

**Addendum #1****NJSDA EMERGENT PROJECT:**

Wilson Elementary School
Water Infiltration Repairs
19 Wilson Avenue
Newark, NJ
NJSDA Project No. #EP-0077-C01

DESCRIPTION:

This addendum shall be considered part of the Bid Documents issued in connection with the referenced project. Should information conflict with the Bid Documents, this Addendum shall supercede the relevant information in the Bid Documents.

A. Request for Information (RFI)

Q1. Electrical power lines are strung along poles within 10ft of the Alyea Street work area. Who is responsible for relocating or safing off the power lines.

A.1 Access to the work is the responsibility of the General Contractor including working around these power lines. The successful bidder has the responsibility of securing the services of a licensed electrician per the instructions to bidders. It is expected that the electrician who must be named upon submission of bids will ensure that the proper precautions are taken when working around these power lines.

B. Drawing Questions:

Q1. Please clarify notes items #3, 4, 5, 30, 35 and 36 of drawing A3.K where; "The GC shall adjust base bid estimated quantity of labor and materials based on actual repair inspection and photo reporting to the NJSDA Manager so as to validate final quantities and values for prior approval prior to proceeding with the work". The wording adjust the base bid estimated quantity is confusing.

A1. See drawing A13.K for revisions to note #3, 4, 5, 30, 35 and 36 as indicated in the drawing.

C. Drawing Changes and Clarifications**Drawing A1.6**

(Items listed below are tagged on drawing A1.6 with item numbers in triangles and the following clarifications explain why they have been tagged and or why a window type illustration has been relocated to drawing A6.1a as follows:)

Item #1:

This item clarifies window types C, I, K, K.1, K.2, K.3 and J which have been amended on drawing A1.6a. They have been amended to include additional ventilation in the Auditorium, Cafeteria, and Kitchen by modifying the stops in the windows. In addition, a note has been added to clarify which windows have 5" limit stops and which windows units are unrestricted without limit stops.

C. Drawing Changes and Clarifications (cont'd)

Item#2:

This item refers to supplemental drawing A1.6a which has been added to the bid drawings to provide clarify for window types J, W and W.1. Types W and W.1 have been amended to relocate the lower operating sections of hopper units to the upper part of the window. This occurs in toilet room locations. In addition, an additional upper vent unit was added to type J window to increase natural ventilation due to its Auditorium location.

Item #3:

This item refers to the clarification that window type S had its vertical dimension removed and a two vent unit is added for additional ventilation.

Item #4:

This item refers to the clarification that window unit types XX, R and R.1 shall have their hopper units moved from the lower restricted opening to the upper part of the window.

Item #5:

This item refers to the clarification that all curved infill heads shall be detailed where possible similar to detail A1.9a.

Item #6

This item refers to the fact that only window type E will have AC units installed in 1" insulated panels; type E.1 shall have 1" insulated panels without AC units.

Drawing A2.1

See drawing A2.1 for revisions to notes #1 and 3 as indicated in the drawings.

D. Specifications Changes and Clarifications:

Change the language in the following specification section below from:

1. In Section 085113 - Aluminum Windows

2.3 HARDWARE

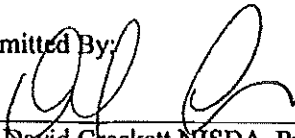
- B. Limit Device: Provide the manufacturer's standard concealed, friction adjustor and adjustable stay bar limit device designed to restrict the ventilator opening. Settings shall be set at 4" unless otherwise directed by the NJSDA project manager.

To the following:

- B. Limit Device: Provide the manufacturer's standard removable concealed, friction adjustor and adjustable stay bar limit device designed to restrict the clear opening of a vent or hopper unit. Settings shall be set to 5" unless otherwise directed by the NJSDA project manager. The restriction of the clear opening shall apply to all units where the window sill is located below 60" above the finish floor. All units with window openings above this point shall not be unrestricted by limit devices.

E. Bid Procedure Change:

Bidders are hereby instructed to use the enclosed Price Proposal, dated 6/14/12, when submitting their Price Proposal to the NJSDA.

Submitted By: 
Mr. David Crockett NJSDA, Program Officer 6/14/12 Date:

NJSDA
Mr. Marty Taylor, Procurement Analyst
1 West State Street
P.O. Box 991
Trenton, NJ 08626
Fax: 609-656-4609

Date: 6/14/2012

NJSDA Project No. #EP-0077-C01

DESCRIPTION: Wilson Avenue Elementary School Water Infiltration Repairs

Addendum No.1

Acknowledgement of Receipt of Addendum

Contractor must acknowledge the receipt of the Addendum by signing in the space provided below and returning via fax no. 609-656-4609. Signed acknowledgement must be received prior to the Bid Due Date. Signed Acknowledgement of the Addendum must be made in Section E.6 of the Price Proposal Submission.

Signature:

Print Name:

Company Name:

Date:

End of Addendum No. 1

PRICE PROPOSAL

PRICE PROPOSAL SUBMISSION

**for
BID
to**

NEW JERSEY SCHOOLS DEVELOPMENT AUTHORITY

For the following Package:

Contract Number: EP-0077-C01
Contract Name/Description: Wilson Ave ES – Water Infiltration Repairs
District: Newark
County: Essex

THIS PACKAGE IS COMPRISED OF THE FOLLOWING SCHOOL PROJECTS:

SCHOOL	CONSTRUCTION COST ESTIMATE
<u>Wilson Avenue Elementary School</u>	<u>\$2,706,526.00</u>

Bid of _____
(Bidder's Name) (Bidder's Federal I.D. #)

a Corporation organized and existing under the laws of the State of _____

or a partnership or joint venture consisting of _____

or an individual, trading as _____

There is a two-step bidding process for bidding with the NJSDA:

First Step: A Bidder must first submit the "Project Rating Proposal", which consists of information regarding the "other factors" which will be evaluated by the NJSDA in its consideration of the bid. The NJSDA will determine a Bidder's Project Rating Limit based on this proposal.

Second Step: A Bidder must submit the "Price Proposal", which contains the price the Bidder intends to bid for the work as well as other required information.

Important Notes:

- 1) A Bidder may not submit a Price Proposal that exceeds its Project Rating Limit for a project.
- 2) A Bidder's Project Rating Limit cannot exceed the firm's Aggregate Limit.

