

Augusta County, Virginia

Notice of Invitation for Bids



Issued Date: January 30, 2018

IFB # 43010-18-04

Project Title: Augusta County Circuit Courthouse Improvements – Cupola Painting, Statue Cleaning, Bird Deterrent Installation, Chimney Repointing/Repairing

Work Site: 1 E. Johnson Street, Staunton, VA 24401

Sealed Bids for this project will be received at the location stated below subject to the Conditions cited herein until 2:00 p.m. local time February 23, 2018 for a Class A Contractor to furnish all labor, and equipment necessary to complete the project known as Augusta County Circuit Courthouse – Cupola Painting, Statue Cleaning, Bird Deterrent Installation Project pursuant to the scope of work and specifications as specified.

Location to Submit Bids: Mrs. Corey Richie, Senior Purchasing Assistant
Central Accounting
18 Government Center Ln
PO Box 590
Verona, VA 24482

Additional copies of this Notice may be obtained along with the complete Invitation to Bid at www.co.augusta.va.us or by contacting the Bid Officer:

Mrs. Corey Richie, Senior Purchasing Assistant
Central Accounting
Phone: (540) 245-5741 ext. 1
Email: criche@co.augusta.va.us

A mandatory Pre-Bid meeting has been schedule for 10:00 a.m. local time February 8, 2018 at the Augusta County Circuit Courthouse, 1 E. Johnson St, Staunton, VA. After visiting the site, there will be a meeting at the Augusta County Government Center to discuss the work.

All requests for additional information should be provided in writing by means of a Pre-Bid Question Form available from the Bid Officer. The Pre-Bid Question Form must be directed to the Bid Officer.

Note: This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against a bidder or offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

Augusta County, Virginia

Proposed Schedule of Events

Schedule of Events:

- | | |
|-----------------------------------|-------------------------------|
| 1. Advertise Project: | January 30, 2018 |
| 2. MANADATORY Pre-Bid Conference: | February 8, 2018 – 10 A.M |
| 3. Bid Due Date: | February 23, 2018 – 2:00 P.M. |
| 4. Board of Supervisor Approval: | February 28, 2018 |
| 5. Notice of Intent to Award: | March 1, 2018 |
| 6. Contract Signing: | March 11, 2018 |
| 7. Notice to Proceed: | March 12, 2018 |
| 8. Project Completion: | May 31, 2018 |

Augusta County, Virginia

Instruction to Bidders

The Invitation For Bids (IFB) consists of the Notice, this Instruction To Bidders, the Bid Form, the Pre-Bid Question Form, the proposed Construction Contract with General Conditions, the Special Conditions (if any), the Scope of Work as described by the Plans and Specifications, other documents listed in the Specifications including any applicable forms to be used, and any addenda which may be issued, specifically including any report from a Pre-Bid Conference, all of which request qualified Bidders to submit competitive prices or bids for providing the described work on the project.

1. CONDITIONS AT SITE OR STRUCTURE: Bidders shall visit the site and shall be responsible for ascertaining pertinent local conditions such as location, accessibility, general character of the site or building, and the character and extent of existing work within or adjacent to the site. Claims, as a result of failure to have done so, will not be considered by the County.

2. EXPLANATIONS TO BIDDERS: No oral explanation in regard to the meaning of drawings and specifications will be made and no oral instructions will be given before the award of the contract. Discrepancies, omissions or doubts as to the meaning of any IFB document, drawings or specifications shall be communicated in writing to the designated Bid Officer for interpretation. Bidders should use the "Pre-bid Question Form" provided in the bid documents. Bidders must so act to assure that questions reach the Bid Officer at least ten (10) business days prior to the time set for the receipt of bids to allow a sufficient time for an addendum to reach them before the submission of their bids. If, however, there are two (2) weeks or less between the first bid advertisement and the time set for receipt of bids, then bidders must submit questions so that they reach the Bid Officer no later than three (3) business days prior to the time set for receipt of bids. Any interpretation made will be in the form of an addendum to the IFB which will be forwarded to all Bidders, and its receipt shall be acknowledged by the Bidder on the Bid Form.

