

# RFQ Response

---



Presented on: June 24, 2015

Between the Owner: Washington Parish School System Office  
Attn: Mr. William Brignac  
800 Main Street  
Franklinton, Louisiana 70438

And the Contractor: Aries Buildings Systems  
Contact: Bryan Wilkerson  
p. 713-408-2757  
e. [bwilkerson@ariesbuildings.com](mailto:bwilkerson@ariesbuildings.com)

For the Project: **Purchase of New Modular Classroom Building**

Thank you for considering ARIES as part of your solution! ARIES is a leading provider of factory construction, creating exceptional space solutions to meet the expansion needs of clients in a diverse group of industries, including: energy, development, education, healthcare, corporate, retail/hospitality, correctional and government. Lease, sale, and financing options are available.

Our success is largely due to the reliability and responsiveness of our team of experienced professionals. Members of our management, operations and sales teams have, on average, twenty years of experience in the modular and construction industries. We ask our Clients to measure us in terms of our integrity, dependability, and thoroughness. We listen carefully and then use our resourcefulness, experience, and financial strength to deliver a quality turnkey project on time and within budget.

Please contact us if you wish to modify these specifications or have any questions. Any specification changes after your order is placed will need to be mutually agreed in writing.

Respectfully,

TEAM ARIES  
Enclosure(s)

## BID FORM

### 1. DECLARATION

The Contractor hereby declares that he/she:

- A. Has carefully examined the Bidding Documents;
- B. Has a clear understanding of the Bidding Documents;
- C. Has visited job sites and become familiar with the scope of the work and actual conditions.

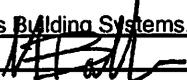
### 2. BASE BID

The contract will be awarded to one vendor for all work required by the Contract Documents as shown by the specifications.

\$ <u>77,689.00</u>	Per Modular Building for 1 Building, Bid effective for 30 days
\$ <u>77,689.00</u>	Total Bid for 1 Building, Bid effective for 30 days
\$ <u>77,689.00</u>	Per Modular Building for 1 Building, Bid effective for 60 days
\$ <u>77,689.00</u>	Total Bid for 1 Building, Bid effective for 60 days
\$ <u>77,689.00</u>	Per Modular Building for 1 Building, Bid effective for 120 days
\$ <u>77,689.00</u>	Total Bid for 1 Building, Bid effective for 120 days

\*\*EXCEPTION: Aries is not able to meet the required schedule date of July 29, 2015

\*\*PROPOSED DELIVERY DATE: August 28, 2015

**Company:** Aries Building Systems, LLC  
**Signature:**   
**Title:** V. P. of Sales and Marketing  
**Business Address:** 12621 Featherwood Dr., Ste. 300  
Houston, TX 77034  
**Telephone Number:** 281-448-2800  
**Fax Number:** 254-853-4209  
**E-mail Address:** mbj@ariesbuildings.com

## **BASE CLARIFICATIONS AND NOTABLES**

1. Pricing is based on ARIES interpretation of the RFP.
2. Pricing is based on ARIES standard Terms and Conditions.
3. Owner provides a clear and accessible site to allow for the delivery and installation of modular sections using standard modular industry vehicles and equipment.
4. Owner is responsible for all Engineering beyond standard Modular Engineering Packages for State Modular Certification.
5. Owner to provide all applicable site development work up to building line including, but not limited to: parking, entries, sidewalks, site plumbing (water and sewer), site power (electrical), signage, landscaping, and fencing.
6. Owner connects site water line to a multiple water line stub within the crawlspace (above grade) and connects multiple sewer stubs together (one at each fixture or drain), including clean-outs and then to site sewer at the existing supply. Includes meters, pressure regulators and backflow preventers.
7. Owner to connect site power through a weather head or stubbed conduit to exterior MDP or Gutter Tray with Sub-Disconnects. Provide conduit and wire necessary to make service connections from sub-panels conduit stubs (each panel has an empty conduit stubbed to the crawl space – one panel provided in each modular section). Each sub panel has a load center or breaker to connect to. Includes meter base, meter, grounding rod and connections, transformers (as or if required), voltage surge protection as or if required.
8. All low voltage wiring devices will be supplied and installed by Owner's subcontractors, including but not limited to: Patch Panels, Devices, Services, Security and CCTV; if required.
9. Owner will construct and install Fire Alarm systems, including horizontal conduits, wiring devices, transceiver, antenna and panels; if required.
10. Owner to connect fire sprinklers including backflow preventer, pump, Siamese, PIV and hydrants; if required.
11. Owner to install HVAC condensate drain line and dry wells is or as required.
12. Owner to provide and install interior and exterior signage as or if required.
13. Owner to provide and install all FFE (furnishings, fixtures and equipment) within the building.

Size: 24X64

Square Ft: 1,536

Perimeter Ft:

176 Occupancy:

Qty	Description/Mem	Color/Location
-----	-----------------	----------------

**SPECIFICATIONS**

APPROXIMATE DELIVERY TIME  
FROM RECIEPT OF P.O., COLOR SELECTIONS AND FINAL  
CUSTOMER APPROVED DRAWING:

Estimated Shipping Date

This date is an estimate. The actual date will be determined after we receive your purchase order, your customers final approved drawings and "all" color selections.

