



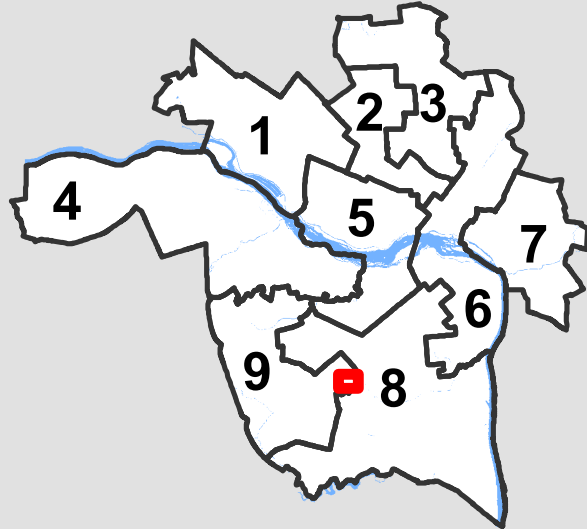
City of Richmond Department of Planning & Development Review

Location, Character, and Extent

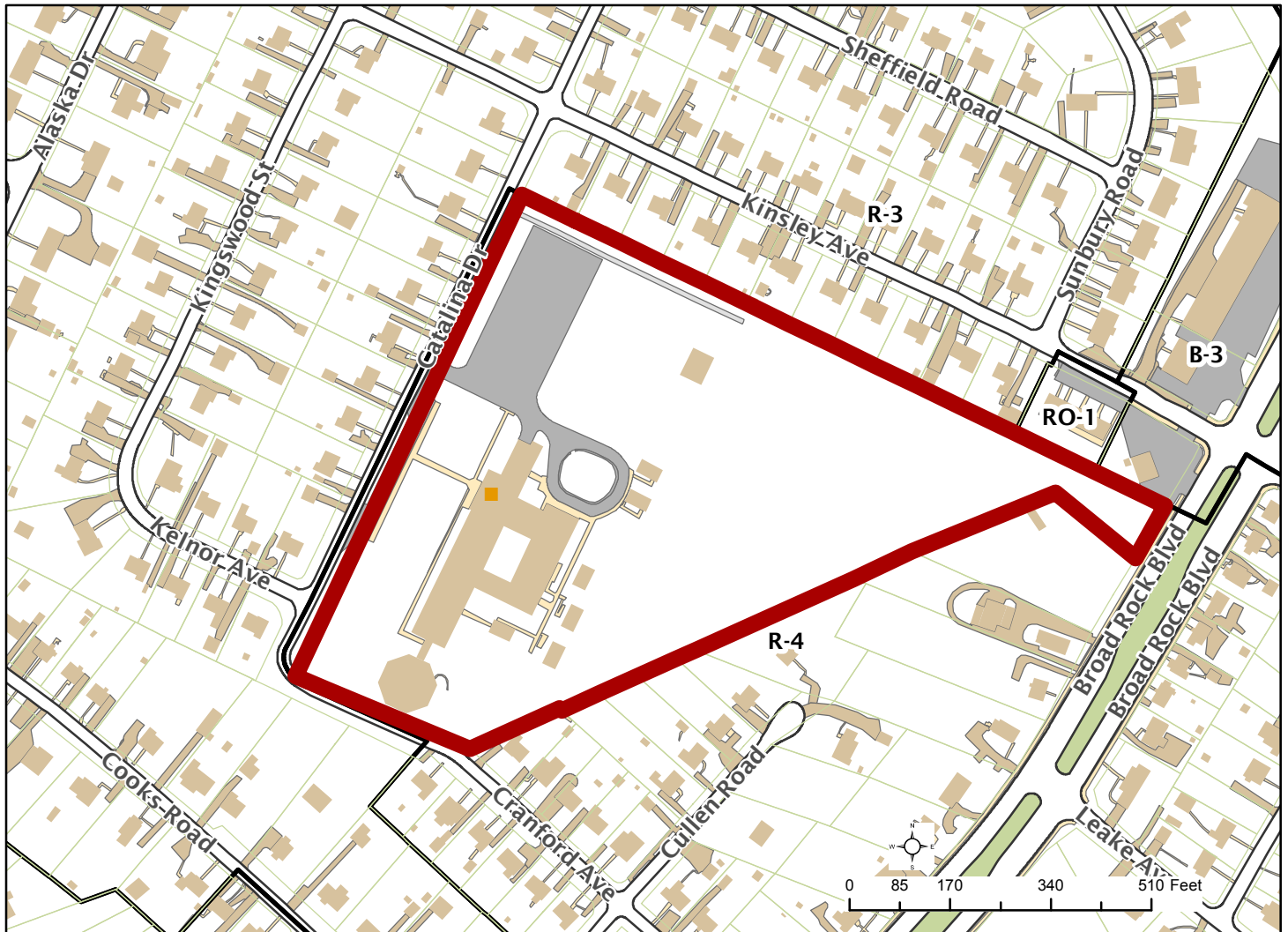
LOCATION: 1745 Catalina Dr

COUNCIL DISTRICT: 9

PROPOSAL: Installation of new modular classrooms & restroom facilities at Greene Elementary



*For questions, please contact Kathleen Onufer
at 646-5207 or 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: ESH Greene Elementary School - Installation of New 8 - Classroom Modular Building w/Restrooms

Project Address: 1745 Catalina Drive, Richmond, Virginia 23224

Brief Project Description (this is not a replacement for the required detailed narrative): Install temporary new (8) classroom building at ESH Greene. This will add to the current student capacity at this school.

The temporary classroom building will be approximately 124'-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.



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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 ¹
February 4, 2016	January 14, 2016	February 16, 2016 ²
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 ³
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 ⁴

¹ Monday, January 18th is a City of Richmond Holiday

² Monday, February 15th is a City of Richmond Holiday

³ Monday, September 5th is a City of Richmond Holiday

⁴ Monday, January 2nd, 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.

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

Andrew Davis, Director

URBAN DESIGN COMMITTEE

June 4, 2015

**Richmond Public Schools
Greene Elementary School
1745 Catalina Drive
Richmond, VA 23224**

Final Review

Narrative:

Greene Elementary School is faced with a significant deficit of classroom space for the upcoming 2016/2017 school year. Greene Elementary School is already over its functional capacity (394 students), with current enrollment of 592 students as shown in the attached Population and Enrollment Forecast (Refer to **EXHIBIT-A**). Continued growth is expected through years 2019-22, levels off in 2022-24. 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 4th and 5th 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 one temporary (leased) modular building at Reid Elementary School. This building will be a 126'-0" x 65'-0", eight classroom temporary modular building with restrooms. Once this building is in place, the existing two portable classroom buildings will be removed (three portable classrooms are in the process of removal now from a previous project), and the site will be returned to its natural state. 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 Greene Elementary School may involve a renovation and expansion of the existing school facility, or a replacement building. The latest data available indicates the costs associated with renovation and expansion to be in the neighborhood of \$11,518,200 (Refer to the RPS 2015 Facility Update Cost Estimate 3-24-15, at **EXHIBIT-F**)

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 lschield@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

Population & Enrollment Forecast



RICHMOND PUBLIC SCHOOLS, VA
POPULATION AND ENROLLMENT FORECASTS

Ginter Park 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	75	73	60	78	71	65	64	63	62	61	60	59	58	60
1	85	75	70	53	70	68	62	61	60	59	59	58	57	56
2	74	82	57	59	47	62	60	55	54	55	54	54	53	52
3	75	81	64	46	53	42	55	53	49	50	51	50	50	49
4	93	82	66	58	42	49	39	51	49	47	48	48	48	48
5	72	81	53	64	55	39	46	37	48	48	46	47	47	47
Total	474	474	370	358	338	325	326	320	322	320	318	316	313	312
Total: Elementary	474	474	370	358	338	325	326	320	322	320	318	316	313	312
Change		0	-104	-12	-20	-13	1	-6	2	-2	-2	-2	-3	-1
Percent Change		0.00%	-21.94%	-3.24%	-5.59%	-3.85%	0.31%	-1.84%	0.63%	-0.62%	-0.63%	-0.63%	-0.95%	-0.32%

Forecasts Developed February 2015

Green cells (2014-15 and earlier) are historical data

Blue cells (2015-16 and later) are forecasted years

Greene 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	108	128	135	113	118	119	121	121	120	121	120	119	116	115
1	106	113	96	114	105	107	108	110	110	109	108	107	106	104
2	76	101	78	95	111	102	104	105	107	108	107	106	105	104
3	65	73	67	81	91	107	98	100	101	104	105	104	103	102
4	55	66	61	70	79	89	105	96	98	100	103	104	103	102
5	68	60	46	59	67	75	85	100	91	94	96	99	100	99
Total	478	541	483	532	571	599	621	632	627	636	639	639	633	626
Total: Elementary	478	541	483	532	571	599	621	632	627	636	639	639	633	626
Change		63	-58	49	39	28	22	11	-5	9	3	0	-6	-7
Percent Change		13.18%	-10.72%	10.14%	7.33%	4.90%	3.67%	1.77%	-0.79%	1.44%	0.47%	0.00%	-0.94%	-1.11%

