



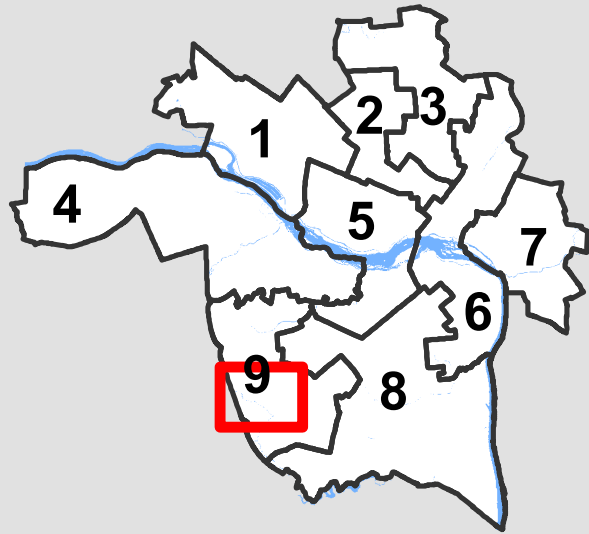
City of Richmond Department of Planning & Development Review

Location, Character, and Extent

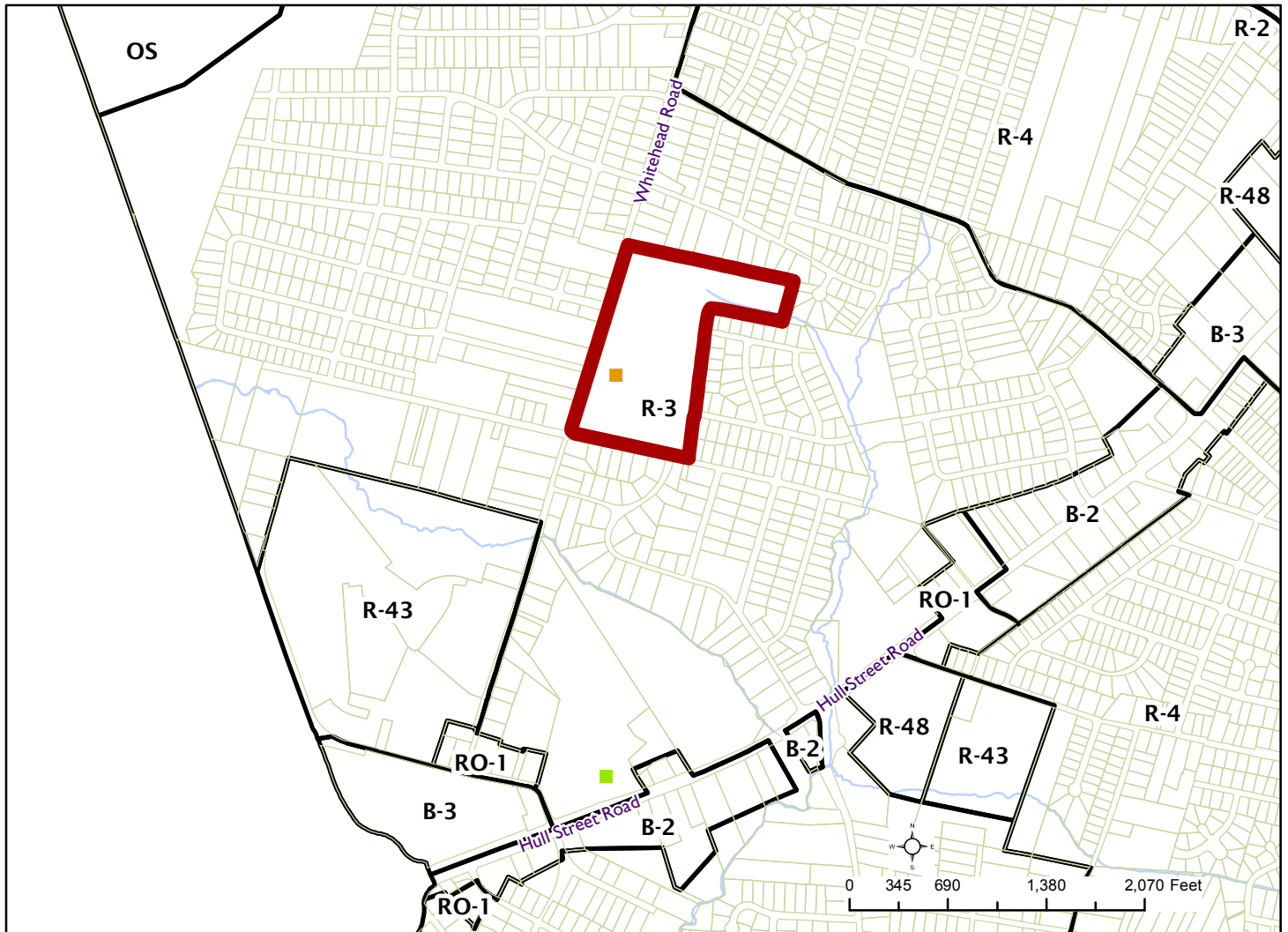
LOCATION: 1301 Whitehead St

COUNCIL DISTRICT: 9

PROPOSAL: Installation of 8 new modular classrooms & restroom facilities



*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: GH Reid Elementary School - Installation of New 8 - Classroom Modular Building w/Restrooms

Project Address: 1301 Whitehead Road, Richmond, Virginia 23225

Brief Project Description (this is not a replacement for the required detailed narrative): The installation of a new (8) classroom building at GH Reid 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

AcDavis5@richmond.k12.va.us

Andrew Davis, Director

URBAN DESIGN COMMITTEE

June 4, 2015

Richmond Public Schools
Reid Elementary School
1301 Whitehead Road
Richmond, VA 23225

Final Review

Narrative:

Reid Elementary School is faced with a significant deficit of classroom space for the upcoming 2016/2017 school year. Reid Elementary School is already over its functional capacity (676 students, including the existing four classroom trailers), with current enrollment of 691 students as shown in the attached Population and Enrollment Forecast (Refer to **EXHIBIT-A**). Continued growth is expected through years 2021-22, levels off in 2022-23. 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 four portable classroom buildings will be removed, and the site will be returned to its natural state. The building will have a covered deck and ADA compliant ramp leading to the main school building. 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 in the rear of the existing main building.

Floor Plans:

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

Landscaping Plan:

Landscaping is not proposed for this project due to the temporary nature of the modular buildings, however, if the UDC requires RPS to include landscaping, 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 Reid 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 \$9,255,320 (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

Francis 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	84	93	97	102	101	101	100	100	99	99	98	97	95	96
1	71	73	89	101	104	105	105	104	104	105	102	101	100	98
2	73	80	81	91	103	106	107	107	106	107	106	105	104	103
3	74	75	68	83	94	105	109	110	110	110	111	110	109	108
4	65	76	79	66	84	95	107	110	111	112	112	113	112	111
5	71	65	68	70	62	79	89	101	103	103	104	106	107	106
Total	438	462	482	513	548	592	617	632	633	636	635	632	627	622
Total: Elementary	438	462	482	513	548	592	617	632	633	636	635	632	627	622
Change		24	20	51	35	44	25	15	1	3	-1	-3	-5	-5
Percent Change		5.46%	4.33%	6.43%	6.82%	8.03%	4.22%	2.43%	0.16%	0.47%	-0.16%	-0.47%	-0.79%	-0.80%