- 1.00 Units will be built and shipped in this order  
The set up material needs to be sent in the first units that are being shipped.

Estimated Shipping Height

This is the approximate shipping height of your building. ARIES is not responsible for overheight shipping cost.

WARRANTY

Aries Building Systems' Standard Limited Warranty begins at the date of invoice, not at the date of shipment or occupancy\*\*\*

(4) Sets of engineered plans included for customer

Drawing includes one sign off, one revision and one set of 4 engineered drawings only. There will be a charge for any Engineered drawings we have to change after your final approval.

Base Building - Doublewide 2-!11'8"x64'

Codes/States/Labels:

IBC,LA

Modular Building Institute Seal

Qty	Description/Mem	Color/Location
-----	-----------------	----------------

**SPECIFICATIONS**

130 MPH Wind Speed

Occupancy: Educational

Note: Occupant load will be based on the fresh air capacity of the HVAC system quoted.

Destination:

**FRAME**

Outrigger Type (I-Beam Spacing - 95 1/2") I-

Beam Size As Required

Axle Quantity As Required

New Tires

Detachable Hitches

**FLOOR**

Nylon Impregnated Bottom Board

2x8 Joists, 16" OC

Std. 5/8" T & G Plywood Decking

Floor patch for mate lines is not provided

1/8" Vinyl Composite Block Tile (per print)

**WALLS & PARTITIONS**

Wall Height: 8'-0"

2x4 Wood Studs, 16"

OC Double Top Plate

2x6 Wood Studs Exterior Walls

24.00 LF Interior Partition Walls (per print)

1/2" Vinyl Covered Gypsum Interior Wallboard

Standard Interior Trim Package

**INTERIOR DOORS**

2.00 36"x 80" Hol. Core Imp.Oak St. Fr.

Note:Additional charge will apply for custom

color

**ROOF**

Ground Snow Load: 20 psf

Truss Type: Box

Truss Spacing: 24" O.C.

Qty	Description/Memo	Color/Location
-----	------------------	----------------

**ROOF**

FR-Deck  
 45 Mil Black EPDM (requires FR Board)  
 Ceiling: 1/2" Prefin C-spray Gyp  
 w/Rosettes, Splines Ceiling Height: 8'-0" AFF

- 1.00 Mateline Ridgebeam  
 Ridgebeam: 4 Layer 24", 3/4"  
 Plywood NO sidewall hurricane  
 straps are quoted Attic Ventilation  
 as Required

**PLUMBING**

\*No Plumbing Included\*

**ELECTRICAL**

- 2.00 100 Amp Panel
- 24.00 240 Surface Mount Fluor. Lts.w/Electronic Ballasts
- 2.00 Black Porch Light, factory std-w/ Photo Cell
- 2.00 Combo Lighted Exit Sign/Emergency Light w/Battery
- 12.00 Empty 2x4 J-Box w/1/2" Conduit Stub
- 1.00 Alarm Junction Boxes 2x4 w 3/4" conduit  
 \*\*\* 3/4" conduit for fire alarm \*\*\*  
 All alarm devices & wiring are by others on site
- 1.00 Please Note:  
 It will be the customer responsibility to locate all j-boxes and receptacles.  
 The receptacles and j-boxes shown on sign off drawings will be factory  
 best guess. Please move or add in locations you desire when approving  
 shop drawings.  
 Commmerical Grade 20amp 110v Recepts approx 12' oc
- 1.00 Exterior GFI Receptacle (in-use type) 20  
 amp 12-2 Romex Wiring
- 2.00 Special Item  
 ceiling mount j-box for smoke detectors (smoke detectors by others)
- 4.00 Special Item  
 powered j-box for ceiling fans on variable speed control

**HVAC**

- 2.00 3 Ton Wall Mount Unit w/10kw Heat
- 2.00 CRV Unit On Wall Mount HVAC

Qty	Description/Memo	Color/Location
-----	------------------	----------------

**HVAC**

Programmable  
Thermostats

- 90.00 LF Fiberglass Supply Duct w/Grilles
- 58.00 LF Fiberglass Return Duct w/Grilles
- 24.00 LF Plenum Wall

**CABINETS & FURNISHINGS**

No Cabinetry Quoted

**EXTERIOR**

Hardipanel Siding & Trim (Sierra w/verticle grvs.)  
Sheathing As Required  
100% House Wrap  
Hardipanel Mansard (20" to 24" avg. height)

**WINDOWS**

- 2.00 36"x 60" VS DP 66 Lowe E Insulated  
.This is an egress window.  
Bronze Alum. Frames  
Clear Glass

**EXTERIOR DOORS**

- 1.00 "All exterior doors need weather protection"  
All exterior doors need weather protection. You need a porch or awning to prevent water damage to your floors or walls.
- 2.00 36"x80" ST/ST w/10" VB 20ga. door,18ga fr.)
- 2.00 Lever Hardware
- 2.00 STANDARD CLOSER