A. Price Proposal Submission:

The Bidder shall complete and execute this Price Proposal and enclose it in an envelope that is sealed and clearly marked with the Bidder's Name, Contract Number, Contract Name, School District, County and the date of Price Proposal submission. The Bidder must submit its sealed Price Proposal to the NJSDA in accordance with Section 8 of the Instruction to Bidders.

B. Bidder:

All Bidders must be classified by the Department of the Treasury, Division of Property Management and Construction in all applicable trades; pre-qualified by the NJSDA in all applicable trades; registered with the Department of Labor; and registered with the Department of Treasury, Division of Revenue; and provide a valid contractor or trade licenses where applicable at the time of submission of this bid. Time is of the essence for completion of all projects in this package.

The Bidder MUST submit a copy of its Uncompleted Contracts Form. Uncompleted Contracts forms submitted by the Bidder and any required Subcontractors must reflect accurate and timely information. The amount set forth in the Uncompleted Contracts Form must reflect the amount of uncompleted work as of the date of the bid submission. In no instances will Uncompleted Contracts forms be acceptable where the date of the Form is greater than 120 days prior to the due date for bid submission.

C. Subcontractors:

1. The Bidder MUST name all subcontractors that will be performing work in any of the trades listed in the Bid Advertisement or required by statute.
2. All listed subcontractors identified in accordance with Section C.1. above must be classified by the Department of the Treasury, Division of Property Management and Construction in all applicable trades; pre-qualified by the NJSDA in all applicable trades; registered with the Department of Labor; and registered with the Department of Treasury, Division of Revenue; and provide a valid contractor or trade licenses where applicable at the time of submission of this bid.
3. All Bidders MUST submit a copy of the Uncompleted Contracts Form for any subcontractor identified in the bid advertisement. Uncompleted Contracts forms submitted by the Bidder and any required Subcontractors must reflect accurate and timely information. The amount set forth in the Uncompleted Contracts Form must reflect the amount of uncompleted work as of the date of the bid submission. In no instances will Uncompleted Contracts forms be acceptable where the date of the Form is greater than 120 days prior to the due date for bid submission.
4. If the Bidder is properly classified and pre-qualified, and will be performing work in these trades with its "own forces," so state. Failure to indicate what firms will be performing the work in the trades identified in the Bid Advertisement may cause the bid to be rejected.
5. The Bidder shall list the SBE status of each subcontractor, where applicable.

D. SBE Opportunities:

The Bidder agrees it shall make a good faith effort to meet the requirements of the SBE Utilization Attachment contained in the Contract Documents in order to ensure that small business enterprises, as defined in that attachment and in applicable regulation, have the maximum opportunity to compete for and perform subcontracts.

The NJSDA requires the contractor to provide opportunities to SBE firms to participate in the performance of this engagement, consistent with NJSDA SBE set aside goals of 25%, awarding 5% of the contract value to registered Category 4 SBE firms; 5% of the contract value to registered Category 5 SBE firms; and 5% of the contract value to registered Category 6 SBE firms; and 10% of the contract value to SBE firms registered in any of the three Categories.

=====

GENERAL CONSTRUCTION WORK:

Firm Address

SBE DOL Contractor Registration # Federal I.D. #

=====

HVAC - STEAM AND HOT WATER HEATING AND VENTILATING APPARATUS WORK:

Firm Address

SBE DOL Contractor Registration # Federal I.D. #

=====

PLUMBING AND GAS FITTING WORK:

Firm Address

SBE DOL Contractor Registration # Federal I.D. #

=====

ELECTRICAL WORK:

Firm Address

SBE DOL Contractor Registration # Federal I.D. #

=====

STRUCTURAL STEEL AND MISCELLANEOUS IRON WORK:

Firm Address

SBE DOL Contractor Registration # Federal I.D. #

=====

OTHER TRADE CLASSIFICATIONS NAMED IN BID ADVERTISEMENT (Name Trade Classification): _____

Firm Address

SBE DOL Contractor Registration # Federal I.D. #

=====

OTHER TRADE CLASSIFICATIONS NAMED IN BID ADVERTISEMENT (Name Trade Classification): _____

_____	_____
Firm	Address
_____	_____
SBE	DOL Contractor Registration #
_____	Federal I.D. #

E. Price:

1. The undersigned, as Bidder, declares:
 - That this Price Proposal is made, without collusion with any other person, firm or corporation;
 - That the Bidder has carefully examined the form of the Project Manual, Contract, Instructions to Bidders, Addenda, Specifications, Plans and all other Contract Documents;
 - That the Bidder has carefully examined the locations, conditions and classes of material for the proposed work;
 - That the Bidder agrees that it will provide all necessary machinery, tools, apparatus and other means of construction and will do all work and furnish all the materials called for in the Contract Documents in the manner therein prescribed; and
 - That this Price Proposal is submitted Net of Insurance, excluding all applicable insurance expenses and policy costs allocated to the on-site activities of the project as respects Workers' Compensation, Employer's Liability, Commercial General Liability, Owners Contractors Protective Liability, Excess/Umbrella Liability and Builder's Risk insurance.

2. In submitting this Price Proposal, the Bidder agrees:
 - That the NJSDA has the right to reject this Price Proposal in accordance with the Instructions to Bidders.
 - To hold this Price Proposal open for a period of ninety (90) calendar days from the date of the public opening and reading of the Price Proposals, unless this time period is extended by mutual agreement of the Bidder and the NJSDA.
 - To accomplish the work at the price bid, in accordance with the Contract Documents.

3. Base Bid Price:
 - Total amount for the furnishing of all labor, materials, services, equipment and appliances required in conjunction with and properly incidental to all work, in conformance with all Contract Documents. The price of allowances listed in the Specifications and/or by Addenda (um) must be included in the Base Bid Price.
 - In case of a discrepancy between the amount shown in words and the amount shown in figures, the amount shown in words shall govern.
 - The Public Opening and Reading of the Price is for informational purposes only and is not to be construed as an acceptance or rejection of any bid submitted.

BASE BID PRICE:

_____ (In Words)

\$ _____ (In Figures)

4. Alternates:

Refer to the Specifications and/or Addenda (um) for the list of Alternates, if any.

