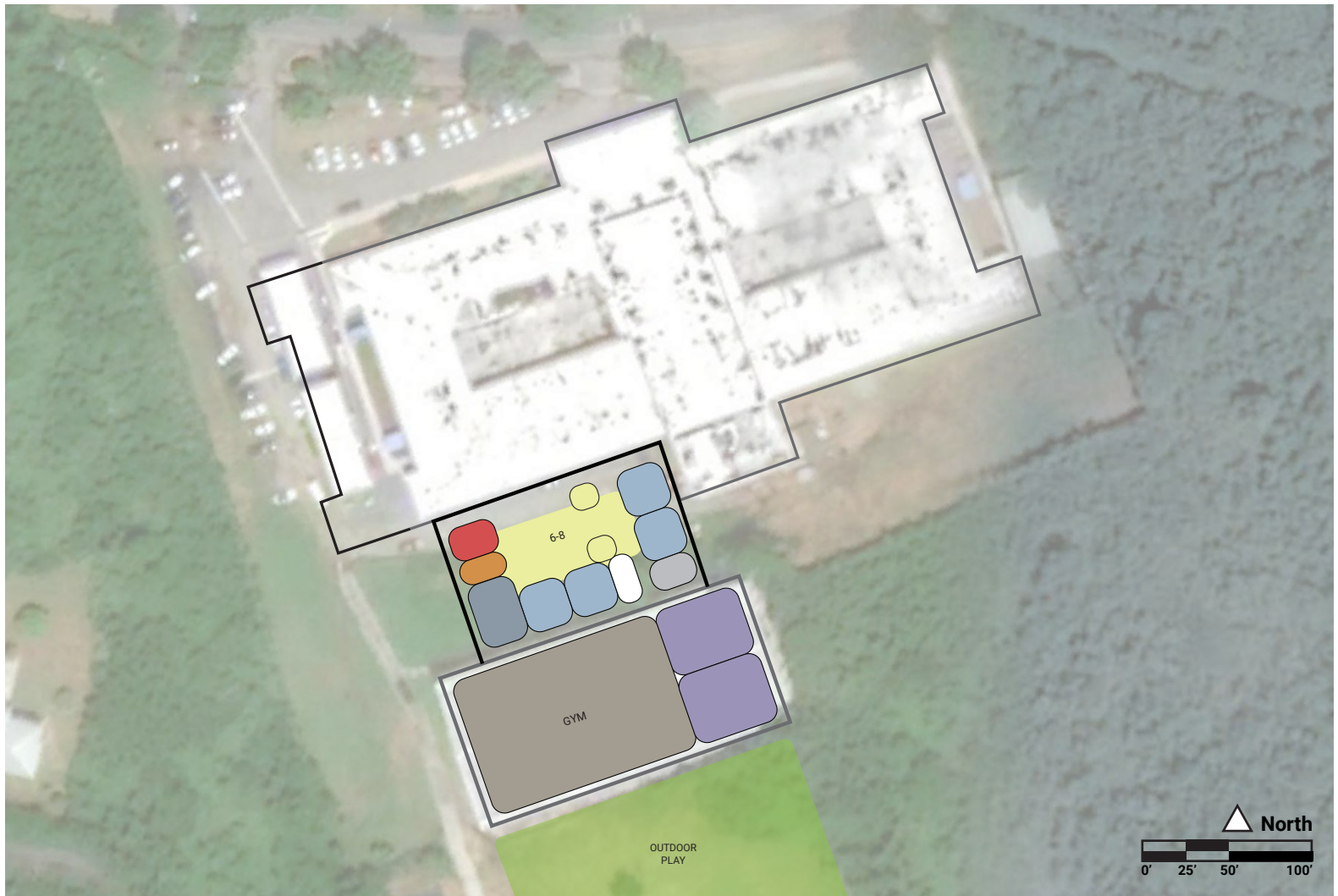
St. Croix

Advancement Opportunities: Pearl B. Larsen PreK-8

## Level 02

### LEGEND

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM





# PreK-3 Case Study

St. Thomas


## Jane E. Tuitt PreK-3

**Existing Building Area** 15,488 SF

**New Building Area** 15,488 SF

**Enrollment** 226 Students

Actual student enrollment 2019/2020

**Functional Capacity** 132 Students  -94 Students

### Design Statement

#### Modernization at Existing:

The modernization of Jane E. Tuitt requires converting a traditional K-5 elementary to a PreK-3. The overall campus planning remains the same, with modifications made to the buildings for new and different programs.

