ADDENDUM #1     DATE:3/27/2018

REFERENCE:  Invitation for Bid:   #S-LB-18625
            IFB Issue Date:  3/8/2018
            Title & Location: Rippon Middle School Window Replacement Phases 1 & 2
            Architect/Engineer: RRMM Lukmire Architects
            Sealed Bid Due Date & Time: April 3, 2018 at 2:00pm

THE FOLLOWING CHANGES, ADDITIONS, DELETIONS AND CLARIFICATIONS ARE HEREBY MADE PART OF THE BIDDING REQUIREMENTS AND CONTRACT DOCUMENTS FOR THE ABOVE REFERENCED PROJECT AND SHALL BE TAKEN INTO ACCOUNT IN THE PREPARATION OF ALL BIDS AND THE EXECUTION OF ALL WORK. BIDDERS SHALL ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE APPROPRIATE SPACE ON THE BID FORM.

Please see the attachment with questions and responses.

Drawings:
- REVISE: A101 Phase I – New Work Plan – Area A
- REVISE: A102 Phase I – New Work Plan – Area EGH
- REVISE: A151 Phase II – New Work Plan – Area BCD
- REVISE: A152 Phase II – New Work Plan – Area BDF
- REVISE: S101 Phase I – Structural Plans & Details
- REVISE: E101 Electrical – First Floor Plan

Specifications:
- REVISE: 00 0002 Table of Contents
- REVISE: 00 100 PWCS – Instruction to Bidders
- REVISE: 01 010 PWCS – Summary of Work and General Provisions
- DELETE: 01 2300 Add Alternates
- ADD: 28 1353.11 PWCS - Aiphone Specifications
<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Company</th>
<th>Question</th>
<th>Response</th>
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</table>
| 1      | 3/23/2018| Athena Construction      | 1. Detail 10/A551 shows a glazed in insulated metal panel at steel columns. There are a couple of issues with this detail.  
   a. The first being the steel tube is shown intersecting the head & sill of our system. This is a problem as we would need to notch the head and sill of the storefront system to accommodate the steel tube and our manufacturer’s will not warrant the system as you will compromise the system’s ability to control water. BBEI proposes to eliminate the head and sill profiles at the steel tube and then wet-seal a brake-metal or ACM panel in place.  
   b. The second problem is even if the steel tube was set back so that it did not require notching of the head and sill, we could not glaze in the insulated metal panel as shown as we could not install the exterior glass stops with the panel being flush with the exterior face of our system. | 3/23/2018 RRMM The steel column does not intersect the head and sill of the new storefront system. Please refer to detail 5/A303 for the detail at the metal panel infill at the column. Please reference the storefront elevations, the header and sill mullions are not continuous across the entire width of the storefront. |
<p>| 2      | 3/23/2018| Athena Construction      | Do to the time factor would the owner consider moving the storefronts to phase two?                                                                                                                     | 3/23/2018 PWCS PWCS would consider this                                                                                                  |
| 3      | 3/23/2018| Athena Construction      | To ensure that the colors and finishes of the frames of the windows to be consistent would the owner/county pay for the complete package of windows and on-site storage?                                         | 3/23/2018 PWCS PWCS will pay for onsite stored materials.                                                                                  |
| 4      | 3/23/2018| Athena Construction      | Please confirm that the working schedule for phase I or phase II is 7 days a week and the general contractor will not be charged for security or owner’s project management that may be required to man this project on a seven-day schedule for a completion on August 10, 2018. | 3/23/2018 PWCS CONFIRMED                                                                                                                   |</p>
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<th>Date</th>
<th>Time</th>
<th>Priority</th>
<th>Question</th>
<th>Answer</th>
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<tbody>
<tr>
<td>5</td>
<td>3/23/2018</td>
<td>Athena Construction</td>
<td>3/23/2018 PWCS</td>
<td>The asbestos contractor who is working directly for the county will be installing temporary screens or protection for the removed windows.</td>
<td>No, the temporary partitions are the responsibility of the General Contractor.</td>
</tr>
<tr>
<td>6</td>
<td>3/23/2018</td>
<td>Athena Construction</td>
<td>3/23/2018 PWCS</td>
<td>Please clarify that the A305 qualification statement is not required to be submitted with the bid? But is due for submission by the apparent low bidder on April 4, 2018.</td>
<td>CORRECT</td>
</tr>
<tr>
<td>7</td>
<td>3/23/2018</td>
<td>Athena Construction</td>
<td>3/23/2018 PWCS</td>
<td>Will the county work with the contractor and allow bonding release after substantial completion of the phase I work?</td>
<td>This is something that PWCS will consider.</td>
</tr>
<tr>
<td>8</td>
<td>3/23/2018</td>
<td>Athena Construction</td>
<td>Ascent</td>
<td>After the mechanical work has been reinstalled please confirm that no testing or balancing is required on the existing system?</td>
<td>Confirmed, given the louvers installed provide the same free area as existing louvers replaced and existing heat pumps remain in-place. If heat pumps are removed and reinstalled for window system installation, associated system shall be tested and balanced.</td>
</tr>
<tr>
<td>9</td>
<td>3/23/2018</td>
<td>Athena Construction</td>
<td>3/23/2018 PWCS</td>
<td>Can the bid form be amended to include separate line item for the two allowances which total $275,000.00?</td>
<td>NO</td>
</tr>
<tr>
<td>10</td>
<td>3/23/2018</td>
<td>Athena Construction</td>
<td>3/23/2018 RRMM</td>
<td>Does the county require the contractor to pull the building permit? If yes, this will delay the starting of the project on June 11, 2018. To expedite the schedule the county should obtain the permit for the contractor during the bidding stage.</td>
<td>The building permit for Phase I was issued on 2/22/2018. Work for Phase II has not been permitted yet since this work is to be performed Summer 2019.</td>
</tr>
<tr>
<td>11</td>
<td>3/23/2018</td>
<td>Athena Construction</td>
<td>3/23/2018 PWCS</td>
<td>Does the county require the contractor to pull any addition permits that may be the responsibility of other contractors under the counties supervision?</td>
<td>The GC will be responsible for all permits required by the county for this project.</td>
</tr>
<tr>
<td>12</td>
<td>3/23/2018</td>
<td>Athena Construction</td>
<td></td>
<td>Is the owner considering replacing the precast concrete sill with a brick sill to help avoid any delays to the project schedule?</td>
<td>No change to the precast sill.</td>
</tr>
<tr>
<td>13</td>
<td>3/23/2018</td>
<td>Athena Construction</td>
<td>3/23/2018 RRMM</td>
<td>With regard to any brick replacements can the county provide the name of the existing brick and spec so that the contractor can match the brick?</td>
<td>Unit Masonry spec is provided in the bid package. Please reference 04 2000-2.1A1 for the existing brick match.</td>
</tr>
<tr>
<td></td>
<td>Date</td>
<td>Athena Construction</td>
<td>Description</td>
<td>Response</td>
<td>Details</td>
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<td>14</td>
<td>3/23/2018</td>
<td>Add alternate #1 replace exterior light fixtures, many of these existing fixtures are attached to the existing asbestos wall panels so the lights will have to be removed to enable the counties asbestos contractor to remove the panels, so surely this should be part of the base bid.</td>
<td>3/23/2018 RRMM</td>
<td>Add Alternate #1 includes &quot;masonry mounted light fixtures&quot; per Scope of Work on G001 and G051. You are correct, &quot;Remove existing exterior wall and ceiling mounted light fixtures around the entire perimeter of the building (except masonry mounted fixtures), UNO&quot; are included in the Phase I and II base bid per Scope of Work on G001 and G051.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>3/23/2018</td>
<td>Will the bid form be adjusted to include the three (3) alternates on 01 2300 – 2 with this in mind how will the add alternates be divided within the two phases of construction?</td>
<td>3/23/2018 PWCS</td>
<td>No, section 01 2300 will be deleted in its entirety.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>3/23/2018</td>
<td>With regard to add alternate #2 a. Clean all masonry surfaces around entire school can the county provide more detailed information be provided on the extent of this cleaning? E.g. power washing, acid rinse? b. Stain existing mortar. The only way the contractor can change the color is to remove and replace with new colored mortar. Is this your requirement?</td>
<td>3/23/2018 RRMM &amp; PWCS</td>
<td>Add Alternates #1, #2, #3 are removed from the scope of this project.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>3/23/2018</td>
<td>At the mandatory Prebid it was stated by the county that the successful general contractor would be required to provide the performance and payment bond based on the just a notice to proceed. However, it is standard construction practice to have a minimum for a bond to have notice of award. As stated in the bid documents under 00100 1.21 item A upon award of the contract. Please verify that the county will follow their own regulations?</td>
<td>3/23/2018 PWCS</td>
<td>CONFIRMED</td>
<td></td>
</tr>
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<td>18</td>
<td>3/23/2018</td>
<td>Prior to the asbestos contractor starting on site and removing the windows the window subcontractor will need access to measure all the existing windows prior to demolition.</td>
<td>3/23/2018 PWCS</td>
<td>We will insure that the Owners Asbestos contractor allow access for the GC to measure all exterior window before demolition starts.</td>
<td></td>
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<td></td>
<td>Date</td>
<td>Department</td>
<td>Comment</td>
<td>Response Date</td>
<td>Response Details</td>
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<tr>
<td>19</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>1) Bid Form 00300 The bid form does not allow for alternates on the form, yet there are requests for 3 Add Alternates in Section 012300.</td>
<td>3/23/2018 PWCS</td>
<td>Alternates have been deleted from the project.</td>
</tr>
<tr>
<td>20</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>2) Add Alternate #2 Please provide specification for cleaning existing masonry and please clarify that you require all masonry surfaces around entire school to be cleaned and not just cleaning masonry where it is requested to stain the mortar.</td>
<td>3/23/2018 RRMM &amp; PWCS</td>
<td>See response to comment #16</td>
</tr>
<tr>
<td>21</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>3) Add Alternate #2 Please provide spec for staining the mortar.</td>
<td>3/23/2018 RRMM &amp; PWCS</td>
<td>See response to comment #16</td>
</tr>
<tr>
<td>22</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>4) Add Alternate #1 Please clarify that for Add Alt. #1, if accepted, the exterior lights shown to remain will be replaced under Add Alt. #1.</td>
<td>3/23/2018 RRMM &amp; PWCS</td>
<td>See response to comment #16</td>
</tr>
<tr>
<td>23</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>5) Section 265619, paragraph 3.5 Is the illumination testing the responsibility of the Contractor or the Owner?</td>
<td>Ascent Contractor</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>6) Section 12 2113 – Louver Blinds Are the blinds intended to be installed for each individual window, or for the length of the opening (i.e., 8’, 12’, 14’)?</td>
<td>3/23/2018 RRMM</td>
<td>The intent is for the blinds to be installed for each individual window (mullion to mullion, max 4’) and not the entire length of the opening (wall to wall)</td>
</tr>
<tr>
<td>25</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>7) Section 096801 Please clarify the extent of carpeting in the Admin Offices/Admin Suite.</td>
<td>3/23/2018 RRMM</td>
<td>Approximately 2,100 SF of new carpeting in the admin area (VIF). Per keynote 9, crosshatch indicates extent of carpeting. I have attached a colored plan showing this extent.</td>
</tr>
<tr>
<td>26</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>8) Section 01500 Please provide location/laydown area for the temporary facilities of the site field office for Contractors and Owner’s Representative.</td>
<td>3/23/2018 PWCS</td>
<td>The Parking lot area the serves that Food Service and Tech Ed.</td>
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<tr>
<td>27</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>9) Please provide greater detail for Temporary Enclosure, especially at the Admin Offices where shoring and opening to building will be inevitable.</td>
<td>3/23/2018 PWCS</td>
<td></td>
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<td>29</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>11) Section 096801, 1.3E This section does not appear to apply to this contract. Please confirm and/or delete.</td>
<td>3/23/2018 PWCS</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>12) Sheet S101 Where spread footings are being installed at new posts: Please provide detail for spread footings where footing extend under the existing CMU wall.</td>
<td>S3E</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>13) Sheet S101 Is there an existing detail for 8” concrete grade wall so we can determine what is involved in removing portions of the grade wall?</td>
<td>S3E</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>14) Sheet A101, Keynote 13 The note asked us to replace all of the ceramic tile at the 2 walls indicated. Do we replace all of the ceramic tile on the floor for this one room?</td>
<td>3/23/2018 RRMM</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>3/23/2018</td>
<td>PBS Contracting</td>
<td>15) Add Alternate #3 Is the removal of Glasweld soffit finish by the asbestos contractor? The notes under Add Alternate #3 say “framing to remain”, but some of the details on sheet A502 show new 3 5/8” metal studs, etc. Please clarify.</td>
<td>3/23/2018 RRMM &amp; PWCS</td>
<td></td>
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<td></td>
<td>PWCS</td>
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<tr>
<td>34</td>
<td>PWCS</td>
<td></td>
<td>&quot;Upon written request by the Owner, Bidders shall provide within one or two business days from the date requested...&quot;</td>
<td></td>
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<td>35</td>
<td>PWCS</td>
<td></td>
<td>01010-1.2A contract documents date has been revised &quot;...Contract Documents prepared by RRMM Architects, PC, dated March 7, 2018; February 9, 2018.&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>PWCS</td>
<td></td>
<td>Aiphone specification and location on electrical drawings has been provided.</td>
<td></td>
<td></td>
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<tr>
<td>37</td>
<td>PWCS</td>
<td></td>
<td>There is no need to create any mechanical drawings, however mechanical inspections are required. - Donna Rubino, PWC GC is required to obtain a trade permit for the mechanical work.</td>
<td></td>
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</table>
GENERAL NEW WORK NOTES