3. TIME FOR COMPLETION:

(a) The Contract Completion Date will be designated by the County in the Notice to Proceed in one of the following manners:

(1) If the County specified a mandatory Contract Completion Date in the Invitation for Bids, the date designated in the Notice to Proceed will be no later than that date, or

(2) If a mandatory Contract Completion Date was absent from the Invitation for Bids, the Contract Completion Date designated in the Notice to Proceed will be determined through the bidding process taking into account the Contractor's proposed Time for Completion.

(b) Unless otherwise specified, the Contractor shall achieve Final Completion within thirty (30) days after the date of Substantial Completion.

(c) The Contractor, in preparing and submitting his bid, is required to take into consideration normal weather conditions. Normal weather does not mean statistically average weather, but rather means a range of weather conditions which might be anticipated (*i.e.*, conditions which are not extremely unusual). Normal weather conditions shall be determined from the public historical records available for the Augusta County area, including the U.S. Department of Commerce, Local Climatological Data Sheets, Oceanic and Atmospheric Administration/Environmental Data and Information Service, National Climatic Center and the National Weather Service. No additional compensation will be paid to the Contractor because of adverse weather conditions;

however, an extension of time for abnormal weather will be considered by the County as indicated in the General Conditions.

4. PREPARATION AND SUBMISSION OF BIDS:

- (a) Bids shall be submitted on the forms furnished, or copies thereof, and shall be signed in ink. Erasures or other changes in a bid must be explained or noted over the signature of the bidder. Bids containing any conditions, omissions, unexplained erasures, alterations or items not called for in the proposal, or irregularities of any kind, may be rejected by the County as being incomplete or non-responsive.
- (b) Each bid must give the complete legal name and full business address of the Bidder and be signed by the Bidder, or the Bidder's authorized representative, with his usual signature. Bids by partnerships must be signed in the partnership name by one of the general partners of the partnership or an authorized representative, followed by the designation/title of the person signing, and a list of the partners. Bids by corporations must be signed with the legal name of the corporation followed by the name of the state in which it is incorporated and by the signature and title of the person authorized to bind it in this matter. The name of each person signing shall be typed or printed below the signature. A signature on a bid by a person who identified his title as "President," "Secretary," "Agent," or other designation without disclosing the principal firm, shall be held to be the bid of the individual signing. When requested by the County, satisfactory evidence of the authority of the officer signing on behalf of the corporation shall be furnished. Trade or fictitious names may be referenced by using "t/a _____," but bids shall be in the legal name of the person or entity submitting the bid.
- (c) Bids with the bid guarantee shall be enclosed in a sealed envelope which shall be marked and addressed as indicated by the advertisement. If a contract is for one hundred twenty thousand dollars (\$120,000) or more, or if the total value of all construction, removal, repair or improvements undertaken by the bidder within any twelve-month period is seven hundred fifty thousand dollars (\$750,000) or more, the bidder is required under Title 54.1, Chapter 11, Code of Virginia (1950), as amended, to be licensed in Virginia as a "Class A Contractor." If a contract is for seven thousand five hundred dollars (\$7,500) or more, but less than one hundred twenty thousand dollars (\$120,000), the bidder is required to be licensed in Virginia as a "Class B Contractor." Unless otherwise specified in the Notice of Invitation to Bid, a Class B contractor may bid on project. The bidder shall place on the outside of the envelope containing the bid and shall place in the bid over his signature whichever of the following notations is appropriate and insert his Contractor license/registration number:

Licensed Class ____ (A or B) Virginia Contractor No. _____

If the bidder fails to provide this information on his bid or on the envelope containing the bid and fails to promptly provide said Contractor license number to the County in writing when requested to do so before or after the opening of bids, he shall be deemed to be in violation of Section 54.1-1112 of the Code of Virginia (1950), as amended, and his bid will not be considered.

- (d) The Board for Contractors has interpreted its regulations to mean "a licensed Contractor can bid on a contract which contains work outside his license classification(s) as long as he subcontracts those items for which he is not qualified to perform to licensed contractors with the appropriate License Classification and the work of the second party is incidental to the contract." Therefore, the County may, as a part of determining whether the Bidder is "responsible," require the apparent low Bidder to submit a listing of his subcontractors along with the license number and classification or specialty of each.

- (e) The bidder must also place its Employer Identification Number (SSN or EIN) in the space provided at the bottom of the Bid Form.