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

George Mason 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	56	101	84	89	88	87	87	86	86	87	86	86	85	86
1	65	53	98	99	96	96	95	95	94	94	93	92	91	90
2	71	70	57	94	95	92	92	91	91	92	92	91	90	89
3	77	71	70	59	95	96	93	93	92	93	94	94	93	92
4	72	77	71	62	56	90	91	88	88	88	89	90	90	89
5	71	67	74	78	63	57	91	92	89	90	90	91	92	92
Total	412	439	454	481	493	518	549	545	540	544	544	544	541	538
Total: Elementary	412	439	454	481	493	518	549	545	540	544	544	544	541	538
Change		27	15	27	12	25	31	-4	-5	4	0	0	3	3
Percent Change		6.55%	3.42%	5.95%	2.49%	5.07%	5.98%	-0.73%	-0.92%	0.74%	0.00%	0.00%	0.55%	0.55%

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

GH Reid 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	125	136	127	131	127	125	129	130	128	128	127	125	124	125
1	94	115	126	132	133	132	133	134	135	133	132	131	129	128
2	88	112	108	125	128	129	128	129	130	152	130	129	128	126
3	87	89	93	94	116	119	120	119	120	122	124	122	121	120
4	79	98	87	88	90	111	114	115	114	116	118	120	118	117
5	84	65	90	93	83	85	104	107	108	108	110	112	114	112
Total	557	615	633	663	677	704	728	734	735	739	741	739	734	728
Total: Elementary	557	615	633	663	677	704	728	734	735	739	741	739	734	728
Change		58	18	30	14	27	24	6	1	4	2	2	5	4
Percent Change		10.41%	2.93%	4.74%	2.11%	3.99%	3.41%	0.82%	0.14%	0.54%	0.27%	0.27%	0.68%	0.82%

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

REID ELEMENTARY





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" DIA. BOLTS AND WELDS. ALL STEEL SHALL BE A36. ALL STEEL SHALL BE PAINTED WITH AN APPROVED RUST PREVENTATIVE AND SHALL BE PROTECTED FROM CORROSION BY AN APPROVED MEANS. ALL STEEL SHALL BE PROTECTED FROM CORROSION BY AN APPROVED MEANS. ALL STEEL SHALL BE PROTECTED FROM CORROSION BY AN APPROVED MEANS.
5. IN WIND-BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT GLAZING MEETING THE REQUIREMENTS OF AN APPROVED IMPACT RESISTANT STANDARD OF ASTM DIV. 119. WIND-BORNE DEBRIS REGIONS ARE DESIGNATED IN SECTION 705.1 OF THE IBC.
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PLUMBING NOTES:

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ELECTRICAL NOTES:

1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROVED APPROVALS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL APPLICABLE CODES. ALL ELECTRICAL SYSTEMS SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROVED APPROVALS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL APPLICABLE CODES.
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7. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROVED APPROVALS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL APPLICABLE CODES. ALL ELECTRICAL SYSTEMS SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROVED APPROVALS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL APPLICABLE CODES.
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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).
4. 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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7. ALL SUPPLY AIR REGISTERS SHALL BE 16 INCHES x 16 INCHES ADJUSTABLE WITH 10 ROUNDS x 20 INCHES (SHOULD OVERHEAD FEEDBACK).
8. ALL SUPPLY AIR REGISTERS SHALL BE 16 INCHES x 16 INCHES ADJUSTABLE WITH 10 ROUNDS x 20 INCHES (SHOULD OVERHEAD FEEDBACK).
9. ALL SUPPLY AIR REGISTERS SHALL BE 16 INCHES x 16 INCHES ADJUSTABLE WITH 10 ROUNDS x 20 INCHES (SHOULD OVERHEAD FEEDBACK).
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.

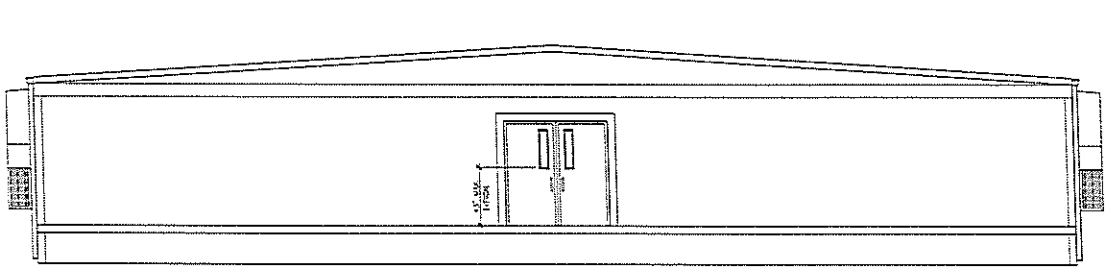
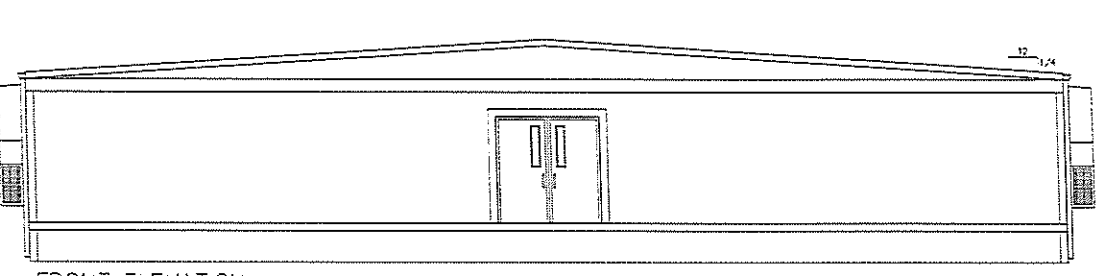
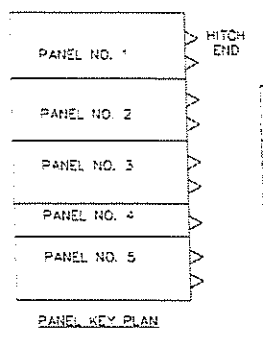
SYMBOLS

STRUCTURAL LOAD LIMITATIONS - ALL OTHER STATES

STRUCTURAL LOAD LIMITATIONS - MARYLAND ONLY

ACCESSIBILITY NOTES:

THE INTERNATIONAL CODE OF ACCESSIBILITY (ICC) SHALL BE DEEMED TO BE APPLIED AT ALL ACCESSIBLE AREAS UNLESS OTHERWISE SPECIFIED. ACCESSIBLE EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE ICC. ACCESSIBLE EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE ICC.