Forecasts Developed February 2015

Green cells (2014-15 and earlier) are historical data

Blue cells (2015-16 and later) are forecasted years

Linwood Holton 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	118	95	101	101	103	103	102	101	100	101	99	97	96	97
1	106	106	86	92	93	94	94	93	92	91	90	88	87	86
2	99	99	97	83	86	87	88	88	87	87	86	86	84	83
3	97	99	98	80	79	82	83	84	84	84	84	83	83	81
4	91	86	96	91	74	73	76	77	78	79	79	79	78	78
5	72	74	80	95	87	71	70	73	74	76	77	77	77	76
Total	583	559	558	542	522	510	513	516	515	518	515	510	505	501
Total: Elementary	583	559	558	542	522	510	513	516	515	518	515	510	505	501
Change		-24	-1	-16	-20	-12	3	3	-1	3	-3	-5	-5	-4
Percent Change		-4.12%	-0.18%	-2.87%	-3.69%	-2.30%	0.59%	0.58%	-0.19%	0.58%	-0.58%	-0.97%	-0.98%	-0.79%

Forecasts Developed February 2015

Green cells (2014-15 and earlier) are historical data

Blue cells (2015-16 and later) are forecasted years





Schieldge, Lloyd <lschild@richmond.k12.va.us>

Fwd: Student Enrollment

2 messages


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

Proposed Floor Plans

GENERAL NOTES:

1. ACCESS TO BUILDING FOR REPAIRS IN MECHANICAL IS DESIGNED BY AND FIELD BY THE CONTRACTOR AND SUBJECT TO LOCAL JURISDICTION APPROVAL. THE PRIMARY ENTRANCE SHALL BE ACCESSIBLE.
2. ALL DOORS SHALL BE OPERABLE FROM THE EXTERIOR SIDE WITHOUT THE USE OF A KEYS, TOOLS, SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED FLUSH DOORS ON EXTERIOR WALLS SHALL NOT BE USED.
3. ALL GLAZING WITHIN A 24 INCH ARC OF DOORS, WINDOW BOTTOM EDGE IS LESS THAN 48 INCHES FROM THE FLOOR AND ALL GLAZING IN DOORS SHALL BE SAFETY GLAZING OR POLYCARBONATE SHEET.
4. ALL STEEL STRUCTURES ON FLOOR PLAN SHALL BE 1/4" THICK 12 GA. WITH 1/4" X 1/4" X 1/4" ANCHORS. ALL STEEL SHALL BE GALVANNEAL. GALVANNEAL SHALL BE EQUIPPED FROM REAR BEAM TO COLUMN AND COLUMN TO FLOOR. GALVANNEAL SHALL BE INSTALLED TO THE INSIDE OF THE WALLS ON THE EXTERIOR AND TO THE INSIDE OF THE WALLS ON THE INTERIOR.
5. PROVISIONS FOR 157 DISAPPEARING LIFTING ARE THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL. WITH NOT BEING PROTECTED WITH AN IMPACT RESISTANT COLLISION STOPPING THE REQUIREMENTS OF AN APPROVED IMPACT RESISTANT STANDARD OF ASTM D1681. WIND-RESISTANT GLAZING ARE ASSIGNED IN SECTION 705 OF THE SPECIFICATIONS.
6. WIND-RESISTANT GLAZING SHALL BE PROVIDED FOR COMPLIANCE WITH THE WIND DESIGN PROVISIONS FOR COMMODITY AND DURABILITY BY OTHERS SUBJECT TO LOCAL JURISDICTION APPROVAL.
7. THIS BUILDING IS DESIGNED FOR WIND SPEED 140.
8. WINDLOAD AND DOORS MUST BE DESIGNED FOR COMPLIANCE WITH THE WIND DESIGN PROVISIONS FOR COMMODITY AND DURABILITY.

PLUMBING NOTES:

1. TOILETS SHALL BE ELEVATED WITH FINISH FLOOR FROM SEATING SURFACE TO THE TOP OF THE SEATING SURFACE. THE FINISH FLOOR SHALL BE COVERED WITH FINISH MATERIAL. TOILETS SHALL HAVE 1/2" X 1/2" X 1/2" SLOPE TO THE DRAIN. THE FINISH FLOOR SHALL BE COVERED WITH FINISH MATERIAL. TOILETS SHALL HAVE 1/2" X 1/2" X 1/2" SLOPE TO THE DRAIN. THE FINISH FLOOR SHALL BE COVERED WITH FINISH MATERIAL.
2. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLUMBING CODES AND LOCAL JURISDICTION APPROVAL.
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11. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLUMBING CODES AND LOCAL JURISDICTION APPROVAL.
12. ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLUMBING CODES AND LOCAL JURISDICTION APPROVAL.

ELECTRICAL NOTES:

1. ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROVED ELECTRICAL CODES AND LOCAL JURISDICTION APPROVAL.
2. ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROVED ELECTRICAL CODES AND LOCAL JURISDICTION APPROVAL.
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12. ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROVED ELECTRICAL CODES AND LOCAL JURISDICTION APPROVAL.

MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 16 INCHES X 16 INCHES ADJUSTABLE WITH 10 ROUNDS X 20 INCHES (SHOULD OVERHEAD FEEDBACK).
2. ALL SUPPLY AIR REGISTERS SHALL BE 16 INCHES X 16 INCHES ADJUSTABLE WITH 10 ROUNDS X 20 INCHES (SHOULD OVERHEAD FEEDBACK).
3. ALL SUPPLY AIR REGISTERS SHALL BE 16 INCHES X 16 INCHES ADJUSTABLE WITH 10 ROUNDS X 20 INCHES (SHOULD OVERHEAD FEEDBACK).
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10. ALL SUPPLY AIR REGISTERS SHALL BE 16 INCHES X 16 INCHES ADJUSTABLE WITH 10 ROUNDS X 20 INCHES (SHOULD OVERHEAD FEEDBACK).
11. ALL SUPPLY AIR REGISTERS SHALL BE 16 INCHES X 16 INCHES ADJUSTABLE WITH 10 ROUNDS X 20 INCHES (SHOULD OVERHEAD FEEDBACK).
12. ALL SUPPLY AIR REGISTERS SHALL BE 16 INCHES X 16 INCHES ADJUSTABLE WITH 10 ROUNDS X 20 INCHES (SHOULD OVERHEAD FEEDBACK).

WINDOW & DOOR SPECIFICATIONS:

1. DR. PANE WINDOWS ARE REQUIRED FOR ALL CLIMATE ZONES. SEE THE COMPLETED ENERGY CALCULATIONS FOR THE MAXIMUM ALLOWED U-FACTOR AND SHGC.
2. THE MAXIMUM ALLOWABLE AIR LEAKAGE RATE FOR WINDOWS IS 0.3 CFM PER SQUARE FOOT OF WINDOW AREA.
3. THE MAXIMUM ALLOWABLE AIR LEAKAGE RATE FOR EXTERIOR DOORS IS 0.3 CFM PER SQUARE FOOT OF DOOR AREA.

SYMBOLS

STRUCTURAL LOAD LIMITATIONS - ALL OTHER STATES

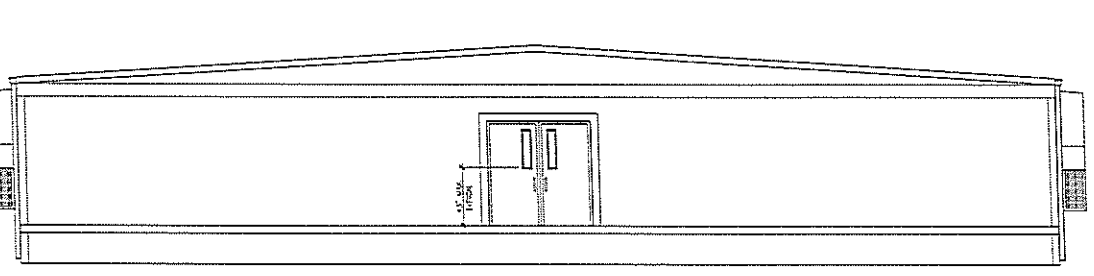
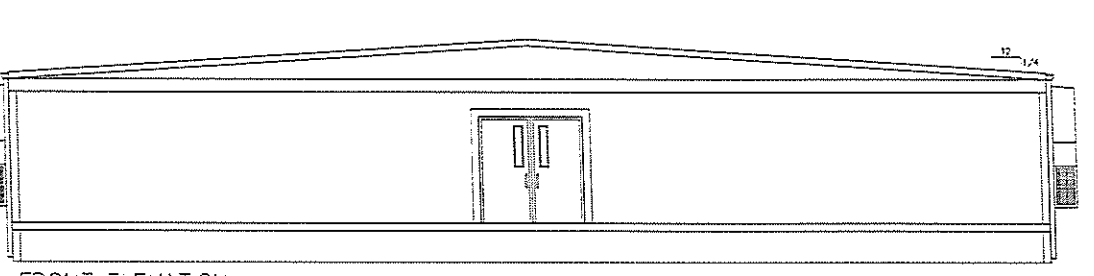
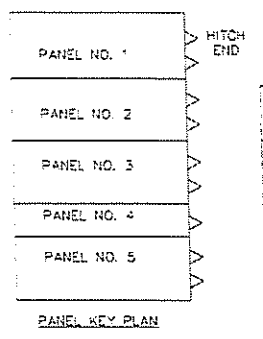
LOAD TYPE	LOAD VALUE
DEAD LOAD	10 PSF
LIVE LOAD	40 PSF
WIND LOAD	140 MPH
SEISMIC LOAD	0.2