#### Program Deviations:

- Small group learning is covered outdoor space
- Electives, SPED, media, commons & administration SF are reduced per reduced population
- No gymnasium (existing condition)

#### Critical Cost Considerations:

- Elevator(s) to meet ADA compliance
- Replacement of jalousie windows
- Renovated outdoor learning/play environments
- Improved site circulation and parking
- HVAC upgrades
- Exterior facade renovations
- Communications/IT and security upgrades
- Adding/updating perimeter fence

\*All construction shall be per the design guidelines included at the end of this section.



**DISCLAIMER:** Proposed modernization is contingent on confirmation that the existing structure either meets or can be modified to meet current structural code requirements.

**Level 01**

**LEGEND**

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM
















# PreK-3 Case Study

St. Thomas

Advancement Opportunities: Jane E. Tuitt PreK-3

## Level 02

### LEGEND

-  NEW
-  FUTURE PHASE
-  EXISTING
-  FLOODPLAIN
-  MAIN ENTRY
-  OUTDOOR
-  PARKING
-  ADMIN
-  COMMONS/COLAB
-  LEARNING STUDIO
-  KINDER/PRE-K
-  SCIENCE
-  MEDIA/MAKER
-  SPED
-  ELECTIVES
-  ATHLETICS
-  STORAGE
-  RESTROOM



# PreK-3 Case Study

St. Thomas

## Joseph Sibilly PreK-3

**\*IDENTIFIED AS SECONDARY SHELTER**

**Existing Building Area** 25,718 SF

**New Building Area** ≈ 26,500 SF

**Enrollment** 237 Students

Actual student enrollment 2019/2020

**Functional Capacity** 132 Students  -105 Students

### Design Statement

#### Modernization at Existing:

The modernization of Joseph Sibilly PreK-3 requires converting a traditional K-5 elementary to a PreK-3. The overall campus planning remains the same, with modifications made to the buildings for new and different programs. A small building addition is required to expand the commons footprint.

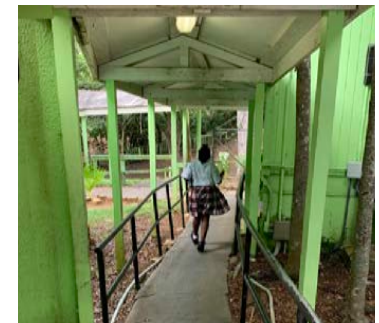
#### Program Deviations:

- Small group learning is covered outdoor space
- Electives, SPED, media, commons and administration SF are reduced per reduced population
- No gymnasium (existing condition)

#### Critical Cost Considerations:

- Elevator(s) to meet ADA compliance
- Replacement of jalousie windows
- Renovated outdoor learning/play environments
- Improved site circulation and parking
- HVAC upgrades
- Exterior facade renovations
- Communications/IT and security upgrades
- Adding/updating perimeter fence

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**Level 01**

**LEGEND**

-  NEW
-  FUTURE PHASE
-  EXISTING
-  FLOODPLAIN
-  MAIN ENTRY
-  OUTDOOR
-  PARKING
-  ADMIN
-  COMMONS/COLAB
-  LEARNING STUDIO
-  KINDER/PRE-K
-  SCIENCE
-  MEDIA/MAKER
-  SPED
-  ELECTIVES
-  ATHLETICS
-  STORAGE
-  RESTROOM



# PreK-3 Case Study

St. Thomas

Joseph Sibilly PreK-3

## Level 02



### LEGEND



















- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM

Design Guidelines: PreK-8 Case Study



Level 03

LEGEND

-  NEW
-  FUTURE PHASE
-  EXISTING
-  FLOODPLAIN
-  MAIN ENTRY
-  OUTDOOR
-  PARKING
-  ADMIN
-  COMMONS/COLAB
-  LEARNING STUDIO
-  KINDER/PRE-K
-  SCIENCE
-  MEDIA/MAKER
-  SPED
-  ELECTIVES
-  ATHLETICS
-  STORAGE
-  RESTROOM



# PreK-8 Case Study

St. Thomas

## Lockhart-Cancryn PreK-8

\*IDENTIFIED AS PRIMARY SHELTER

**Existing Building Area** 59,530 SF

**New Building Area** ≈ 114,000 SF

**Enrollment** 359 Students

Actual student enrollment 2019/2020

**Functional Capacity** 895 Students  **+536 Students**

### Design Statement

#### Modernization at Existing:

The modernization of Lockhart-Cancryn PreK-8 requires converting a traditional K-5 elementary to a PreK-8. The existing building will be restored to an elementary school with some modifications to accommodate new and different programs. A large new addition to the south is required to accommodate all of the middle school core learning and a new gym.