For each listed Alternate, the Bidder shall:

1. Identify specifically the alternate to be addressed under the column entitled "Alternates". Said identification shall be the name or number of the alternate;
2. Fill in the amount bid for the Alternate in the column entitled "Price" in the appropriate space opposite the "Alternate" column and indicate if this price is a decrease alternate by using the symbol "-" or an increase alternate using the symbol "+". If the alternate is chosen, increase alternates will increase the base bid by the amount indicated, decrease alternates will result in a reduction of the base bid by the amount indicated;
3. If no change in the bid amount is required, the Bidder must indicate "No Change" or "\$0 dollars" in the price column.

<u>Alternate</u>	<u>Price</u>

5. Bid Bond:

The Bidder shall attach to this Price Proposal a Bid Bond, having a value of ten percent (10%) of the total base bid amount. Bid Bonds shall be returned to all unsuccessful Bidders in accordance with the Instructions to Bidders.

6. Addenda:

The Bidder acknowledges receipt and incorporated into this bid of the following Addenda:

Number: _____

Dated: _____

F. CERTIFICATION

The Bidder hereby certifies to the best of its knowledge and belief and under penalty of perjury under the laws of the United States and the State of New Jersey:

1. That all information provided herein is accurate and truthful.
2. That an affirmative action program of equal employment opportunity, pursuant to P.L. 1945, c. 169, the "New Jersey Law Against Discrimination," as supplemented and amended has been adopted by this organization to ensure that applicants are employed and employees are treated without regard to their race, creed, color, national origin, ancestry, marital status, sex, or affectional or sexual orientation, and that the selection and utilization of contractors, subcontractors, consultants, materials suppliers and equipment lessors shall be done without regard to their race, creed, color, national origin, ancestry, marital status, sex, or affectional or sexual orientation. Such action shall include but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including

apprenticeships. The Bidder agrees to post in conspicuous places, available to employees and applicants for employment, Notices to be provided by the NJSDA's Compliance Officer setting forth provisions of this nondiscrimination clause. Said affirmative action program addresses both the internal recruitment, employment and utilization of minorities and the external recruitment policy regarding minority contractors, subcontractors, consultants, materials suppliers and equipment lessors.

3. That the bid has been executed with full authority to do so; that the Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with these projects; and that all statements contained in this bid and in this certification are true and correct and made with full knowledge that the NJSDA relies upon the truth of the statements contained in this bid and in the statements contained in this certification in awarding the contract for the projects.
4. That neither the Bidder nor its principals:
 - A. are currently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from bidding or contracting by any agency of government including but not limited to federal, state, regional, county or local government agency, in this or any other state including any department, division, commission, authority, office, branch, section and political subdivision or other governmental or quasi-governmental entity;
 - B. have, within a three-year period preceding this bid, been convicted or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public federal, state or local contract; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - C. are currently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any of the offenses enumerated in paragraph (B) of this certification; and
 - D. have, within a three-year period preceding this bid, had one or more public contracts (federal, state or local) terminated for cause or default.
5. The Bidder has a current, valid registration issued pursuant to the "Public Works Contractor Registration Act, "P.L. 1999, c. 238 (c. 34:11-56.48 et. seq)".
6. The Bidder has a current, valid Business Registration Certificate for State Agency and Casino Service Contractors issued by the NJ Department of Treasury to perform work in New Jersey.
7. The Bidder has current, valid contractor or trade licenses and permits required under applicable New Jersey law for any trade or specialty area in which the firm seeks to perform work.
8. That the Bidder will comply with Public Law 2005, Chapter 51 (N.J.S.A. 19:44A-20.13-20.25, superseding Executive Order 134 (2004)) and as amended by Executive Order 117 (2008), and submit a N.J. Division of Purchase and Property "Two-Year Chapter 51/Executive Order 117 Vendor Certification & Disclosure of Political Contributions" and "Ownership Disclosure Form" if awarded the bid.
9. That the Bidder is aware of its continuing responsibility to file an annual disclosure statement on "contributions" as that term is defined in P.L. 2005, c. 51 (formerly Executive Order 134 (2004)) or any "Business Entity," as that term is defined in P.L. 2005, c. 51, associated with the Bidder, on the "Disclosure of Political Contribution" form provided by the NJSDA, at the time such contribution is made." This applies to the contractor if the contractor receives contracts in excess of \$50,000 from a public entity in a calendar year. It is the contractor's responsibility to determine if filing is necessary. Failure to so file can result in the imposition of financial

penalties by ELEC. Additional information about this requirement is available from ELEC at 888-313-3532 or at www.elec.state.nj.us.

10. During the term of construction of the project(s) that comprise this package, the Bidder will have in place a suitable quality control and quality assurance program and an appropriate safety and health plan.
11. The amount of the Price Proposal and the value of the Bidder's outstanding incomplete contracts does not exceed the Bidder's Aggregate Rating.
12. Where the Bidder is unable to certify to any of the statements in this certification, the Bidder shall explain below.

IN WITNESS WHEREOF, the Bidder has caused this instrument to be signed, attested to and sealed.

Bidder: _____
(Legal Firm Name)

By: _____
(Signature)

(Printed or Typed Name)