STRUCTURAL LOAD LIMITATIONS - MARYLAND ONLY

LOAD TYPE	LOAD VALUE
DEAD LOAD	10 PSF
LIVE LOAD	40 PSF
WIND LOAD	140 MPH
SEISMIC LOAD	0.2

ACCESSIBILITY NOTES:

1. THE INTERNATIONAL BUILDING CODE (IBC) SHALL BE REFERENCED FOR ALL ACCESSIBILITY REQUIREMENTS. ACCESSIBILITY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED ACCESSIBILITY CODES AND LOCAL JURISDICTION APPROVAL.
2. ACCESSIBILITY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED ACCESSIBILITY CODES AND LOCAL JURISDICTION APPROVAL.
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6. ACCESSIBILITY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED ACCESSIBILITY CODES AND LOCAL JURISDICTION APPROVAL.
7. ACCESSIBILITY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED ACCESSIBILITY CODES AND LOCAL JURISDICTION APPROVAL.
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9. ACCESSIBILITY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED ACCESSIBILITY CODES AND LOCAL JURISDICTION APPROVAL.
10. ACCESSIBILITY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED ACCESSIBILITY CODES AND LOCAL JURISDICTION APPROVAL.
11. ACCESSIBILITY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED ACCESSIBILITY CODES AND LOCAL JURISDICTION APPROVAL.
12. ACCESSIBILITY EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED ACCESSIBILITY CODES AND LOCAL JURISDICTION APPROVAL.



PANEL NO. 1

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE
1.1	120V 15A	15	120	1
1.2	120V 20A	20	120	1
1.3	120V 30A	30	120	1
1.4	120V 40A	40	120	1
1.5	120V 50A	50	120	1

ELECTRICAL PANEL SIZING

DESCRIPTION: PANEL 1

GENERAL LIGHTING: 1000 WATT 120V 15A

REAR LIGHTING: 1000 WATT 120V 15A

WATER HEATER: 1500 WATT 120V 15A

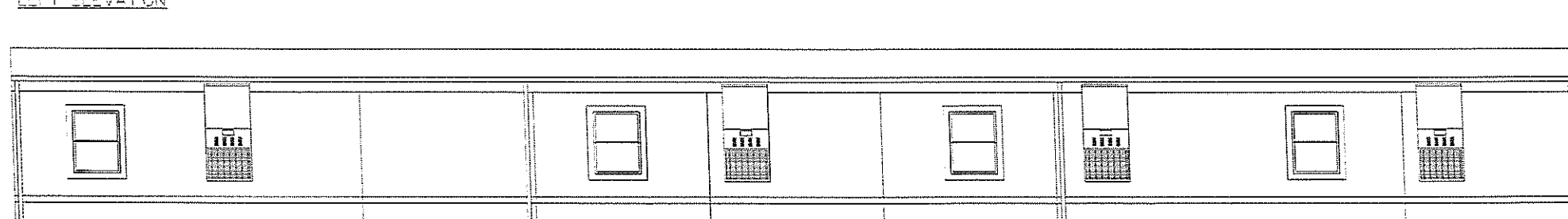
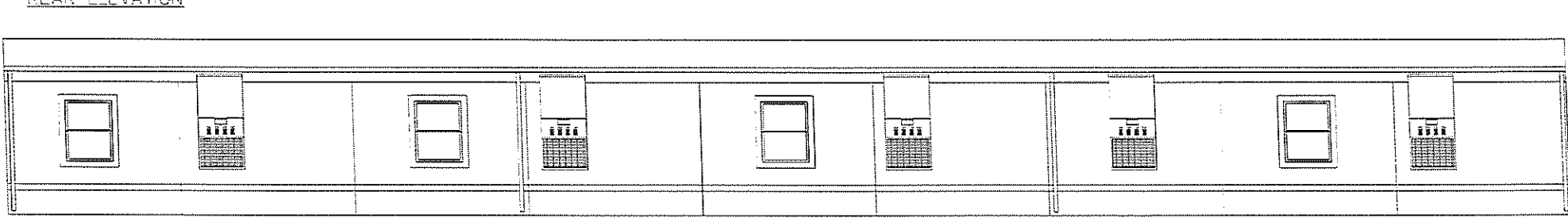
WINDUP AT 120V 15A

TOTAL: 2000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT



PANEL NO. 2

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE
2.1	120V 15A	15	120	1
2.2	120V 20A	20	120	1
2.3	120V 30A	30	120	1
2.4	120V 40A	40	120	1
2.5	120V 50A	50	120	1

ELECTRICAL PANEL SIZING

DESCRIPTION: PANEL 2

GENERAL LIGHTING: 1000 WATT 120V 15A

REAR LIGHTING: 1000 WATT 120V 15A

WATER HEATER: 1500 WATT 120V 15A

WINDUP AT 120V 15A

TOTAL: 2000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

PANEL NO. 3

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE
3.1	120V 15A	15	120	1
3.2	120V 20A	20	120	1
3.3	120V 30A	30	120	1
3.4	120V 40A	40	120	1
3.5	120V 50A	50	120	1

ELECTRICAL PANEL SIZING

DESCRIPTION: PANEL 3

GENERAL LIGHTING: 1000 WATT 120V 15A

REAR LIGHTING: 1000 WATT 120V 15A

WATER HEATER: 1500 WATT 120V 15A

WINDUP AT 120V 15A

TOTAL: 2000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

PANEL NO. 4

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE
4.1	120V 15A	15	120	1
4.2	120V 20A	20	120	1
4.3	120V 30A	30	120	1
4.4	120V 40A	40	120	1
4.5	120V 50A	50	120	1

ELECTRICAL PANEL SIZING

DESCRIPTION: PANEL 4

GENERAL LIGHTING: 1000 WATT 120V 15A

REAR LIGHTING: 1000 WATT 120V 15A

WATER HEATER: 1500 WATT 120V 15A

WINDUP AT 120V 15A

TOTAL: 2000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

ATTENTION LOCAL INSPECTIONS DEPARTMENT

SITE INSTALLED ITEMS

THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE MANUFACTURER AND ARE TO BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.

1. THE COMPLETE FOUNDATION SUPPORT AND THE DOWN SYSTEM.
2. FRAME STUDS AND GENERAL ACCESS TO THE BUILDING.
3. PORTABLE FIRE EXTINGUISHERS.
4. BRINE DRAIN, CONDENSATE, AND WASH-DOWN PLUMBING SYSTEMS.
5. ELECTRICAL SERVICE WORK-UP (INCLUDING PERMITS) TO THE BUILDING.
6. THE MAIN ELECTRICAL PANEL AND SUB-PANELS.
7. CONNECTION OF ELECTRICAL CIRCUITS TO THE MAIN ELECTRICAL PANEL AND SUB-PANELS.
8. STRUCTURAL AND ARCHITECTURAL INTERFERENCES BETWEEN MODULES.
9. THE REVISIONS.
10. ALL OTHER ITEMS LISTED IN THE GENERAL NOTES.

MAP/PLAN NOTES:

1. REFER TO STATE PARALLEL GRID CO. 1800 FOR REQUIRED GRID COORDINATES TO 1000 FT.
2. THE FOLLOWING NOTES SHALL BE ON THE BLUE PRINTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.
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8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF ALL ITEMS LISTED BELOW.

ELEVATION NOTES - TYPICAL

FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 100 SQUARE FEET OF FLOOR AREA AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS. SEE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION.

BUILDING DESIGN PARAMETERS

1. USE/OCCUPANCY:	EDUCATION
2. CONSTRUCTION TYPE:	VI
3. SPRINKLER SYSTEM:	NO
4. BUILDING AREA:	799 SF
5. BUILDING HEIGHT:	5.15 FEET
6. NUMBER OF STORIES:	1
7. NUMBER OF MODULES:	5
8. OCCUPANT LOAD (BASED ON IBC NET SF/PERSON):	101 RATED
9. EXTERIOR WALL FIRE RATING:	NOI RATED
10. THIS BUILDING MUST BE INSTALLED WITH THE FIRE STOPPING SYSTEMS REQUIRED BY IBC TABLE 602 AND SECTION 705.3.	
11. ENERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATION.	
12. MANUFACTURERS DATA PLATE, STATE LABELS AND ACCESSIBILITY LABELS TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.	