PANEL NO. 1

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE	TYPE
1.1	120V 15A	15	120	1	15
1.2	120V 20A	20	120	1	20
1.3	120V 25A	25	120	1	25
1.4	120V 30A	30	120	1	30

ELECTRICAL PANEL SIZING

GENERAL LIGHTING: 100 VA

RECORDING EQUIPMENT: 100 VA

TELEPHONE EQUIPMENT: 100 VA

TELEVISION EQUIPMENT: 100 VA

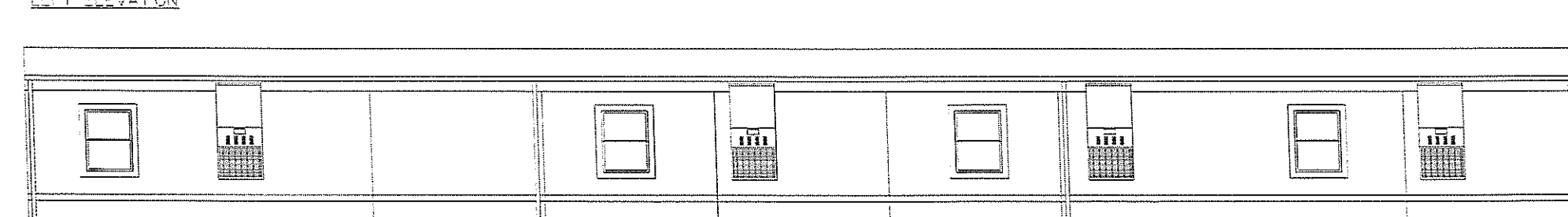
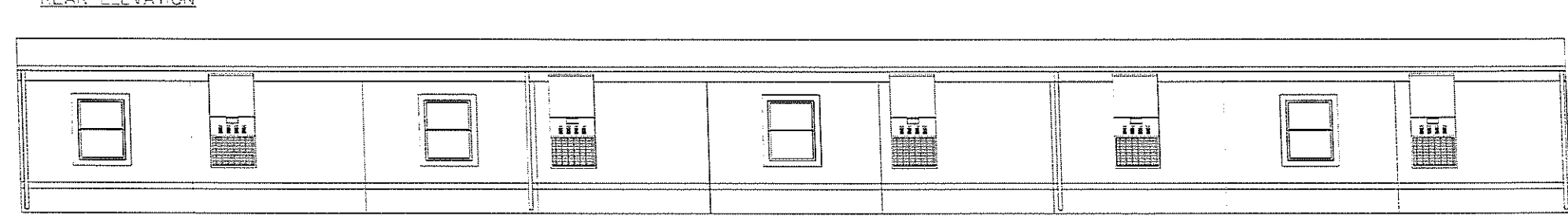
VIDEO EQUIPMENT: 100 VA

COMPUTER EQUIPMENT: 100 VA

PERIPHERAL EQUIPMENT: 100 VA

OTHER EQUIPMENT: 100 VA

TOTAL: 200 VA



PANEL NO. 2

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE	TYPE
2.1	120V 15A	15	120	1	15
2.2	120V 20A	20	120	1	20
2.3	120V 25A	25	120	1	25
2.4	120V 30A	30	120	1	30

ELECTRICAL PANEL SIZING

GENERAL LIGHTING: 100 VA

RECORDING EQUIPMENT: 100 VA

TELEPHONE EQUIPMENT: 100 VA

TELEVISION EQUIPMENT: 100 VA

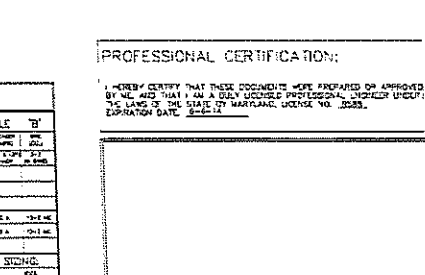
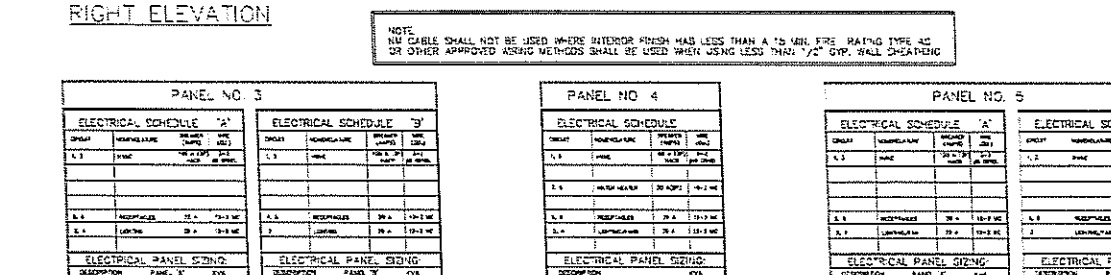
VIDEO EQUIPMENT: 100 VA

COMPUTER EQUIPMENT: 100 VA

PERIPHERAL EQUIPMENT: 100 VA

OTHER EQUIPMENT: 100 VA

TOTAL: 200 VA



ATTENTION LOCAL INSPECTIONS DEPARTMENT

SITE INSTALLED ITEMS

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

1. THE COMPLETE FOUNDATION SUPPORT AND THE DOWN SYSTEM.
2. FRAME, STAIRS AND GENERAL ACCESS TO THE BUILDING.
3. PORTABLE FIRE EXTINGUISHERS.
4. FIRE ALARMS, SMOKE DETECTORS AND SMOKE EXHAUST SYSTEMS.
5. ELECTRICAL SERVICE WORK (INCLUDING FEEDERS) 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 TO THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. THE BUILDING SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL CODES AND REGULATIONS.
11. THE BUILDING SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL CODES AND REGULATIONS.
12. THE BUILDING SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL CODES AND REGULATIONS.

MARYLAND NOTES:

1. REFER TO STATE PARALLEL CODES FOR REQUIRED PROTECTION OF EXPOSED STEEL.
2. THE FOLLOWING NOTES SHALL BE ON THE BLUE PRINTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF ALL ITEMS LISTED BELOW.

ELEVATION NOTES - TYPICAL

FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET AREA PER SQUARE FOOT OF FLOOR AREA AND AN 18" x 24" MINIMUM CLEARANCE. SEE ATTACHED ENERGY CALCULATIONS.

ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE TO BE INSTALLED IN ACCORDANCE WITH THE ICC. ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE TO BE INSTALLED IN ACCORDANCE WITH THE ICC.

DOORS SHALL BE SELF-CLOSING TYPE.

A TYPICAL DOOR SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.

BUILDING DESIGN PARAMETERS

PARAMETER	VALUE
1. USE/OCCUPANCY	EDUCATION
2. CONSTRUCTION TYPE	III
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 ICC NET SF/PERSON)	150
9. EXTERIOR WALL FIRE RATING	NOI RATED
10. THIS BUILDING MUST BE INSTALLED WITH THE FIRE STAIRS AND ESCAPE ROUTES REQUIRED BY IBC TABLE 602 AND SECTION 705.3.	
11. ENERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.	
12. MANUFACTURER'S DATA PLATE, STATE LABELS AND ACCESSIBLE LABELS TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.	

PANEL NO. 5

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE	TYPE
5.1	120V 15A	15	120	1	15
5.2	120V 20A	20	120	1	20
5.3	120V 25A	25	120	1	25
5.4	120V 30A	30	120	1	30

ELECTRICAL PANEL SIZING

GENERAL LIGHTING: 100 VA

RECORDING EQUIPMENT: 100 VA

TELEPHONE EQUIPMENT: 100 VA

TELEVISION EQUIPMENT: 100 VA

VIDEO EQUIPMENT: 100 VA

COMPUTER EQUIPMENT: 100 VA

PERIPHERAL EQUIPMENT: 100 VA

OTHER EQUIPMENT: 100 VA

TOTAL: 200 VA

PANEL NO. 3

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE	TYPE
3.1	120V 15A	15	120	1	15
3.2	120V 20A	20	120	1	20
3.3	120V 25A	25	120	1	25
3.4	120V 30A	30	120	1	30

ELECTRICAL PANEL SIZING

GENERAL LIGHTING: 100 VA

RECORDING EQUIPMENT: 100 VA

TELEPHONE EQUIPMENT: 100 VA

TELEVISION EQUIPMENT: 100 VA

VIDEO EQUIPMENT: 100 VA

COMPUTER EQUIPMENT: 100 VA

PERIPHERAL EQUIPMENT: 100 VA

OTHER EQUIPMENT: 100 VA

TOTAL: 200 VA

PANEL NO. 4

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE	TYPE
4.1	120V 15A	15	120	1	15
4.2	120V 20A	20	120	1	20
4.3	120V 25A	25	120	1	25
4.4	120V 30A	30	120	1	30

