



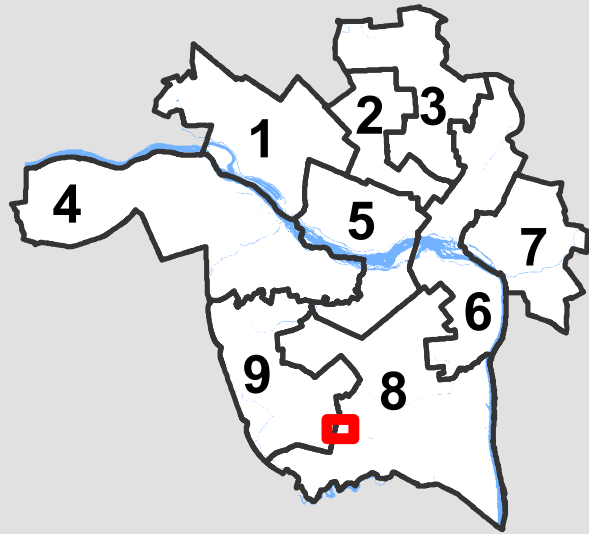
# City of Richmond Department of Planning & Development Review

## Location, Character, and Extent

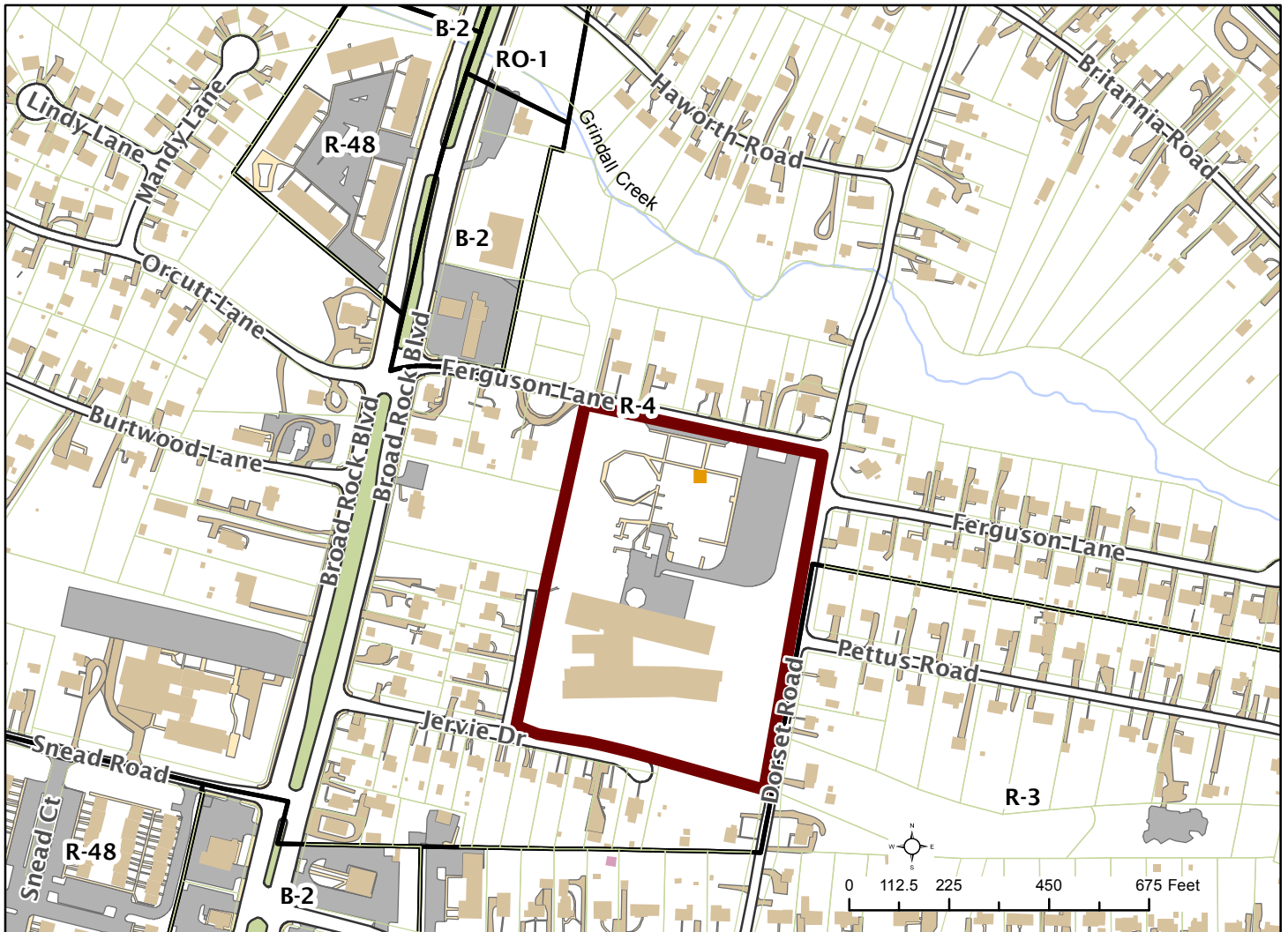
**LOCATION:** 4615 Ferguson Ln

**COUNCIL DISTRICT:** 8

**PROPOSAL:** Installation of new modular classrooms & restroom facilities at Broad Rock Elementary



For questions, please contact Kathleen Onufer  
at 646-5207 or [Kathleen.Onufer@richmondgov.com](mailto:Kathleen.Onufer@richmondgov.com)





## Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review  
Planning & Preservation Division  
900 E. Broad Street, Room 510  
Richmond, Virginia 23219  
(804) 646-6335

<http://www.richmondgov.com/CommitteeUrbanDesign>

### Application Type

Addition/Alteration to Existing Structure  
 New Construction  
 Streetscape  
 Site Amenity

Encroachment  
 Master Plan  
 Sign  
 Other

### Review Type

Conceptual  
 Final

**Project Name:** Broad Rock Elementary School - Installation of New 12 - Classroom Modular Build. w/Restrooms

**Project Address:** 4615 Ferguson Lane, Richmond, Virginia 23234

**Brief Project Description (this is not a replacement for the required detailed narrative):** The installation of a new (12) classroom building at Broad Rock will add to the current student capacity at this school.

The temporary classroom building will be approximately 178'-0" x 65'-0" in size.

### Applicant Information

(on all applications other than encroachments, a City agency representative must be the applicant)

**Name:** Lloyd Schieldge **Email:** lschild@richmond.k12.va.us

**City Agency:** Richmond Public Schools **Phone:** 804-335-5401

**Address:** 1250 Ingram Avenue, Richmond, Va. 23225

**Main Contact (if different from Applicant):** N/A

**Company:** N/A **Phone:** N/A

**Email:** \_\_\_\_\_

### Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. **Late or incomplete submissions will be deferred to the next meeting.**

### Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. **It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.**

### UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06 and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.



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### Submission Requirements

- 10 copies of the application cover sheet and all support materials (see below), unless the application is for an encroachment, in which case only 6 copies are required. Plan sheets should be 11" x 17", folded to 8 1/2" x 11". If it is not possible to scale plans to these dimensions, please provide one set of larger, scaled plans.
- An electronic copy (PDF preferred) of all application materials, which can be burned to disc, emailed, or delivered by FTP.

All applications must include the attached cover sheet and the following support materials, as applicable to the project:

#### For Conceptual Review

- A detailed project narrative which includes the following: purpose of the project, project background, project budget and funding sources, description of construction program and estimated construction start date (description should also provide information on the surrounding area to provide context).
- A site plan for the project indicating site characteristics which include: building footprints, parking areas, pedestrian routes, recreation areas, open areas and areas of future expansion.
- A set of floor plans and elevations, as detailed as possible.
- A landscaping plan which shows the general location and character of plant materials and notes any existing tree to be removed.

#### For Final Review

- A detailed project narrative which includes the following: purpose of the project, project background, project budget and funding sources, description of construction program and estimated construction start date (description should also provide information on the surrounding area to provide context).
- A site plan for the project indicating site characteristics which include: building footprints, parking areas, pedestrian routes, recreation areas, open areas and areas of future expansion.
- A set of floor plans and elevations, as detailed as possible.
- A landscaping plan that includes a complete plant schedule, the precise location of all plant materials, and a landscape maintenance analysis. The plant schedule must show number, size and type of each planting proposed. If existing trees are to be removed, their size, type and location must be noted on the landscape plan.
- The location of all lighting units should be noted on a site plan, including wall-mounted, site and parking lot lighting. Other site details, such as benches, trash containers and special paving materials, should also be located. Include specification sheets for each item.
- Samples of all proposed exterior building materials, including but not limited to brick, mortar, shingles, siding, glass, paint and stain colors. When an actual sample cannot be provided, a product information sheet that shows the item or a photo of an existing item may be substituted.

### Review and Processing

Once an application is received, it is reviewed by staff, who compiles a report that is sent to the UDC. A copy of the report and the meeting agenda will be sent to the applicant prior to the meeting. The applicant or a representative should be present at the UDC meeting or the application may be deferred to the next regularly scheduled meeting. It is also strongly suggested that a representative of the City Agency which will have final responsibility for the item be present at the meeting (if the applicant and the representative are not the same). Once the UDC recommends action on the application, it is automatically placed on the agenda for the next City Planning Commission (CPC) meeting. An exception to this is encroachment applications, recommendations for which are forwarded to the Department of Public Works. The applicant or a representative must be present at the CPC meeting or the application may be deferred to the next regularly scheduled meeting.



## Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review  
 Planning & Preservation Division  
 900 E. Broad Street, Room 510  
 Richmond, Virginia 23219  
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### MEETING SCHEDULE 2015-2016

UDC Meetings	UDC Submission Deadlines	Anticipated Date of Planning Commission Following the UDC Meeting
December 10, 2015	November 12, 2015*	January 4, 2016
January 7, 2016	December 10, 2015**	January 19, 2016 <sup>1</sup>
February 4, 2016	January 14, 2016	February 16, 2016 <sup>2</sup>
March 10, 2016	February 18, 2016	March 21, 2016
April 7, 2016	March 17, 2016	April 18, 2016
May 5, 2016	April 14, 2016	May 16, 2016
June 9, 2016	May 19, 2016	June 20, 2016
July 7, 2016	June 16, 2016	July 18, 2016
August 4, 2016	July 14, 2016	September 6, 2016 <sup>3</sup>
September 8, 2016	August 18, 2016	September 19, 2016
October 6, 2016	September 15, 2016	October 17, 2016
November 10, 2016	October 20, 2016	November 21, 2016
December 8, 2016	November 10, 2016*	January 3, 2017 <sup>4</sup>

<sup>1</sup> Monday, January 18<sup>th</sup> is a City of Richmond Holiday

<sup>2</sup> Monday, February 15<sup>th</sup> is a City of Richmond Holiday

<sup>3</sup> Monday, September 5<sup>th</sup> is a City of Richmond Holiday

<sup>4</sup> Monday, January 2<sup>nd</sup>, 2017 is a City of Richmond Holiday

\* Moved forward to account for Thanksgiving Holiday Schedule

\*\* Moved forward to account for Winter Holiday Schedule

For further information or assistance, please contact the Planning and Preservation Division by phone at (804) 646-6335 or by email at [DCDCCompPlan@RichmondGov.com](mailto:DCDCCompPlan@RichmondGov.com).

Information about the UDC along with the application and meeting schedule is available at the City of Richmond website, <http://www.richmondgov.com/CommitteeUrbanDesign>



## Richmond Public Schools

2907 North Boulevard  
Richmond, VA 23230-3913

Facility Services

Phone: (804) 780-6251

Cell: (804) 201-8860

Fax: (804)780-8789

[Adavis5@richmond.k12.va.us](mailto:Adavis5@richmond.k12.va.us)

*Andrew Davis, Director*

### URBAN DESIGN COMMITTEE

June 4, 2015

Richmond Public Schools  
Broad Rock Elementary School  
4615 Ferguson Lane  
Richmond, VA 23234

#### Final Review

#### Narrative:

Broad Rock Elementary School is faced with a significant deficit of classroom space for the upcoming 2016/2017 school year. Broad Rock Elementary School is already over its functional capacity (650 students), with current enrollment of 889 students as shown in the attached Population and Enrollment Forecast (Refer to **EXHIBIT-A**). Continued growth is expected through years 2019-20, and levels off in 2020-21. The District is currently evaluating long-term plans to address the forecast population; however, to address the immediate need, the school board has tasked the RPS Administration with providing temporary (leased) modular classroom space at this school. The proposed eight classroom modular classroom building will replace the existing four portable classrooms in one building with restroom facilities. This temporary modular building will serve the needs of the 4<sup>th</sup> and 5<sup>th</sup> grade students.

During the Spring of 2014, the Richmond Public School Board assembled a Facilities Task Force to assess the District's current portfolio of facilities and develop a directional & financial blueprint for the District to follow moving forward.

A Facilities Needs Report was presented to the Richmond Public School Board by the Task Force and the Richmond Public Schools Administration on April 13, 2015. The Facilities Needs Report states to address the overcrowding issues south of the James River, the District would like to implement the following actions:

1. Rezoning
2. Construction of a new elementary school

### 3. Renovations and additions to the existing elementary schools

These plans are contingent upon the allocation of necessary funding. The Richmond Public Schools Administration and School Board are currently working closely with city officials and the City Council to obtain the necessary funding to implement these tasks, however until funding is allocated, the temporary modular units are proposed as a means to satisfy current capacity issues.

This project is to provide one temporary (leased) modular building at Broad Rock Elementary School. This building will be a 177'-8" x 65'-0", twelve classroom temporary modular building with restrooms. The building will have a covered deck and ADA compliant ramp leading to the existing modular buildings. The entire building will meet all ADA requirements. Dominion Power will provide separate power hook-ups needed for the units. Descriptive data on the units has been included in the packet. We intend to have the proposed units installed by the middle of August to allow for power/water/sewer hook-ups, as well as allowing for the teachers to set-up their new temporary classrooms.

#### Site Plan:

Please see the attached proposed site plan for location of the proposed temporary modular buildings (Refer to **EXHIBIT-C**). Basically, the modular buildings will be placed next to the existing modular classroom buildings.

#### Floor Plans:

Floor Plans are attached at **EXHIBIT-B**

#### Landscaping Plan:

Minimal landscaping is proposed for this project due to the temporary nature of the modular buildings, and RPS will work with the City and provide a plan for their ultimate approval.

#### Exterior lighting:

Exterior lighting will be installed on the temporary modular building at each exit door. No additional trash receptacles, benches or picnic tables will be added beyond what already exists on site today.

#### Building Materials:

Proposed building materials for the units are described in the attached Data Sheets (Refer to **EXHIBIT-E**), and include:

- HardiPanel exterior siding
- Contrasting color HardiTrim
- Steel clad exterior doors with view block
- Dual-glazed low “e” exterior windows
- Low sloped roof designed to divert drainage away from doors and windows
- Gutters and downspouts
- White EPDM roof

Unit lay-outs are attached. Since these units are temporary, only minimal landscaping is proposed for this project.

#### Timeline:

The following is the proposed anticipated timeline:

- June 1, 2016 - Submit Building Permit
- June 20, 2016 – Temporary modular buildings delivered to site
- August 15, 2016 – Certificate of Occupancy
- Ongoing – Planning for the overcrowding issues as noted above (redistricting, new elementary school, and renovations & additions to existing elementary schools). The planning will involve Richmond Public Schools administration, school board, city administration, and city council.
- May 2017 – Richmond Public Schools submits for renewal of modular building annual permit.

*Note: The above Timeline is contingent upon successful budget submittal, approval, and subsequent appropriations by the City*

Once a final plan to address the overcrowding has been implemented, and permanent space provided for the student population, this temporary modular classroom building will be permanently removed from the site, including all associated walkways and utilities. The site will be returned to the existing condition.

The site design and construction administration for this project will be procured utilizing an existing Term Contract with Ballou, Justice, Upton Architects. The temporary modular buildings will be procured utilizing an existing E & I Cooperative’s Agreement with Mobile Modular Management – Contract Number CNR01338. Sitework will be competitively bid between pre-qualified RPS Class-A General Contractors.

As noted in the UDC Guidelines, the UDC supports the City Planning Commission’s policy,

Adopted July 17, 1995, which states that all future modular unit requests, including renewals of currently approved units, will not be considered unless they are submitted with a cost analysis which compares the cost of the modular unit(s) to the cost of constructing as addition or a new school in lieu of the modular unit(s).

Permanent resolution to overcrowding at Broad Rock Elementary School will involve redistricting, with additions and renovations to surrounding schools that will then accept students currently assigned to Broad Rock Elementary School. The latest data available indicates the costs associated with an addition providing adequate space would be \$5,179,550 (Refer to **EXHIBIT-F** for the RPS 2015 Facility Update Cost estimate 2-24-15. A similar comparison is John B. Cary with a proposed 15,800 s.f. addition)

If further information is required, or if clarification is desired, please contact Lloyd Schieldge, with Richmond Public Schools, directly by cell phone, at 335.5401 (804), or email, at [lschild@richmond.k12.va.us](mailto:lschild@richmond.k12.va.us)

Attachments: EXHIBIT-A: Population & Enrollment Forecast  
EXHIBIT-B: Proposed Floor Plans  
EXHIBIT-C: Proposed Site Plan  
EXHIBIT-D: Not Used  
EXHIBIT-E: Data Sheets  
EXHIBIT-F: RPS 2015 Facility Update Cost Estimate 3-24-15



# **EXHIBIT-A**

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## **Population & Enrollment Forecast**



RICHMOND PUBLIC SCHOOLS, VA  
POPULATION AND ENROLLMENT FORECASTS

Blackwell Elementary

	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
K	94	91	81	70	73	74	73	71	70	67	66	65	64	65
1	99	97	73	79	69	70	71	70	69	67	65	64	63	62
2	93	96	60	69	77	67	68	69	68	68	66	64	63	62
3	79	86	70	55	63	71	62	63	64	63	63	61	60	59
4	76	69	67	75	51	59	66	58	59	61	60	60	58	57
5	95	83	55	58	68	46	53	59	52	54	56	55	55	53
<b>Total</b>	<b>536</b>	<b>522</b>	<b>406</b>	<b>406</b>	<b>401</b>	<b>387</b>	<b>393</b>	<b>391</b>	<b>382</b>	<b>380</b>	<b>376</b>	<b>369</b>	<b>363</b>	<b>358</b>
<b>Total: Elementary</b>	<b>536</b>	<b>522</b>	<b>406</b>	<b>406</b>	<b>401</b>	<b>387</b>	<b>393</b>	<b>391</b>	<b>382</b>	<b>380</b>	<b>376</b>	<b>369</b>	<b>363</b>	<b>358</b>
<b>Change</b>		-14	-116	0	-5	-14	6	-2	-9	-2	-4	-7	-6	-5
<b>Percent Change</b>		-2.61%	-22.22%	0.00%	-1.23%	-3.49%	1.55%	-0.51%	-2.30%	-0.52%	-1.05%	-1.86%	-1.63%	-1.38%

Forecasts Developed February 2015  
Green cells (2014-15 and earlier) are historical data  
Blue cells (2015-16 and later) are forecasted years