PANEL NO. 5

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE
5.1	120V 15A	15	120	1
5.2	120V 20A	20	120	1
5.3	120V 30A	30	120	1
5.4	120V 40A	40	120	1
5.5	120V 50A	50	120	1

ELECTRICAL PANEL SIZING

DESCRIPTION: PANEL 5

GENERAL LIGHTING: 1000 WATT 120V 15A

REAR LIGHTING: 1000 WATT 120V 15A

WATER HEATER: 1500 WATT 120V 15A

WINDUP AT 120V 15A

TOTAL: 2000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

PANEL NO. 3

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE
3.1	120V 15A	15	120	1
3.2	120V 20A	20	120	1
3.3	120V 30A	30	120	1
3.4	120V 40A	40	120	1
3.5	120V 50A	50	120	1

ELECTRICAL PANEL SIZING

DESCRIPTION: PANEL 3

GENERAL LIGHTING: 1000 WATT 120V 15A

REAR LIGHTING: 1000 WATT 120V 15A

WATER HEATER: 1500 WATT 120V 15A

WINDUP AT 120V 15A

TOTAL: 2000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

PANEL NO. 4

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE
4.1	120V 15A	15	120	1
4.2	120V 20A	20	120	1
4.3	120V 30A	30	120	1
4.4	120V 40A	40	120	1
4.5	120V 50A	50	120	1

ELECTRICAL PANEL SIZING

DESCRIPTION: PANEL 4

GENERAL LIGHTING: 1000 WATT 120V 15A

REAR LIGHTING: 1000 WATT 120V 15A

WATER HEATER: 1500 WATT 120V 15A

WINDUP AT 120V 15A

TOTAL: 2000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

PANEL NO. 5

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE
5.1	120V 15A	15	120	1
5.2	120V 20A	20	120	1
5.3	120V 30A	30	120	1
5.4	120V 40A	40	120	1
5.5	120V 50A	50	120	1

ELECTRICAL PANEL SIZING

DESCRIPTION: PANEL 5

GENERAL LIGHTING: 1000 WATT 120V 15A

REAR LIGHTING: 1000 WATT 120V 15A

WATER HEATER: 1500 WATT 120V 15A

WINDUP AT 120V 15A

TOTAL: 2000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

120V 15A 1000 WATT

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. 000663, EXPIRATION DATE: 06/01/13.

APPROVED May 01, 2013 **APPROVED**

JAMES E. BRADLEY
Professional Engineer
Lic. No. 000663

STATE OF MARYLAND
Professional Engineer

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILITY	ENERGY CODE
MARYLAND	2012 IBC	2011 NEC	2012 IMC	2012 IPC & VFA AMENDS	ADA	2012 EEC
VA	2009 IBC	2008 NEC	2009 IMC	2009 IPC	ADA/ANSI 117.1-03	2009 EEC

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

DATE: 4-16-13
SCALE: NO SCALE
CODES: SEE NOTES
REVISED: MOD-POD

FSS2360-64 A-1 126 x 60
MOD-POD EDUCATION

COVER SHEET DESTINATION: WEST CHESTER, PA.

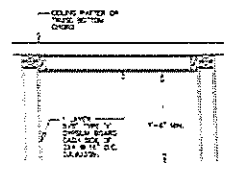
THIRD PART: RADCO
3456 CRESHAW ST.
TAMPA, FLORIDA 33634
813-243-3370

J.B.
1 OF 3

REINFORCING OF THE RESISTANT WALLS AND CEILING

- CONCRETE WALLS AND CEILING REINFORCING SHALL BE DESIGNED AND PLACED TO RESIST THE FULL DESIGN LOADS AND TO BE REINFORCED TO A MINIMUM OF 4% REINFORCEMENT RATIO. ALL REINFORCEMENT SHALL BE PLACED IN THE MIDDLE OF THE WALL AND CEILING.
- ALL REINFORCEMENT SHALL BE PLACED IN THE MIDDLE OF THE WALL AND CEILING.
- ALL REINFORCEMENT SHALL BE PLACED IN THE MIDDLE OF THE WALL AND CEILING.
- ALL REINFORCEMENT SHALL BE PLACED IN THE MIDDLE OF THE WALL AND CEILING.

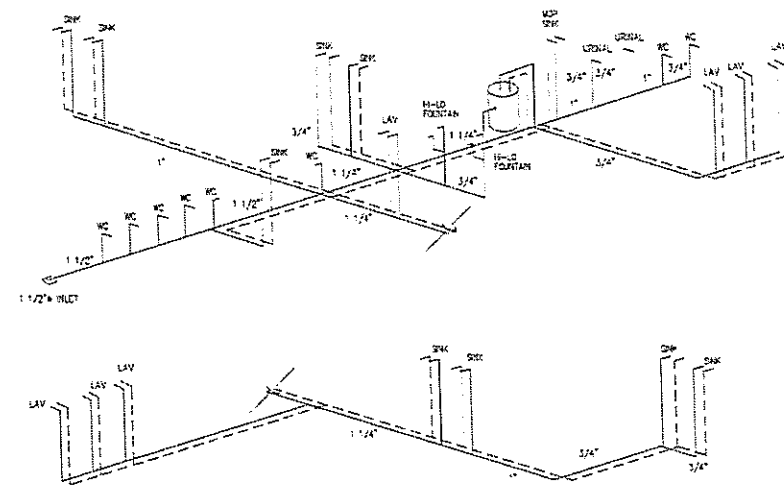
WOOD STUD WALLS - 1" DIA PER 16" ON CENTER - 1" LAYER SHT 10" X 10" ON CENTER EACH SIDE OF WALL



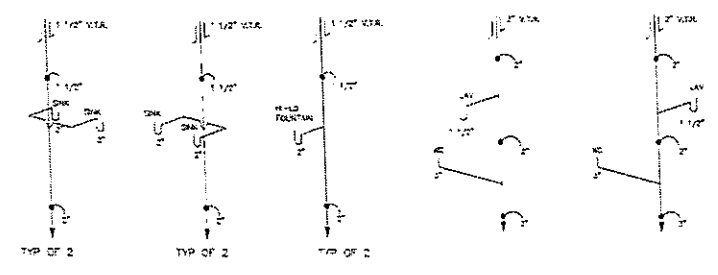
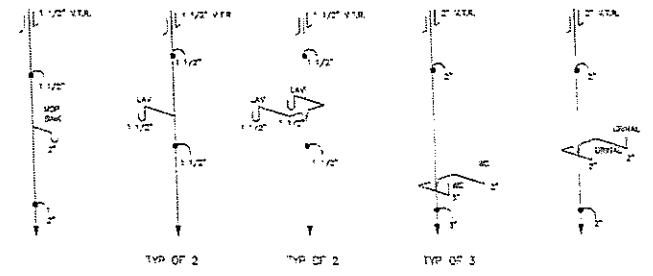
ONE-COUR CONSTRUCTION

SUPPLY THE SIZE IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 44 TO 50 PSI AT MAIN FLOOR AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

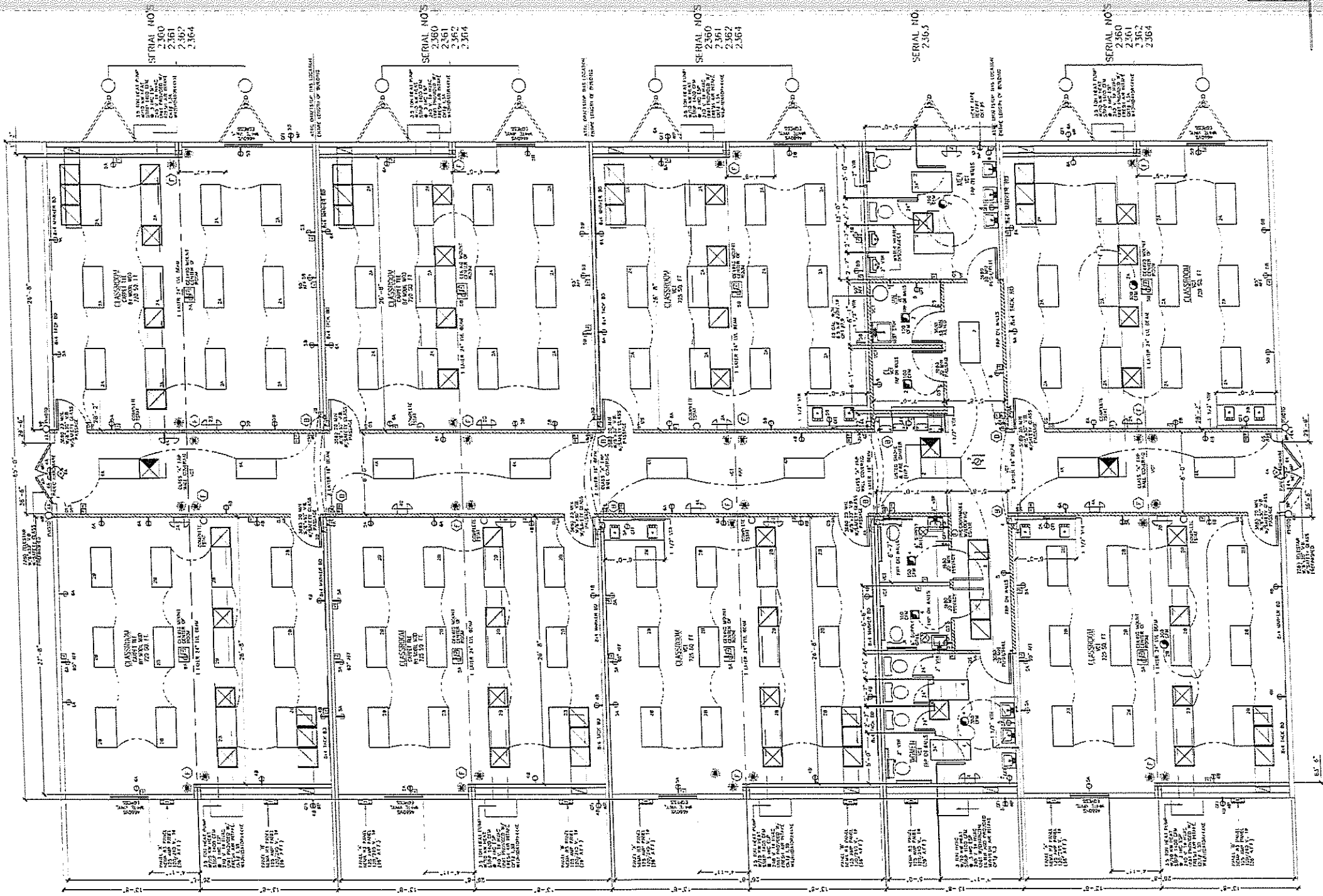
ALL SUPPLY LINES SHALL BE 3/4" ALL STUD-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.