1. REFER TO STOREFRONT AND WINDOW ELEVATIONS FOR ADDITIONAL DIMENSIONS AND OTHER INFORMATION THAT MAY NOT APPEAR ON PLANS.

2. PRIOR TO THE START OF WORK THE CONTRACTOR MUST VERIFY ALL OPENINGS AND DIMENSIONS TO A SURVEYOR PRIOR TO COMMENCEMENT WITH ACTUAL OPENINGS - DIMENSIONS MUST BE VERIFIED PRIOR TO FABRICATION OF STORRONT SYSTEM.

3. ALL BUILDING DIMENSIONS ARE APPROXIMATE (+/-). ALL FLOOR PLAN DIMENSIONS ARE TO FACE OF MASONRY OR FACE OF STUD PARTITION.

4. ALL STOREFRONT AND WINDOW OPENINGS MUST BE ACCURATE TO MATCH EXISTING.

5. PRIOR TO THE START OF WORK THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING STOREFRONT OPENINGS AND WINDOW OPENINGS.

6. INSTALL NEW BACKERBOARD AND CERAMIC WALL TILE ON ENTIRE WALL TO MATCH EXISTING.

BEGINNING AT BOUNDARY LINE OF MASONRY OR STUD PARTITION INSTALL NEW BACKERBOARD AND CERAMIC WALL TILE ON ENTIRE WALL TO MATCH EXISTING.

INSTALL NEW WALL OR SOFFIT MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DWGS MATCH EXISTING). PATCH EXISTING FLOORING AS REQUIRED TO PROVIDE A CROSSHATCH CARPET (SEE SPEC); VERTICAL HATCH FOR CERAMIC TILES TO NEW STRUCTURAL COLUMN, INFILL SLAB, METAL STUDS, BAT INSULATION, AND NEW BUILDING SIGNAGE MOUNTED ON EXISTING CERAMIC TILES AND CMU WALL.

INFILL EXISTING STOREFRONT OPENING WITH NEW STOREFRONT SYSTEM.

NOT TO SCALE

KEY PLAN

A101

5/18/2018 3:50:15 PM C:\Users\apignataro\Documents\17154-01 v18 Rippon MS - Central_apignataro.rvt

A1/32" = 1'-0"

12" ARIAL FONT

© LUKMIRE ARCHITECTS

15101 BLACKBURN RD, WOODBRIDGE, VA 22191

DESIGNED

MP / AP

DRAWN

1/18/2018

PHASE I - BID SET

3/27/2018

PHASE I - PERM SET

REVISIONS

-01
GENERAL NEW WORK NOTES

1. PRIOR TO THE START OF WORK THE CONTRACTOR MUST SUBMIT A BID TO THE OWNER FOR REPAIRS OR INSTALLATION OF NEW WINDOW SYSTEMS. CONDITIONS MUST BE DETERMINED PRIOR TO FABRICATION OF THE WINDOW SYSTEMS ON ALL PROJECTS.

2. ALL EXISTING WINDOWS ARE APPROVED FOR INSTALLATION. ALL ROOF PLAN DIMENSIONS ARE accurate TO THE DISCLAIMER OF SCALE ON ALL SHEETS.

3. ALL ITEMS NOT SPECIFICALLY IDENTIFIED FOR REMOVAL SHALL REMAIN.

4. REFER TO STOREFRONT AND WINDOW ELEVATIONS FOR ADDITIONAL DIMENSIONS.

5. ALL EXISTING LOAD BEARING METAL CURTAIN WALLS SHALL REMAIN. INFILL EXISTING RIBBON WINDOW OPENING WITH NEW STOREFRONT SYSTEM.

6. INFILL EXISTING PUNCHED WINDOW OPENING WITH NEW STOREFRONT SYSTEM.

7. INSTALL NEW BASE AND FLOOR FINISH IN ENTIRE ADMIN SUITE AS INDICATED BY: GWB, SEE DETAILS

8. INSTALL NEW WALL OR SOFFIT MOUNTED LIGHT FIXTURE, SEE ELEC DWGS

9. MATCH EXISTING). PATCH EXISTING FLOORING AS REQUIRED TO PROVIDE A CROSSHATCH CARPET (SEE SPEC); VERTICAL HATCH FOR CERAMIC TILE (TO INSTALL NEW BASE AND FLOOR FINISH IN ENTIRE ADMIN SUITE AS INDICATED BY: GWB, SEE DETAILS)

NEW WORK KEYNOTES

1. ALL EXISTING STOREFRONT OPENINGS MUST BE REPAIRED OR REPLACED. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY WEATHERTIGHT SYSTEMS WHERE EXISTING WINDOW SYSTEMS ARE REMOVED BY OWNER'S WORKSHOPS.

2. PROVIDE NEW TILE AND GRID TO MATCH EXISTING.

3. WORK SHALL BE REINSTALLED. IF TILE AND GRID IS DAMAGED, CONTRACTOR SHALL PROVIDE NEW STOREFRONT WINDOW SYSTEM.

4. INFILL EXISTING LOAD BEARING METAL CURTAIN WALL WITH NEW STOREFRONT SYSTEM.

5. INFILL EXISTING RIBBON WINDOW OPENING WITH NEW STOREFRONT SYSTEM.

6. INFILL EXISTING PUNCHED WINDOW OPENING WITH NEW STOREFRONT SYSTEM.

NOTE: NOT ALL KEYNOTES ARE USED ON EVERY SHEET.