Broad Rock Elementary School

	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
K	53	48	125	142	133	135	135	134	133	136	135	134	133	135
1	41	50	130	156	154	156	159	159	158	157	156	155	154	153
2	35	49	136	144	168	166	168	172	172	167	166	165	164	163
3	62	38	134	138	147	171	169	171	175	174	169	168	167	166
4	33	36	95	144	142	151	176	174	176	179	177	172	171	170
5	56	50	126	101	150	148	157	163	181	180	183	181	175	174
<b>Total</b>	<b>280</b>	<b>291</b>	<b>746</b>	<b>825</b>	<b>894</b>	<b>927</b>	<b>964</b>	<b>993</b>	<b>995</b>	<b>993</b>	<b>986</b>	<b>975</b>	<b>964</b>	<b>961</b>
<b>Total: Elementary</b>	<b>280</b>	<b>291</b>	<b>746</b>	<b>825</b>	<b>894</b>	<b>927</b>	<b>964</b>	<b>993</b>	<b>995</b>	<b>993</b>	<b>986</b>	<b>975</b>	<b>964</b>	<b>961</b>
<b>Change</b>		11	455	79	69	33	37	29	2	-2	-7	-11	-11	-3
<b>Percent Change</b>		3.93%	156.36%	10.54%	8.36%	3.69%	3.99%	3.01%	0.20%	-0.20%	-0.70%	-1.12%	-1.13%	-0.31%



Forecasts Developed February 2015  
Green cells (2014-15 and earlier) are historical data  
Blue cells (2015-16 and later) are forecasted years

Carver Elementary School

	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
K	78	92	116	103	101	101	100	99	98	99	96	95	94	95
1	63	69	94	95	98	97	97	96	95	94	93	91	90	89
2	83	68	71	80	69	92	91	91	90	90	89	88	86	86
3	66	81	81	74	82	91	94	93	93	93	93	92	91	89
4	58	56	86	62	67	75	83	82	85	86	86	86	85	84
5	55	42	57	77	56	60	68	75	77	79	80	80	80	79
<b>Total</b>	<b>403</b>	<b>408</b>	<b>505</b>	<b>491</b>	<b>493</b>	<b>516</b>	<b>533</b>	<b>540</b>	<b>538</b>	<b>541</b>	<b>537</b>	<b>532</b>	<b>526</b>	<b>522</b>
<b>Total: Elementary</b>	<b>403</b>	<b>408</b>	<b>505</b>	<b>491</b>	<b>493</b>	<b>516</b>	<b>533</b>	<b>540</b>	<b>538</b>	<b>541</b>	<b>537</b>	<b>532</b>	<b>526</b>	<b>522</b>
<b>Change</b>		5	97	-14	2	23	17	7	-2	3	-4	-5	-6	-4
<b>Percent Change</b>		1.24%	23.77%	-2.77%	0.41%	4.67%	3.29%	1.31%	-0.37%	0.56%	-0.74%	-0.93%	-1.13%	-0.76%

Forecasts Developed February 2015  
Green cells (2014-15 and earlier) are historical data  
Blue cells (2015-16 and later) are forecasted years



2014-2015 Enrollment vs. RPS Maximum Capacity and State Maximum Capacity

Schools	Current Enrollment		RPS Functional		RPS Maximum		State Maximum	
	#	%	#	%	#	%	#	%
Elementary	52		108	48.15%	108	48.15%	108	48.15%
Amelia Street Special Ed.	338		423	79.91%	489	69.12%	569	59.40%
Bellevue Elementary	411		632	65.03%	731	56.22%	886	46.39%
Blackwell Elementary	260		264	98.48%	306	84.97%	306	84.97%
Blackwell Annex (estimate)	827		650	127.23%	742	111.46%	845	97.87%
Broad Rock Elementary	503		605	83.14%	707	71.15%	842	59.74%
Chimborazo Elementary	533		394	135.28%	463	115.12%	558	95.52%
E.S.H. Greene Elementary	470		507	92.70%	591	79.53%	721	65.19%
Elizabeth D. Redd Elementary	543		539	100.74%	623	87.16%	758	71.64%
Fairfield Court Elementary	656		676	97.04%	784	83.67%	929	70.61%
G.H. Reid Elementary	484		601	80.53%	691	70.04%	841	57.55%
George Mason Elementary	565		773	73.09%	890	63.48%	1,075	52.56%
George W. Carver Elementary	358		441	81.18%	495	72.32%	625	57.28%
Ginter Park Elementary	250		219	114.16%	267	93.63%	282	88.65%
Mary Scott Annex	371		439	84.51%	508	73.03%	623	59.55%
J.B. Fisher Elementary	381		463	82.29%	535	71.21%	645	59.07%
J.E.B. Stuart Elementary	554		586	94.54%	682	81.23%	842	65.80%
J.L. Francis Elementary	296		441	67.12%	507	58.38%	632	46.84%
John B. Cary Elementary	579		592	97.80%	685	84.53%	810	71.48%
Linwood Holton Elementary	516		470	109.79%	548	94.16%	618	83.50%
Mary Munford Elementary	207		237	87.34%	270	76.67%	270	76.67%
Maymont Pre-K Center	591		592	99.83%	685	86.28%	810	72.96%
Miles Jones Elementary	692		650	106.46%	742	93.26%	845	81.89%
Oak Gove Elementary	456		496	91.94%	553	82.46%	653	69.83%
Overby-Sheppard Elementary	478		536	89.18%	620	77.10%	735	65.03%
Southampton Elementary	281		338	83.14%	392	71.68%	467	60.17%
Swansboro Elementary	437		410	106.59%	476	91.81%	576	75.87%
Westover Hills Elementary	564		495	113.94%	579	97.41%	699	80.69%
William Fox Elementary	518		641	80.81%	740	70.00%	900	57.56%
Woodville Elementary								
<b>Total Elementary</b>	<b>13,171</b>		<b>14,218</b>	<b>92.64%</b>	<b>16,409</b>	<b>80.27%</b>	<b>19,470</b>	<b>67.65%</b>

2015 Capacity Computation

Total Elementary



Schieldge, Lloyd &lt;lschield@richmond.k12.va.us&gt;

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**Fwd: Student Enrollment**

2 messages

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**STARKES, DEIDRA** <dstarkes@richmond.k12.va.us>  
To: Lloyd Schieldge <lschield@richmond.k12.va.us>

Thu, Apr 14, 2016 at 12:04 PM

----- Forwarded message -----

From: **Owens, Andrea** <aowens@richmond.k12.va.us>  
Date: Thu, Apr 14, 2016 at 12:02 PM  
Subject: Re: Student Enrollment  
To: "STARKES, DEIDRA" <dstarkes@richmond.k12.va.us>

Good afternoon,

- 
- Broad Rock - 889
  - Greene Elementary School - 592
  - G.H. Reid - 691

Thanks,

Andrea

--  
**Andrea T. Owens, MBA, MSA**  
Application Administrator, ICTS

*Information Communication & Technology Services (ICTS)*  
Richmond Public Schools  
2015 Seddon Way  
Richmond, VA 23230  
PH (804) 780-7880 option 0  
FX (804) 780-4593

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On Thu, Apr 14, 2016 at 11:03 AM, STARKES, DEIDRA <dstarkes@richmond.k12.va.us> wrote:  
Good Morning Andrea!

Can I have the actual student enrollment of the following schools:

- Broad Rock
- Greene Elementary School
- G.H. Reid

—

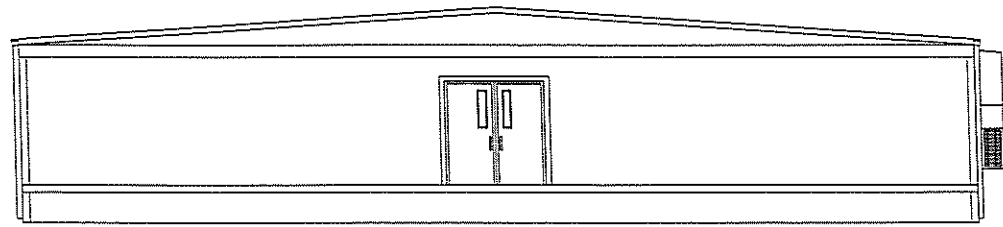
# **EXHIBIT-B**

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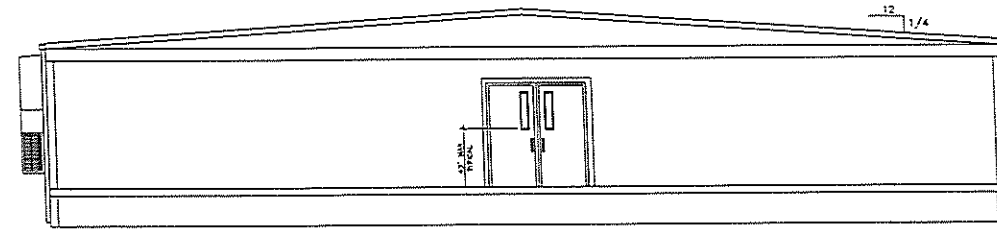
## **Proposed Floor Plans**



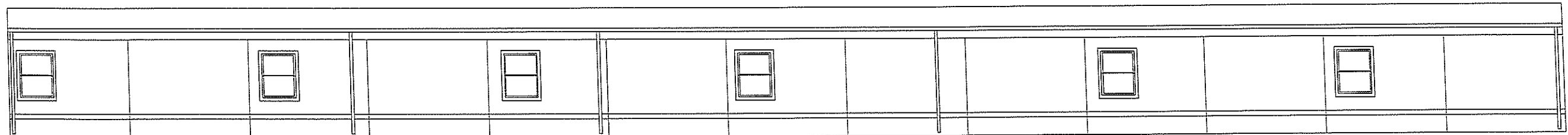




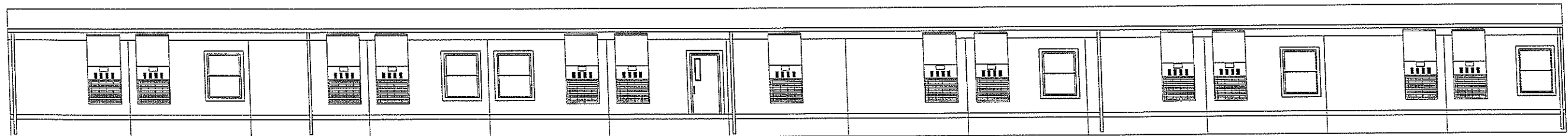
REAR ELEVATION




FRONT ELEVATION



RIGHT ELEVATION



LEFT ELEVATION

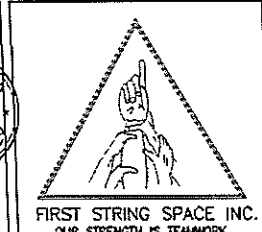
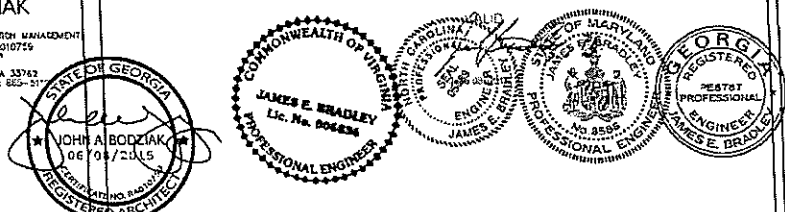