SUPPLY RISER -NTS-



DWV RISER -NTS-

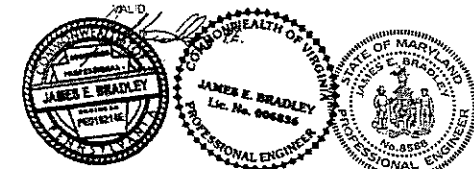


COLUMN STRAPPING SCHEDULE:

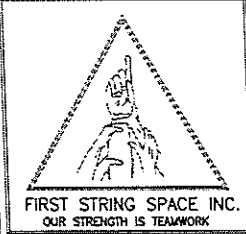
(1) 2x4 EPF @ 12" O.C.	(2) 2x4 EPF @ 12" O.C.
(3) 2x4 EPF @ 12" O.C.	(4) 2x4 EPF @ 12" O.C.
(5) 2x4 EPF @ 12" O.C.	(6) 2x4 EPF @ 12" O.C.
(7) 2x4 EPF @ 12" O.C.	(8) 2x4 EPF @ 12" O.C.
(9) 2x4 EPF @ 12" O.C.	(10) 2x4 EPF @ 12" O.C.

NOTES:
 1. ALL COLUMN STUDS SHALL BE CLAMPED TOGETHER.
 2. ALL CLAMPING SHALL BE DONE WITH 100% COVERAGE SHALL BE USED.
 3. INSTALL TWO STEEL STRAPS AT EACH STUD OF EACH COLUMN.
 4. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED.

PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 006836, EXPIRATION DATE: 06/30/13.



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



FIRST STRING SPACE	
392 RAILROAD AVE EAST PARKERSBURG, GEORGIA 31842 (912) 422-6455	
DATE: 4-8-13	THIRD PARTY: RADCO
SCALE: 3/16"=1'-0"	5455 CRENSHAW ST. TAMPA, FLORIDA 33624 813-253-0370
CODES: SEE NOTES	REVISIONS:
STATES: PA, VA, MD	BY: J.E.
REFERENCE: MOD-POD	2 OF 3
FSS2360-64 A-1 126 x 60 MOD-POD EDUCATION FLOOR PLAN	

APPROVED
 May 01, 2013
 APPROVED
 RADCO

EXTERIOR FINISH MATERIAL:

ROOF - MULE-HIDE 48 MIL (WHITE) EPDM FULLY ADHERED IN ACCORDANCE WITH ESP-1776 OVER 7/16" MULE-HIDE FR DECK PANEL 'C' INSTALLED PER MANUFACTURERS SPECIFICATIONS.

OR

ROOF - FIRESTONE 48 MIL (WHITE) EPDM FULLY ADHERED OVER 7/16" FIRESTONE COVER D'X INSTALLED PER MANUFACTURERS SPECIFICATIONS.

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

INTERIOR FINISH MATERIAL:

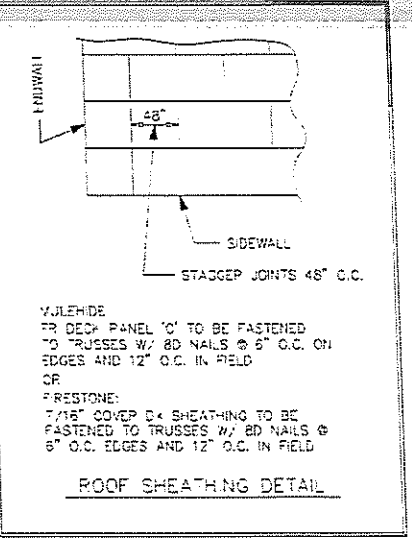
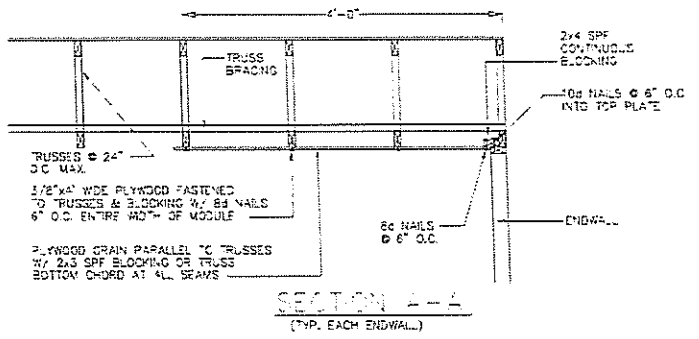
CEILING - 1-GPUD CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS

WALL - 5/8" TYPE 'X' GYP. BOARD (VOC THROUGHOUT) INSTALLED PER MANUFACTURERS SPECIFICATIONS

CORRIDOR, RESTROOM & CLOSET - 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.



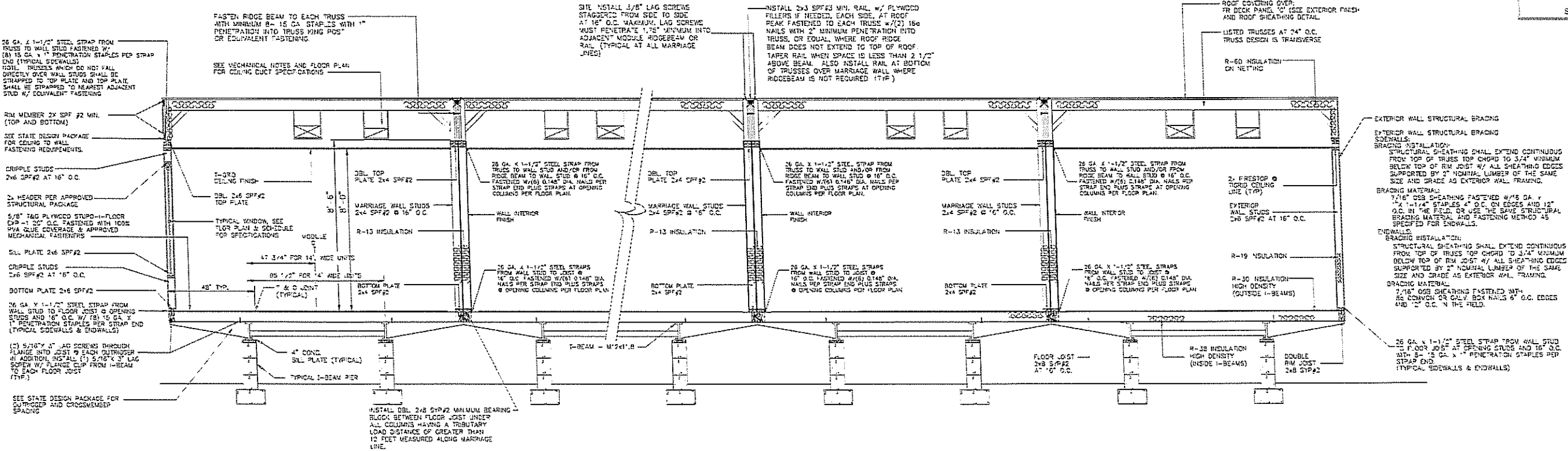
APPROVED TRUSS DESIGN:

TRUSS MANUF # : UNIVERSAL

TRUSS DRAWING # : F117717 (MARYLAND)

TRUSS DRAWING # : F117707 (OTHER STATES)

SEE ATTACHED DWG.