NEW PLAN - 1ST FLOOR AREA H

NEW PLAN - 1ST FLOOR AREA E

NEW PLAN - 1ST FLOOR AREA G
GENERAL NEW WORK NOTES

11. REMOVE ALL EXISTING SASH AND WINDOW FRAMES IN EXISTING WINDOWS. ALL WINDOW FRAMES IN EXISTING WINDOWS MUST BE REMOVED PRIOR TO INSTALLATION OF STOREFRONT WINDOW SYSTEM.

12. PROTECT THE SURFACE OF THE CONSTRUCTION VOID IN EXISTING WINDOWS WITH A LAWFUL, MATT, NONSTICK MATERIAL APPROVED BY OWNER.

13. ALL EXISTING DIMENSIONS ARE APPROXIMATE (+/-). ALL EXISTING DIMENSIONS ARE TO BE VERIFIED PRIOR TO INSTALLATION OF STOREFRONT WINDOW SYSTEM.

14. ALL EXISTING DIMENSIONS ARE APPROXIMATE (+/-). ALL EXISTING DIMENSIONS ARE TO BE VERIFIED PRIOR TO INSTALLATION OF STOREFRONT WINDOW SYSTEM.

15. ALL EXISTING DIMENSIONS ARE APPROXIMATE (+/-). ALL EXISTING DIMENSIONS ARE TO BE VERIFIED PRIOR TO INSTALLATION OF STOREFRONT WINDOW SYSTEM.

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37. ALL EXISTING DIMENSIONS ARE APPROXIMATE (+/-). ALL EXISTING DIMENSIONS ARE TO BE VERIFIED PRIOR TO INSTALLATION OF STOREFRONT WINDOW SYSTEM.

38. ALL EXISTING DIMENSIONS ARE APPROXIMATE (+/-). ALL EXISTING DIMENSIONS ARE TO BE VERIFIED PRIOR TO INSTALLATION OF STOREFRONT WINDOW SYSTEM.

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1. **INSTALL FIXTURES AS INDICATED IN SAME LOCATION AS EXISTING FIXTURES REMOVED.** EXACT LOCATION OF FIXTURE SHALL BE COORDINATED WITH WALL PANEL SYSTEM.

2. **CONNECT ALL FIXTURES BEING INSTALLED TO EXISTING CIRCUIT RETAINED FROM FIXTURES REMOVED.**

3. **WHERE CANOPY FIXTURES ARE INSTALLED, PROVIDE A CUSTOM METAL PLATE, PAINTED TO MATCH EXISTING CANOPY.** ENTIRE CANOPY SHALL BE PAINTED IN EACH CASE WHERE CANOPY FIXTURES ARE INSTALLED.

4. **NECESSARY TO THE ASSOCIATED FIXTURE BEING INSTALLED IN THE METAL PANEL WALL SYSTEM AND CONNECTED ACCORDINGLY.**

5. **REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR FIXTURE MOUNTING HEIGHTS.**

6. **THAT THERE ARE NO GAPS OR OPEN SPACES GREATER THAN 1/8" AT THE EDGE OF THE JUNCTION BOX BEING INSTALLED TO SUPPORT AND CONNECT THE FIXTURE.** THE CUSTOM METAL PLATE SHALL BE INSTALLED AS A FINISH OF THE CANOPY AND SHALL IN NO WAY BE INTEGRAL TO THE FIXTURE.

7. **COMPLETED INSTALLATION COMPLIES FULLY WITH NEC 314.25 AND 410.22 SUCH THAT EXISTING JUNCTION BOX IS REMOVED (NOT LEFT UNCOVERED AND INACCESSIBLE) AND THE JUNCTION BOX BEING INSTALLED IS COVERED BY THE FIXTURE BEING INSTALLED AND IS GROUNDED AND SUPPORTED PROPERLY.**

8. **WHERE EXISTING RECESSED CANOPY LIGHT FIXTURES ARE REMOVED, THE EXISTING FIXTURE SHALL BE REMOVED COMPLETELY, INCLUDING LENS, MOUNTING CANOPY, BACKBOX, HOUSING, ETC. SUCH THAT THE CANOPY FIXTURES BEING INSTALLED ARE NOT RETROFIT INTO ANY EXISTING HOUSING, BACKBOX, OR SIMILAR EXISTING APPURTENANCE TO ENSURE COMPLIANCE WITH NEC 410.6.**

9. **REINSTALL THREE (3) EXISTING LIGHT FIXTURES PREVIOUSLY REMOVED.**

10. **REINSTALL ONE (1) LIGHT FIXTURE PREVIOUSLY REMOVED.**

11. **REINSTALL TWO (2) EXISTING LIGHT FIXTURES PREVIOUSLY REMOVED.**

12. **AIPHONE CALL STATION MOUNTED AT 48" TO TOP OF DEVICE.** CONDUIT PROVIDE AIPHONE MASTER CONTROL STATION AT A LOCATION DETERMINED IN THE FIELD BY THE OWNER. PROVIDE COMPLETE RACEWAY AND WIRING FROM THE AIPHONE HEAD-END IN RACK #1 IN SYSTEMS ROOM IN ADMINISTRATIVE AREA. PROVIDE LOW-AS SPECIFIED. CONNECT ELECTRIFIED HARDWARE TO EXISTING CIRCUIT CP4B SERVING ADMINISTRATION RECEPTION AREA.

13. **EXISTING ELECTRICAL BASEBOARD HEAT REINSTALLED.** CONNECT TO EXISTING CIRCUIT IN SAME LOCATION AFTER WINDOW WALL SYSTEM INSTALLATION IS COMPLETE.
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PART 1 - GENERAL

1.1 DEFINITIONS:

A. The Prince William County School Board, Manassas, Virginia shall be hereinafter called the "Owner", “PWCSB” or “PWCS”.

B. The name of the architectural or engineering firm is identified elsewhere within the Contract Documents. That firm shall be hereinafter called the "Architect", "Architect/Engineer", or "A/E".

C. Bidding Documents include requirements of the proposed Contract Documents. The Contract Documents consist of the Invitation for Bid (IFB), Instructions to Bidders, the Bid Form, other sample bidding and contract forms, the Form of Agreement Between the Owner and Contractor, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications and all Addenda issued prior to execution of the Contract.

D. Definitions set forth in the General Conditions of the Contract for Construction and/or in other sections of the Contract Documents are applicable.

E. “Addenda” are written or graphic instruments issued by the Architect and/or Owner prior to the execution of the Contract, which modify or interpret the Bidding Documents by additions, deletions, clarifications or corrections.

F. A “Bid” is a complete and properly signed Bid Form to the IFB to do The Work for the sums stipulated therein, submitted in accordance with the Bidding Documents.

G. The “Base Bid” is the sum stated in the bid for which the Bidder offers to perform The Work described in the Bidding Documents.

H. A “Cost Item”, if any, is an amount stated in the bid for a portion of the work that may be deducted from the amount of the Base Bid if the corresponding change in The Work, as described in the Bidding Documents, is in the best interest of the Owner.

I. A “Unit Price” is an amount stated in the bid as a price per unit of measurement for materials, equipment or services, or a portion of The Work as described in the Bidding Documents.

J. A “Bidder” (General Contractor) is a person or entity who submits a bid.

K. A “Sub-bidder” is a person or entity who submits a bid to a Bidder (General Contractor) for materials, equipment, or labor for a portion of The Work.

L. The term “his” or “he” is not to be construed as reference to gender but is intended to reference within the content of text a particular entity.

1.2 AUTHORITY:

A. The Supervisor of Purchasing has the sole responsibility and authority for issuance of
invitation for bid, negotiations, placing and modifying invitations, requests, purchase orders and awards issued by and for the County School Board of Prince William County. In the discharge of these responsibilities, the Supervisor of Purchasing may be assisted by delegating to Buyers and other Purchasing Office staff. No other School Board officers or employee is authorized to enter into purchase negotiations, change orders, contracts, or in any way obligate the School Board for an indebtedness. Any purchase ordered or contract made which is contrary to these provisions and authorities shall be of no effect and void, and the School Board shall not be bound thereby.

1.3 AUTHORITY TO TRANSACT BUSINESS IN THE COMMONWEALTH OF VIRGINIA:

A. Any Bidder registered or organized as a stock or nonstock corporation, limited liability company, business trust, or limited partnership or a registered limited liability partnership shall be authorized to transact business in the Commonwealth of Virginia as a domestic or foreign business entity as described in the Virginia Public Procurement Act § 2.2-4311.2. The proper legal name of the firm or entity, form of the firm (i.e. corporation, limited partnership, etc) and the identification number issued to the Bidder by the State Corporation Commission must be written in the space provided on the Bid Form, Document 00300. Any Bidder not required to be authorized to transact business in the Commonwealth of Virginia shall include in its bid a statement/documentation from their legal counsel describing why the Bidder is not required to be registered. Failure of a prospective and/or successful Bidder to provide such documentation shall be grounds for rejection of their bid. For further information refer to the Commonwealth of Virginia State Corporation Commission website at: www.scc.virginia.gov. Any falsification or misrepresentation contained in the statement submitted by the Bidder pursuant to the VPPA § 2.2-4311.2., Code of Virginia Title 13.1 or Title 50 may be cause for debarment by PWCS.

1.4 BIDDING DOCUMENTS (PROJECT MANUAL AND DRAWINGS):

A. The Project Manual contains bidding information, conditions of the contract, specifications, etc.

B. Drawings represent graphic form information, and are divided into drawing sheets showing plan layout elevations, details, schedules, etc...