5. BID GUARANTEE:

- (a) All construction bids (including the Total Base Bid plus all Additive Bid items) shall be accompanied by a Bid Bond or Certified Check payable to the County as obligee in an amount equal to five percent (5%) of the amount of the bid. A Bid Bond must be issued by a surety company which is legally authorized by the Virginia State Corporation Commission to do fidelity and surety business in the Commonwealth of Virginia. Such Bid Bond shall guarantee that the bidder will not withdraw his bid during the period of thirty (30) days following the opening of bids; that if his bid is accepted, he will enter into a formal contract with the County in accordance with the Contract included as a part of the IFB Documents; that he will submit a properly executed and authorized Standard Performance Bond and Standard Labor and Material Payment Bond acceptable in form and content to the County; and that in the event of the withdrawal of said bid within said period, or failure to enter into said contract and give said bonds within ten (10) days after he has received notice of acceptance of his bid, the bidder shall be liable to the County for the difference between the amount specified in said bid and such larger amount of which the County may contract with another party to perform the work covered by said bid, up to the amount of the bid guarantee. This amount represents the damage to the County on account of the default of the bidder in any particular hereof. See Virginia Code § 2.2-4336.
- (b) See Virginia Code § 2.2-4338 for provisions allowing alternative forms of bid security in lieu of a Bid Bond.
- (c) The Bid Bonds or other bid security will be returned to all except the three lowest bidders after the formal opening of bids. The remaining Bid Bonds or bid security will be returned to the Bidders after the County and the accepted Bidder have executed the Contract and the Performance Bond and the Payment Bond have been approved by the County.
- (d) If the required Contract and bonds have not been executed within thirty (30) days after the date of the opening of the bids, then the bond or other bid security of any Bidder will be returned upon his request, provided he has not been notified of the acceptance of his bid prior to the date of such request.

6. MODIFICATION OF BIDS: A bidder may withdraw or modify their bid provided that the designated officer or agency of the county has received written notice prior to the deadline fixed for bid receipt. The withdrawal or modification must be signed again by the authorized representative of the contractor making the modification or withdrawal. Written modification may be made by a revised sealed bid form, by a writing on the envelope, or by a separate document. The modification should state specifically what is to be modified and by what amount or state the item to be modified and what the correct amount should be. **Unless otherwise specified by the Bidder, the modification will be applied to the TOTAL BASE BID amount shown on the Bid Form.** In order to maintain the integrity of the sealed bidding process, modifications should be phrased as increases or decreases in the total bid (i.e. minus \$5000); they should not state a new total base bid. **The County will not accept bid withdrawals or modifications by telegram, facsimile, or email.**

7. RECEIPT OF BIDS:

- (a) Bids will be received at or before the date and the hour and at the place stipulated in the Invitation for Bids as may be modified by subsequent Addenda.
- (b) It is the responsibility of the Bidder to assure that his bid and any bid modifications are delivered to the place designated for receipt of bids by the date and hour (deadline) set for receipt of bids. Therefore, it is the Bidder's responsibility to take into account all factors which may impact on its bid deliverer/courier's ability to deliver the bid and to implement whatever actions are necessary to have the bid delivered to the proper bid receipt location prior to the bid receipt deadline. No bids or bid modifications submitted or offered after the date and hour designated for receipt of bids will be accepted or considered. **Again, the County will not accept any bid, bid withdrawal, or bid modification by telegram, facsimile, or email.**
- (c) The Bid Officer is the County's representative designated to receive bids at the time and place noted in the IFB and to open the bids received at the appointed time.
- (d) **The official time used for the receipt of responses is determined by reference to the clock designated by the Bid Officer.** The Bid Officer shall determine when the Bid Receipt Deadline has arrived and shall announce that the Deadline has arrived and that no further bids or bid modifications will be accepted. All bids and bid modifications in the possession of the Bid Officer and his assistants at the time the announcement is completed are deemed to be timely, whether or not the bid envelope has been physically date/time stamped or otherwise marked by the time the Bid Officer makes the deadline announcement.

8. OPENING OF BIDS:

- (a) Bids will be opened at the time and place stated in the Invitation for Bids or as modified by subsequent Addenda, and their contents publicly announced. The Bid Officer shall decide when the specified time for bid opening has arrived. No responsibility will be attached to any officer or agent for the premature opening of a bid not properly addressed and identified.
- (b) The provisions of § 2.2-4342 of the Code of Virginia (1950), as amended, shall be applicable to the inspections of bids received.