MICROLAM BEAM CONSTRUCTION

1 LAYER(S) 1/8" x 24" MICROLAM, EACH MODULE.

NOTES:

- MICROLAM F = 2750 PSI
- MICROLAM MUST BE CONTINUOUS OVER CLEARANCES.
- BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
- FASTEN ROOF SHEATHING INTO TOP EDGE OF MICROLAM TO PROVIDE CONTINUOUS LATERAL SUPPORT OF BEAM.
- 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% GLE COVERAGE AND 8-16 GA. STAPLES WITH 3/4" MINIMUM PENETRATION INTO MICROLAM BEAM.
- WHEN MORE THAN ONE LAYER OF MICROLAM IS INSTALLED ON OTHER SIDE OF THE MATING LINE, LAYERS ON THAT SIDE OF THE MATING LINE MUST BE FASTENED TOGETHER WITH 16 GA. STAPLES X 7/8" MINIMUM GROWN (UNSTAPLED PARALLEL TO BEAM SPAN) X 3/4" MINIMUM PENETRATION INTO CONNECTING LAYER. STAPLES SHALL BE PLACED AT 8" O.C. MAXIMUM VERTICALLY AND HORIZONTALLY WITH FIRST AND LAST ROW OF STAPLES LOCATED 1" FROM TOP AND BOTTOM EDGE OF BEAM RESPECTIVELY.

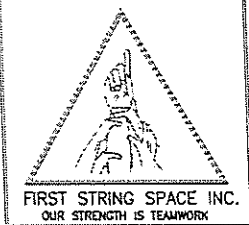
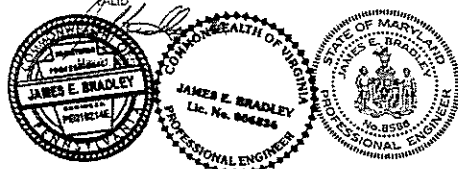
GENERAL CROSS-SECTION NOTES:

- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY WITH ASTM A36, YIELD STRENGTH = 36 KSI.
- ALL LAG SCREWS MUST COMPLY WITH A193 / ASME B18.2.1 TYPE 304 SS MINIMUM.
- SEE FOUNDATION PLAN FOR PIER AND TIE-DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.

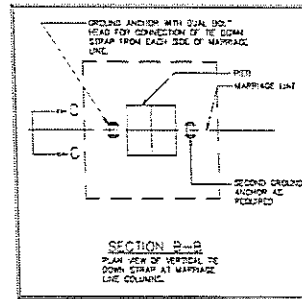
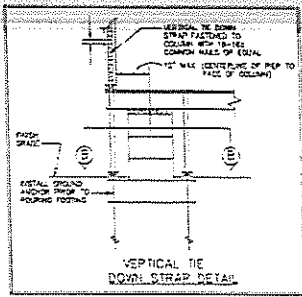
PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR SUPERVISED BY ME AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 86668.

APPROVED **RADCO** APPROVED
May 01, 2013

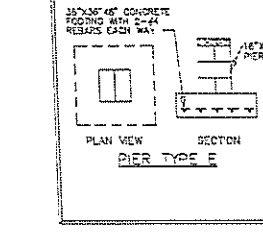
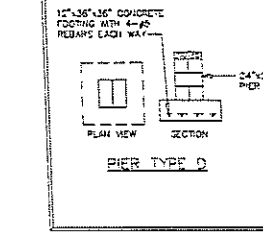
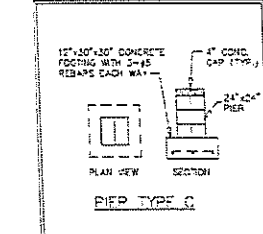
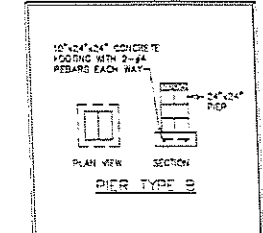
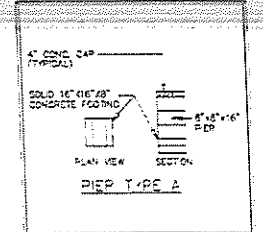
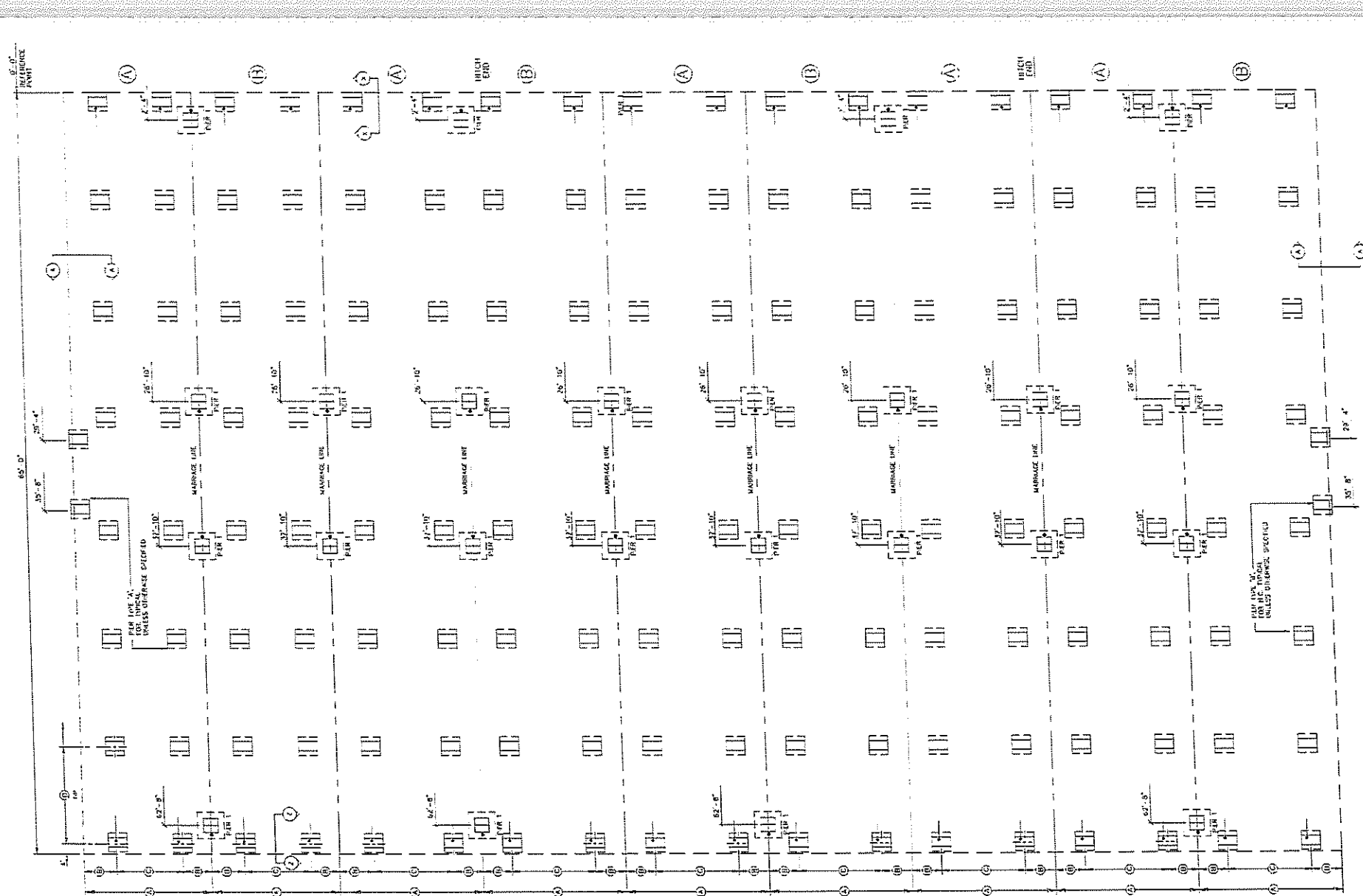


FIRST STRING SPACE			
832 RAILROAD AVE. EAST PEARSON, GEORGIA 31642 (912) 422-6455			
DATE: 4-15-13	THIRD PARTY: RADCO	3456 CRENSHAW ST. TAMPA, FLORIDA 33624	
SCALE: NO SCALE	CODES: SEE NOTES	BY: J.E.B.	9-01
STATE: PA, VA, MD	REVISIONS:	FSS2360-64 A-1 126 x 60 MCD-PCD EDUCATION	
REFERENCE: MCD-PCD	CROSS SECTION	3 OF 3	



FOUNDATION DIMENSIONS

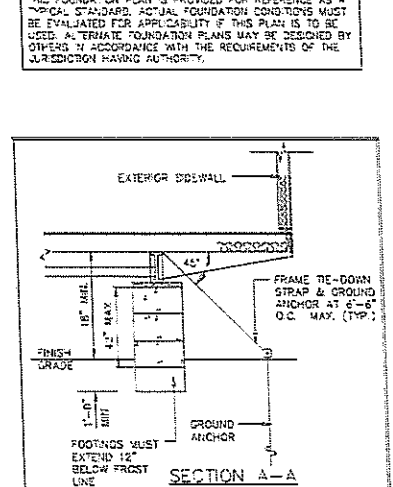
A	B	C
MODULE WIDTH	PER PER TO MODULE EDGE	STEEL BEAM SPACING
15'-6"	34 1/4"	95 1/2"
D	MINIMUM SOIL BEARING CAPACITY	
MAXIMUM PIER SPACING		
4'-10"	2000 PSF	
7'-5"	2000 PSF	



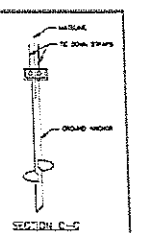
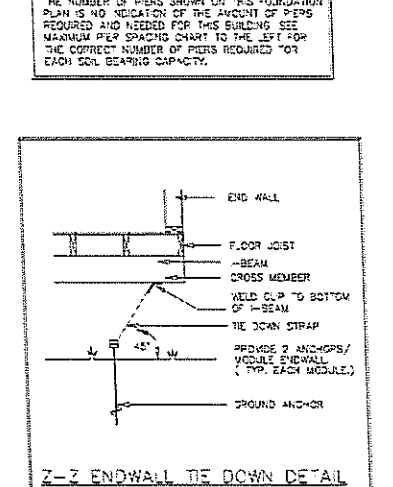
FOUNDATION NOTES:

1. ALL FOUNDATION CONSTRUCTION MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
2. TIE-DOWN STRAPS TO BE 1-1/4\"/>

NOTE:



NOTE:



PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, LICENSE NO. 006686A, EXPIRATION DATE: 06/30/2011.