**INSULATION**

Floor - R-30  
10"  
Exterior Wall - R-19  
  
Roof - R-38  
12"  
Interior Partitions - R-11  
3.5"

**OPTIONS**

Skirting: Hi-rib 29ga Stl. w/2x2 PT,Vents (36"avg) add+ \$1,300.00  
Skirting: Hardipanel w/2x2 PT, Vents (36" avg.) add+ \$1,300.00  
Hi-rib 29ga Steel Siding w/Steel Trim w / 100% 7/16" OSB Sheathing  
add+ \$ 1,100.00  
36"x 60" VS DP 66 Lowe E Insulated add+ \$350.00 each

THIS DRAWING PREPARED FOR:

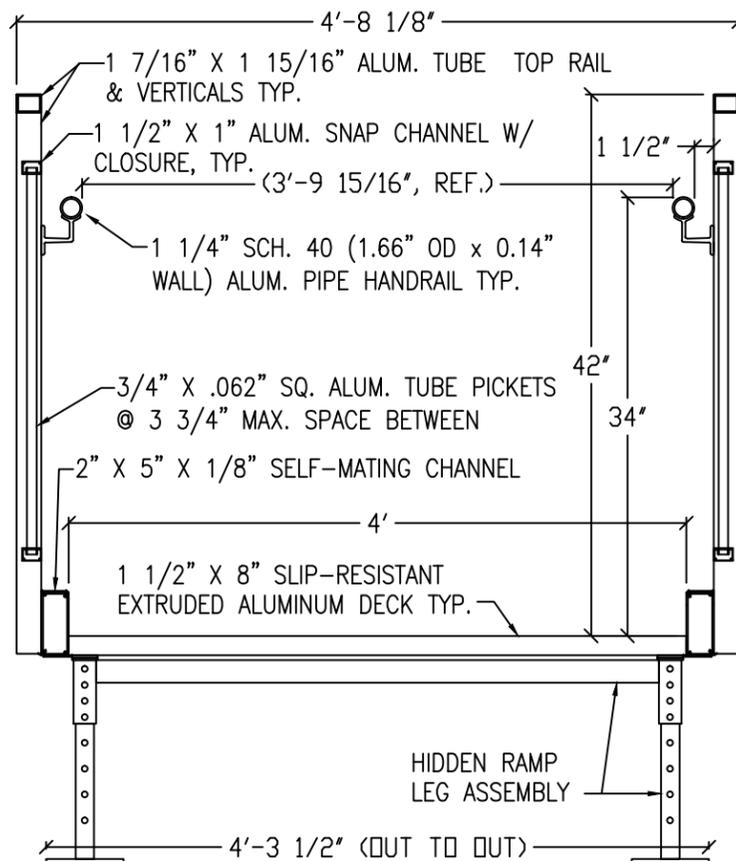
# WASHINGTON PARISH SCHOOLS

## FRANKLINTON, LA

THIS DRAWING PREPARED BY:

**Sapa Extrusions, llc.**  
**REDD Team**  
 Delhi, Louisiana  
 1-800-779-5509

PRODUCT REQUESTED:  
**ALUMINUM RAMP SYSTEM**  
**WITH 42" HIGH VERTICAL PICKET RAILS**



SECTION: ALUMINUM RAMP  
 42" TALL VERTICAL PICKET GUARDRAILS

CONTRACTOR/PURCHASER IS RESPONSIBLE FOR VERIFYING LAYOUT AS WELL AS ANY CRITICAL DIMENSIONS & THRESHOLD ELEVATIONS PRIOR TO FABRICATION. A SIGNED AND DATED APPROVAL IS REQUIRED TO BEGIN PRODUCTION.

BY SIGNING BELOW, I ACKNOWLEDGE THAT I HAVE REVIEWED ALL CRITICAL INFORMATION THAT IS LISTED WITHIN THIS DOCUMENT AND ASSUME RESPONSIBILITY FOR ANY VARIANCES ON SITE.