9. ERRORS IN BIDS: A Bidder may withdraw his bid from consideration if the price bid was substantially lower than the other bids due solely to a mistake therein, provided the bid was submitted in good faith, and the mistake was a clerical mistake as opposed to a judgment mistake, and was actually due to an unintentional arithmetic error or an unintentional omission of a quantity of work, labor or material made directly in the compilation of a bid, which unintentional arithmetic error or unintentional omission can be clearly shown by objective evidence drawn from inspection or original work papers, documents and materials used in the preparation of the bid sought to be withdrawn.

County policy requires that bidders for public construction contracts be given an opportunity to withdraw their bids due to error. The withdrawal procedure outlined below will be utilized:

Withdrawal procedure: 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, documents, and materials used in the preparation of the bid with such notice. The contract shall not be awarded until the two (2) working day period has lapsed.

The delivery of a Bidder's original work papers, documents, and other materials used in preparation of the bid must be submitted either in person or by registered mail. The County will treat the

materials as trade secrets or proprietary information subject to the conditions of subsection F of Virginia Code § 2.2-4342.

No bid shall be withdrawn under this section when the result would be the awarding of the contract to another bid of the same Bidder or of another Bidder in which the ownership of the withdrawing bidder is more than five (5) percent.

No Bidder who is permitted to withdraw a bid shall, for compensation, supply any material or labor to or perform any subcontract or other work agreement for the person or firm to whom the contract is awarded or otherwise benefit, directly or indirectly, from the performance of the project for which the withdrawn bid was submitted.

If a bid is successfully withdrawn, the lowest remaining bid shall be deemed to be the lowest bid. However, the County may deny the withdrawal of a bid subsequent to Virginia Code § 2.2-4330. The County must notify the Bidder in writing of its decision stating its reasons and award the contract to such Bidder at the bid price, provided that such Bidder is responsible and responsive.

10. REJECTION OF BIDS: The County reserves the right to cancel the Invitation to Bid and to reject all bids at its sole discretion when such rejection is in the interest of the County, or to reject the bid of any Bidder who is determined to be not responsive or responsible. A statement justifying the decision to reject all bids will be placed in the procurement file.

11. DETERMINATION OF RESPONSIBILITY: Each bidder shall be prepared, if so requested by the County, to present evidence of his experience, qualifications and financial ability to carry out the terms of the Contract.

Prior to award of the Contract, an evaluation will be made to determine if the low Bidder has the capability, in all respects, to perform fully the contract requirements and the moral and business integrity and reliability which will assure good faith performance, and who has been pre-qualified, if required. Factors to be evaluated include, but are not limited to:

- (a) sufficient financial ability to perform the contract as evidenced by the bidder's ability to obtain payment and performance bonds from an acceptable surety;
- (b) appropriate experience to perform the Work described in the bid documents;
- (c) any judgments entered against the bidder, or any officers, directors, partners or owners for breach of a contract for construction;
- (d) any substantial noncompliance with the terms and conditions of prior construction contracts with a public body without good cause where the substantial noncompliance is documented;
- (e) a conviction of the bidder or any officer, director, partner, project manager, procurement manager, chief financial officer, or owner in the last five years of a crime relating to governmental or non-governmental construction or contracting; or
- (f) any current debarment of the contractor, any officer, director or owner, from bidding or contracting by any public body of any state, any state agency, or any agency of the federal government.

The County reserves the right to disqualify or refuse to accept the bid of any Bidder who has been convicted, or entered a plea of guilty or *nolo contendere*, in any federal or state court to any charge involving any unlawful, corrupt or collusive practice involving a public contract whether federal, state or

local, or who has been determined in any judicial proceeding to have violated any antitrust, bid-rigging or collusive practice statute in connection with any public contract, or against whom such formal criminal prosecution or other judicial proceeding has been instituted.

A Bidder who, despite being the apparent low Bidder, is determined not to be a responsible bidder shall be notified in writing in conformance with the procedures in section 2.2-4359 of the Code of Virginia (1950), as amended.