ELECTRICAL PANEL SIZING

GENERAL LIGHTING: 100 VA

RECORDING EQUIPMENT: 100 VA

TELEPHONE EQUIPMENT: 100 VA

TELEVISION EQUIPMENT: 100 VA

VIDEO EQUIPMENT: 100 VA

COMPUTER EQUIPMENT: 100 VA

PERIPHERAL EQUIPMENT: 100 VA

OTHER EQUIPMENT: 100 VA

TOTAL: 200 VA

PANEL NO. 5

ELECTRICAL SCHEDULE 'A'

NO.	DESCRIPTION	AMPS	VOLTS	PHASE	TYPE
5.1	120V 15A	15	120	1	15
5.2	120V 20A	20	120	1	20
5.3	120V 25A	25	120	1	25
5.4	120V 30A	30	120	1	30

ELECTRICAL PANEL SIZING

GENERAL LIGHTING: 100 VA

RECORDING EQUIPMENT: 100 VA

TELEPHONE EQUIPMENT: 100 VA

TELEVISION EQUIPMENT: 100 VA

VIDEO EQUIPMENT: 100 VA

COMPUTER EQUIPMENT: 100 VA

PERIPHERAL EQUIPMENT: 100 VA

OTHER EQUIPMENT: 100 VA

TOTAL: 200 VA

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: 06/30/13.

APPROVED: **JAMES E. BRADLEY**, P.E. (Professional Engineer Seal)

APPROVED: **JAMES E. BRADLEY**, P.E. (Professional Engineer Seal)

APPROVED: **JAMES E. BRADLEY**, P.E. (Professional Engineer Seal)

APPROVED: **JAMES E. BRADLEY**, P.E. (Professional Engineer Seal)

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILITY	ENERGY CODE
MARYLAND	2012 IBC	2011 NEC	2012 IMC	2012 IPC	ICC/ANSI 117.1-03	2012 EEC
VIRGINIA	2009 IBC	2008 NEC	2009 IMC	2009 IPC	ICC/ANSI 117.1-03	2009 EEC
PA	2009 IBC	2008 NEC	2009 IMC	2009 IPC	ICC/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
SHEET: 1 OF 3

PROJECT: FSS2360-64 A-1 126 x 60
MOD-POD EDUCATION
COVER SHEET DESTINATION: WEST CHESTER, PA

CONSULTING ENGINEER: JAMES BRADLEY, P.E. - 272 FOX TRAIL - PARRISBURG, PA 19385 - (610) 657-2458

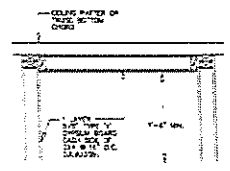
THIRD PART: RADCO
3456 CRESHAW ST.
TAMPA, FLORIDA 33634
813-243-3370

DESIGNER: J.B.
CHECKER: J.B.

REINFORCING OF THE RESISTANT WALLS AND CEILING

- CONCRETE WALLS AND CEILING REINFORCING SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE FULL DESIGN LOADS AND TO BE REINFORCED TO A MINIMUM OF 1% 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.

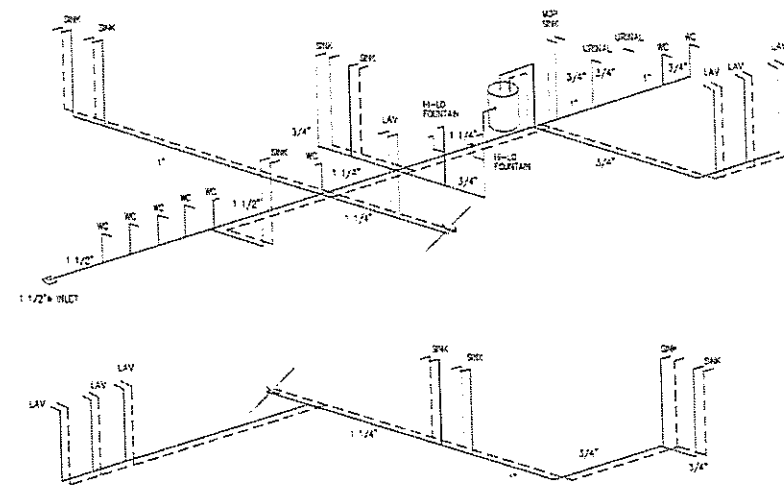
WOOD STUD WALLS - 1" DIA PER 16" ON CENTER - 1" LAYER SHT 10" X 10" ON EACH SIDE OF WALL



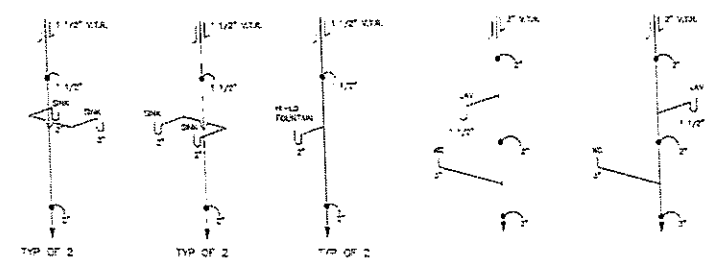
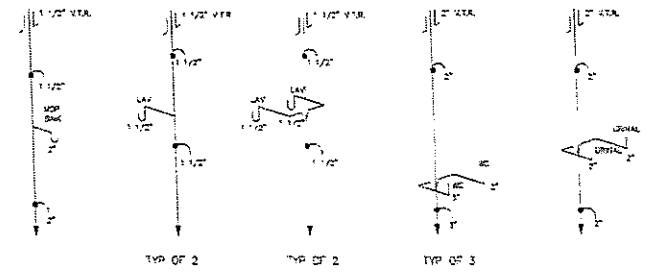
ONE-COUR CONSTRUCTION

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.