C. One complete set of Bidding Documents is comprised of:
   1. Project Manual
   2. Drawings
   3. Any and all addenda issued during bidding phase prior to bid opening.

D. In making copies of the Bidding Documents available to the Bidders on the terms outlined in the Invitation to Bid, the Owner and the Architect do so only for the purpose of obtaining bids on The Work and do not confer a license or grant permission for any other use or reproduction of the Bidding Documents.
1.5 PRE-BID CONFERENCE:

A. An optional or mandatory pre-bid conference will be held at the date and hour as indicated in the “Invitation for Bid”. The purpose of this conference is to allow potential bidders an opportunity to discuss with the Architect and Owner any questions they may have as to the intent of the Bidding Documents, procedures, alternate construction methods, etc. An addendum will be issued to all Document Holders of Record on any approved changes or additions to the Bidding Documents as a result of the conference. Subcontractors and material suppliers are encouraged to attend the pre-bid conference.

Attendance at an optional pre-bid conference will not be a prerequisite to submitting a bid. Bidders who intend to submit a bid are encouraged to attend. Bring a copy of the solicitation with you.

B. Attendance at a mandatory pre-bid conference shall be a prerequisite to submitting a bid. Bids shall not be accepted from bidders who have not attended.

1.6 INCLEMENT WEATHER:

A. Due to inclement weather conditions, PWCS may elect to close schools and administration offices. The following is an explanation of the policy:

1. CODE GREEN: All Prince William County Public Schools are closed. Employees must report to work on time. Administration offices are opened.

2. CODE RED: All Prince William County Public Schools are closed. Employees do not report to work. Administration offices are closed.

B. In the event of a delay school opening, all times shall remain as stated in the Bidding Documents.

C. In the event that PWCS close on a CODE GREEN, any Optional/Mandatory Pre-Bid Conference and all bid openings will be held as scheduled.

D. In the event that PWCS close on a CODE RED, any Optional/Mandatory Pre-Bid Conference and all Bid Openings will be held on the next business day that PWCS experiences a normal opening, a delayed opening, or a school closing on a CODE GREEN, at the time previously scheduled. No exceptions will be made in this matter.

1.7 ADDENDA:

A. Addenda will be mailed or delivered to all who are known by the issuing office to have received a complete set of Bidding Documents. In addition, Addenda (excluding drawings) will be posted on the PWCS website at http://purchasing.departments.pwcs.edu/. Prior to bid submission, Bidders are responsible for checking this website to ensure their receipt and awareness of all Addenda. Bidding Prime Contractors shall be responsible for distributing addenda information to subcontractors and material suppliers. Extra costs will not be allowed for failure of Prime Contractors to properly distribute addenda or any bidding information.
B. Copies of Addenda will be made available for inspection wherever Bidding Documents
are on file for that purpose.

C. No Addenda will be issued later than four (4) days prior to the date for receipt of bids,
except for the following:

1. An Addendum withdrawing the Invitation for Bids

2. An Addendum which includes postponement of the date for receipt of bids.

3. An Addendum issued to and acknowledged by all holders of bidding documents who
were present at the mandatory (if required) pre bidding conference.

D. EACH BIDDER SHALL VERIFY, PRIOR TO SUBMITTING A BID THAT THE BIDDER
HAS RECEIVED ALL ADDENDA ISSUED AND THE BIDDER SHALL ACKNOWLEDGE
THEIR RECEIPT IN THE BID.

1.8 INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS:

A. The Bidder shall carefully study, examine, and compare the Bidding Documents. The
Bidder shall compare the Bidding Documents with other work being bid concurrently or
presently under construction, to the extent that it relates to The Work for which this bid is
submitted. The Bidder shall examine the site and local conditions. The Bidder shall at
once report to the Architect errors, inconsistencies or ambiguities discovered.

B. Bidders requiring clarification or interpretation of the Bidding Documents shall make a
request at the Pre-bid Conference or make a written request which shall reach the
Architect at least seven (7) days prior to the date for the receipt of bids.

C. Interpretations, corrections and changes of the Bidding Documents will be made by
Addendum. Interpretations, corrections and changes of the Bidding Documents made in
any other manner will not be binding, and Bidders shall not rely upon them.

1.9 MATERIALS AND EQUIPMENT SUBSTITUTION:

A. The materials, products and equipment described in the Bidding Documents establish a
standard of required function, dimension, appearance and quality to be met by any
proposed substitution.

B. Substitutions for specified materials and equipment will be considered only if written
request for approval has been received by the Architect at least ten (10) days prior to the
date for receipt of bids and such requests fully conforms with and includes the following:

1. Name of the material or equipment for which the proposed item is to be substituted.

2. Provide a complete description of the proposed substitution including drawings,
performance and test data and all other information deemed necessary by the
Architect for an evaluation.

3. General product literature containing other information in addition to the proposed
substitution shall be clearly marked to show the applicable information.

4. A statement setting forth changes in other materials, equipment or other portions of The Work, including changes in The Work of other contracts that incorporation of the proposed substitution would require.

C. The Architect's decision of approval or disapproval of a proposed substitution shall be final, without justification to the proposer.

D. If the Architect approves a proposed substitution prior to receipt of bids, such approval will be acknowledged in an Addendum. Bidders shall not rely upon approvals made in any other manner.

1.10 COMPLETENESS OF BIDS:

A. The bid is based upon the conditions, materials, equipment, and systems required by the Bidding Documents, without exception.

B. Bidders shall visit the site and inform themselves of conditions under which The Work is to be performed, structure of the ground, obstacles that may be encountered, location and availability of utilities and facilities, and other relevant matters concerning The Work to be done.

C. Each Bidder submitting a bid for this project is required to have at least one full complete set of Bidding Documents, and to provide all work shown and specified.

D. Each Bidder shall be responsible for completely and thoroughly examining the full complete set of Bidding Documents and for providing all work shown and specified.

E. No allowance shall be subsequently made on behalf of any Bidder by reason of any error or oversight on its part resulting from its failure to examine the conditions of the construction site and all requirements of the Bidding Documents.

1.11 RECEIPT OF BIDS:

A. Bids shall be received by the designated date, hour, location indicated in the “Invitation for Bid” either personally hand delivered or mailed.

1. The official time used in the receipt of bid is that time on the automatic time stamp machine in the Purchasing Office. Bids received in the Purchasing Office after the date and hour designated are non-responsive, automatically disqualified and will not be considered. PWCS is not responsible for delays in the delivery of mail by the U.S. Postal Service, private couriers, or the intra-school mail system. It is the sole responsibility of the Bidders to ensure that his bid reaches the Purchasing Office by the designated date and hour.

2. Bids shall be submitted within a sealed envelope and marked "Bid" and bear the name of the Contractor, IFB # and project title. Bids will not be accepted if any add/deduct amounts are written on the outside of the envelope or inserted in the sealed envelope. No responsibility shall be attached to the Owner for the premature opening of a bid not properly addressed and identified. No electronic, facsimile
machine or telephone bids will be considered.

3. The bid shall be submitted on one original PWCS Bid Form included with the bid submission. All blanks on the Bid Form shall be filled in by typewriter or manually in ink. Where so indicated by the makeup of the Bid Form, sums shall be expressed in both words and figures, and in case of discrepancy between the two, the amount written in words shall govern. Bidders will be declared nonresponsive if the bid is submitted on something other than the PWCS Bid Form.

4. Bidder shall acknowledge on the Bid Form, receipt of all Addenda issued.

5. All requested “Cost Items”, if any, shall be bid.

ANY BID SUBMITTAL, WHICH FAILS TO COMPLY WITH THE FOREGOING SUBMISSION REQUIREMENTS, SHALL BE CONSIDERED NON-RESPONSIVE AND WILL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES.

1.12 SIGNATURE AND AUTHORITY REQUIREMENTS:

A. All Signatures must be in longhand, executed by a principal duly authorized to make contracts, with Bidder's legal name fully stated.

B. Those bids, which are not signed by individuals making them, shall have attached thereto a power of attorney evidencing authority to sign the bid in the name of the person for whom it is signed.

C. Those bids, which are signed for a partnership, shall be signed by all of the partners, or by an attorney-in-fact. If signed by an attorney-in-fact there shall be attached with the bid a power of attorney evidencing authority to sign the bid executed by the partners.

D. Those bids which are signed for a corporation shall have the correct name thereof, and the signature of the president, or other authorized officer of the corporation and secretary, manually written below the corporate name following the word "By ____,", and shall have affixed the corporate seal. If such bid is manually signed by an official other than the president of the corporation, a certified copy of the resolution of the board of directors evidencing the authority of such official to sign the bid shall be attached to it.

1.13 CONTRACTORS VIRGINIA REGISTRATION:

A. Contractor’s License Requirements:

Bidders shall have appropriate valid contractor licenses prior to submitting a bid. Bidders shall comply with the following: if a contract for construction, removal, repair or improvement of a building or other real property is for One Hundred Twenty Thousand Dollars ($120,000) or more, or if the total value of all such contracts undertaken by Bidder within any twelve month period is Seven Hundred Fifty Thousand Dollars ($750,000) or more, the Bidder is required under Title 54.1-1100, Code of Virginia (1950), as amended, to be licensed by the State Board of Contractors as a “CLASS A CONTRACTOR”. The Bidder shall place on the Bid Form the Contractor’s License Number and Specialty.
B. Failure of the Bidder to meet the above requirements shall be cause for rejecting the bid.