DATE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_

**GENERAL NOTES:**

1. ALUMINUM RAMP, LANDING AND STAIR SECTIONS SHALL BE A RIGID, FREE-SPAN DESIGN.
2. DESIGN OF THE ALUMINUM STRUCTURES SHALL CONFORM TO THE CURRENT EDITION OF **THE ALUMINUM ASSOCIATION SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES.**
3. ALL ALUMINUM CONSTRUCTION USING 6000 SERIES ALUMINUM ALLOYS. STRUCTURAL MEMBERS TO BE 6061-T6, 6063-T6 AND 6005-T5 ALUMINUM ALLOY.
4. ALUMINUM WILL BE STANDARD MILL FINISH UNLESS OTHERWISE NOTED.
5. WELDING SHALL BE IN ACCORDANCE WITH ANSI/AWS D1.2-97 GAS METAL ARC WELDING (GMAW) PROCESS BY EXPERIENCED OPERATORS.
6. ALL FASTENERS TO BE 18-8 (SERIES 304) STAINLESS STEEL UNLESS OTHERWISE NOTED.
7. LANDING, RAMP AND STAIR SECTIONS ARE TO BE ENGINEERED FOR A 100 PSF LIVE LOAD.
8. LANDING AND RAMP WALKING SURFACES SHALL BE DESIGNED FOR A MINIMUM CONCENTRATED VERTICAL LOAD OF 300 LBS APPLIED EVENLY OVER A 12" x 12" AREA. STAIR TREADS SHALL BE DESIGNED TO WITHSTAND A MINIMUM CONCENTRATED LOAD OF 300 LBS OVER A 4 SQUARE INCH AREA.
9. RAMP AND LANDING GUARDRAILS TO BE 42 INCH MINIMUM HEIGHT UNLESS OTHERWISE SPECIFIED. (34 AND 38 INCH TWO-LINE RAMP RAILS AND 34 AND 38 INCH VERTICAL PICKET RAMP RAILS AS WELL AS CUSTOM DESIGN RAMP RAILS AVAILABLE UPON REQUEST FOR SYSTEMS NO MORE THAN 30 INCHES ABOVE FINISHED GROUND LEVEL.)
10. HANDRAIL ASSEMBLIES AND GUARDRAILS SHALL BE DESIGNED TO RESIST A LOAD OF 50 PLF APPLIED IN ANY DIRECTION AT THE TOP OF THE RAIL.
11. HANDRAIL ASSEMBLIES AND GUARDRAILS SHALL BE ABLE TO RESIST A SINGLE CONCENTRATED LOAD OF 200 LBS, APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP OF THE RAIL. THIS LOAD NEED NOT BE ASSUMED TO ACT CONCURRENTLY WITH THE LOADS SPECIFIED IN THE PRECEDING PARAGRAPH.
12. INTERMEDIATE RAILS (ALL THOSE EXCEPT HANDRAILS), BALUSTERS AND PANEL FILLERS SHALL BE DESIGNED TO WITHSTAND A HORIZONTALLY APPLIED NORMAL LOAD OF 50 LBS ON AN AREA EQUAL TO 1 SQUARE FOOT, INCLUDING OPENINGS AND SPACE BETWEEN RAILS.
13. GUARDRAIL SYSTEMS SHALL BE DESIGNED SO THAT A 4 (FOUR) INCH SPHERE CANNOT PASS THROUGH ANY OPENING.
14. DECK SURFACE SHALL BE A SLIP RESISTANT, EXTRUDED ALUMINUM DECKING WITH A TRIPLE I-BEAM, SELF-MATING DESIGN.
15. ALL SURFACES, MEMBERS AND THEIR WELDED JOINTS SHALL BE SMOOTH AND FREE FROM SHARP OR JAGGED EDGES.
16. ALL DESIGNS SHOWN HEREIN ARE SUBJECT TO CHANGE PENDING FIELD VERIFICATION OF EXISTING CONDITIONS.

Existing law protects Sapa Extrusions, llc. right of possession to this drawing. The design or the drawing, in whole or in part, without written permission of Sapa Extrusions, llc., be published, copied, reproduced, manufactured or exploited in any unauthorized way.

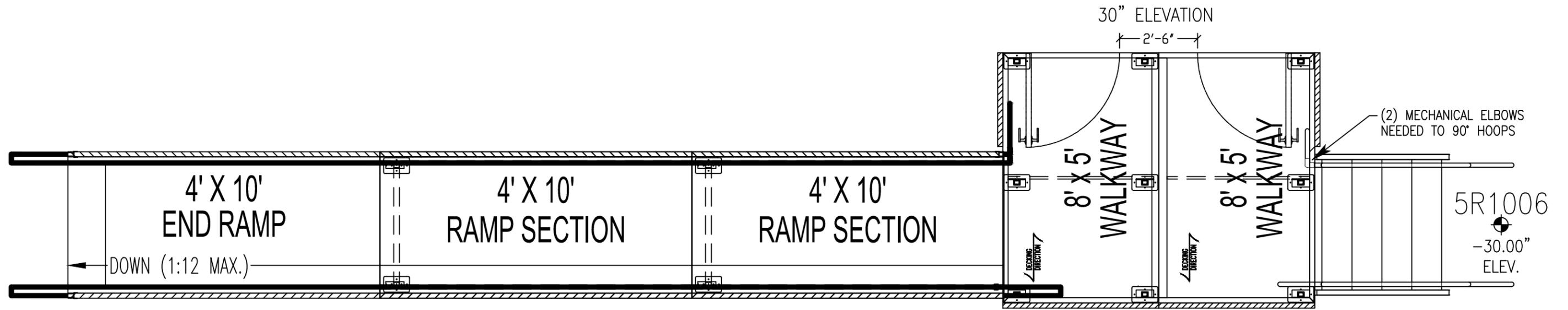
Sapa Extrusions, llc.  
 125 Superior Drive  
 Delhi, LA 71232  
 Phone: 1(800)779-5509  
 Fax: 1(866)940-4566

**sapa:**

FOR QUOTATION PURPOSES ONLY

WASHINGTON PARISH SCHOOLS  
 FRANKLINTON, LA  
 ALUMINUM ACCESS RAMP SYSTEM  
 WITH 42" HIGH VERTICAL PICKET GUARDRAIL

DATE	3/26/2014
JOB NO.	----
FILENAME	ARIES WA0555
REV.	R - 1
DRAWN BY	CDR
APPROVED BY	
SHEET NUMBER	COVER



42/34 VP RAMP SYSTEM ACCESS PLAN VIEW

Existing law protects Sapa Extrusions, llc. right of possession to this drawing. The design or the drawing as not, without written permission of Sapa Extrusions, llc., be published, copied, reproduced, manufactured or exploited in any unauthorized way.