APPROVED **RADCO** APPROVED
May 01, 2013

MARRIAGE WALL PIER REQUIREMENTS

PIER NUMBER	MINIMUM SOIL BEARING CAPACITY	PIER TYPE	NUMBER OF VERTICAL TIE-DOWN STRAPS PER EACH MODULE
1	2000 PSF	B	1
	2000 PSF	C	1
	2000 PSF	D	1
	2000 PSF	E	1

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

FIRST STRING SPACE
892 RAINBOW AVE. EAST
PEARSON, GEORGIA 31642 (812) 422-6455

DATE: 4-15-13 THIRD PARTY: RADCO
SCALE: NO SCALE 3458 GREENBANK ST
ANAPA, FLORIDA 33624
CODES: SEE NOTES REVISIONS: BY: J.E.B.
STATE: PA, VA, MD REVISIONS: BY: J.E.B.
REFERENCE: MOD-PGD FOUNDATION: WEST CHESTER, PA
FSS2360-64 A-1 125 x 60 MOD-PGD EDUCATION SHEET: 1 OF 1

EXHIBIT – C

Proposed Site Plan

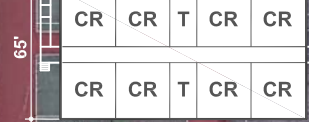
E.S.H. Greene Elementary School

EXISTING PAVED TENNIS COURTS

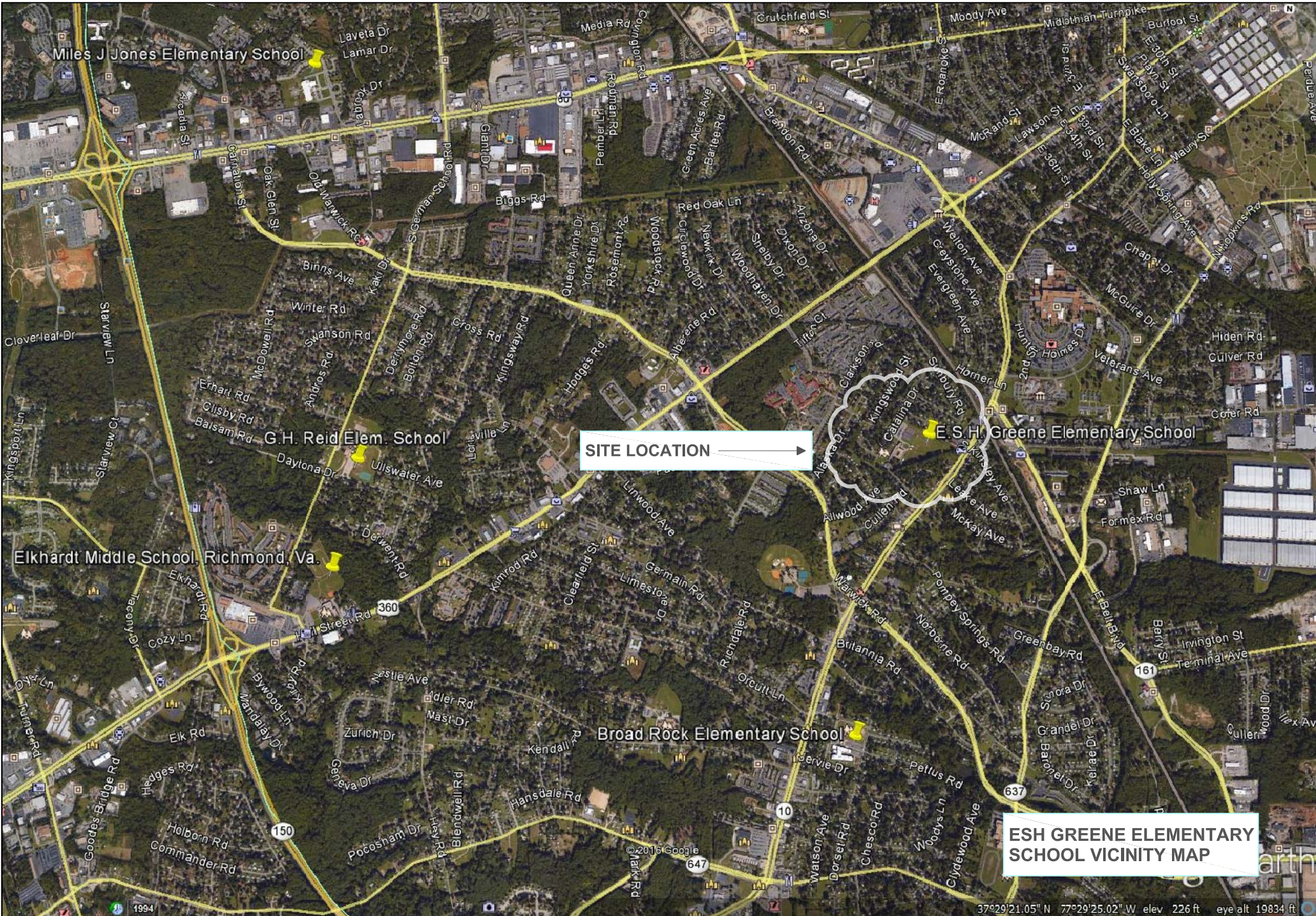
EXISTING CAFETERIA MODULAR

EXISTING (11) CLASSROOM MODULARS

PROPOSED LOCATION OF NEW MODULARS (8) CLASSROOMS



EXISTING PAVED BASKETBALL COURTS



SITE LOCATION →

**ESH GREENE ELEMENTARY
SCHOOL VICINITY MAP**

EXHIBIT – E

Data Sheets

Mobile Modular's

CampusMaker ModPod[®]

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.

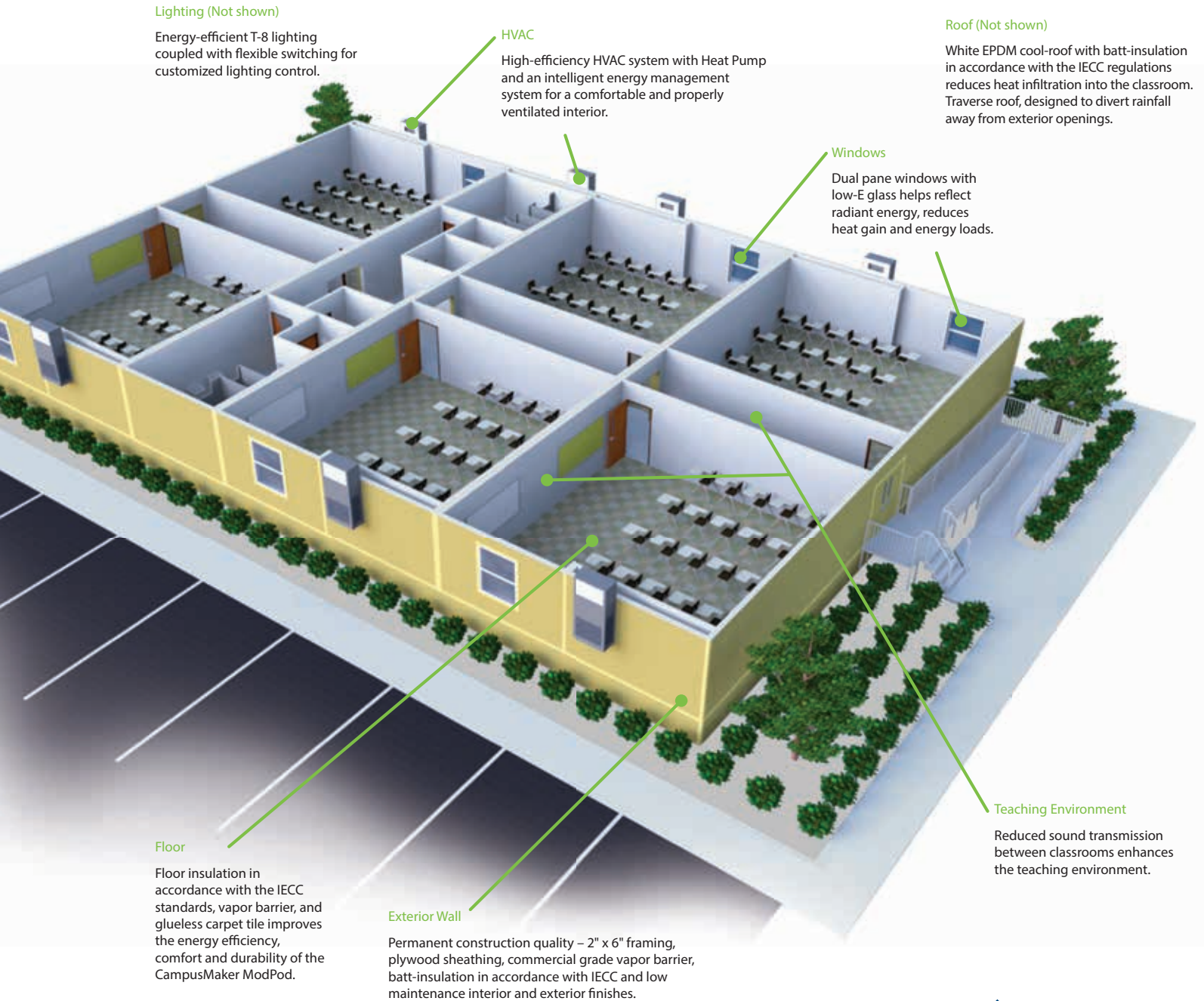
Each CampusMaker ModPod complex is accessed via an internal corridor with steel clad exterior doors, self-closers and panic hardware. To ensure further safety and security, each classroom is accessed through a solid core fire-rated door with a large view block and locking system.