1.14 BID BOND:

A. The bid must be accompanied by a bid bond guaranty for not less than five percent (5%) of the Base Bid, which at the option of the Bidder, may be certified check, or a Bid Bond attached to the Bid Form. Bid Bond shall be payable to the Owner, fully executed by the Bidder and an acceptable surety company legally authorized to do business in Virginia. If a Bid Bond is provided, it shall be written on a document with information similar to that shown on AIA Document A310, Bid Bond, and the attorney-in-fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of the power of attorney.

B. No bid will be considered unless it is so guaranteed. Cash deposits will not be accepted. In the event the Bidder withdraws the bid or fails to execute a satisfactory Contract and furnish a satisfactory Performance Bond and Labor and Material Payment Bond for one hundred percent (100%) of the Contract amount within ten (10) days after a Contract has been awarded to such a Bidder by the Owner, said Owner may declare such certified check or Bid Bond forfeited to the Owner for extra costs incurred by reason of delay of the project and obtaining acceptable prices from another Bidder.

1.15 BIDDER QUALIFICATION SUBMITTALS:

Upon written request by the Owner, Bidders shall provide within one or two business days from the date requested, in an envelope marked with the Bidder's name and Bid Number, the following:

1. A fully completed, signed and notarized AIA Document A305 (electronic format), Contractor's Qualification Statement, 1986 Edition (modified) (copy herein). To include three (3) years of audited financial statements.

2. A fully completed and signed Certificate of Compliance document (copy herein).

3. A written statement with corroborating documentation as confirmation the Bidder has completed work, which demonstrates his capabilities to meet time deadlines for comparable sized and similar type projects. (Bidder shall include his three most recently completed projects, which are most relevant.)


5. Failure of the Bidder to comply with and/or meet the above requirements may, in the Owner's sole opinion, be cause for rejecting the bid.

6. The above requirements may be waived by the Owner if the Bidder has successfully performed a comparable contract for the Owner with an equal or greater cost within the past three years.

B. The Owner may make such reasonable investigations as deemed proper and necessary to determine the ability of the Bidder to perform the work/furnish the item(s) and the Bidder shall furnish to the Owner all such information and data for this purpose as may be requested. The Owner reserves the right to inspect the Bidder's physical facilities.
prior to award to satisfy questions regarding the Bidder's capabilities. The Owner further reserves the right to reject any bid if the evidence submitted by, or investigations of, such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the contract and to complete the work/furnish the item(s) contemplated therein. All bidder qualification requirements are subject to written request from the Owner at any time.

C. Trade secrets or proprietary information submitted by a Bidder or Contractor in connection with a procurement transaction shall not be subject to public disclosure under the Virginia Freedom of Information Act, if the Bidder or Contractor invokes the protection of this section prior to, or upon, submission of the data or other materials, identifies the data or other materials to be protected, and states the reasons why protection is necessary.

1.16 CERTIFICATE OF COMPLIANCE:

A. By signing and submitting a bid, the Bidder agrees that as a condition for providing the services required under this contract to certify that neither the Bidder nor any employee(s) assigned to perform the services in the presence of students during regular school hours or school sponsored activities have been convicted of a felony or any offense involving sexual molestation or physical or sexual abuse or rape of a child; or a crime of moral turpitude. The successful Bidder agrees to fully document and provide this Certificate of Compliance form (copy herein) prior to contract award.

1.17 ACCEPTANCE OF BIDS:

A. Unless otherwise specified in the IFB, all formal bids submitted shall be binding for sixty (60) calendar days following bid opening date, unless extended by mutual consent of all parties.

1.18 WITHDRAWAL OF BIDS:

A. Withdrawal of bids after the bid opening is governed by Virginia Code §2.2-4330. The Bidder shall give notice in writing of his claim of right to withdraw his bid within two (2) business days after the conclusion of the bid opening procedure and shall submit original work papers with such notice.

B. Prior to the time and date designated for receipt of bids, a bid submitted may be modified or withdrawn by notice to the Owner at the place designated for receipt of bids. Such notice shall be in writing over the signature of the Bidder.

1. Bids withdrawn before the bid opening may be resubmitted up to the date and time designated for the receipt of bids provided that they are then fully in conformance with these Instructions to Bidders.

2. Bid security shall be in an amount sufficient for the bid as modified or resubmitted.

1.19 AWARD:

A. The award of the contract is located in Document 00300, Bid Form.
1.20 CONTRACT FORMS:

A. The form of agreement between Owner and Contractor will be executed on AIA Form 101 "Standard Form of Agreement Between Owner and Contractor" 2007 Edition, as modified.

1.21 PERFORMANCE AND PAYMENT BONDS:

A. Upon notice of Award of the Contract, the Bidder/Contractor shall within ten (10) days furnish to the Owner, Performance and Payment Bonds on AIA Document A311.

1. A Performance Bond in the sum of the Contract amount, conditioned upon the faithful performance of the Contract in strict conformity with the plans, specifications, and conditions of the Contract.

2. A Labor and Material Payment Bond in the sum of the Contract amount. Such Bond shall be for the protection of claimants who have and fulfill contracts to supply labor or materials to the prime contractor to whom the Contract was awarded, or to any subcontractor, in the prosecution of the work provided for in such Contract, and shall be conditioned upon the prompt payment for all such material furnished or labor supplied or performed in the prosecution of the work. "Labor or materials" shall include public utility services and reasonable rental of equipment, but only for periods when the equipment rented is actually used at the site.

B. Each of such Bonds shall be executed by one or more surety companies selected by the Contractor, which are legally authorized to do business in Virginia.

C. The Contractor shall require the attorney-in-fact who executes the required Bonds on behalf of the surety, to affix thereto a certified and current copy of the power of attorney.

D. Acceptance of Bonds furnished shall be subject to the review and approval of the School Board attorney. The cost of such Bonds shall be included in the bid.

1.22 PROTEST OF AWARD OR DECISION TO AWARD:

A. Any Bidder may protest the award, or decision to award a Contract, by submitting such protest in writing, to the Supervisor of Purchasing, no later than ten (10) days after public notice of the award or the announcement of the decision to award, whichever occurs first. No protest shall lie for a claim that the selected Bidder is not a responsible Bidder.

B. The written protest shall include the basis for the protest and the relief sought. The Supervisor of Purchasing shall issue a decision in writing within ten (10) days after receipt of the protest stating the reasons for the action taken. This decision shall be final except for the alternative of instituting legal action provided in the Code of Virginia.

C. If prior to award it is determined that the decision to award is arbitrary or capricious then the sole relief shall be a finding to that effect. The Supervisor of Purchasing shall cancel the proposed award or revise it to comply with the law. If, after an award, it is determined that an award of a contract was arbitrary or capricious, then the sole relief shall be as hereinafter provided. Where the award has been made but performance has not begun, the performance of the contract may be declared void by the Owner. Where the award
has been made and performance has begun, the Supervisor of Purchasing may declare the contract void upon a finding that this action is in the best interest of the Owner. Where a contract is declared void, the performing Contractor shall be compensated for the cost of performance up to the time of such declaration. In no event shall the performing Contractor be entitled to lost profits.

D. Pending final determination of a protest or appeal, the validity of a contract awarded and accepted in good faith in accordance with this paragraph shall not be affected by the fact that a protest or appeal has been filed.

E. An award need not be delayed for the period allowed a Bidder to protest, but in the event of a timely protest, no further action to award the contract will be taken unless there is a written determination that proceeding without delay is necessary to protect the public interest or unless the offer would expire.

1.23 ANTITRUST:

A. By entering into a contract, the Contractor conveys, sells, assigns, and transfers to the Owner all rights, title and interest in and to all causes of the action it may now have or hereafter acquire under the antitrust laws of the United States and the Commonwealth of Virginia, relating to the particular goods or services purchased or acquired by the Owner under said contract.

1.24 ANTI-DISCRIMINATION:

A. The Prince William County School Division does not discriminate in employment or in its educational programs and activities against qualified individuals with disabilities, nor on the basis of age, gender, race, color, religion, or national origin.

B. By submitting their bid, the Bidder certifies to the Owner that he will conform to the provisions of the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Act of 1975, as amended, where applicable, the Virginians with Disabilities Act, and Section 2.2-4311 of the Virginia Public Procurement Act (VPPA). If the award is made to a faith-based organization, the organization shall not discriminate against any recipient of goods, services, or disbursements made pursuant to the contract on the basis of the recipient's religion, religious belief, refusal to participate in a religious practice, or on the basis of race, age, color, gender or national origin and shall be subject to the same rules as other organizations that contract with public bodies to account for the use of the funds provided; however, if the faith-based organization segregates public funds into separate accounts, only the accounts and programs funded with public funds shall be subject to audit by the public body. (Code of Virginia, §2.2-4343.1)

In every contract of $10,000 the provisions in paragraph 1 and 2 below shall apply:

1. During the performance of this Contract, the Contractor agrees as follows:

   a. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, sex, color, or national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment, except where there is a bonafide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor
agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

b. The Contractor, in all solicitations or advertisements for employees placed by, or on behalf of the Contractor, will state that such Contractor is an equal opportunity employer.

c. Notices, advertisements and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

2. The Contractor will include the provision of the foregoing paragraphs (a), (b), and (c) in every subcontract or purchase order of over $10,000, so that the provisions will be binding upon each subcontractor or vendor.

1.25 **ASSIGNMENT OF THE CONTRACT:**

A. The contract shall not be assigned to others by the Contractor in whole or in part without the written consent of PWCS.