 R. JOHNSON  
 APPROVED  
 06 08 2015

PROFESSIONAL CERTIFICATION:  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED  
 BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER  
 THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 2522.  
 EXPIRATION DATE: 03/31/18

CONSULTING ENGINEER JAMES BRADLEY, P.E. - 212 FOX TRAIL - PARKERSBURG, PA. 19365 - (610) 857-2455

ELEVATION NOTES: TYPICAL  
 SEC-CROSS SECTION FOR METHOD OF ROOF VENTILATION  
 ACCESSIBLE RAMPS(S), STAIR(S), AND HANDRAILS ARE SITE INSTALLED, DESIGNED BY OTHERS, AND SUBJECT TO LOCAL JURISDICTION.  
 FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/100TH OF THE FLOOR AREA AND AN 18" X 24" MINIMUM DRAIN SPACE ACCESS, SITE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION.

**JOHN A. BODZIAK**  
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 TEL: (727) 327-1968 FAX: (727) 869-5171



**FIRST STRING SPACE**  
 892 RAILROAD AVE. EAST  
 PEARSON, GEORGIA 31642 (912) 422-6455  
 DATE: 5-28-15  
 SCALE: NO SCALE  
 CODES: SEE NOTES  
 STATES: NC, VA, GA, MD, REVISIONS:  
 REFERENCE: 1951-57  
 FSS3951-57 A-M 65 x 182  
 MOD-POD EDUCATION  
 ELEVATIONS DESTINATION: 3 OF 5



**EXTERIOR FINISH MATERIAL:**

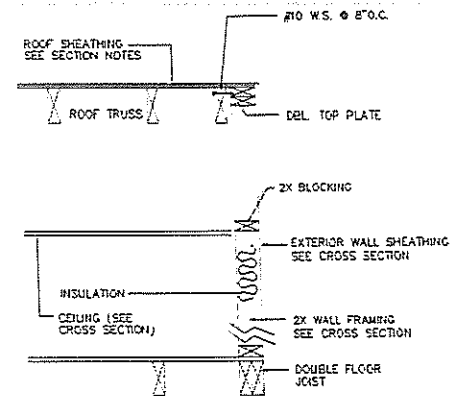
ROOF - MULE-HIDE 45 MIL (WHITE) EPDM FULLY ADHERED IN ACCORDANCE WITH ESR-1776 OVER 7/16" MULE-HIDE FR DECK PANEL 'C' INSTALLED PER MANUFACTURERS SPECIFICATIONS.

WALL - 7/16" HARDI-PANEL SIDING (STUCCO) OVER APPROVED MOISTURE BARRIER OVER 7/16" OSB SHEATHING INSTALLED PER MANUFACTURERS SPECIFICATIONS.

**INTERIOR FINISH MATERIAL:**

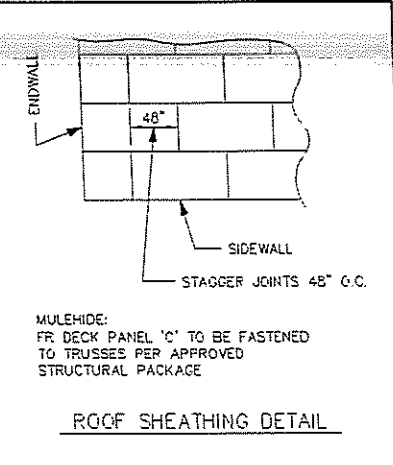
CEILING - T-GRID CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS  
 WALL - 5/8" TYPE 'X' GYP. BOARD (VCG THROUGHOUT) INSTALLED PER MANUFACTURERS SPECIFICATIONS  
 CORRIDOR - FRP OVER 5/8" TYPE 'X' GYP. BOARD INSTALLED PER MANUFACTURERS SPECIFICATIONS  
 FLOOR - AS NOTED ON PLAN

NOTE: INTERIOR FINISHES SHALL BE CLASS 'C' OR BETTER.



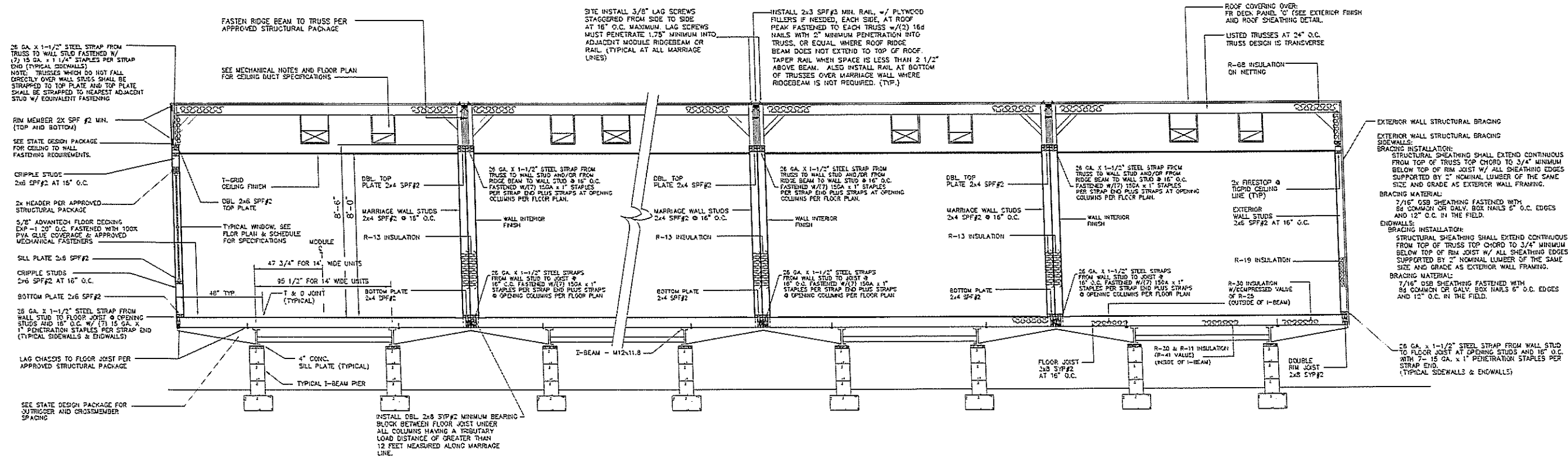
**BALLOON END WALL DETAIL**

NTS



**ROOF SHEATHING DETAIL**

APPROVED TRUSS DESIGN:  
 TRUSS MANUF # : UNIVERSAL  
 TRUSS DRAWING # : F117757 (HC)  
 TRUSS DRAWING # : F117751 (GA, VA, MD)  
 SEE ATTACHED DWG.



**GENERAL CROSS-SECTION NOTES:**

- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY W/ ASTM A36, YIELD STRENGTH = 36 KSI.
- ALL LAG SCREWS MUST COMPLY W/ ANS/ ASME B18.2.1, F<sub>y</sub> 60 KSI MINIMUM.
- SEE FOUNDATION PLAN FOR PIER AND TIE-DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.

R. JOHNSON  
 APPROVED  
 06 08 2015

PROFESSIONAL CERTIFICATION:  
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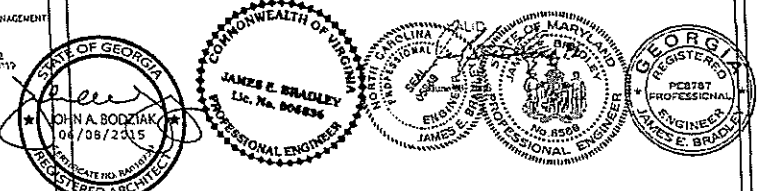
**MICROLAM BEAM CONSTRUCTION**  
 1 LAYER(S) 1 1/2" x 24" MICROLAM, EACH MODULE

NOTES:  
 1. MICROLAM F<sub>y</sub> = 2750 PSI  
 2. MICROLAM MUST BE CONTINUOUS OVER CLEARSPAN(S).  
 3. BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLLANS TO EXTERIOR FACE OF ENDWALL.  
 4. FASTEN ROOF SHEATHING INTO TOP EDGE OF MICROLAM TO PROVIDE CONTINUOUS LATERAL SUPPORT OF BEAM.  
 5. INSTALL (2 x 4) x 20" SPF #3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS WHEN SPECIFIED ON FLOOR PLAN; FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM WITH 100% GLUE COVERAGE AND 6-16 GA. STAPLES WITH 3/4" MINIMUM PENETRATION INTO MICROLAM BEAM.  
 6. WHEN MORE THAN ONE LAYER OF MICROLAM IS INSTALLED ON EITHER SIDE OF THE MAINING LINE, LAYERS ON THAT SIDE OF THE MAINING LINE MUST BE FASTENED TOGETHER WITH 16 GA. STAPLES X 7/16" MINIMUM CROWN (INSTALLED PARALLEL TO BEAM SPANS) X 3/4" MINIMUM PENETRATION INTO CONNECTING LAYER. STAPLES SHALL BE PLACED AT 6" O.C. MAXIMUM VERTICALLY AND HORIZONTALLY WITH FIRST AND LAST ROW OF STAPLES LOCATED 1" FROM TOP AND BOTTOM EDGE OF BEAM RESPECTIVELY.