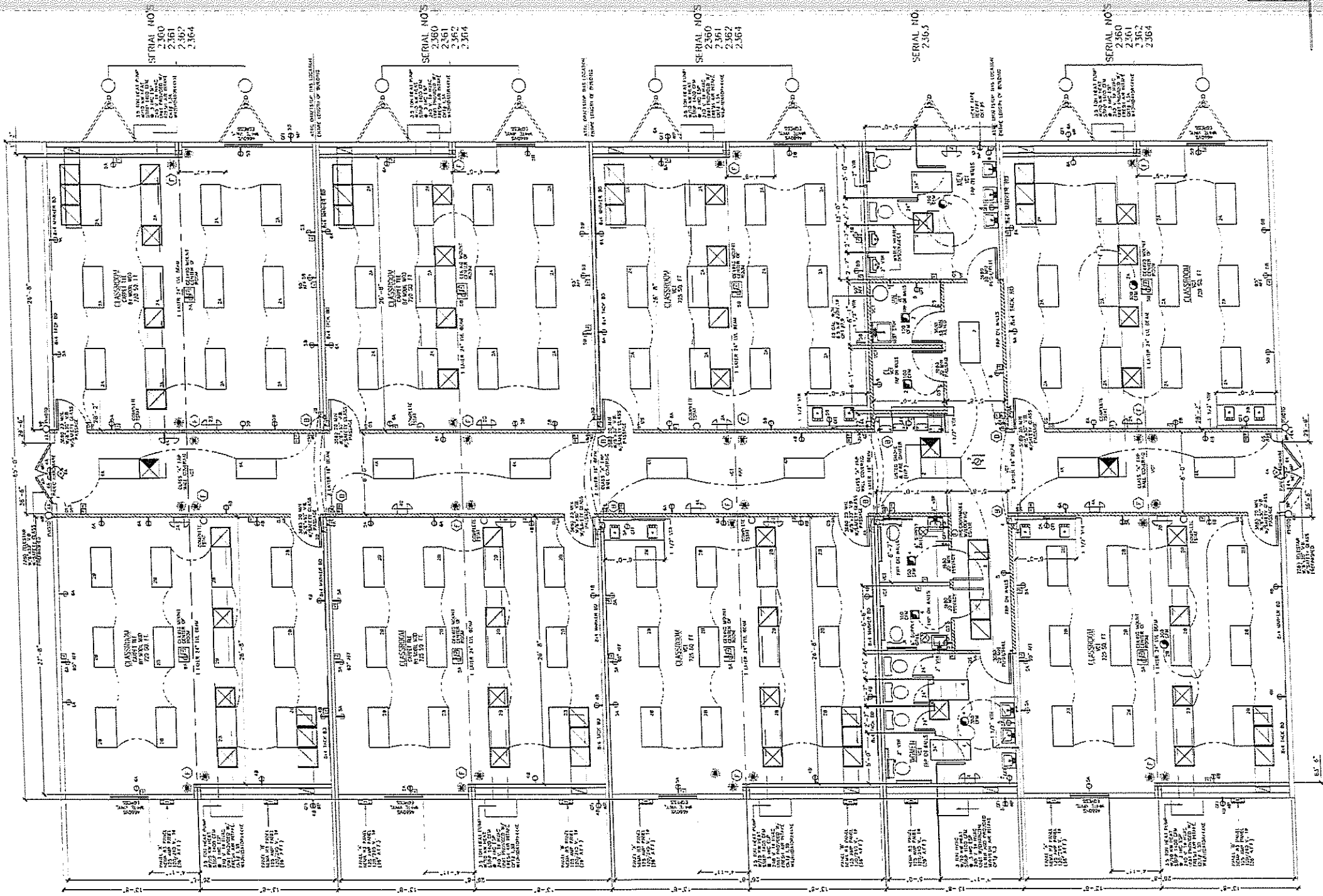
ALL SUPPLY LINES SHALL BE 3/4" ALL STUD-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.



SUPPLY RISER -NTS-



DWV RISER -NTS-

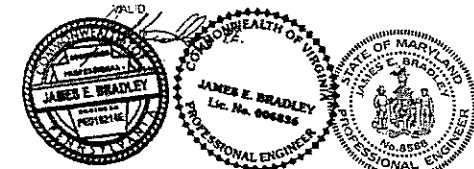


COLUMN STRAPPING SCHEDULE:

(1) 2# 24 EPF @ 1/2 S-HALF	(2) 2# 24 EPF @ 2 EACH HALF
(3) 2# 24 EPF @ 1/2 S-HALF	(3) 2# 24 EPF @ 2 EACH HALF
(4) 2# 24 EPF @ 1/2 S-HALF	(4) 2# 24 EPF @ 2 EACH HALF
(5) 2# 24 EPF @ 1/2 S-HALF	(5) 2# 24 EPF @ 2 EACH HALF

NOTES:
 1. ALL COLUMN STUDS SHALL BE CLAMPED TOGETHER.
 2. ALL CLAMP 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 NUMBER: 124174, EXPIRATION DATE: 12/31/13.



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

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

DATE: 4-8-13
 SCALE: 3/16"=1'-0"
 CODES: SEE NOTES
 STATES: PA, VA, MD
 REVISIONS: MCD-POD
 REFERENCE: FSS2360-64 A-1 126 x 60 MOD-POD EDUCATION
 SHEET: 2 OF 3

FIRST STRING SPACE INC.
 OUR STRENGTH IS TEAMWORK

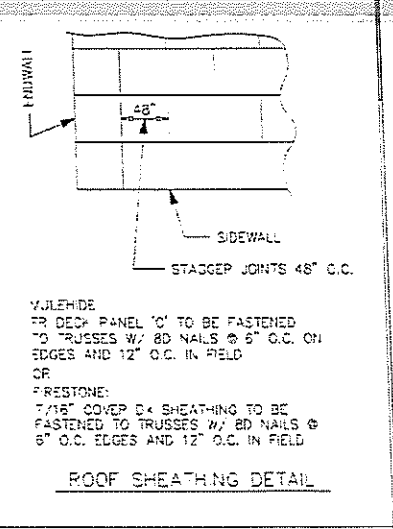
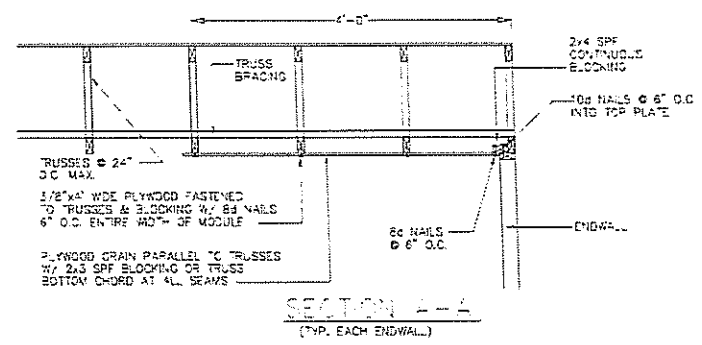
APPROVED
 May 01, 2013
 APPROVED
 RADCO

EXTERIOR FINISH MATERIAL:

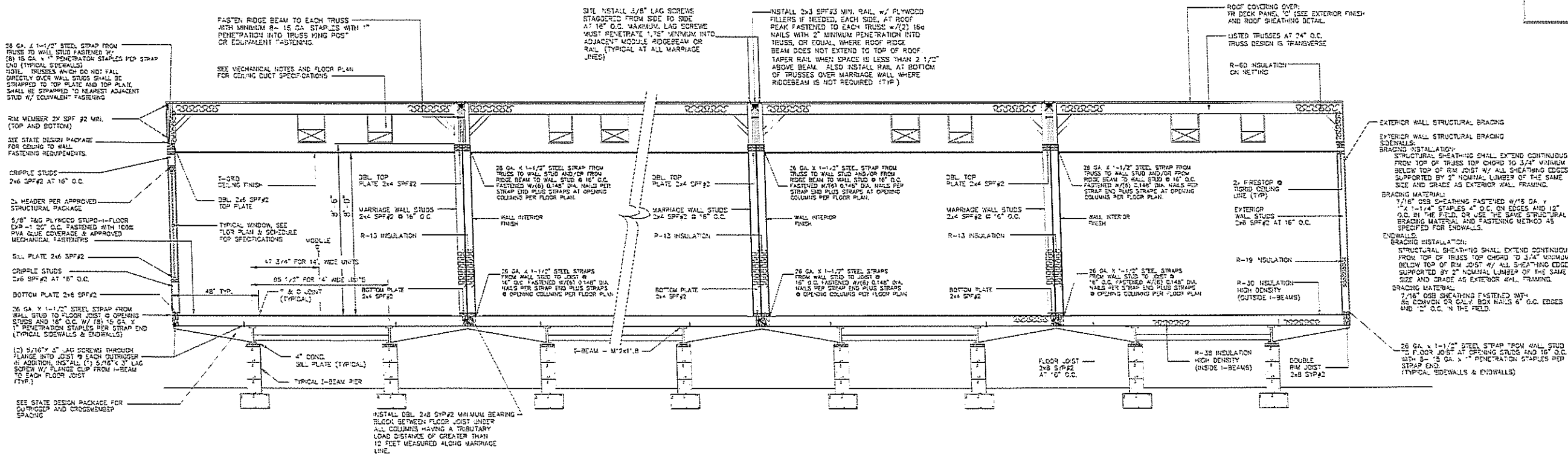
- ROOF - MULE-HIDE 48 MIL (WHITE) EPDM FULLY ADHERED IN ACCORDANCE WITH ESP-1776 OVER 7/16" MULE-HIDE FR DECK PANEL 'C' INSTALLED PER MANUFACTURERS SPECIFICATIONS.
- OR
- ROOF - FIRESTONE 48 MIL (WHITE) EPDM FULLY ADHERED OVER 7/16" FIRESTONE COVER D7 INSTALLED PER MANUFACTURERS SPECIFICATIONS.
- WALL - 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.