B. Should PWCS allow a contract be assigned, no portion of the assigned contract shall be subcontracted or otherwise performed by a party other than the assigned Contractor without the prior written consent of the Owner. The Owner shall have the sole discretion to accept or reject prospective subcontractors and assignees.

1.26 **AUDIT OF RECORDS:**

A. The School Board reserves the right to perform or have performed an audit of the records of the Contractor for any contract which is a services type contract. The Contractor shall make all records available for audit within a reasonable time.

1.27 **CONVENANT AGAINST CONTINGENT FEES:**

A. The Contractor warrants that no person or selling agent has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business. For violation of this warranty, the School Board shall have the right to terminate or suspend this contract without liability to the School Board or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such commission percentage, brokerage, or contingent fee.

1.28 **DEBARMENT STATUS:**

A. By submitting their bid, the Bidder certifies that he is not currently debarred by any public body in the Commonwealth of Virginia, or PWCS from submitting bids on contracts for the type of goods and/or services covered by this solicitation, nor is the Bidder an agent of any person or entity that is currently so debarred.
1.29 **DRUG-FREE WORKPLACE:**
A. By submitting their bid, the Bidder shall in accordance with Section 2.2-4312 of the Virginia Public Procurement Act agree to maintain a drug-free workplace as follows:

1. In every contract over $10,000 the provisions below applies:

2. During the performance of this contract, the Contractor agrees as follows:

   a. Provide a drug-free workplace for the Contractor’s employees.

   b. Post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Contractor’s workplace and specifying the actions that will be taken against employees for violations of such prohibition.

   c. State in all solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace.

   d. Include the provisions of the foregoing clauses in every subcontract or purchase order over $10,000, so that the provisions will be binding upon each subcontractor or vendor.

B. For the purposes of this section, “drug-free workplace” means a site for the performance of work done in connection with a specific contract awarded to a Contractor, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

1.30 **ETHICS IN PUBLIC CONTRACTING:**

A. By submitting their bid, Bidders certify that their bid is made without collusion or fraud and that they have not offered or received any kickbacks or inducements from any other Bidder, supplier, manufacturer or subcontractor in connection with their bid, and that they have not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised unless consideration of substantially equal or greater value was exchanged.

1.31 **EXHAUSTION OF ADMINISTRATIVE REMEDIES:**

A. No potential Bidder, Bidder or Contractor shall institute any legal action until all administrative remedies available under this solicitation and resulting contract have been exhausted and until all statutory requirements have been met.

1.32 **IMMIGRATION REFORM AND CONTROL ACT OF 1986:**

A. By submitting their bid, Bidders certify that they do not and will not during the performance of this contract employ illegal alien workers or otherwise violate the provisions of the federal Immigration Reform and Control Act of 1986.
1.33 **INDEMNIFICATION:**

A. Contractor shall indemnify, keep and save harmless PWCS, its agents, officials, employees and volunteers against claims of injuries, death, damage to property, patent claims, suits, liabilities, judgments, cost and expenses which may otherwise accrue against PWCS in consequence of the granting of a contract or which may otherwise result therefrom, if the act was caused through negligence, error, omission, or reckless or intentional misconduct (or, in the case of intellectual property rights, by any act done without proper permission) of the Contractor or his or her employees, or that of the subcontractor or his or her employees, if any; and the Contractor shall, at his or her own expense, appear, defend and pay all charges of attorneys and all costs and other expenses arising therefrom or incurred in connection therewith; and if any judgment shall be rendered against PWCS in any such action, the Contractor shall, at his or her own expense, satisfy and discharge the same. Contractor expressly understands and agrees that any performance bond or insurance protection required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend PWCS as herein provided.

1.34 **LEGAL ACTIONS:**

A. This solicitation and any resulting contractual award shall be governed by the laws of the Commonwealth of Virginia, including but not limited to the Code of Virginia, Title 2.2, Chapter 43, Virginia Public Procurement Act, and litigation initiated by any party with respect thereto shall be limited to the courts of Prince William County, Virginia. The Contractor shall comply with all applicable federal, state and local laws and regulations, and be legally authorized to do business in the Commonwealth of Virginia.

1.35 **NON-DISCRIMINATION OF CONTRACTORS:**

A. Any potential Bidder/Offerer or Contractor shall not be discriminated against in the solicitation or award of this contract because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment. Faith-based organizations are also protected from discrimination on the basis of religious character as provided below.

1. Faith-based organizations may enter into contracts with PWCS on the same basis as any other nongovernmental source may do so without impairing the religious character of such organization and without diminishing the religious freedom of the beneficiaries of assistance provided under such contracts.

2. PWCS shall not impose conditions on contracts that restrict the religious character of the faith-based organization, except that money paid to the faith-based organization by or on behalf of PWCS will not be spent for religious worship, instruction, or proselytizing.

3. Any faith-based organization awarded a contract by PWCS shall not discriminate against any recipient of goods, services, or disbursements made pursuant to the contract on the basis of the recipient’s religion, religious belief, refusal to participate in a religious practice, or on the basis of race, age, color, gender or national origin and shall be subject to the same rules as other organizations that contract with public bodies to account for the use of the funds provided; however, if the faith-based
organization segregates public funds into separate accounts, only the accounts and programs funded with public funds shall be subject to audit by PWCS.

4. Faith-based organizations retain the right to employ persons of a particular religion to perform work connected with the carrying on by such organization of its activities.

5. If an award of contract is made to a faith-based organization, and an individual who applies for or receives goods, services, or disbursements provided pursuant to this contract objects to the religious character of the faith-based organization from which the individual receives or would receive the goods, services, or disbursements, PWCS shall offer the individual, within a reasonable period of time after the date of objection, access to equivalent goods, services, or disbursement from an alternative provider.

6. Any faith-based organization that is awarded a contract to provide goods, services, or disbursements to individuals shall also provide to such individuals a notice in bold face type that states: “Neither the public body’s selection of a charitable or faith-based provider of services nor the expenditure of funds under this contract is an endorsement of the provider’s charitable or religious character, practices, or expression. No provider of services may discriminate against you on the basis of religion, a religious belief, or your refusal to actively participate in a religious practice. If you object to a particular provider because of its religious character, you may request assignment to a different provider. If you believe that your rights have been violated, please discuss the complaint with your provider.

1.36 OFFICIAL NOT TO BENEFIT:

A. Each Bidder shall certify upon signing a bid that to the best of his knowledge no official or employee of the Owner, having official responsibility for the procurement transaction or member of his immediate family, has received or will receive any financial benefit of more than nominal or minimal value relating to the award of this contract. If such a benefit has been received or will be received, this fact shall be disclosed with the bid or as soon thereafter as it appears that such a benefit will be received. Failure to disclose the information prescribed above may result in suspension or debarment or recession of the contract made or could affect payment pursuant to the terms of the contract.

B. Whenever there is reason to believe that benefit of the sort described in paragraph A above has been or will be received in connection with the bid or contract and that the Contractor has failed to disclose such benefit or has inadequately disclosed it, the Owner, as a prerequisite to payment pursuant to the Contractor, or at any time require the Contractor to furnish, under oath, answers to any interrogatories related to such possible benefit.

C. In the event the Bidder has knowledge of benefits as outlined above, this information should be submitted with the bid. If the above does not apply at the time of award of contract and becomes known after inception of a contract, the Bidder shall address the disclosure of such fact to: Supervisor of Purchasing, Prince William County Public Schools, P.O. Box 389, Manassas, VA, 20108. The Invitation For Bids Number shall be referenced in the disclosure.
1.37 SMALL AND MINORITY BUSINESS ENTERPRISES:

A. It is the policy of the Owner to undertake every effort to increase opportunity for utilization of small and minority businesses in all aspects of procurement to the maximum extent feasible. In connection with the performance of this contract, the Contractor agrees to use their best effort to carry out this policy and insure that Small and Minority Businesses shall have the maximum practicable opportunity to compete for subcontract work under this contract consistent with the efficient performance of this contract.

B. Contractors may rely on oral or written representation by subcontractors regarding their status as small and/or minority business enterprises in lieu of independent investigation.

C. Where Federal grants or monies are involved, it is the policy of the School Board through its agents and employees to comply with the requirements set forth in the Standards governing State and Local Grantee Procurement of the U.S. Office of Management and Budget Circular No. A-102, Uniform Administrative Requirements for Grant-in-Aid to State and Local Governments, as they pertain to small and minority business utilization.

1.38 VIRGINIA CONFLICTS OF INTEREST & PUBLIC PROCUREMENT:

A. This solicitation is subject to the provisions of Section 2.1-639, et seq., of the Code of Virginia (1950), as amended, (The Code), the Virginia State and Local Government Conflict of Interests Act, and Sections 2.2-4300 et seq. of the Code, the Virginia Public Procurement Act.

B. If the Bidder is aware of any information bearing on the existence of any potential conflicts of interest or violation or ethics in public contracting, it shall disclose that information with its Bid.

1.39 VIRGINIA FREEDOM OF INFORMATION ACT:

A. Except as provided herein, all proceedings, records, contracts and other public records relating to procurement transactions shall be open to the inspection of any Commonwealth of Virginia citizen, or any interested person, firm or corporation, in accordance with the Virginia Freedom of Information Act.
   1. Cost estimates relating to a proposed transaction prepared by or for a public body shall not be open to public inspection.

   2. Any Bidder, upon request shall be afforded the opportunity to inspect bid records within a reasonable time after the opening/receipt of all bids, but prior to award, except in the event that PWCS decides not to accept any of the bids and to re-solicit. Otherwise bid records shall be open to public inspection only after award of the contract. Any inspection of procurement transaction records under this section shall be subject to reasonable restrictions to ensure the security and integrity of the records.