Title: _____

Address: _____

Telephone No.: _____

Fax No.: _____

Date: _____

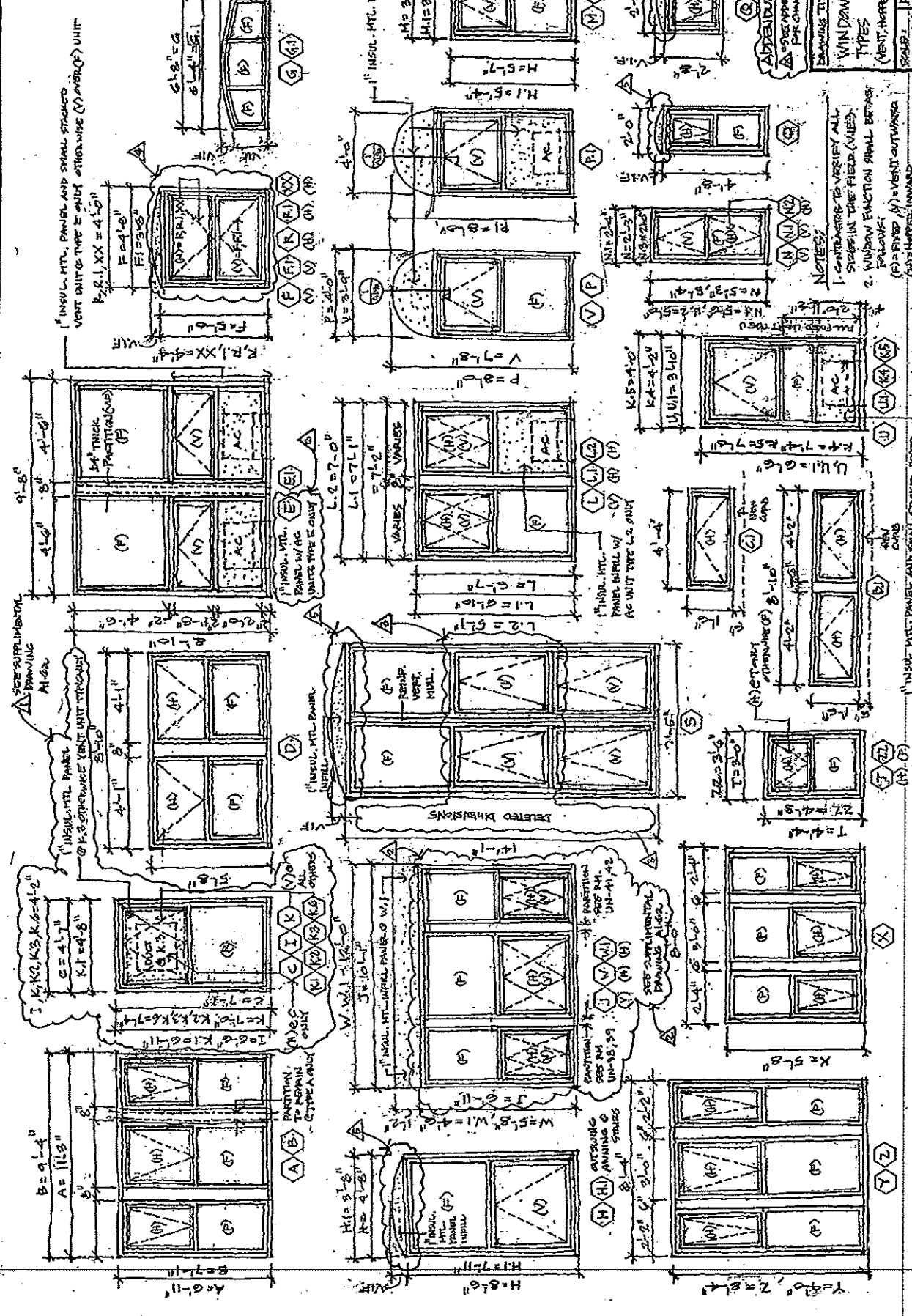
Witness: _____

Printed or Typed Name: _____

Date: _____



END OF PRICE PROPOSAL



ADDITIONAL NOTES
 Δ SEE REVISION NUMBER UNIT FOR CHANGE INDICATION

DRAWING TITLE:	THIS NO.
WINDOW TYPES (VENT, HOPPER, FIXED)	A1.6
SCALE:	DATE:
1/4" = 1'-0"	5.7.12
	6.14.12

NOTES:
 1. CONTRACTOR TO VERIFY ALL SIZES IN THE FIELD (VALUES)
 2. WINDOW FUNCTION SHALL BE AS FOLLOWS:
 (A) = FIXED (N) = VENT OUTWARDS
 (P) = HOPPER INWARDS
 3. ELEVATION'S SURFACE OUTSIDE VIEW