**RIDGE BEAM CONSTRUCTION:**  
 (SEE FLOOR PLAN) 3/4" PLYWOOD, RATED SHEATHING, EXP.-1, STRUCT.-1, 5 PLY/5 LAYER, 48/24 EACH HALF CONTINUOUS ENTIRE LENGTH OF CLEARSPAN.

NOTES:  
 1. PLYWOOD FACE GRAIN MUST BE PARALLEL TO THE RIDGE BEAM SPAN.  
 2. ALL PLYWOOD BUTT JOINTS MUST BE STAGGERED 24" MINIMUM.  
 3. ALL RIDGE BEAM PLYWOOD LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS, AND GRADE OF PLYWOOD. NO LUMBER OR PLYWOOD FLANGES ARE PERMITTED.  
 4. PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE W/ PS 2-95.  
 5. PLYWOOD LAMINATIONS IN EACH HALF OF THE UNITS MUST BE GLUE NAILED TO ADJACENT LAYERS IN ACCORDANCE W/ PDS SUPPLEMENT #5, W/ AN ADHESIVE COMPLYING W/ ASTM D2555, OR CA29-1.  
 6. PLYWOOD MUST NOT BE TREATED W/ A FIRE RETARDANT PROCESS.  
 7. MOISTURE CONTENT MUST BE LESS THAN 16%.  
 8. BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.  
 9. INSTALL (2x4) x 20" SPF#3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS, WHEN SPECIFIED ON FLOOR PLAN; FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM W/ 100% GLUE COVERAGE AND (6) 16 GA. X 3/4" STAPLES.

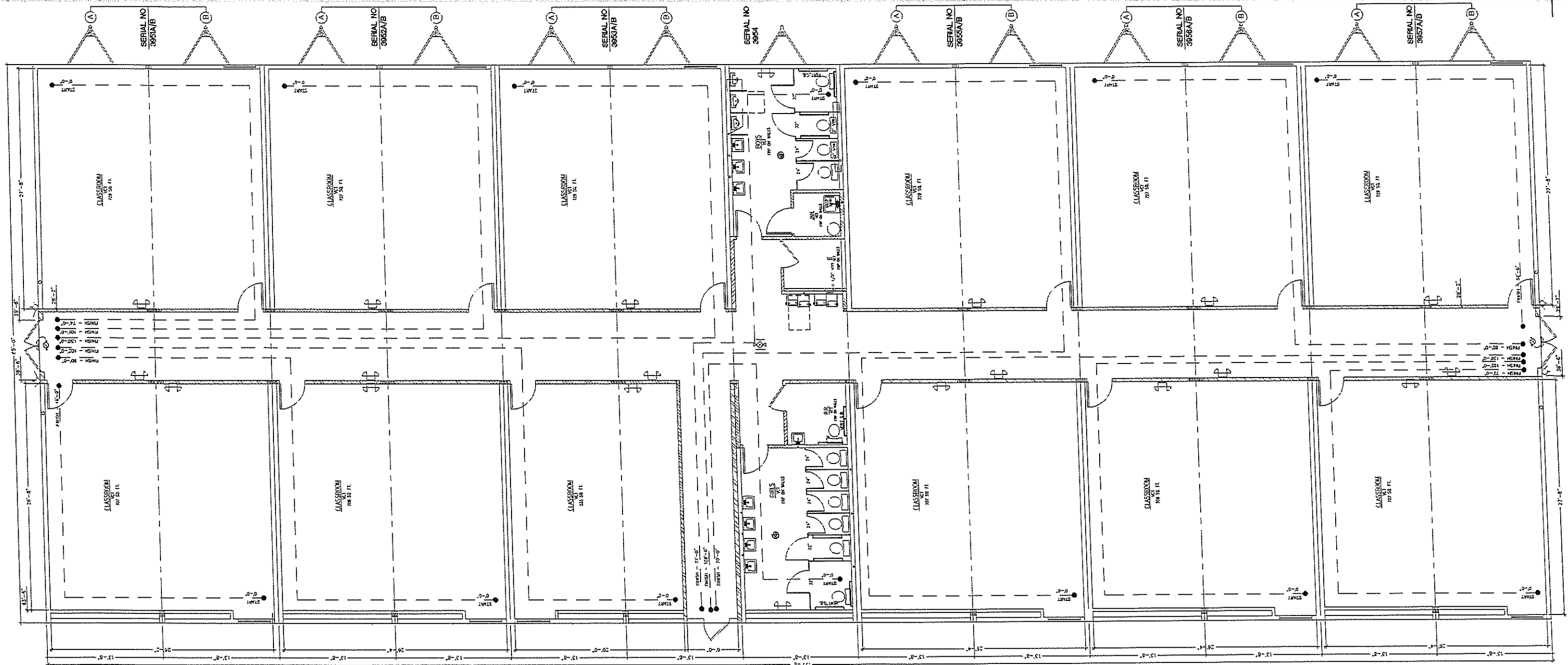
**JOHN A. BODZIAK**  
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**FIRST STRING SPACE**  
 992 RAILROAD AVE. EAST  
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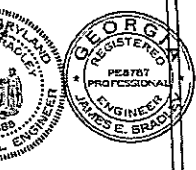
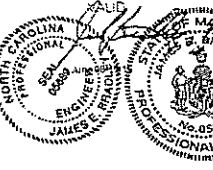
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 SCALE: NO SCALE  
 CODES: SEE NOTES  
 STATES: NC, VA, GA, MD  
 REVISIONS: J.B.  
 REFERENCE: 3351-57  
 FSS3951-57 A-M 65 x 182  
 MOD-POD EDUCATION  
 CROSS SECTION DESTINATION: 4 OF 5



NOTE:  
EACH EXIT DOOR IS ABLE TO ACCOMMODATE:  
(5) DOORS (160" CLEAR/0.20) = 800 PEOPLE

LIFE SAFETY PARAMETERS	
1. USE/OCCUPANCY:	EDUCATIONAL
2. OCCUPANT LOAD:	EDUCATION = 11544 NET SQ. FT. = 429 OCCUPANTS

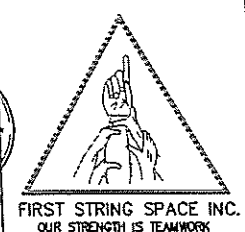
**JOHN A. BODZIAK**  
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ARCHITECTURE, DESIGN AND CONSTRUCTION MANAGEMENT  
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CALIFORNIA REGISTRATION NO. 18458  
2125 LAMBERTON ROAD  
DALE CITY, FLORIDA 32117  
TEL: (727) 217-1668 FAX: (727) 965-7172



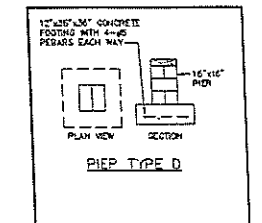
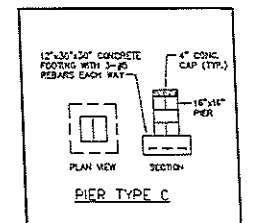
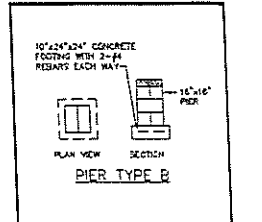
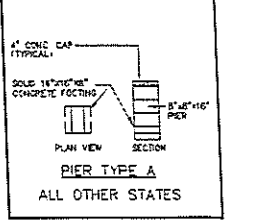
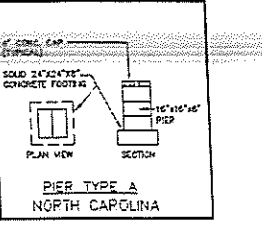
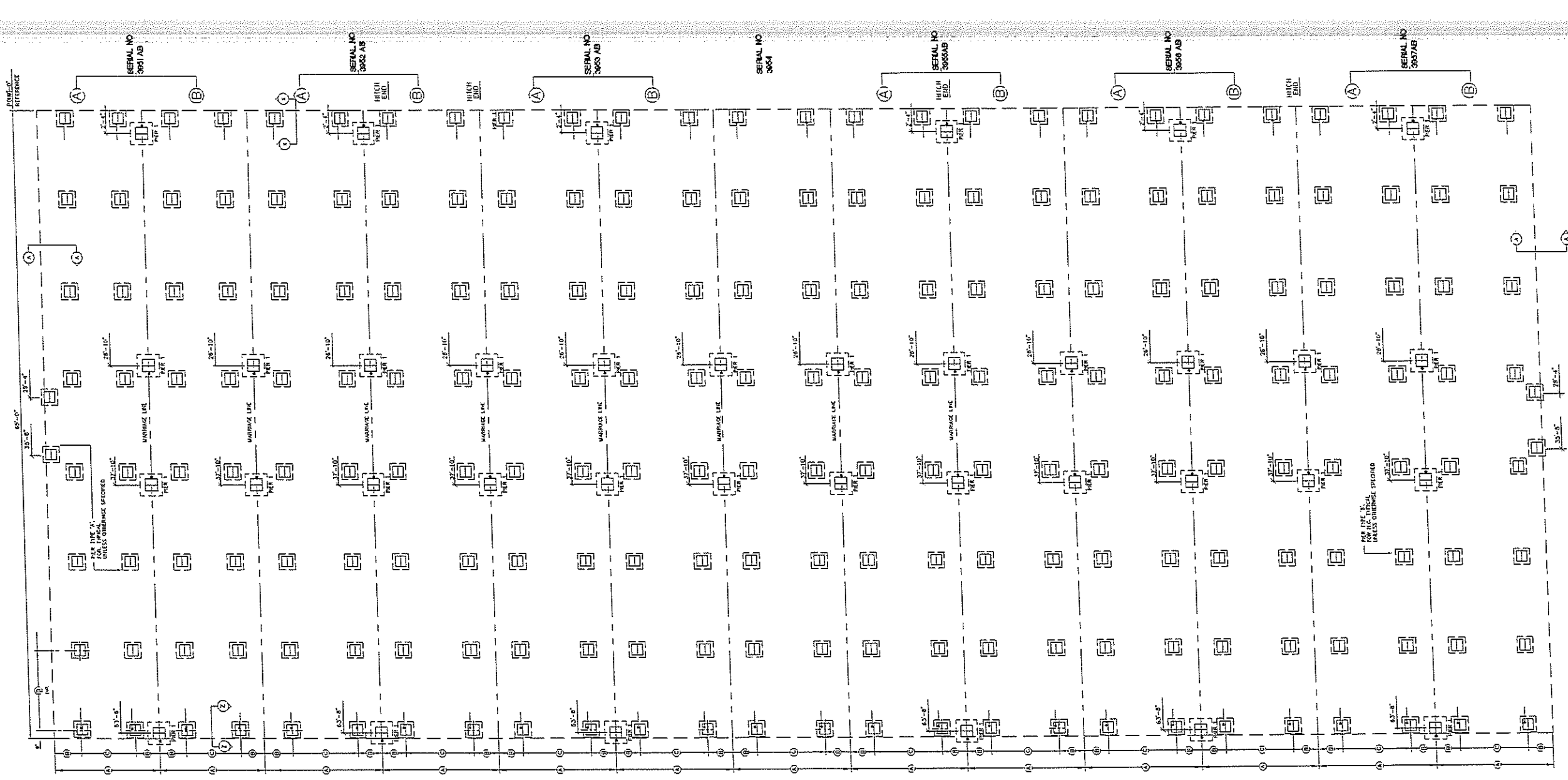
**EMC**  
R. JOHNSON  
APPROVED  
06 08 2015