   3. Trade secrets or proprietary information submitted by any Bidder or Contractor in connection with a procurement transaction shall not be subject to public disclosure under the Virginia Freedom of Information Act, however, the Bidder or Contractor must invoke the protection of this section in writing prior to or upon submission of the
data or other materials, and must identify the data or other materials to be protected, and stating the reasons why protection is necessary.
CERTIFICATE OF COMPLIANCE

Code of Virginia §22.1-296.1

As a condition of contract award, Contractor/Vendor providing contracted services requiring direct contact with students on school property during regular school hours or school-sponsored activities shall execute this document certifying that neither the Contractor nor any employee of the Contractor has been convicted of a felony or any offense involving the sexual molestation, physical or sexual abuse or rape of a child. This certification shall be binding upon the Contractor and their employees providing services throughout the term of the contract or purchase order, including any extensions or renewals.

Contractor/Vendor acknowledges that, pursuant to the Code of Virginia §22.1-296.1 (A), any person making a materially false statement on this certification, shall be guilty of a Class 1 misdemeanor, and upon conviction, the fact of such conviction shall be grounds for revocation of the contract or purchase order.

Company Name

Purchase Order/Contract/Solicitation #

Company Address

Company Phone Number

Print Name of Authorized Representative

Authorized Representative Title

Authorized Representative Signature

Date

END OF DOCUMENT 00100
PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

A. Drawings and General Provisions of the Contract, including General and Supplementary Conditions, and other sections of Division 1, General Requirements of these Specifications, apply to The Work specified in this section.

1.2 PROJECT DESCRIPTION:

A. The Project consists of window replacement at Rippon Middle School and related site work on Rippon Middle School as shown on Contract Documents prepared by RRMM Architects, PC, dated March 7, 2018.

B. The Work generally consists of the removal of existing storefront windows and hollow metal door assemblies in their entirety and replaced with new aluminum ribbon window assemblies and structural storefront assemblies. Work also includes limited interior finishes, Electrical, Mechanical and Structural elements (concrete pier footings, steel columns and beams). Equipment, furniture and furnishings indicated shall be provided by The Contractor unless noted otherwise. **Responsibility for maintenance of existing erosion control devices, if provided under a separate contract, is included.** The work shall be in accordance with the following schedule:

- May 3, 2018 - Issue Notice of Contract Award to Contractor
- May 30, 2018 - Submittals Complete (Phase 1 & 2)
- August 10, 2018 - Substantial Completion – Phase 1
- August 12, 2019 - Substantial Completion – Phase 2
- Sept. 30, 2018 - Final Completion – Phase 1 – (All punch list items completed.)
- Sept. 30, 2019 - Final Completion - Phase 2 - (All punch list items completed.)

The work described above may be considered part of the total project. Separate contracts and/or work by the Owner's forces may supplement the work of this Contract to produce a completed facility for the Owner's use.

C. The Base Bid includes all work shown and specified including work described in the Cost Items.

D. COST ITEMS: (Cost Items may or may not be included for this project.)

1. **Definition:** A Cost Item is an amount proposed by bidders and stated on the Bid Form for a portion of the work that may be deducted from the amount of the base bid if the Owner determines it is in his best interest to accept the corresponding change in either the amount of construction to be completed, or in the products, materials, equipment, systems or installation methods described in Contract Documents.

2. **Coordination:** Coordinate related Work and modify or adjust adjacent Work as necessary to ensure that Work affected by each accepted Cost Item is complete and fully integrated into the project.
3. Notification: Immediately following the award of the Contract, prepare and distribute to each party involved, notification of the status of each Cost Item. Indicate whether Cost Items have been accepted. Include a complete description of any negotiated modifications to any Cost Items.

4. Schedule of Cost Items: NOT USED IN THIS PROJECT

E. ALLOWANCES:

Selected materials and equipment, and in some cases their installation, are shown and specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when additional information is available for evaluation. Additional requirements, if necessary, will be issued by Change Order.

1. An Allowance of Two-Hundred Fifty Thousand Dollars ($250,000.00) has been established as a project contingency. For bidding purposes the total amount shall be included in the Base Bid in accordance with Paragraph 3.8 of the General Conditions modified as follows: Revise Paragraph 3.8.2.2 to read “... Contractor’s costs for labor and installation will be allowed within the allowance. Costs for overhead, profit and other expenses contemplated for stated allowance amount shall be included in the Contract sum but not in the allowance.”

2. An Allowance of Twenty Five Thousand Dollars ($25,000.00) has been established for obtaining the building permit only. For bidding purposes, the total amount shall be included in the Base Bid in accordance with Paragraph 3.8 of the General Conditions. (All other permits and/or fees shall be included in the Base Bid.)

F. UNIT PRICES: - NOT USED IN THIS PROJECT

A unit price is an amount stated on the Bid Form as a price per unit of measurement for materials or services that will be added to, or deducted from, the Contract sum by Change Order in the event the quantities of Work required by the Contract Documents are increased or decreased. Unit prices include all material and labor, overhead, profit and applicable taxes. Unit prices for the units of Work described below are stated on the Bid Form and shall be used.

1. Machine undercut of mass unsuitable earth. Includes excavation of unsuitable material below required cut elevation. Disposal, placement and compaction of unsuitable material shall be on-site. On-site disposal shall be in a location and manner acceptable to the Owner as part of this unit price. Unit of work shall be per cubic yard.
2. **Machine undercut of trench unsuitable earth (site).** Includes excavation of unsuitable material below required cut elevation of trench. Disposal, placement and compaction of unsuitable material shall be on-site. On-site disposal shall be in a location and manner acceptable to the Owner as part of this unit price. Unit of work shall be per cubic yard.

3. **Machine or hand undercut of unsuitable earth (within building area).** Includes excavation of unsuitable material below required cut elevation within an area constrained by footings and/or foundations already in place. Disposal, placement and compaction of unsuitable material shall be on-site. On-site disposal shall be in a location and manner acceptable to the Owner as part of this unit price. Unit of work shall be per cubic yard.

4. **Compacted controlled fill from suitable on-site source.** Includes excavation, placement and compaction in accordance with requirements specified in Section 312000. Unit of work shall be per cubic yard.

5. **Compacted controlled fill from suitable off-site source.** Includes purchase and hauling to job site, placement and compaction in accordance with requirements specified in Section 312000. Unit of work shall be per cubic yard.

6. **Excavation of mass rock.** Includes blasting (where necessary and permitted) or by other means selected by The Contractor for excavation to appropriate elevations, as described in Section 312000. Disposal and placement shall be by burying on-site in a location and manner acceptable to the Owner or should site conditions warrant, as determined by the Owner, removed from the site. Either manner is included in this unit price. Unit of work shall be per cubic yard.

7. **Excavation of trench rock (site).** Includes blasting (where necessary and permitted) or by other means selected by The Contractor for excavation to appropriate elevations as described in Section 312000. Disposal and placement of rock shall be by burying on-site in a location and manner acceptable to the Owner or should site conditions warrant as determined by the Owner, removed from the site; either manner is included in this unit price. Unit of work shall be per cubic yard.

8. **Excavation of trench rock (within building area).** Includes blasting (where necessary and permitted) or by other means selected by The Contractor for excavation to appropriate elevations within an area constrained by footings and/or foundations already in place, as described in Section 312000. Disposal and placement of unsuitable rock shall be by burying on-site in a location and manner acceptable to the Owner or should site conditions warrant as determined by the Owner, removed from the site; either manner is included in this unit price. Unit of work shall be per cubic yard.

9. **Geotextiles.** Includes furnishing of materials and installation by the Contractor at the direction of the Owner and as specified in section 310519. Unit or work shall be per square yard.

10. **Geo Grid.** Includes furnishing of materials and installation by the Contractor at the direction of the Owner and as specified in Section 310519. Unit or work shall be per square yard.
11. Number 57 stone (meeting VDOT standard). Includes the furnishing of materials, placement and consolidation by the Contractor at the direction of the Owner. Placement shall be as directed by the Architect. Unit of work shall be per cubic yard, placed and consolidated.

12. Number 21A or 21B stone (meeting VDOT standard). Includes the furnishing of materials, their placement and compaction by the Contractor at the direction of the Owner. Placement shall be as directed by the Architect. Unit of work shall be per cubic yard placed and compacted.

1.3 **SPECIAL COORDINATION AND COOPERATION:**

A. Coordinate The Work of this Contract with any previously established erosion control measures provided by the Owner under separate contract.

B. Coordinate The Work of this Contract with installation of any furniture and furnishings provided by the Owner under separate contracts, and with any furniture and furnishings provided by the Owner to be installed by The Contractor.

C. Coordinate The Work of this Contract with the Owner and other contractors for other work that may be performed simultaneously with this contract.

D. The dates contained in the schedule referenced in Section 01010, Paragraph 1.2B shall be strictly adhered to for proper coordination and cooperation with other contractors for completion of this work and other work described above.

E. Where applicable, coordinate The Work of this Contract with the Owner and contractor for asbestos abatement. Asbestos abatement will be performed simultaneously with this contract.

F. Where applicable, coordinate The Work of this Contract with the Owner and contractor for roof renovation. Roof renovation will be performed simultaneously with this contract.