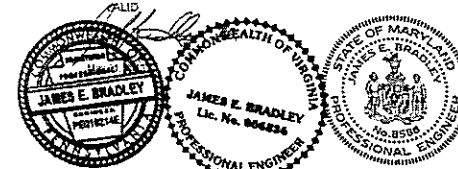
MICROLAM BEAM CONSTRUCTION
 1 LAYER(S) 1/2" x 2" MICROLAM, EACH MODULE.

NOTES:
 1. MICROLAM F = 2750 PSI
 2. MICROLAM MUST BE CONTINUOUS OVER CLEARANCES.
 3. BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS 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 8-16 GA. STAPLES WITH 3/4" MINIMUM PENETRATION INTO MICROLAM BEAM.
 6. 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 GROUND UNLESS 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.
 DATE: 4-15-13



CONSULTING ENGINEER JAMES BRADLEY, P.E. - 212 FOX TRAIL - PARVESBURG, PA. 19365 - (610) 657-2458

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

DATE: 4-15-13
 SCALE: NO SCALE
 CODES: SEE NOTES
 STATES: PA, VA, MD, DEVISIONS
 REFERENCE: MCD-POD

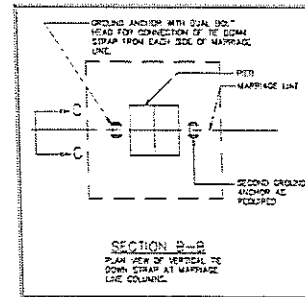
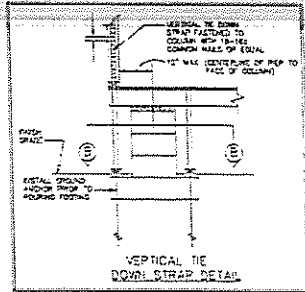
THIRD PARTY: RABCO
 3456 CRENSHAW ST.
 TAMPA, FLORIDA 33624
 813-243-0370

BY: J.E.
 5-01

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 MCD-POD EDUCATION

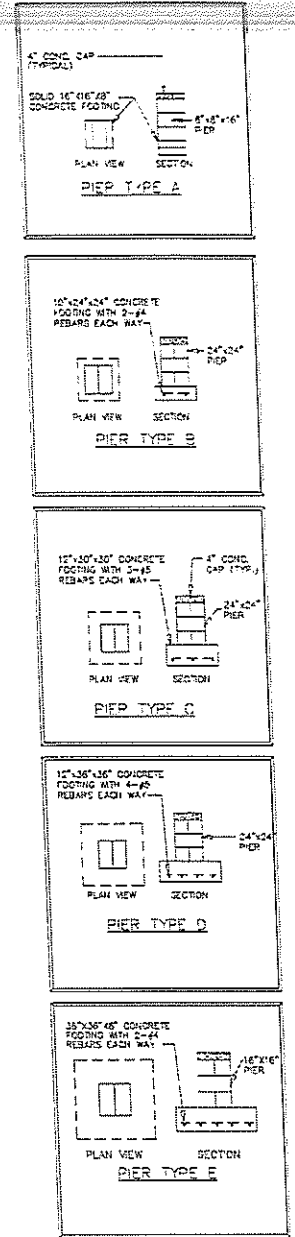
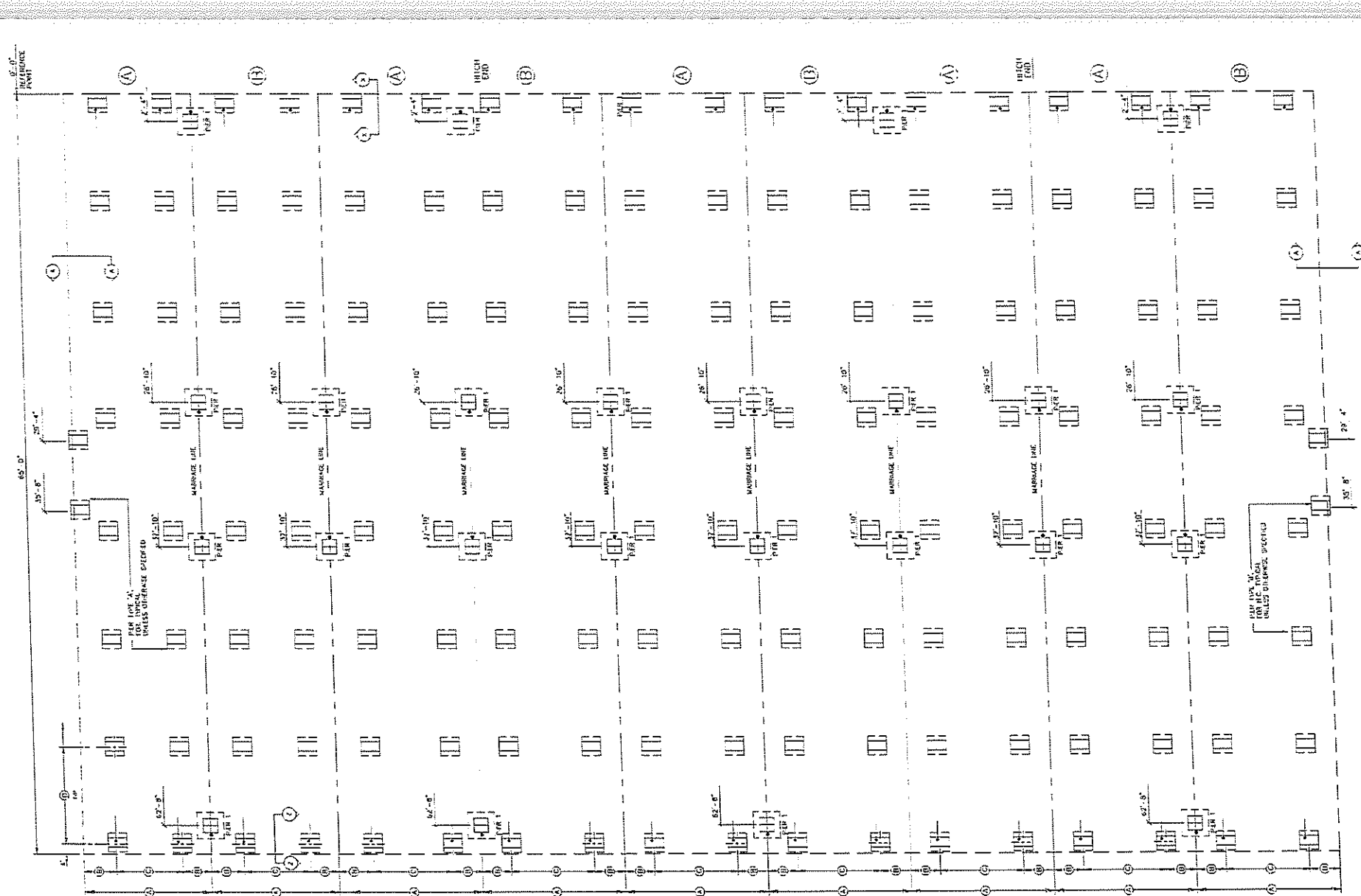
CROSS SECTION
 REVISION: WEST CHESTER, PA.
 3 OF 3