PROFESSIONAL CERTIFICATION:  
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CONSULTING ENGINEER | JAMES BRADLEY, P.E. - 212 FOX TRAIL - PARKESBURG, PA. 19385 - (610) 857-2458



FIRST STRING SPACE	
682 RAILROAD AVE. EAST PEARSON, GEORGIA 31642 (912) 422-6455	
DATE: 5-26-15	BY: J.B.
SCALE: NO SCALE	SHEET
CODES: SEE NOTES	5 OF 5
STATES: NC, VA, GA, MD	DESTINATION:
PREFERENCE: 39291-57	
FSS3951-57 A-M 65 x 182 MOD-POD EDUCATION	
LIFE SAFETY PLAN	



**FOUNDATION DIMENSIONS NORTH CAROLINA**

A MODULE WIDTH	B PIER TO MODULE EDGE	C STEEL BEAM SPACING
12'-0"	34 1/4"	25 1/2"
D MAXIMUM PIER SPACING	MINIMUM SOIL BEARING CAPACITY	
6'-0"	2000 PSF	
9'-0"	3000 PSF	

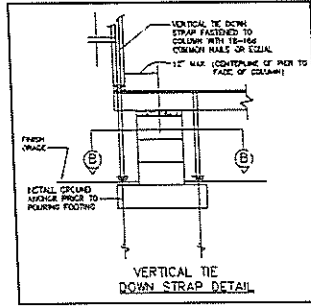
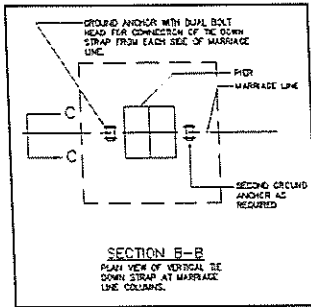
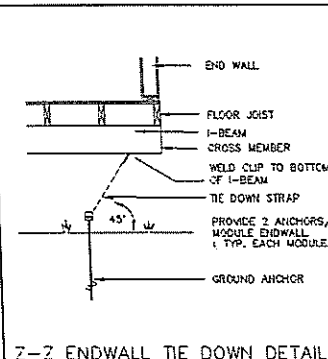
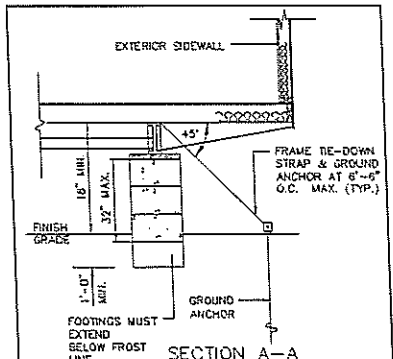
**FOUNDATION DIMENSIONS ALL OTHER STATES**

A MODULE WIDTH	B PIER TO MODULE EDGE	C STEEL BEAM SPACING
12'-0"	34 1/4"	26 1/2"
D MAXIMUM PIER SPACING	MINIMUM SOIL BEARING CAPACITY	
4'-6"	2000 PSF	
7'-0"	3000 PSF	

- FOUNDATION NOTES:**
- ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
  - TIEDOWN STRAPS TO BE 3/4" X 1/4" ZINC PLATE, FINISH B E 2HC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3099. THE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3000 MINIMUM WORKING CAPACITY.
  - EACH GROUND ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SOIL BEARING CAPACITY OF THE SOIL. THE DOWN STRAPS CONNECTED TO THE GROUND ANCHORS, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. LENGTH OF GROUND ANCHORS, EXCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIXES, ETC., TO BE AS SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE HOLDING OR PULLOUT CAPACITIES OF GROUND ANCHORS ARE BELOW THE ASSIGNED DESIGN VALUES, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORING DESIGN.
  - THE FIRST TIE-DOWN STRAP FROM EXTERIOR WALLS SHALL NOT EXCEED 12 INCHES.
  - ALL PIERIS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. UNGLAZED UNITS SHALL BE Laid IN TYPE N OR S MORTAR OR COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE AS DESCRIBED ABOVE.
  - MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 2500 PSI AT 28 DAYS.
  - ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A618, GRADE 60. REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 1" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING.
  - SEE SHEET 1 OF 5 FOR BUILDING DESIGN LOADS.
  - I-BEAM SUPPORT PIERIS MAY BE INSTALLED EXTERNALLY 180" FROM THE OPERATION CENTER OF THE FOUNDATION PLAN. CENTERLINE OF EACH PIER MUST BE LOCATED UNLESS NOTED OTHERWISE.
  - SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2000 PSF, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REDESIGNED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
  - INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR GROUND SPIDRANCE. MANUFACTURER'S RECOMMENDATION ONLY. CRITICAL WHEN PLYING SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE UPDABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.
  - THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMP, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.
  - THE FOUNDATION DIMENSIONS SHOWN ARE NORMAL. AN INCREASE IN MODULE WIDTH SHOULD BE EXPECTED DUE TO MODULE EXPANSION. THE ARCHITECT/ENGINEER MUST BE CONSULTED PRIOR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE AMOUNT OF INCREASED WIDTH TO BE ADDED TO THE NORMAL DIMENSIONS SHOWN ABOVE.

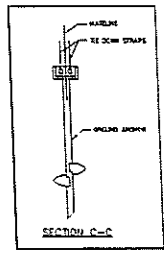
**NOTE:**  
THIS FOUNDATION PLAN IS PROVIDED FOR REFERENCE AS A TYPICAL STANDARD. ACTUAL FOUNDATION CONDITIONS MUST BE EVALUATED FOR APPLICABILITY IF THIS PLAN IS TO BE USED. ALTERNATE FOUNDATION PLANS MAY BE DESIGNED BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY.

**NOTE:**  
THE NUMBER OF PIERS SHOWN ON THIS FOUNDATION PLAN IS NO INDICATION OF THE AMOUNT OF PIERS REQUIRED AND NEEDED FOR THIS BUILDING. SEE MAXIMUM PIER SPACING CHART TO THE LEFT FOR THE CORRECT NUMBER OF PIERS REQUIRED FOR EACH SOIL BEARING CAPACITY.



**MARRIAGE WALL PIER REQUIREMENTS**

PIER NUMBER	MINIMUM SOIL BEARING CAPACITY	PIER TYPE	NUMBER OF VERTICAL TIE DOWN STRAPS PER FOOTING (MINIMUM)
1	2000 PSF	B	1
	3000 PSF	C	1
	2000 PSF	D	1
	3000 PSF	D	1



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TEL: (772) 337-1956 FAX: (772) 337-1957

**EMIC** R. JOHNSON APPROVED 06 08 2015

**COMMONWEALTH OF VIRGINIA**  
JAMES E. BRADLEY  
Lic. No. 006436  
PROFESSIONAL ENGINEER

**STATE OF GEORGIA**  
JAMES E. BRADLEY  
Lic. No. 006436  
PROFESSIONAL ENGINEER

**REGISTERED PROFESSIONAL ENGINEER**  
JAMES E. BRADLEY  
Lic. No. 006436

**FIRST STRING SPACE INC.**  
OUR STRENGTH IS TEAMWORK

**PROFESSIONAL CERTIFICATION:**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY OR UNDER THE SUPERVISION AND CONTROL OF ME, A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33362, EXPIRATION DATE: 03/31/2015.