1.4 **PARTIAL EARLY OCCUPANCY OR EARLY SUBSTANTIAL COMPLETION**

A. It is the Owner's intention to have partial early occupancy and/or early substantial completion as stipulated below:

   As Per Section 1.2B

PART 2 - PRODUCTS

(Not applicable)

PART 3 – EXECUTION

3.1 **COORDINATION:**

A. Coordinate construction activities included under various sections of these
Specifications to assure efficient and orderly installation of each part of the Work. Coordinate construction operations included under different sections of the Specifications that are dependent upon each other for proper installation, connection, and operation.

### 3.2 GENERAL INSTALLATION PROVISIONS:

A. **Inspection of Conditions:** Require the installer of each major component to inspect both the substrate and conditions under which The Work is to be performed. Do not proceed until unsatisfactory conditions have been corrected in an acceptable manner.

B. **Manufacturer’s Instructions:** Comply with manufacturer’s installation instructions and recommendations, to the extent that those instructions and recommendations are more explicit or stringent than requirements contained in Contract Documents.

C. Inspect materials or equipment immediately upon delivery and again prior to installation. Reject damaged and defective items.


E. **Visual Effects:** Provide uniform joint widths in exposed Work. Arrange joints in exposed Work to obtain the best visual effect. Refer questionable choices to the Architect for final decision.

F. Recheck measurements and dimensions before starting each installation.

G. Install each component during weather conditions and project status that will ensure the best possible results.

### 3.3 CLEANING AND PROTECTION:

A. **General**

1. During handling and installation, clean and protect construction in progress and adjoining materials in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.

2. Supervise construction activities to ensure that no part of the construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

3. Retain stored items in orderly arrangement allowing maximum access, not impeding traffic or drainage.

4. Do not allow accumulation of scrap, debris, waste material, other items not required for construction of this Work.

5. At least twice each week, and more often if necessary, completely remove all scrap, debris, and waste material from job site.
6. Provide adequate storage for all items awaiting removal from job site, observing requirements for fire protection and protection of ecology.

7. Failure by the Contractor to keep site and structures clean as required below, shall be justification for the Architect and Owner to reduce amount of the Contractor's Request for Payment by up to fifteen percent (15%), until such time requirements have been met to the Architect's and Owner's satisfaction. This retainage will be in addition to the five percent (5%) contract retainage specified in Article 9 of the Supplementary Conditions.

B. Site

1. Daily, and more often if necessary, inspect site and pick up all scrap, debris, and waste material. Remove such items to place designated for their storage.

2. Daily inspect all arrangements of materials stored on-site. Restack, tidy, or otherwise service arrangements to meet requirements of subparagraph 3 above.

3. Maintain site in neat, orderly condition at all times.

C. Structures

1. At least twice each week, and more often if necessary, inspect structures and pick up all scrap, debris, and waste material. Remove such items to place designated for their storage.

2. Daily, and more often if necessary, sweep interior spaces clean.

   a. "Clean", for purpose of this subparagraph, shall be interpreted as meaning free from dust and other material capable of being removed by use of reasonable effort and a hand-held broom.

3. As required preparatory to installation of succeeding materials, clean structures or pertinent portions thereof to degree of using equipment and materials required to achieve necessary cleanliness.

4. Following installation of finish floor materials, clean finish floor daily (and more often if necessary) at all times while work is being performed in space in which finish materials are installed.

   a. "Clean", for purpose of this subparagraph, shall be interpreted as meaning free from foreign material which may be injurious to finish floor material.

END OF SECTION 01010
PART 1 GENERAL

1.1 SECTION INCLUDES
   A. IP Video Intercom. (Aiphone IX Series)

1.2 RELATED SECTIONS
   A. Section 27 32 00 - Voice Communications Terminal Equipment.

1.3 REFERENCES

1.4 SYSTEM DESCRIPTION
   A. IP Network Compatible Video Intercom System: A network-based communication and security system featuring video entry security. All units in the systems shall be able to unlock doors remotely on a network and communicate using a PoE network.
   1. Power Source: Power over Ethernet (802.3af).
   2. Network Interface: 10 BASE-T / 100 BASE-TX Ethernet (RJ-45).
   3. Network Protocols: IPv4, IPv6, TCP, UDP, SIP, HTTP, HTTPS, MJPEG, RTSP, RTP, RTCP, IGMP, MLD, SMTP, DHCP, NTP, DNS.
   4. Bandwidth Usage:
      a. G.711: 64Kbps x 2 per video call.
      b. 64Kbps per monitor.
      c. H.264: 24Kbps ~ 2,048Kbps.
   5. Communication: Hands-free (VOX), push-to-talk (simplex), or handset (full-duplex).
   6. Video Display: 3-1/2 inches (89 mm) color LCD.
   7. Camera: Type:
      a. 1/4 inch (6 mm) color CMOS.
      b. View Area: 2 feet 2 inches (660 mm) vertical x 3 feet 1 inch (940 mm) horizontal at 20 inches (508 mm).
   8. Video Stream: ONVIF Profile S.
   10. Wire Type: CAT-6.
   11. Distance:
      a. Door Station or RA Station to Network Node: 330 feet (100 meters).
      b. Master Station to Network Node: 330 feet (100 meters).

1.5 SUBMITTALS
   A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
   B. Product Data: Manufacturer's data sheets on each product to be used, including:
      1. Preparation instructions and recommendations.
      2. Storage and handling requirements and recommendations.
      3. Installation methods.
   C. Shop Drawings: Submit the following:
      1. Wiring Diagrams: Indicate wiring for each item of equipment and interconnections
between items of equipment.

2. Include manufacturer's names, model numbers, ratings, power requirements, equipment layout, device arrangement, complete wiring point-to-point diagrams, and conduit layouts.

D. Installation and Operation Manuals:
1. Submit manufacturer's installation and operation manual, including operation instructions and component wiring diagrams.
2. Provide detailed information required for Owner to properly operate equipment.

E. Warranty: Submit manufacturer's standard warranty.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: All equipment and materials for this system shall be listed by Underwriter's Laboratories, Inc. (UL), bear the UL label, and shall be installed in accordance with all requirements of the National Electrical Code (NEC), all state and local codes, and these Specifications.

B. Installer Qualifications: Factory trained and experienced with system installations of scope and size required for the Project. This Contractor must show evidence of successfully furnishing and installing systems specified for at least five (5) years, and shall be Department of Criminal Justice Services (DCJS) certified for security installations by the Commonwealth of Virginia.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.

C. Handling: Protect materials during handling and installation to prevent damage.

1.8 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Aiphone Corporation

B. Substitutions: Not permitted.

C. IP Video Intercom System: IX Series Intercom System as manufactured by Aiphone Corporation.

2.2 SYSTEM DESIGN
A. Master Stations: Provide 3 master stations.

B. Audio Video Door Station:

C. Provide Selective Door/Gate Release using RY-IP44

D. Provide Switch____________________________

2.3 FUNCTIONAL COMPONENTS:

A. As indicated on the drawings or as required to complete system.
   1. Video Master Station Model IX-MV:
      a. An IP addressable video master station with a 3.5 inch (89 mm) color LCD monitor. It can be wall or desk mounted (desk stand included). The IX-MV offers handset (duplex) and hands-free (VOX/PTT) communication and call up to 500 other IX units. It connects directly to a network using CAT-6 cable. This station requires a 802.3af compliant Power-over-Ethernet network.

   2. Audio/Video Door Station Model IX-DF:
      a. Flush mount unit connects to a PoE network using CAT-5e/6 cable. The IX-DF will call up to 20 IX-MV masters or instances of the IX MOBILE. The door station features a stainless steel face plate, a form C contact for door release, a 600 ohm output for paging or an amplified speaker, call placed/answered indication, and a contact input.

   3. RY-IP44 IP Programmable Relay Adaptor:
      a. With 4 contact inputs and 4 relay outputs (compatible with the IX Series).

   4. Stainless Steel Enclosure Model SBX-ISDVF:
      a. 18-Guage stainless steel enclosure designed for surface mounting the IX-DF, IS-SS, IX-DF-HID, and IX-DF-RP10 door stations.

   5. Switch and info

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine areas to receive integrated security and communication system.

B. Notify Architect of conditions that would adversely affect installation or subsequent use.

C. Do not begin installation until unacceptable conditions are corrected.

3.2 PREPARATION

A. Verify the following compliance before starting installation.
   1. The unit turns inoperative during power failure.
   2. Keep the intercom wires at least 1 foot (30 cm) away from strong electrical wiring (AC 100-240 V) including, in particular, wiring for inverter electrical appliances. Noise and malfunction could result.
   3. If a strong light shines on the main unit screen, the picture may turn white or only silhouettes will be visible.
   4. Other manufacturer's devices (such as sensor, detectors, door releases) used with this system, comply with the manufacturer's installation requirements.

3.3 INSTALLATION

A. Install integrated security and communication system in accordance with manufacturer's
instructions at locations indicated on the Drawings.

B. Mount equipment plumb, level, square, and secure. For video entrance stations and video door stations, comply with manufacturer's design requirements to provide optimum picture quality of station monitoring.

3.4 SET-UP AND ADJUSTING

A. Adjust integrated security and communication system for proper operation in accordance with manufacturer's instructions.

3.5 DEMONSTRATION AND TRAINING

A. Demonstration:
1. Demonstrate that integrated security and communication system functions properly.
2. Perform demonstration at final system inspection by qualified representative of manufacturer.

B. Instruction and Training:
1. Provide instruction and training of Owner's personnel as required for operation of integrated security and communication system.
2. Provide hands-on demonstration of operation of system components and complete system, including user-level program changes and functions.
3. Provide instruction and training by qualified representative of manufacturer.

3.6 PROTECTION

A. Protect installed integrated security and communication system from damage during construction.

END OF SECTION