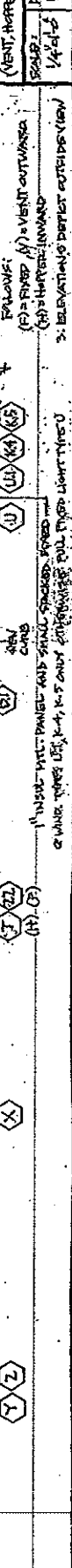
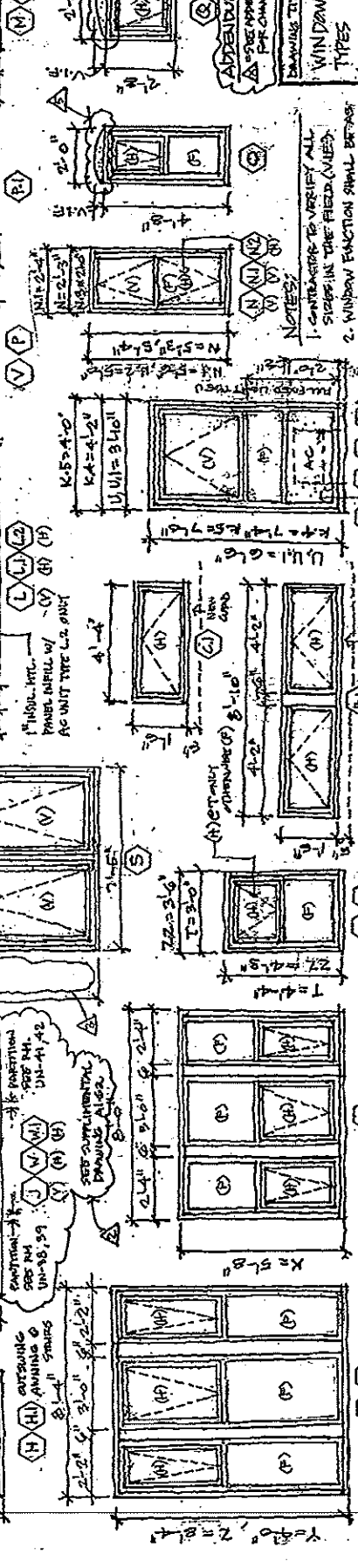
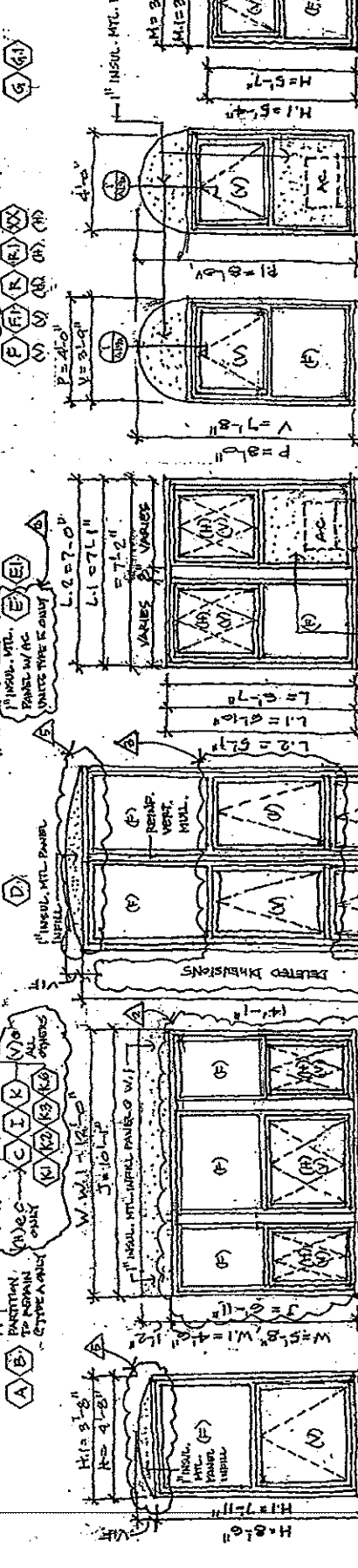
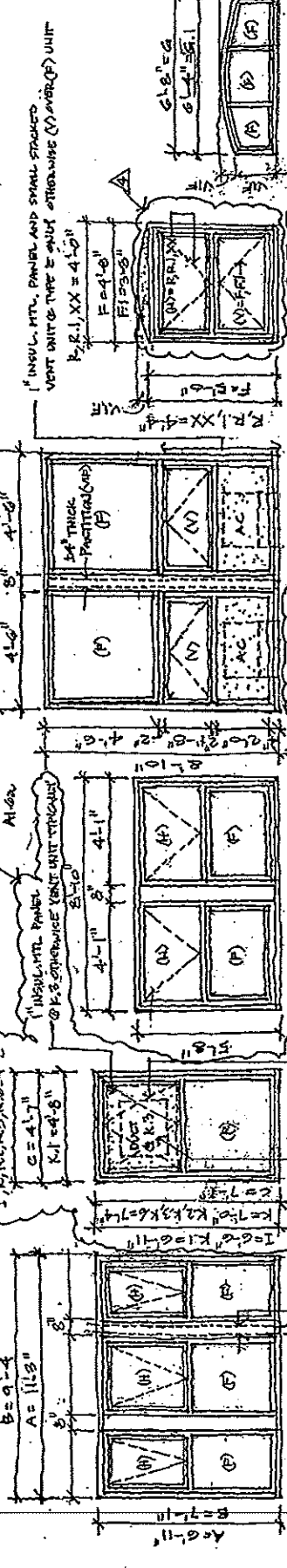
1" INSUL. MTL. PANEL AND SMALL STACKED VENT UNIT OR TYPE IS ONLY OTHER-WISE (N) OVER (F) UNIT
 P.R.1, XX = 4'-0"

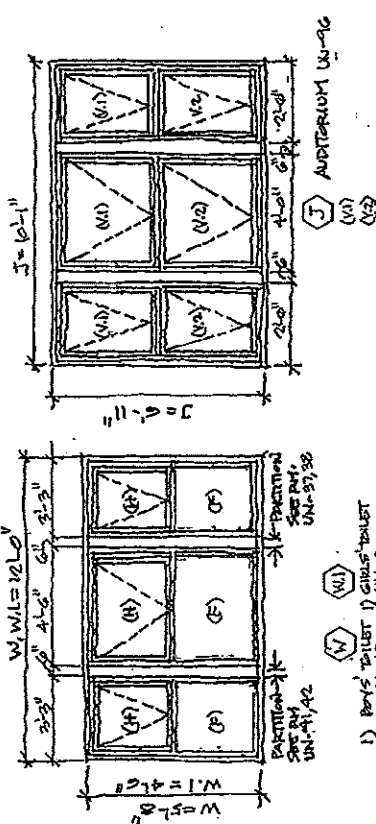
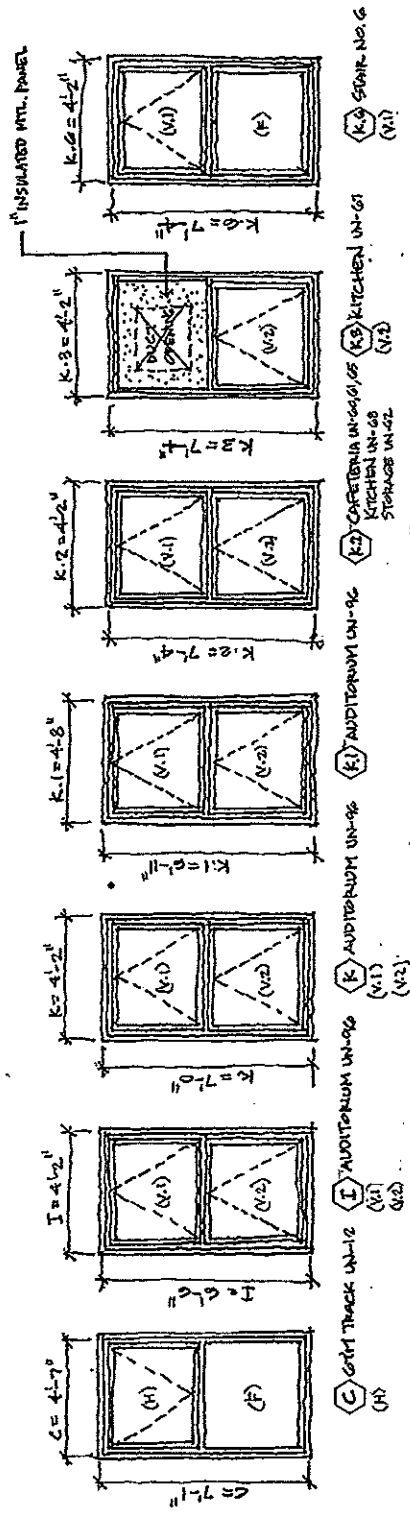
SEE SUPPLEMENTAL DRAWING A1.6a