CONSULTING ENGINEER JAMES BRADLEY, P.E. — 212 FOX TRAIL — PARKERSBURG, PA. 19365 — (610) 857-2458

**FIRST STRING SPACE**  
592 RAILROAD AVE. EAST  
PEARSON, GEORGIA 31642 (912) 422-6455

DATE: 5-26-15  
SCALE: 1/8" = 1'-0"  
CODES: SEE NOTES  
STATES: NC, VA, GA, MD REVISIONS:  
REFERENCE: 3351-57

FSS3951-57 A-M 65 x 182  
MOD-POD EDUCATION

FOUNDATION DESTINATION: 1 OF 1

# **EXHIBIT – C**

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## **Proposed Site Plan**



Ferguson Ln

Dorsett Rd

EXISTING  
CAFETERIA  
MODULAR

EXISTING (12)  
CLASSROOM  
MODULARS

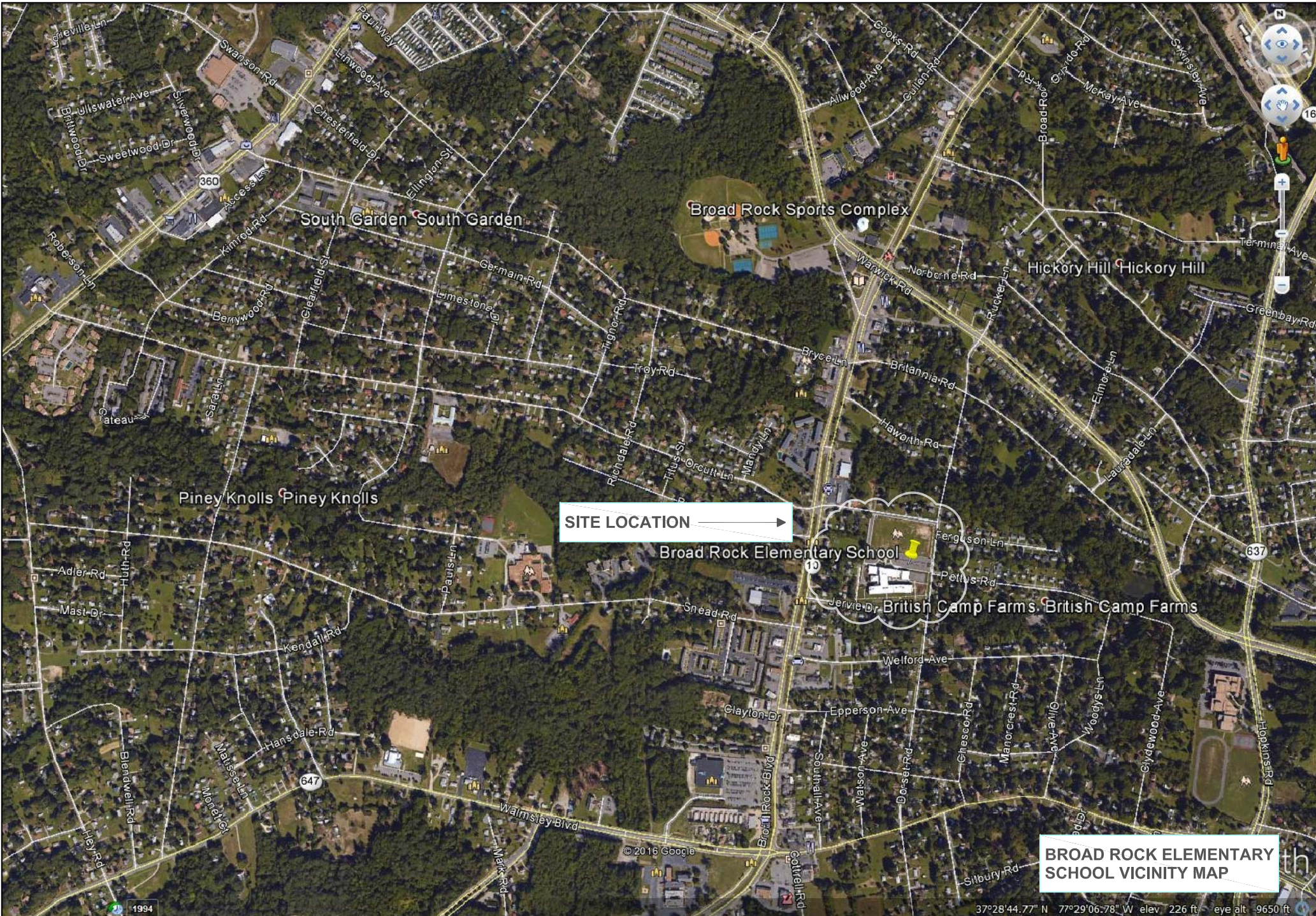
CR	CR
CR	CR
CR	CR
T	T
CR	CR
CR	CR
CR	CR

178'  
PROPOSED LOCATION  
OF NEW MODULARS  
(12) CLASSROOMS

Broad Rock Elementary School

BROAD ROCK ELEMENTARY  
SCHOOL SITE PLAN

th



**SITE LOCATION** →

**BROAD ROCK ELEMENTARY SCHOOL VICINITY MAP**

37°28'44.77" N 77°29'06.78" W elev. 226 ft eye alt. 9650 ft

1994

© 2016 Google

# **EXHIBIT – E**

---

## **Data Sheets**

Mobile Modular's

# CampusMaker ModPod<sup>®</sup>

The Flexible Solution for Sustainable Learning Spaces



Serving California, Florida, Texas and Mid-Atlantic states.





# Adaptable Classrooms for Today's Changing Schools.

Sustainable and customized learning environments.

Fluctuating school enrollment. Shifting demographics. Changing expectations. The CampusMaker ModPod® delivers the flexible solutions for today's rapidly evolving educational needs.

**Today's school districts are progressively seeking better, more secure and adaptable ways to make the most of their available space.** Now with the revolutionary CampusMaker ModPod, creating a reusable and sustainable learning environment has never been easier.

Constructed of durable materials and designed to be easily configured into a wide variety of self-contained classroom complexes, the CampusMaker ModPod delivers what every school needs: energy efficiency, security and a building design that is easily adaptable to different enrollment needs.

## Optimum Flexibility

The expandable and retractable design of the CampusMaker ModPod not only offers the ease of reconfiguration but also a wide variety of configuration options, enabling the Facilities Departments to prepare for most enrollment situations.

These configurations include restrooms, administrative offices, libraries, laboratories, music classrooms and more.

## Tangible Savings

The innovative side-by-side installation of the classrooms significantly reduces the length of utility runs, electrical and plumbing connections, walkways, stairs and access ramps.

All perimeter walls of each double classroom contained within a CampusMaker ModPod are finished as exterior walls. This allows for easy reconfiguration of the CampusMaker ModPod to a larger or smaller size based upon enrollment. Further, reconfiguration can be performed with minimal disruption to the adjacent classrooms.

## Safety and Security

When Mobile Modular designed the CampusMaker ModPod, one of our primary goals was to create a modular classroom system that ensured the safety and security of students and staff.

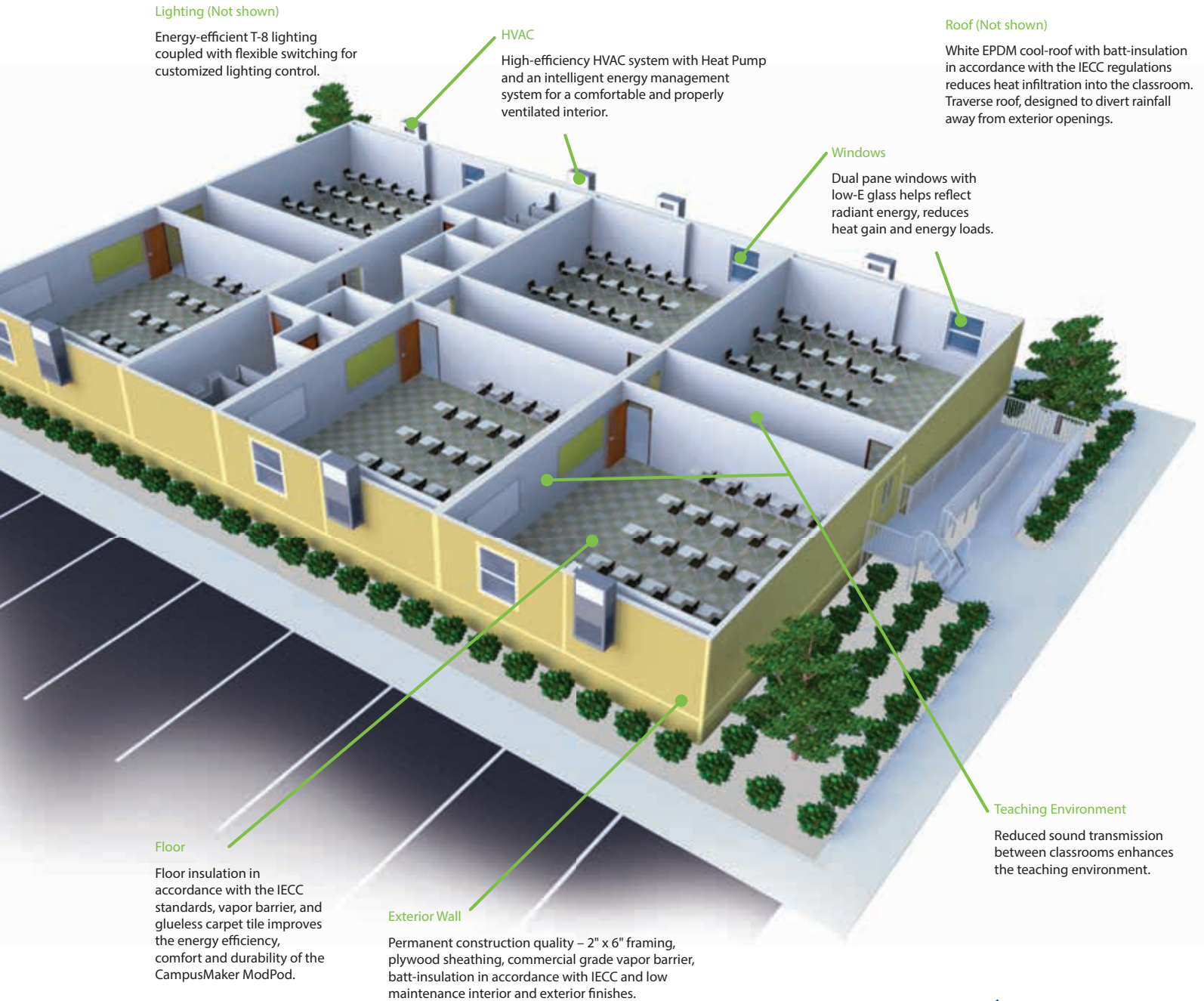
Each CampusMaker ModPod complex is accessed via an internal corridor with steel clad exterior doors, self-closers and panic hardware. To ensure further safety and security, each classroom is accessed through a solid core fire-rated door with a large view block and locking system.