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.

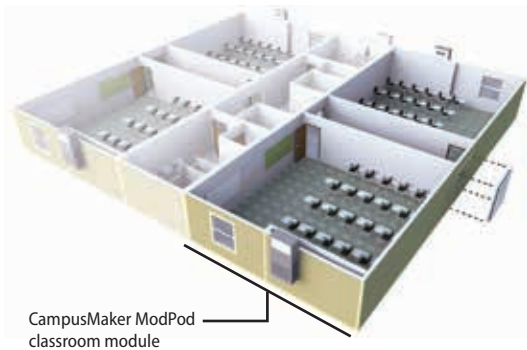
800.944.3442 | www.mobilemodularrents.com

*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.



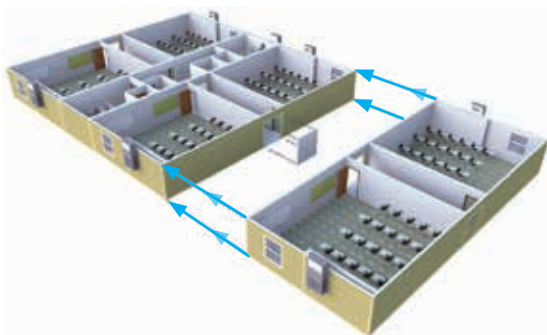
It's as easy as adding and subtracting.
Protected, Flexible and Environmentally Friendly.

Four classroom configuration.



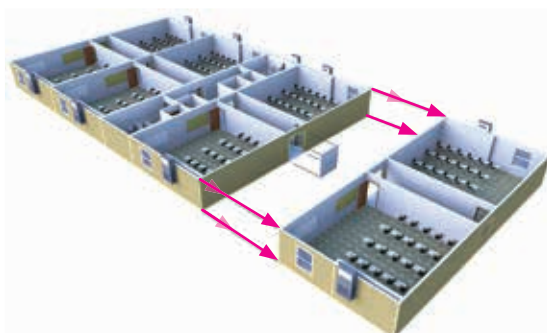
To adjust the size of the CampusMaker ModPod, the two classroom module at either end can be detached and relocated to another site or school. Construction of a new exterior wall is not required as the wall and finishes are already in place. This feature minimizes the down time due to construction and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

CampusMaker ModPod sustainable options include:

- Passive shading devices
- UVC light for HVAC condenser cells
- CO₂ 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





Mobile Modular Management Corporation

Mid Atlantic Regional Office
4301-C Stuart Andrew Blvd.
Charlotte, NC 28217

Georgia Sales Office
Buford, GA

**Maryland - Washington D.C.
& Virginia Sales Office**
Bel Air, MD
Brandywine, MD

North Carolina Sales Office
Charlotte, NC

800.944.3442

www.mobilemodularrents.com

EXHIBIT – F

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	Complete renovation/replacement	55,623	\$10,012,140	limited site/functional obsolescence	\$10,012,140	limited site/functional obsolescence
Bellevue ES	None- newer building	83,251	\$0	1998 construction	\$0	1998 construction
Blackwell ES	None- new building	90,810	\$0	2012 construction	\$0	2012 construction????
Broad Rock ES	Major renovation	100,000	\$13,000,000		\$13,000,000	
Carver, G.W. ES	Minor renovation/addition	46,711	\$2,335,550	Addition needed to meet program req	\$5,179,550	15,800 sf CR addition
Cary, John B. ES	Minor renovation	75,370	\$3,768,500		\$4,668,500	5,000 sf CR addition
Chimborazo ES	Complete renovation/replacement with addition	44,398	\$7,991,640	Addition needed to meet program req	\$11,231,640	18,000 sf CR addition w/ multipurpose
Fairfield Court ES	Minor renovation/addition	44,222	\$2,211,100	Addition needed to meet program req	\$5,451,100	18,000 sf CR addition w/ multipurpose
Fisher, J.B. ES	Major renovation/addition	58,260	\$7,573,800	Addition needed to meet program req	\$8,383,800	4,500 sf multipurpose addition
Fox, William ES	Minor renovation/addition	56,954	\$2,847,700	Addition needed to meet program req	\$4,971,700	11,800 sf addition
Francis, J. L. ES	Major renovation	60,371	\$7,848,230		\$7,848,230	
Ginter Park ES	Complete renovation/replacement with addition	41,490	\$7,468,200	Addition needed to meet program req	\$11,548,200	22,500 sf CR addition w/ multipurpose
Greene, E.S.H. ES	None- newer building	80,548	\$0	1998 construction	\$0	1998 construction
Holton, Linwood ES	None- newer building	80,548	\$0	1999 construction	\$0	1999 construction
Jones, Miles J ES	Complete renovation/replacement	67,048	\$12,068,640		\$13,418,640	7,500 sf CR addition
Mason, George ES	Moderate renovation	64,468	\$5,802,120		\$7,926,120	11,800 sf addition
Munford, Mary ES	None- new building	90,810	\$0	2012 construction	\$0	
Oak Grove ES	Moderate renovation	49,300	\$4,437,000		\$7,677,000	18,000 sf CR addition w/ multipurpose
Overby- Sheppard ES	Moderate renovation/addition	56,671	\$5,100,390	Addition needed to meet program req	\$8,502,390	10,000 sf addition
Redd, E.D. ES	Major renovation/addition	64,964	\$8,445,320	Addition needed to meet program req	\$9,255,320	4,500 sf multipurpose addition
Reid, G.H. ES	Complete renovation/replacement with addition	56,521	\$10,173,780	Addition needed to meet program req	\$11,973,780	10,000 sf CR addition
Southampton ES	Major renovation/addition	44,408	\$5,773,040	Addition needed to meet program req	\$7,033,040	7,000 sf CR addition
Stuart, J.E.B. ES	Complete renovation/replacement with addition	48,183	\$8,672,940	Addition needed to meet program req	\$12,272,940	20,000 sf CR addition
Swansboro ES	Moderate renovation/addition	50,008	\$4,500,720	Addition needed to meet program req	\$7,344,720	15,800 sf CR addition
Westover Hills ES	Complete renovation/replacement	76,928	\$13,847,040		\$13,847,040	
Woodville ES		1,587,865	\$143,877,850		\$181,515,850	
Subtotal ES						
Middle Schools	Complete renovation/replacement	98,013	\$18,622,470	limited site/functional obsolescence	\$18,622,470	limited site/functional obsolescence
Binford MS	Minor renovation	128,530	\$6,426,500		\$6,426,500	
Boushall, T. C. MS	None- newer building	129,775	\$0	1998 Construction	\$0	1998 Construction
Brown, Lucille M. MS	Complete renovation/replacement with addition	91,575	\$17,399,250	Addition needed to meet program req	\$26,899,250	add 50,000 sf
Elkhardt MS	Major renovation	188,131	\$25,397,685		\$25,397,685	
Henderson, T.H. MS	Major renovation	81,152	\$10,955,520	limited site, historic	\$10,955,520	limited site, historic
Hill, A.H. ES	None- new building	147,000	\$0	Recent replacement	\$0	Recent replacement
King Jr., Martin Luther MS	Complete renovation/replacement with addition	108,364	\$20,589,160	Addition needed to meet program req	\$26,289,160	add 30,000 sf
Thompson MS		972,540	\$99,390,585		\$114,590,585	
Subtotal MS						
High Schools	Moderate renovation	237,532	\$23,753,200	Former Kennedy HS	\$23,753,200	Former Kennedy HS
Armstrong HS	New- recent replacement	253,821	\$0		\$0	
Huguonot HS	Major renovation	179,993	\$26,098,985		\$26,098,985	
Jefferson, Thomas HS	Major renovation	230,994	\$33,494,130		\$33,494,130	
Marshall, John HS	Major renovation	243,114	\$35,251,530		\$35,251,530	
Wythe, George HS						