FIRST STRING SPACE INC.
 OUR STRENGTH IS TEAMWORK



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	

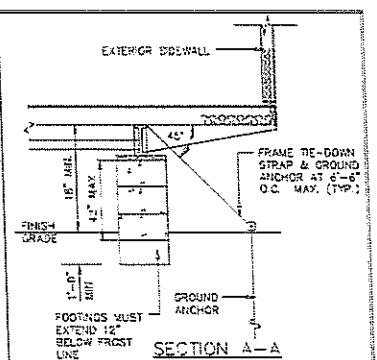


FOUNDATION NOTES:

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" x 3/16" x 18" x 18" FROM 1/2" GRADE 60 STEEL CORNER SHAPES CONTROLLED BY A PROFESSIONAL ENGINEER AS COORDINATING WITH ASTM D433-81. TIE-DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 33000 MINIMUM WORKING CAPACITY.
3. EACH GROUND ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE REM OF THE REQUIRED WORKING CAPACITY OF ALL TIE-DOWN STRAPS CONNECTED TO THE GROUND ANCHOR AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHORS INCLUDING SHIELD LENGTH, NUMBER AND DIAMETER OF REINFORCING TO BE AS SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE WORKING OR PULLOUT CAPACITY OF GROUND ANCHORS ARE BELOW THE REQUIRED DESIGN VALUES, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORAGE DESIGN.
4. THE FIRST TIE-DOWN STRAP FROM EXTERIORS SHALL NOT EXCEED 12 INCHES.
5. ALL PIERS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE Laid IN THE N OR S MORTAR OR COVERED WITH SURFACE FINISHING ELEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE AS DESCRIBED ABOVE.
6. MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 2500 PSI AT 28 DAYS.
7. ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A618, GRADE 60. REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 2" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING.
8. SEE SHEET 1 OF 3 FOR BUILDING DESIGN LOADS.
9. I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY 150 FROM THE CENTERLINE OF THE BEAM ON THE FOUNDATION PLAN. CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
10. 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 REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANDING SOIL ONLY.
11. INSTALL BARS PER ON EACH SIDE OF ALL EXTERIOR DOOR SPOUNGES. MANUFACTURER'S RECOMMENDATION ONLY. OPTIONAL WHEN NOT SHOWN. SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE PROPERITY AFTER INSTALLATION OF DOORS & COMPLETION.
12. THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STRAPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.
13. IF THE FOUNDATION DIMENSIONS OBTAIN THE NORMAL AND INCREASE IN MODULAR WIDTH SHOULD BE EXPANDED OUT TO NORMAL EXPANSION SETTING IDENTIFIED BY THE FOUNDATION CONTRACTOR SHOULD COORDINATE WITH THE MANUFACTURER OF THE MODULES PRIOR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE AMOUNT OF INCREASED WIDTH TO BE ADDED TO THE NOMINAL DIMENSIONS SHOWN ABOVE.

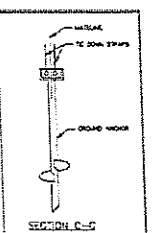
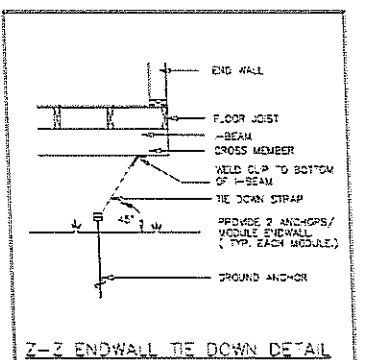
NOTE:

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. A TYPICAL FOUNDATION PLANS MAY BE DESIGNED BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY.



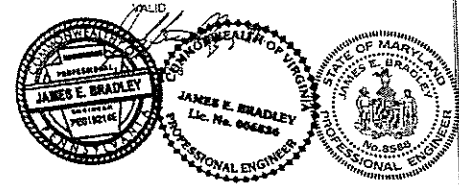
NOTE:

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.



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
MAY 01, 2013
APPROVED

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
SCALE: NO SCALE
CODES: SEE NOTES
STATE: PA, VA, MD
REFERENCE: MOD-PGD

THIRD PARTY: RADCO
3458 GREENBANK ST
ANNA, FLORIDA 33624
813-243-0370

FOUNDAION: MOD-PGD EDUCATION
DESTINATION: WEST CHESTER, PA

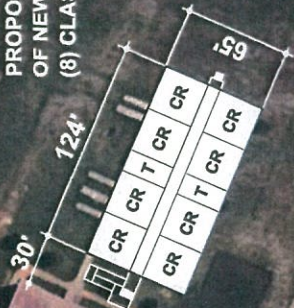
1 OF 1

EXHIBIT – C

Proposed Site Plan

**GH REID ELEMENTARY
SCHOOL SITE PLAN**

**PROPOSED LOCATION
OF NEW MODULARS
(8) CLASSROOMS**



G.H. Reid Elem. School



**GH REID ELEMENTARY
SCHOOL VICINITY MAP**

SITE LOCATION →

1301 Whitehead Rd
G.H. Reid Elem School

37°29'01.64" N, 77°30'32.75" W, elev. 261 ft, eye alt. 2835 ft

1994

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

Lighting (Not shown)

Energy-efficient T-8 lighting coupled with flexible switching for customized lighting control.

HVAC

High-efficiency HVAC system with Heat Pump and an intelligent energy management system for a comfortable and properly ventilated interior.

Roof (Not shown)

White EPDM cool-roof with batt-insulation in accordance with the IECC regulations reduces heat infiltration into the classroom. Traverse roof, designed to divert rainfall away from exterior openings.

Windows

Dual pane windows with low-E glass helps reflect radiant energy, reduces heat gain and energy loads.

Floor

Floor insulation in accordance with the IECC standards, vapor barrier, and glueless carpet tile improves the energy efficiency, comfort and durability of the CampusMaker ModPod.

Exterior Wall

Permanent construction quality – 2" x 6" framing, plywood sheathing, commercial grade vapor barrier, batt-insulation in accordance with IECC and low maintenance interior and exterior finishes.

Teaching Environment

Reduced sound transmission between classrooms enhances the teaching environment.

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.

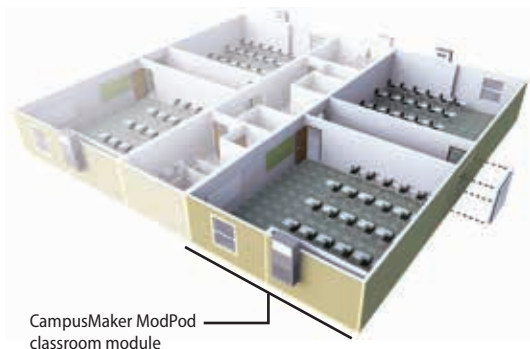
800.944.3442 | www.mobilemodularrents.com

*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.