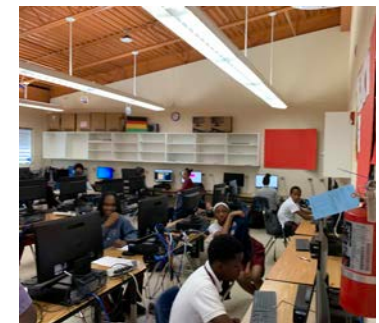
#### Program Deviations:

- Small Group Learning is Outside for All Elementary
- No Outdoor Fields Exist on This Campus

#### Critical Cost Considerations:

- Renovated outdoor learning/play environments
- Replacement of jalousie windows
- Improved site circulation and parking
- HVAC upgrades
- Assume 4000 SF of covered outdoor space
- Assume hip roofs at all locations of new construction
- Communications/IT and security upgrades
- Adding/updating perimeter fence

\*All construction shall be per the design guidelines included at the end of this section.





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**Level 01**

**LEGEND**

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM



# PreK-8 Case Study

St. Thomas

## Yvonne E. Milliner-Bowsky PreK-8

**Existing Building Area** 53,978 SF

**New Building Area** ≈ 116,700 SF

**Enrollment** 390 Students

Actual student enrollment 2019/2020

**Functional Capacity** 895 Students  **+505 Students**

### Design Statement

#### Modernization at Existing:

The modernization of Yvonne E. Milliner-Bowsky PreK-8 requires converting a traditional K-5 elementary to a PreK-8. One shuttered building will be renovated to accommodate the new central administration. The other shuttered building will be demolished to make way for new additions so accommodate the bulk of core learning.

#### Program Deviations:

- Small Group Learning is Outside at Existing Buildings
- Media Center is Sized Smaller Due to Existing Constraints
- No Outdoor Fields Exist on This Campus

#### Critical Cost Considerations:

- Elevator(s) to meet ADA compliance
- Replacement of jalousie windows
- Renovated outdoor learning/play environments
- Improved site circulation and parking
- HVAC upgrades
- Underground concrete box culvert under new building
- Assume hip roofs at all locations of new construction
- Demolition of shuttered buildings
- Communications/IT and security upgrades
- Adding/updating perimeter fence

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**Level 01**

**LEGEND**

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM





# PreK-8 Case Study

St. Thomas

Yvonne E. Milliner-Bowsky PreK-8

## Level 02



Design Guidelines: PreK-8 Case Study

Level 03

LEGEND

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM





# PreK-8 Case Study

St. Thomas

## Bertha C. Boschulte PreK-8

**\*IDENTIFIED AS PRIMARY SHELTER**

**Existing Building Area** 115,870 SF

**New Building Area** ≈ 115,870 SF

**Enrollment** 566 Students

Actual student enrollment 2019/2020

**Functional Capacity** 895 Students  **+329 Students**

### Design Statement

#### Modernization at Existing:

The modernization of Bertha C. Boschulte PreK-8 requires converting a traditional 6-8 middle school to a PreK-8. The campus buildings will remain the same, but with spaces reallocated to accommodate a PreK-8 model. It will also include communications/IT, security, HVAC updates, and ADA updates.

	1 Section	2 Sections	3 Sections	4 Sections	5 Sections
Pre-K	17	17	17	17	17
<b>TOTALS</b>	<b>17</b>	<b>34</b>	<b>51</b>	<b>68</b>	<b>85</b>
K	25	25	25	25	25
First	30	30	30	30	30
Second	30	30	30	30	30
Third	30	30	30	30	30
Fourth	30	30	30	30	30
Fifth	30	30	30	30	30
<b>TOTALS</b>	<b>175</b>	<b>384</b>	<b>525</b>	<b>700</b>	<b>875</b>
Sixth	30	30	30	30	30
Seventh	27	27	27	27	27
Eighth	27	27	27	27	27
<b>TOTALS</b>	<b>84</b>	<b>168</b>	<b>252</b>	<b>336</b>	<b>420</b>
<b>TOTAL</b>	<b>895</b>				

\*All construction shall be per the design guidelines included at the end of this section.



Top Existing Bertha C. Boschulte campus entrance

Bottom Existing Bertha C. Boschulte Middle School that will be renovated.



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**Overall Plan**

**LEGEND**

- NEW
- FUTURE PHASE
- EXISTING
- FLOODPLAIN
- MAIN ENTRY
- OUTDOOR
- PARKING
- ADMIN
- COMMONS/COLAB
- LEARNING STUDIO
- KINDER/PRE-K
- SCIENCE
- MEDIA/MAKER
- SPED
- ELECTIVES
- ATHLETICS
- STORAGE
- RESTROOM