1" INSUL. MTL. PANEL AND SMALL STACKED VENT UNIT OR TYPE IS ONLY OTHER-WISE (N) OVER (F) UNIT

SEE SUPPLEMENTAL DRAWING A1.6a

SEE SUPPLEMENTAL DRAWING A1.6a

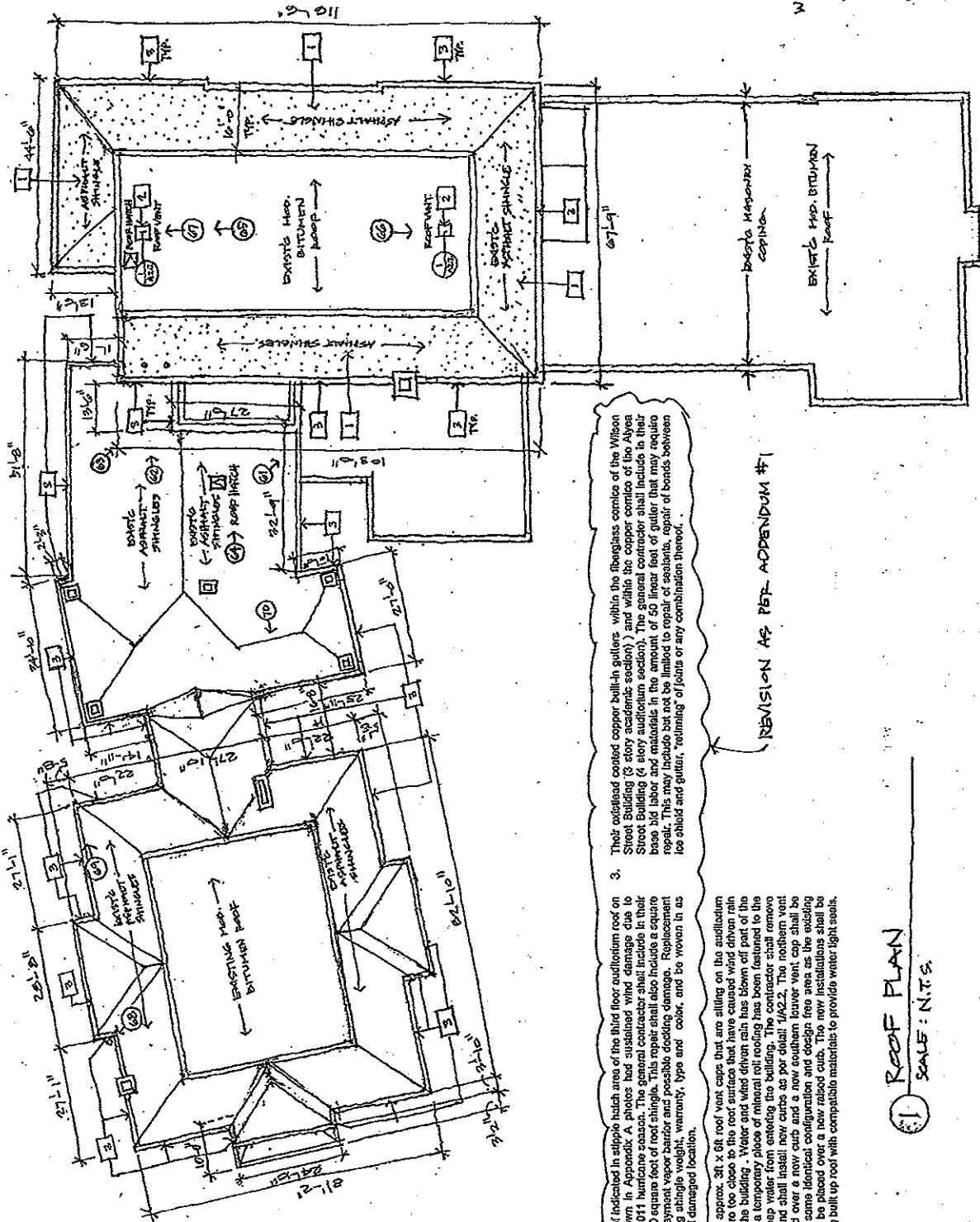




- 1) Boys' TOILET UN-43
- 2) GIRLS' TOILET UN-42
- 3) SPINACH UN-42
- 4) TOILET UN-41
- 5) REC. DIR. OFFICE UN-27
- 6) TOILET UN-28

DWG. NO.	A1.62
DRAWING TITLE	WINDOW TYPES APPROPRIATE CLARIFICATION
SCALE	1/4" = 1'-0"
DATE	6-14-12

NOTES
 (V.1) = VENT OUTWARD UNRESTRICTED
 (V.2) = VENT OUTWARD w/ 5" UNIT STOP RESTRICTION



Keyed Notes

- The asphalt shingle roof indicated in stipple hatch area of the third floor auditorium roof on drawing A2.1 and shown in Appendix A notes has sustained wind damage due to hurricane Irene in the 2011 hurricane season. The general contractor shall include in their base bid quantity of 250 square feet of roof shingles. This repair shall also include a square foot coat of roof underlayment vapor barrier and possible decking damage. Replacement shall match the existing shingle height, warranty, type and color, and be proven in as necessary at each wind damaged location.
- There are two existing approx. 24" x 64" roof vents that are sitting on the auditorium roof in relation to the roof surfaces that have caused wind driven rain infiltration to enter the building. Water and wind driven rain has blown off part of the southern vent cap and a temporary piece of mineral wool roofing has been fastened to the exposed opening to keep water from entering the building. The contractor shall remove both units and curbs and shall install new curbs as per detail 1/A2.2. The northern vent unit shall be rehabilitated over a new curb and a new southern louver vent cap shall be fabricated to duplicate some identical configuration and design free area as the existing northern unit and shall be placed over a new raised curb. The new installations shall be flashed into the existing built up roof with compatible materials to provide water tight seals.

3. Their existing coated copper built-in gutters within the fiberglass cornice of the Wilson Street Building (3 story academic section) and within the copper cornice of the Ayres Street Building (4 story academic section). The general contractor shall include in their base bid labor and materials in the amount of 50 linear feet of gutter that may require repair. This may include but not be limited to repair of sealants, repair of bonds between the shield and gutter, retinning of joints or any combination thereof.