Sapa Extrusions, llc  
 125 Superior Drive  
 Delhi, LA 71232  
 Phone: 1(800)779-5509  
 Fax: 1(866)840-4566

**sapa:**

FOR QUOTATION  
 PURPOSES ONLY

WASHINGTON PARISH SCHOOLS  
 FRANKLINTON, LA  
 ALUMINUM ACCESS RAMP SYSTEM  
 WITH 42" HIGH VERTICAL PICKET GUARDRAIL

DATE	3/26/2014
JOB NO.	----
FILENAME	ARIES WA0555
REV.	R - 1
DRAWN BY	CDR
APPROVED BY	
SHEET NUMBER	01

SCHEDULE D (Reference Master Distributor Agreement For More Information)  
One Year Warranty Statement  
November 18, 2008

### SAPA LIMITED WARRANTY

Sapa makes the following Limited Warranty to Distributor concerning Product. This Limited Warranty is in lieu of and supersedes and replaces any other warranties contained in any other transaction document between the Parties, including but not limited to those of Project Specifications or general/standard terms and conditions.

The Warranty period starts at the date of delivery of Product to End User (the "Effective Date") and shall continue for one (1) year after the Effective Date (the "Warranty Period"). Subject to the limitations set forth herein, Sapa warrants that it will convey good title to Product, that Product will be delivered free from any lawful security interest or other lien or encumbrance unknown to Buyer, and that the Product will conform to the descriptions provided, be free from defects in materials and workmanship and will conform to the specifications set forth in the product specification sheets located at <http://www.sapafabricatedproducts.com>. Except as expressly set forth herein, Product is provided "As Is." NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, REGARDING ITS PRODUCTS, OR ITS SELECTION AND APPLICATION, INCLUDING, BUT NOT LIMITED TO, COMPLIANCE WITH BUILDING CODES, SAFETY CODES, LAWS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

This Limited Warranty shall be void when the non-compliance is a result of occurrences we do not control. Such occurrences would be (but not limited to):

- Act of God
- Casualty or physical damage
- Fire
- Government restrictions
- Acts of war
- Faulty storage or packaging before installation (water damage due to condensation)
- Incorrect usage or application
- Lack of reasonable documented maintenance (use of cleaning agents not in accordance with AAMA instructions or no systematic cleaning program in areas of high salt concentration.)
- Corrosive atmosphere found in building interiors affecting interior surface of material
- Standing water on metal
- Excessive building movements
- Work or materials provided by others
- Parts that are formed or welded after anodizing
- Improper handling of material, such as surface scratches during fabrication or installation.
- Fabrication at temperatures below 60 degrees Fahrenheit.
- Defects in the fabrication
- Material used outside the continental United States (unless written approval is received from Sapa)
- Corrosion of the metal substrate
- Deterioration of the finish due to unpainted or exposed metal (saw cuts, joint edges, punches, weep holes, or drill holes)

- Use of materials that are not compatible
- Improper storage of metal prior to installation causing damage (see AAMA Publication 10, "Care and Handling of Architectural Aluminum From Shop to Site")

Sapa's maximum liability hereunder shall be limited to the original purchase price for the relevant Product. Sapa will not be responsible for additional installation, removal and/or fabrication costs incurred should Product be installed at a job site. Sapa's liability and Distributor's exclusive remedy for any breach of warranty, is expressly limited to Sapa's choice of (i) the repair of nonconforming goods, (ii) the replacement of nonconforming goods with conforming goods, and (iii) the replacement of that portion of the purchase price represented by nonconforming goods. Such repair, replacement or repayment will be made only upon return of the nonconforming goods, which may be returned at Sapa's cost only after Sapa's inspection and Distributor's receipt from Seller of definite shipping instructions. Any material breach by Distributor of any of the conditions of this Limited Warranty or any of the transaction documents between Distributor and Sapa shall result in voiding this Warranty. Sapa will not be liable for incidental, special or consequential damages of any kind. The Limited Warranty made by Sapa for any products replaced or repaired under this Limited Warranty shall be limited to the remainder of the original Warranty Period. The legal remedies described in this Limited Warranty are the exclusive remedy of Distributor. Failure by Distributor to make timely payment will void this Limited Warranty.

Should Distributor find it necessary to file a complaint concerning non-conformance of this Warranty, Distributor must notify Sapa in writing within thirty (30) days of discovery of the non-compliance and no later than thirty (30) days after the Warranty Period. This Warranty will be void if that claim notification does not occur within that time period. Upon receipt of the written notice, Sapa may research the claim using ASTM, AAMA, AATCC, or other reasonably available testing procedures. It may be necessary for Distributor to assist in making these determinations and Distributor shall reasonably cooperate with Sapa in this process. Sapa reserves the right to field access to diagnose and repair any product alleged to be defective. This Limited Warranty may not be modified or changed by anyone without written agreement signed by the authorized representatives of all Parties.