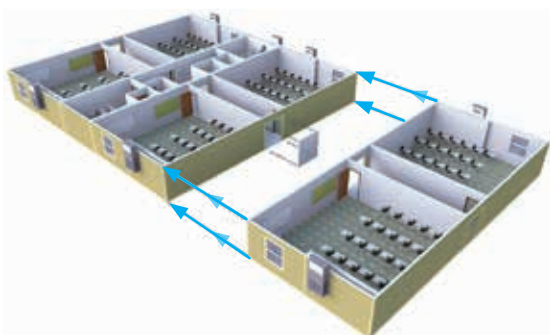
It's as easy as adding and subtracting.
Protected, Flexible and Environmentally Friendly.

Four classroom configuration.



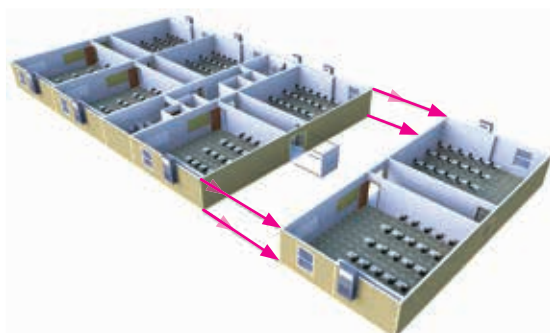
To adjust the size of the CampusMaker ModPod, the two classroom module at either end can be detached and relocated to another site or school. Construction of a new exterior wall is not required as the wall and finishes are already in place. This feature minimizes the down time due to construction and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

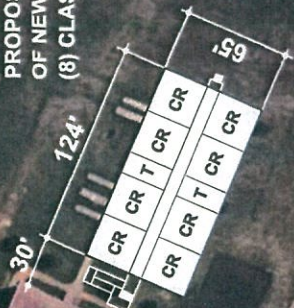
Richmond Public School Buildings	Type of Project	Existing SF	2015 Costs	Comments	2015 Costs (650 Basis)	Comments
Elementary Schools	Complete renovation/replacement	55,623	\$10,012,140	limited site/functional obsolescence	\$10,012,140	limited site/functional obsolescence
Bellevue ES	None- newer building	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	\$2,395,550	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	Minor renovation	44,398	\$7,991,640	Addition needed to meet program req	\$11,231,640	18,000 sf CR addition w/ multipurpose
Fairfield Court ES	Complete renovation/replacement with 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	Minor renovation/addition	58,260	\$7,573,800	Addition needed to meet program req	\$8,383,800	4,500 sf multipurpose addition
Fox, William ES	Major renovation/addition	56,954	\$2,847,700	Addition needed to meet program req	\$4,971,700	11,800 sf addition
Francis, J. L. ES	Minor renovation/addition	60,371	\$7,848,230		\$7,848,230	
Ginter Park ES	Major renovation	41,490	\$7,468,200	Addition needed to meet program req	\$11,518,200	22,500 sf CR addition w/ multipurpose
Greene, E.S.H. ES	Complete renovation/replacement with addition	80,548	\$0	1998 construction	\$0	1998 construction
Holton, Linwood ES	None- newer building	80,548	\$0	1999 construction	\$13,418,640	7,500 sf CR addition
Jones, Miles J ES	None- newer building	67,048	\$12,068,640		\$7,926,120	11,800 sf addition
Mason, George ES	Complete renovation/replacement	64,468	\$5,802,120		\$0	
Munford, Mary ES	Moderate renovation	90,810	\$0	2012 construction	\$0	
Oak Grove ES	None- new building	49,300	\$4,437,000		\$7,677,000	18,000 sf CR addition w/ multipurpose
Overby- Sheppard ES	Moderate renovation	56,671	\$5,100,390	Addition needed to meet program req	\$8,502,390	10,000 sf addition
Redd, E.D. ES	Moderate 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	Major renovation/addition	56,531	\$10,175,780	Addition needed to meet program req	\$11,973,780	10,000 sf CR addition
Southampton ES	Complete renovation/replacement with addition	44,408	\$5,779,040	Addition needed to meet program req	\$7,033,040	7,000 sf CR addition
Stuart, J.E.B. ES	Major renovation/addition	48,183	\$8,672,940	Addition needed to meet program req	\$12,272,940	20,000 sf CR addition
Swansboro ES	Complete renovation/replacement with addition	50,008	\$4,500,720	Addition needed to meet program req	\$7,344,720	15,800 sf CR addition
Westover Hills ES	Moderate renovation/addition	76,928	\$13,847,040	Addition needed to meet program req	\$13,847,040	
Woodville ES	Complete renovation/replacement	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
Bimford 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	Major renovation	147,000	\$0	Recent replacement	\$0	Recent replacement
King Jr., Martin Luther MS	None- new building	108,364	\$20,589,160	Addition needed to meet program req	\$26,289,160	add 30,000 sf
Thompson MS	Complete renovation/replacement with addition	972,540	\$89,390,585		\$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	
Huguenot 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	Major renovation					

EXHIBIT – C

Proposed Site Plan

**GH REID ELEMENTARY
SCHOOL SITE PLAN**

PROPOSED LOCATION
OF NEW MODULARS
(8) CLASSROOMS



G.H. Reid Elem. School



SITE LOCATION →

1301 Whitehead Rd
G.H. Reid Elem. School

**GH REID ELEMENTARY
SCHOOL VICINITY MAP**

37°29'03.94" N 77°30'32.75" W elev. 261 ft eye alt. 76.25 ft

1994

EXHIBIT – D

Proposed Landscaping Plan

EXHIBIT – E

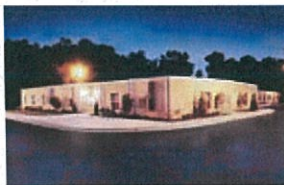
Data Sheets

PORTABLE CLASSROOMS | RESTROOM BUILDINGS | PORTABLE BUILDINGS | MODULAR BUILDINGS

Mobile Modular's

CampusMaker ModPod®

The Flexible Solution for Sustainable Learning Spaces



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



Let us take care of all of your space needs.

Mobile Modular's CampusMaker ModPod® Complex

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HVAC

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- Automated faucet
- Automated paper towel dispenser
- Automated hand soap dispenser



EXHIBIT – F

RPS 2016 Facility Update Cost Estimate 4-12-16

RPS - Facility Report
Review of Building Construction Costs

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Reed, E.D. ES	Moderate renovation/addition	64,964	\$8,445,320	Addition needed to meet program req	\$11,973,780	10,000 sf CR addition
Reid, G.H. ES	Major renovation/addition	56,533	\$10,175,780	Addition needed to meet program req	\$7,033,040	7,000 sf CR addition
Southampton ES	Complete renovation/replacement with addition	44,408	\$5,793,040	Addition needed to meet program req	\$12,272,940	20,000 sf CR addition
Stuart, J.E.B. ES	Major renovation/addition	48,183	\$8,672,940	Addition needed to meet program req	\$7,344,720	15,800 sf CR addition
Swansboro ES	Complete renovation/replacement with addition	50,008	\$4,500,720	Addition needed to meet program req	\$13,847,040	
Westover Hills ES	Moderate renovation/addition	76,928	\$13,847,040		\$181,515,850	
Woodville ES	Complete renovation/replacement	1,587,865	\$143,877,850			
Subtotal ES						
Middle Schools	Complete renovation/replacement	98,013	\$18,622,470	limited site/functional obsolescence	\$18,622,470	limited site/functional obsolescence
Blmford 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	Major renovation	147,000	\$0	Recent replacement	\$0	Recent replacement
King Jr., Martin Luther MS	None- new building	108,364	\$20,589,160	Addition needed to meet program req	\$26,289,160	add 30,000 sf
Thompson MS	Complete renovation/replacement with addition	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	
Huguenot 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	Major renovation					