REVISION AS PER APPENDIX #1

1 ROOF PLAN
SCALE: N.T.S.

LEGEND

- = KEYED NOTES
- = DETAIL
- = DRAWING NO.
- = WIND DAMAGED
- = ASBESTOS REMOVAL AREA
- = EMPS SAMPLE TAG SET SPECIFICATIONAL APPENDIX "A"
- N
- Graphic Scale: 0 10 20 40 ft

DRAWING TITLE:	ROOF PLAN AND NOTES	DATE:	5-7-12
PROJECT:	N.T.S.	SCALE:	5-7-12
APPENDIX:	A2.1	DATE:	5-14-12

Keved Notes

1. All red or burgundy brickwork shall have their joints raked out typically 1/2" inch in depth, beyond the finish face of the existing brick or greater than 1/3 the thickness of the existing brick where deeper coloration exists. The joints shall be repointed with a concave or raked joint to match similar masonry joints of adjoining work with either a maximum of 1/4" recessed raked joints or concave joint with outer edges flush with the brick faces. New mortar shall be selected to match color of existing adjoining mortar colored or as directed by the NUSDA.

2. All grey brickwork shall have their joints raked out typically 1/2" inch in depth beyond the finish face of the existing brick or greater than 1/3 the thickness of the existing brick veneer. The joints shall be repointed with concave joints with edges flush with the brick face. New mortar shall be selected to match color of existing adjoining mortar colored or as directed by the NUSDA.

3. Patching compound shall be used to repair damaged brickwork or to fill ground out surface cracks as indicated with color to match that of the adjoining brick wherever damage of surface exists up to a depth of no more than 3/4" to 2" from the finish face of the brick. Color and texture of patching compound shall match existing adjoining brick.

4. Replace damaged bricks in areas as indicated by installing a full bed depth replacement brick in color and size to match the original along with mortar to match original adjoining mortar color. See drawing A3.6 detail no. 1 for tooling and stitching of brick where noted. In addition to the replacement of damaged brick work noted and indicated on the drawings under this "key note", the general contractor must include labor and materials in the base bid of an additional 500 sf of brick to be replaced at the discretion and direction of the NUSDA Project Officer.

5. Replace delaminated brick veneer that has delaminated from its back up masonry wall system by tooling or etching in new brick in areas indicated. Repair shall be consistent with brick type, color, bond pattern, and mortar color to match existing brickwork. Provide stainless steel anchors or pins as per drawing A3.6 detail 3 to insure that the bond pattern is securely anchored to the backup system. In addition to the replacement of delaminated brick work noted and indicated on the drawings under this "key note", the general contractor must include labor and materials in the base bid of an additional 250 sf of brick to be replaced at the discretion and direction of the NUSDA Project Officer.

6. Remove existing brick header pattern at segmental arch window head to sound material where brickwork bonds have failed and replace the ravelled and header pattern of brickwork in color, bond pattern, and mortar color to match existing and adjoining pattern. Provide Stainless Steel anchors or pins as per drawing A3.6 detail 3 to secure the bond pattern to the existing backup system to insure sound anchorage. Removal shall be limited to nonstructural brick veneer elements of the arch.

7. Should there be internal parts of the wall assembly, exposed during repair work associated to items #4, #5, or #6 above that effect the structural integrity of the wall, the GC shall contact the NUSDA Project Manager. Immediately, shall suspend work, and shall protect the area until a final determination on corrective action can be made.

8. NIC (Not In Contract)

9. Do not rake or repoint brick, limestone, or other masonry in the entire area delineated unless otherwise noted within this area delineated by a separate key note.

10. All limestone copings shall have horizontal and vertical joints raked out to a maximum of 3/4" in depth from the finish face of stonework and shall be replaced with a new flush struck mortar. Horizontal sealant joints to match color of adjoining surfaces of stonework or when adjacent to brickwork shall match joint color and joint profile of adjoining brickwork mortar.

11. All projected horizontal limestone, bluestone, or other cast or dressed masonry running trim; the horizontal running and vertical joints shall be raked out to a maximum of 3/4" from their finish face. The vertical running joints shall be replaced with flush struck mortar joints to match color of existing stonework. All perimeter joints shall have new repointed mortar joints to match adjoining color and character of existing masonry joints. A "soft" sealant joint in horizontal joints and caulkant to adjoining masonry joint shall be placed in the continuous horizontal joints and the vertical joints, one along the continuous wall joint between its outside corners of the building to allow for expansion.

12. All limestone or brownstone window sills shall have all horizontal and vertical joints raked out to a maximum of 1/2" depth from the finish face of the sill. Sills shall have joints repointed with sealant color and joint profile to match adjoining mortar at cast stone finish. Running joints of projected sills shall have flush struck sealant joint applied to match the stone color at all vertical running joints. Where the sill becomes a continuous horizontal ornamental stone element such as at the 4th floor auditorium area procedure described for item 11 above.

13. All projected limestone keystone ornaments, and at flush boarded window lintels where joint occurs between dissimilar materials shall have adjoining perimeter joints raked out to a maximum of 1 1/2" depth beyond the surface of the adjoining surfaces. Joints shall be repointed with a sealant joint to match adjoining color and character of adjoining masonry joints.

14. The architectural enticeways on Alyea St, consisting of limestone trim work, revaultments, pilasters, entablatures, and cornice trim shall have all horizontal and vertical joints raked out to within 1/2" of the finish surface and shall have repointed joints of flush struck mortar to match adjoining color and character of stonework. However, provide flush struck sealant joints on all horizontal running joints of enticeway. To weather, and to build-up similar item 10 above for stone coping treatment and where the enticeway and adjoining dissimilar material occurs at changes of plane between brickwork, window sill, or other dissimilar materials.

15. Remove limestone coping as necessary to reset and restore alignment to adjacent plane of coping materials.

16. Patch and repair damaged limestone work with specified masonry patching material. See detail 2/A3.6.

17. Remove existing light fixtures and conduit to facilitate repair of the exterior and restore light fixtures and conduit to their previous location and condition.