This Limited Warranty is non-transferable and non-assignable and Distributor shall not permit or authorize its employees, agents, representatives or customers to claim, represent or imply that this Limited Warranty extends or is available to anyone other than the Customer of Sapa.



**VIDAL ENGINEERING, L.C.**

---

**SLIP RESISTANCE TESTING**

**For**

**SAPA Extrusions North America  
REDD TEAM**

**Performed by  
VIDAL ENGINEERING, L.C.**

April 21, 2014

**Project: # 14011**

Report Prepared by: Keith Vidal, P.E., CXLT

Vidal Engineering, L.C.  
P.O. Box 31875  
St. Louis, MO 63131  
314-205-0088

---

P.O. Box 31875 ♦ ST. LOUIS, MO 63131 ♦ PH: 314-205-0088

FAX: 314-579-0089 ♦ WWW.VIDALENG.COM

April 21, 2014

File # 14011

Joshua Klober  
SAPA REDD TEAM  
125 Superior Drive  
Delhi, LA 71232

Re: Slip Resistance testing of Series URS deck samples

Dear Mr. Klober:

Thank you for allowing Vidal Engineering, L.C., the opportunity to serve your needs for the evaluation of slip resistance of SAPA products. Vidal Engineering was asked to evaluate the slip resistance of an extruded aluminum deck material, under dry and wet conditions, perpendicular and parallel to the extrusion direction of the samples.

Vidal Engineering received the two samples of aluminum decking on April 16, 2014. The samples were identified per telephone conversations with Joshua Klober after receipt at Vidal Engineering. The samples were approximately 24 inches in length and 6.75 inches in width as seen in **Figures 1 and 2**.

Keith Vidal, P.E., a certified XL Tribometrist (CXLT) performed all preparations, calibrations, and tests.

***Description of Equipment Used***

Slip resistance testing was performed with a Variable Incidence Tribometer (VIT), manufactured by William English, Ltd., which is also known as an English XL slip resistance tester. The instrument used for these tests is the XL VIT with Sequencer model, serial number 1006061. The manufacturer calibrated this instrument in January 2014. All



Figure 1

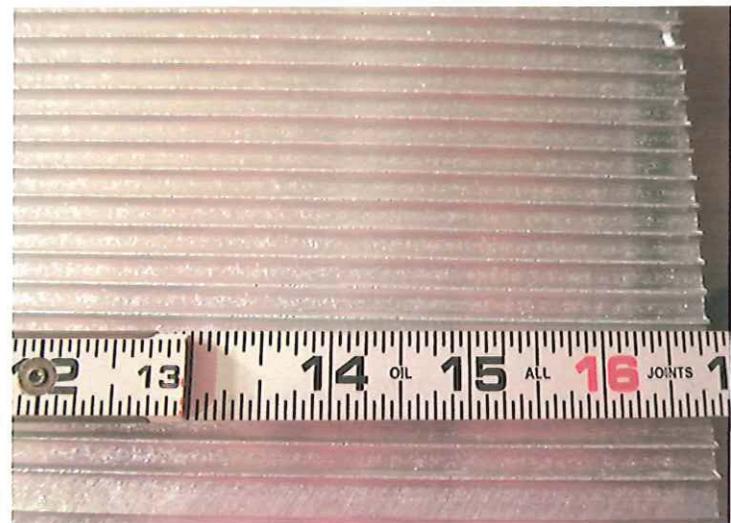


Figure 2

April 21, 2014

calibration testing as well as sample testing was performed in accordance with the July 4, 2012, version of the XL VIT User Guide. Each sample was tested using a standard Neolite® non-treaded test foot, serial number 2101, 1.25 inches ± 0.03 inches in diameter true circle. The Neolite was manufactured on June 16, 2012, by Smithers Scientific Services, Inc. 425 W. Market St., Akron, OH 44303. The XL VIT Neolite test foot was calibrated prior to testing of the SAPA samples using a certified Tile Council of North America (TCNA) test foot calibration tile, obtained from TCNA in October 2008, and recertified by ExCel Tribometers January 2014.

### ***Test Method and Data Collection***

The samples were thoroughly washed and rinsed in a dish soap solution and allowed to air dry prior to testing. Due to the directionality of the surface design the parties agreed that tests were to be performed perpendicular and parallel to the extrusion direction of the samples. Each of the two samples was tested four times in each direction, dry and wet, for a total of eight tests per direction per condition (dry and wet) and then averaged.

The data was collected in accordance with the manufacturer of the VIT's operating instructions (July 2012 version), and is believed to be accurate. However, it is a known fact that there is always some variability in any measurements, including measurements with tribometers.

A 95% confidence interval of ± 0.05 (standard error of the mean) for surfaces that measure above 0.50, has been established by the manufacturer of the XL VIT. The standard error of the mean calculated for the data found in these tests were all within the limits stated above.