All doors can be equipped with optional alarms, electronic entry control and easily integrated with each facility's primary security and life safety systems.



Let us take care of all of your space needs.

## Mobile Modular's CampusMaker ModPod® Complex



The above illustration depicts a six classroom CampusMaker ModPod complex, with a restroom module and integrated interior corridor. A CampusMaker ModPod classroom module is comprised of two classrooms (27'-0" x 28'-0")\* with an egress corridor. Each classroom is approximately 790 sq. ft. and can accommodate up to 35 students. The interior corridor is 8'-0" wide and is further enhanced with a one-hour-fire-rated construction to protect the occupants. Sprinklers can be installed for additional protection.

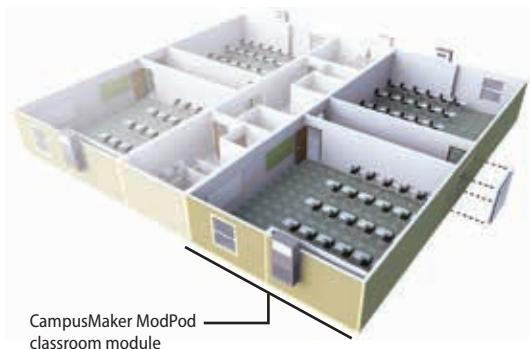
800.944.3442 | [www.mobilemodularrents.com](http://www.mobilemodularrents.com)

\*The availability of the product and its features may vary. Please contact your sales specialist for further information. These specifications are subject to change without notice.



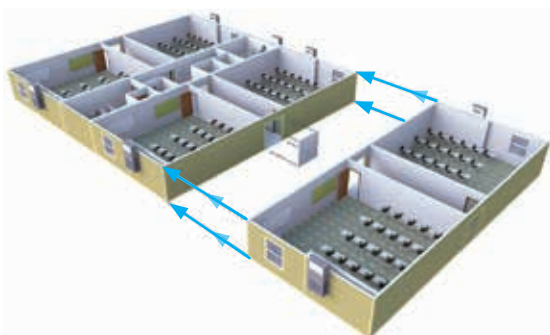
It's as easy as adding and subtracting.  
Protected, Flexible and Environmentally Friendly.

Four classroom configuration.



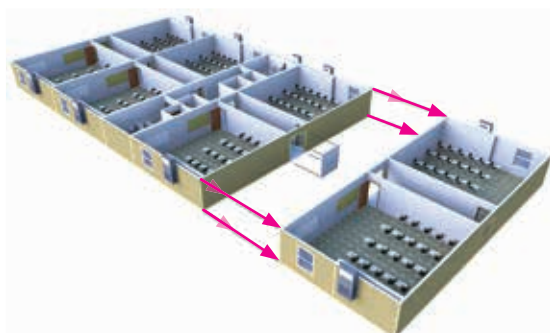
To adjust the size of the CampusMaker ModPod, the two classroom module at either end can be detached and relocated to another site or school. Construction of a new exterior wall is not required as the wall and finishes are already in place. This feature minimizes the down time due to construction and disruption to the remainder of the classroom complex.

Add an additional classroom module to expand the CampusMaker ModPod complex.



By simply removing and relocating the existing security entrance doors to the newly expanded CampusMaker ModPod, this classroom complex is set to operate with six classrooms, a restroom module and corridor. All this can be accomplished with minimal disruption to the occupants and in most cases, the work can be completed in just a few days.

Retract a classroom module to reduce the CampusMaker ModPod complex.



## All CampusMaker ModPod® classrooms feature:

- High-efficiency HVAC system with Heat Pump
- Intelligent energy management system, featuring automatic temperature, humidity and fresh air exchange controls
- High-performance building insulation
- Energy-efficient T-8 electronic ballast and lamps
- Commercial grade, heavy duty vapor barrier
- White EPDM Cool Roof
- Traverse roof, designed to divert rainfall drainage away from exterior openings
- Glueless carpet tiles - 100% recyclable, made from post consumer materials
- Dual pane low-E window

Additionally, the CampusMaker ModPod, also offers a comprehensive selection of options to meet the demands of even the most stringent specifications.

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## CampusMaker ModPod sustainable options include:

- Passive shading devices
- UVC light for HVAC condenser cells
- CO<sub>2</sub> monitoring system
- Radiant heat barrier
- Tubular Daylighting System
- LED fixtures and lamps
- Natural fiber insulation
- Forest Stewardship Council (FSC) certified lumber
- Locally sourced materials
- Low-flush toilet with smart valve
- Tankless hot water heater
- Automated faucet
- Automated paper towel dispenser
- Automated hand soap dispenser





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# **EXHIBIT – F**

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**RPS 2016 Facility Update Cost Estimate 4-12-16**

RPS - Facility Report  
Review of Building Construction Costs

Richmond Public School Buildings	Type of Project	Existing SF	2015 Costs	Comments	2015 Costs (650 Basis)	Comments
Elementary Schools						
Bellevue ES	Complete renovation/replacement	55,623	\$10,012,140	limited site/functional obsolescence	\$10,012,140	limited site/functional obsolescence
Brackwell ES	None- newer building	83,251	\$0	1998 construction	\$0	1998 construction
Broad Rock ES	None- new building	50,810	\$0	2012 construction	\$0	2012 construction???
Carver, G.W. ES	Major renovation	100,000	\$13,000,000	addition needed to meet program req	\$13,000,000	addition needed to meet program req
Cary, John B. ES	Minor renovation	46,711	\$2,395,550	addition needed to meet program req	\$2,395,550	addition needed to meet program req
Chimborazo ES	Minor renovation	75,370	\$3,768,500	addition needed to meet program req	\$3,768,500	addition needed to meet program req
Fairfield Court ES	Complete renovation/replacement with addition	44,398	\$7,991,640	addition needed to meet program req	\$7,991,640	addition needed to meet program req
Fisher, J.B. ES	Minor renovation/addition	44,222	\$2,211,100	addition needed to meet program req	\$2,211,100	addition needed to meet program req
Fox, William ES	Major renovation/addition	58,260	\$7,573,800	addition needed to meet program req	\$7,573,800	addition needed to meet program req
Francis, J. L. ES	Minor renovation/addition	50,954	\$2,847,700	addition needed to meet program req	\$2,847,700	addition needed to meet program req
Ginter Park ES	Major renovation	60,371	\$7,848,230	addition needed to meet program req	\$7,848,230	addition needed to meet program req
Greene, E.S.H. ES	Complete renovation/replacement with addition	41,490	\$7,468,200	addition needed to meet program req	\$7,468,200	addition needed to meet program req
Holton, Linwood ES	None- newer building	80,548	\$0	1998 construction	\$0	1998 construction
Jones, Miles J ES	None- newer building	67,048	\$12,068,640	1999 construction	\$12,068,640	1999 construction
Mason, George ES	Complete renovation/replacement	64,468	\$5,802,120	2012 construction	\$5,802,120	2012 construction
Munford, Mary ES	Moderate renovation	90,810	\$0		\$0	
Oak Grove ES	None- new building	49,300	\$4,437,000		\$4,437,000	
Overby-Sheppard ES	Moderate renovation	56,671	\$5,100,390	addition needed to meet program req	\$5,100,390	addition needed to meet program req
Redd, E.D. ES	Moderate renovation/addition	64,964	\$8,445,320	addition needed to meet program req	\$8,445,320	addition needed to meet program req
Reid, G.H. ES	Major renovation/addition	56,521	\$10,173,780	addition needed to meet program req	\$10,173,780	addition needed to meet program req
Southampton ES	Complete renovation/replacement with addition	44,408	\$5,773,040	addition needed to meet program req	\$5,773,040	addition needed to meet program req
Stuart, J.E.B. ES	Major renovation/addition	48,183	\$8,672,940	addition needed to meet program req	\$8,672,940	addition needed to meet program req
Swansboro ES	Complete renovation/replacement with addition	50,008	\$4,500,720	addition needed to meet program req	\$4,500,720	addition needed to meet program req
Wetover Hills ES	Moderate renovation/addition	78,928	\$13,847,040		\$13,847,040	
Woodville ES	Complete renovation/replacement	1,587,865	\$143,877,850		\$143,877,850	
<b>Subtotal ES</b>						
Middle Schools						
Bimford MS	Complete renovation/replacement	98,013	\$18,622,470	limited site/functional obsolescence	\$18,622,470	limited site/functional obsolescence
Boushall, T. C. MS	Minor renovation	128,530	\$6,426,500	1998 Construction	\$6,426,500	1998 Construction
Brown, Lucille M. MS	None- newer building	129,775	\$0	addition needed to meet program req	\$0	add 50,000 sf
Elkhardt MS	Complete renovation/replacement with addition	91,575	\$17,399,250	addition needed to meet program req	\$17,399,250	
Henderson, T.H. MS	Major renovation	188,131	\$25,397,685	limited site, historic	\$25,397,685	limited site, historic
Hill, A.H. ES	Major renovation	81,152	\$10,955,520	recent replacement	\$10,955,520	recent replacement
King Jr, Martin Luther MS	None- new building	147,000	\$0	addition needed to meet program req	\$0	add 30,000 sf
Thompson MS	Complete renovation/replacement with addition	108,364	\$20,589,160		\$20,589,160	
<b>Subtotal MS</b>						
High Schools						
Armstrong HS	Moderate renovation	237,532	\$23,753,200	Former Kennedy HS	\$23,753,200	Former Kennedy HS
Huguenot HS	New- recent replacement	253,821	\$0		\$0	
Jefferson, Thomas HS	Major renovation	179,983	\$26,098,985		\$26,098,985	
Marshall, John HS	Major renovation	230,994	\$33,494,130		\$33,494,130	
Wythe, George HS	Major renovation	243,114	\$35,251,530		\$35,251,530	