18. Remove existing paint, rust, and scale and paint on existing steel lintel and provide a new zinc-aluminum alloy finish to the prime and topcoat to match color of adjoining window or door trim as per the paint specification. In addition, the GC shall rake out the adjoining mortar joints where steel lintel abuts adjoining masonry and install sealant and backer rods to facilitate proper horizontal movement from differential thermal expansions. The backer rod and sealant joint shall be interrupted by bond breaks to the exterior materials. The sealant shall be applied to the exterior materials. Sealant shall be applied horizontally between the masonry and steel but in no circumstances shall it create a seam without weeps to break the continuous bead of sealant.

19. Existing sealants around all wood window casing to receive new aluminum painting or wood casing that shall be removed in its entirety for window replacement shall be tested according to item #2 on A3.6. If the presence of PCB exists it shall be removed, according to proper abatement procedures, prior to installation of new painting or replacement window system. Painting shall be installed according to suggested drawing A1.9 detail 2 and windows according to drawing A1.8 detail 1. New sealant and backer rod shall be installed surrounding all new window projections and painting over existing wood casing unless otherwise directed by the NUSDA Project Manager.

20. Apply a permeable breathable latex exterior opaque masonry painted finish on all masonry surfaces below the limestone or brownstone water table or "water accent band" between the first floor and ground level at the entire perimeter of the building.

21. Repair the cement stucco wall cap and trim band with concrete patching compound to match adjoining surfaces. See similar detail on drawing A3.6 detail 2.

22. Patch and repair damaged bluestone or brownstone all with specified material masonry patching material to match color and material character of existing element. See drawing A3.6 detail 2.

23. Sealant surrounding existing aluminum windows with aluminum painting over existing wood casing shall remain as is, however, the GC shall inspect for poor sealant joints between window units, mullion or other casing elements for open seams that allow opportunities for water infiltration and shall apply new sealant joints. Only where absolutely necessary and with approval of the NUSDA Project Officer shall the GC remove and install new backer rod and sealant unless absolutely necessary.

24. Remove and replace brick metal aluminum cover with new unfinished cavity grill to match existing grille. Remove metal grill covers to clean rod and scale from grid and paint with a primer and finish coats as per paint specifications, reinstall with perimeter sealant and appropriate fasteners.

25. Remove headers to facilitate the repair of damaged brickwork at projected courseswork. Reinstall brickwork and mortar joints to match existing projected brickwork or masonry projections but close the wall with flush bonded courseswork directly behind the masonry to prevent water infiltration. The quantity of bricks required per incident area shall be limited to the quantity defined by item 4 above. However, it may be necessary after closer examination of the areas affected that a more thorough verification of quantity and scope shall be validated by the NUSDA and NPS Project Managers for approval.

26. Replace sections of leadore missing as indicated and by examining photographs. Replace aluminum finished bronze leaders to match existing color, diameter, and gauge of existing leaders. Paint all PVC exposed elements and adjoining piping to match existing adjoining wall color with appropriate primers and finish coatings as per paint specifications.

27. NIC (Not In Contract).

28. Protect or remove existing iron guard railing to facilitate repair and replacement of arwayway curb line along the play yard. Cut and remove the existing macedam curb to facilitate removing at spalled concrete. Repaving, patch and extending the existing applied and damaged cast-in-place concrete retaining to terminate at the existing height necessary to reinstall the existing iron railing and associated hardware so that it create a new curb line approximately 4" above the adjoining macedam pavement. Reinstall the existing iron railing along with all iron tubock

brackets and supports back to the building where it was originally located. Repairs missing, or damaged iron work with like material and repair as per specifications. See detail drawing A1.10 detail 2.

29. Protect the existing iron guard railing of the Alyea St. arwayway to facilitate repairs to the masonry and replacement of windows. Repair all the joints between the curbstones and the new sealant joints at 25ft on center and at north returns to facilitate movement. Redesign the existing arwayway curb stone at the corner and patch and repair cracked stones against the enticeway at the inside corner with masonry repair compound. Reinstall the existing guard railing and brackets back to the building if needed after completion of the masonry restoration and window replacement. Repairs missing, or repair damaged iron work with like materials and repair as per specifications.

30. All ornamental projected continuous stretcher accent lines and diagonally turned header courseswork that forms linear accent trim below the fiberglass cornice line at the second and first floor, and at window arch spring lines, shall be inspected, repaired, and repainted wherever open joints occur. Mortar shall be placed to pitch where possible to drain surface way from the chance of water being drawn into the skin of the veneer wherever possible. The general contractor shall include the cost of labor and materials in their base bid in the amount of 450 linear feet of "stand off" or "recessed" brick detail repair work as indicated in the drawings.

31. Sealant surrounding existing china frames and lower grills shall remain as is, however, the GC shall inspect for poor sealant joints between frames and masonry for open seams that allow opportunities for water infiltration and shall apply new sealant joints. Only where absolutely necessary and with approval of the NUSDA Project Officer shall the GC remove and install new backer rod and sealant unless absolutely necessary.

32. Prage and paint over brick surfaces to match adjacent finish.

33. Scarpe, and prime existing wood sheathing and casing of existing lintel, if lintel after paint removal is discovered to be deteriorated beyond economic repair, replace with pressure treated rough framing and sheathing to match existing framing and sheathing relationships and encapsulate or slope either condition with aluminum cladding as indicated in replacement drawing as suggested in drawing A1.9 detail 2.

34. NIC (Not In Contract)

35. All projected fiberglass cornice repair work shall consist of closing all seams, holes, or separations between vertical or horizontal joints of consecutive sections and their connection to adjoining surfaces. If alignment has been disturbed corrective action shall be taken to realign adjoining elements. The general contractor shall include the cost of labor and material within their base bid of 60 linear feet of fiberglass cornice repair work as indicated in the drawings.

36. All projected copper cornice work repairs shall consist of closing and sealing all holes or separations between vertical or horizontal joints between consecutive sections and their connections to adjoining surfaces. The general contractor shall include the cost of labor and materials within their base bid amount of 40 linear feet of copper cornice repair work as indicated in the drawings.

REMOVED AS PER APPENDIX #1

Draw. No.	A3K
DATE	5-7-12
SCALE	AS SHOWN
TITLE	MASONRY REPAIR KEVED NOTES
PROJECT	5-7-12
DATE	5-14-12