### ***Results***

The results of the testing are listed in the table below, noting that all of the values are averages of eight tests for each sample and for each condition. The standard deviation of each set of tests is also listed after the value of slip resistance. The standard deviation provides an indication of how closely each test result was to the other test results of the same group. From the standard deviation one can also calculate the standard error and a confidence interval. A 95% confidence interval was used in this analysis and is listed in the last row of the table.

The terms *Slip Resistance Index (SR)* or *Slip Index, coefficient of friction (COF), static coefficient of friction (SCOF)*, are all used interchangeably in tribometric circles (although they are technically different), and all have the same scale. The slip resistance index (and COF) ranges from zero to 1.0, with low values being more slippery than higher values. Values of slip resistance above 1.0 can be encountered also, but this typically happens when interlocking between the contacting surfaces occurs. The raw data collected for this project is attached to this report.

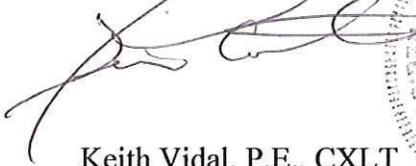
	<b>Dry Perpendicular</b>	<b>Dry Parallel</b>	<b>Wet Perpendicular</b>	<b>Wet Parallel</b>
Slip Index/ Std. Dev.	0.94 / 0.057	0.84 / 0.026	0.85 / 0.077	0.81 / 0.030
Std. Error	0.020	0.009	0.027	0.011

April 21, 2014

95% Confidence Interval	0.90 – 0.98	0.82 – 0.86	0.80 – 0.90	0.79 – 0.83
-------------------------	-------------	-------------	-------------	-------------

Please contact my office if you have any questions.

Respectfully submitted,  
Vidal Engineering, L.C.



Keith Vidal, P.E., CXLT  
President



*expires  
12-31-14*

**COPY**

Original Sent Via UPS Overnight

 **Document A310™ – 2010**

**Bid Bond**

**CONTRACTOR:**

*(Name, legal status and address)*

Aries Buildings Systems, LLC  
2900 S. Quincy Street, Suite 300A  
Arlington, VA 22206

**SURETY:**

*(Name, legal status and principal place of business)*

Hartford Fire Insurance Company  
Hartford Plaza, Caladonian Bldg. 1st Floor  
Hartford, CT 06115

**OWNER:**

*(Name, legal status and address)*

Washington Parish School System Office  
800 Main Street, Franklinton, LA 70438

**BOND AMOUNT:** \$ 5% of amount bid

**PROJECT:**

*(Name, location or address, and Project number, if any)*

Purchase of New Modular Classroom Building at Pine High School

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

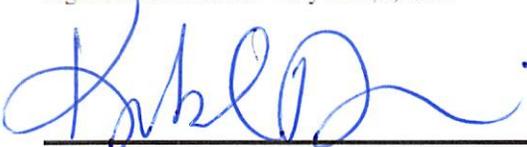
Init.

AIA Document A310™ – 2010. Copyright © 1963, 1970 and 2010 by The American Institute of Architects. All rights reserved. **WARNING: This AIA® Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA® Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.** This document was produced by AIA software at 15:33:40 on 08/01/2011 under Order No.1990321605\_1 which expires on 02/11/2012, and is not for resale.

User Notes:

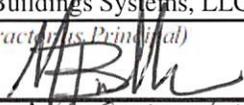
(812930934)

Signed and sealed this 23rd day of June, 2015

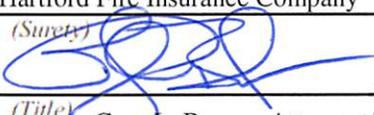
  
\_\_\_\_\_  
(Witness)

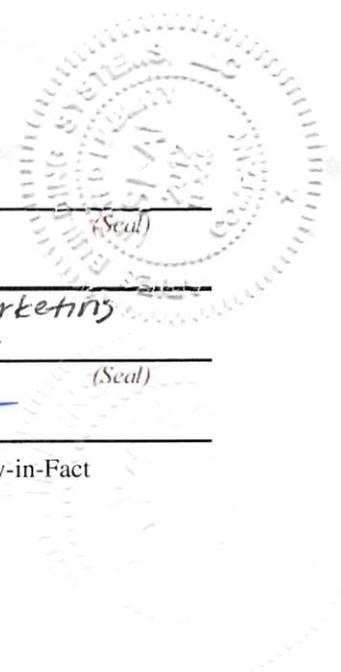
  
\_\_\_\_\_  
(Witness)

Aries Buildings Systems, LLC  
\_\_\_\_\_  
(Contractor as Principal) (Seal)

  
\_\_\_\_\_  
(Title) V.P. Sales & Marketing

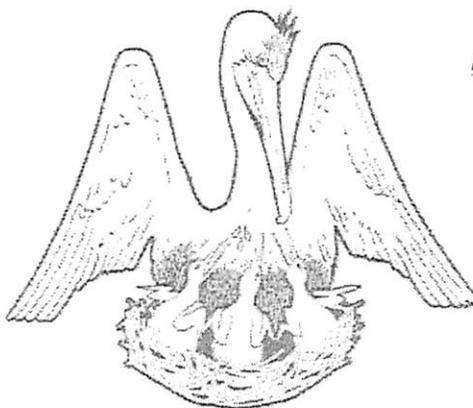
Hartford Fire Insurance Company  
\_\_\_\_\_  
(Surety) (Seal)

  
\_\_\_\_\_  
(Title) Gary L. Berger, Attorney-in-Fact





State of



Louisiana

Commissioner of Insurance

*certifies that*

Gary Louis Berger  
31 Springhill Farm Ct  
Cockeysville, MD 21030-1430

*has properly met the requirements for licensure of the  
Louisiana Department of Insurance.*

License Number: 276542



<u>License Code</u>	<u>Issue Date</u>	<u>Expiration Date</u>
Producer - Casualty	06/19/2001	09/30/2015
Producer - Property	06/19/2001	09/30/2015

A handwritten signature in black ink, appearing to read "James J. Donelon".

James J. Donelon  
Commissioner of Insurance



Louisiana Department of Insurance  
James J. Donelon  
Commissioner

**VERIFICATION OF LICENSE STATUS**

License Number: 276543  
Name: Hms Insurance Associates Inc  
NPN:  
Mailing Address: 20 Wight Avenue, Suite 300  
Hunt Valley, MD 21030  
  
Business Phone: (410) 337-9755  
Trade Name:

**Lines of Authority**

Producer Agency			
Authority	Effective Date	Valid Through	Status
Casualty	05/22/1992	04/30/2017	Active
Property	05/22/1992	04/30/2017	Active



DOUGLAS D. "DOUG" GREEN  
COMMISSIONER

# State of Louisiana

COMMISSIONER OF INSURANCE  
BATON ROUGE

AMENDED

## Company's Certificate of Authority

Whereas, the HARTFORD FIRE INSURANCE COMPANY

located at HARTFORD, CONNECTICUT

has applied for a certificate of authority and made the filings required of such Insurer:

Therefore, I, Douglas D. "Doug" Green, the undersigned, Commissioner of Insurance,

do hereby certify that the said HARTFORD FIRE INSURANCE COMPANY

is authorized to transact its appropriate business of \_\_\_\_\_

HEALTH AND ACCIDENT  
VEHICLE  
VEHICLE PHYSICAL DAMAGE  
LIABILITY  
WORKMEN'S COMPENSATION  
BURGLARY AND FORGERY  
GLASS  
FIDELITY AND SURETY

FIRE AND EXTENDED COVERAGE  
STEAM BOILER AND SPRINKLER  
LEAKAGE  
CROP AND LIVESTOCK  
MARINE AND TRANSPORTATION  
(INLAND MARINE)  
MISCELLANEOUS

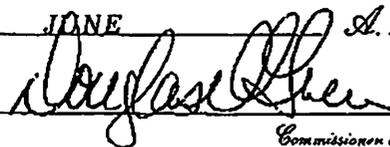
\_\_\_\_\_ Insurance in this State,

in accordance with the laws thereof. This certificate shall remain in effect until cancelled, suspended, revoked, or the renewal thereof refused.

In Testimony Whereof, I hereunto subscribe my name, and affix the seal of my office at Baton Rouge,

this 18TH

day of JUNE A. D. 19 88

  
\_\_\_\_\_  
Commissioner of Insurance

# POWER OF ATTORNEY

Direct Inquiries/Claims to:

**THE HARTFORD**

Bond T-4

One Hartford Plaza

Hartford, Connecticut 06155

call: 888-266-3488 or fax: 860-757-5835)

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 30-720307

- Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
- Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
- Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of Unlimited** :

Craig Bancroft, Gary L. Berger, Shari Bowers, William Francik, Joshua B. Hauserman, Jonathan Kibler, Stephen M. Mutscheller, R Nelson Oster, Robert F. White of HUNT VALLEY, Maryland

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by , and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on August 1, 2009, the Companies have caused these presents to be signed by its Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



*Wesley W. Cowling*

Wesley W. Cowling, Assistant Secretary

*M. Ross Fisher*

M. Ross Fisher, Vice President

STATE OF CONNECTICUT }  
 COUNTY OF HARTFORD } ss. Hartford

On this 12th day of July, 2012, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

*Kathleen T. Maynard*

Kathleen T. Maynard  
 Notary Public

My Commission Expires July 31, 2016

I, the undersigned, Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of **June 23rd, 2015.**

Signed and sealed at the City of Hartford.



*Gary W. Stumper*

Gary W. Stumper, Vice President

# State of Louisiana



## State Licensing Board for Contractors

This is to Certify that:

ARIES BUILDING SYSTEMS, LLC  
P.O. Box 548  
Troy, TX 76579

is duly licensed and entitled to practice the following classifications

BUILDING CONSTRUCTION



Witness our hand and seal of the Board dated,  
Baton Rouge, LA 20th day of February 2015

Expiration Date: February 20, 2016

License No: 60356

  
Director

  
Chairman

  
Secretary-Treasurer

This License Is Not Transferrable