12. AWARD OF CONTRACT:

- (a) **Basis for Contract Award:** The Contract, if awarded, will be awarded to the lowest responsive and responsible Bidder, if any, provided his bid is reasonable and it is in the best interest of the County to accept it and subject to the County's right to reject any and all bids and to waive informality in the bids and in the bidding. The Bid Form may contain a multi-part Base Bid and may contain Additive Bid Items. Determination of the lowest responsive Bidder, if any, will be based on the Total Base Bid Amount **entered on the Bid Form** including any properly submitted bid modifications plus as many Additive Bid Items taken in sequence as the County in its discretion chooses to award. **Where the sum of the values entered in the multiple parts do not agree with the Total Base Bid amount, the Total Base Bid amount entered on the bid form, including any properly submitted bid modifications, shall take precedence. Also, where there is a discrepancy between the total base bid in its written format and the total base bid in its numeric format, the written format shall prevail. The County reserves the right to, prior to contract signing, remove one or more of the items included in the Scope of Work**
- (b) **Lowest Bidder:** The lowest bidder is normally the bid that guarantees the performance of the contract requirements for the least dollar amount within a reasonable amount of time. However, the County may take into account variations in the bids' times for completion by considering the possibility of either a positive or negative fiscal impact. In their discretion, the County may perform a cost-savings analysis taking into account potential profits from use, savings on other expenses, and any other financial benefits that may derive from an earlier completion date. If after such analysis a bid with a greater Total Base Bid and earlier completion date is determined to actually be the lowest bidder, that bidder will be awarded the contract.
- (c) **Informalities:** The County reserves the right to waive any informality in the bids when such waiver is in the interest of the County.
- (d) **Negotiation With Lowest Responsible Bidder:** If award of a contract to the lowest responsive and responsible Bidder is precluded because of limitations on available funds, under the provisions of Virginia Code § 2.2-4318 (the Public Procurement Act), the County reserves the right to negotiate the Total Base Bid amount with the lowest responsive, responsible Bidder to obtain a contract price within the available funds. This may involve changes in either the features or scope of the work included in the Base Bid. Such negotiations with the apparent low Bidder may include reducing the quantity, quality, or other cost saving mechanisms involving items in the Total Base Bid. Negotiations for Additive Bid Items are excluded. The County shall notify the lowest responsive and responsible Bidder that such a situation exists and the County and Bidder shall then conduct their negotiations in person, by mail, by telephone or by any means they find convenient. If an acceptable contract can be negotiated, the changes to the Invitation for Bid documents agreed upon in the negotiations shall be summarized in a "Post Bid Modification" and included in the contract. If an acceptable contract cannot be negotiated, the County shall terminate negotiations and reject all bids.

- (e) **Notice of Award:** The Notice of Award, the Notice of Intent to Award, or the Notice of Decision to Award will be posted at the County's standard location for posting notices. In addition the County may also post such notice on the County's website.

13. ETHICS IN PUBLIC CONTRACTING: The provisions, requirements and prohibitions as contained in § 2.2-4367 *et seq.* Code of Virginia (1950), as amended, pertaining to bidders, offerors, contractors, and subcontractors are applicable to this project.

14. PRE-BID CONFERENCE: A pre-bid conference has been scheduled as indicated in the invitation to bid. **The pre-bid conference is mandatory.** Should any potential bidders have questions, they may submit them to Corey Richie using the Pre-Bid Question Form found on page 14. Forms may be submitted by emailing crichie@co.augusta.va.us. In the event specific information not contained in this Invitation for Bids is provided to any bidder, the same specific information will be provided to any other bidders who have indicated interest in the contract with the County. **Please note, the access door is approximately 18 inches wide and 26 inches high. If other means of access is need to the work site for inspection, the contractor will be responsible.**

Augusta County, Virginia Bid Form

Project Title: Augusta County Circuit Courthouse Improvements – Cupola Painting, Statue Cleaning, Bird Deterrent Installation, Chimney Repointing/Repairing

IFB # 43010-18-04

Qualification of Bidders:

Under Virginia law, all bidders must prove their eligibility to perform and / or satisfy the requirements of this contract before bidding. To this end, all bidders must be properly licensed or certified and have not been debarred.

License or Certificate Number: _____

Note: This should also appear on the outside of your sealed bid.

Bidders must also have the capability in all respects to fully satisfy all of the contractual requirements.

Years in Business:

Indicate the length of time your firm has been in business providing this type of construction:

_____ years _____ months.

References:

Indicate below a listing of at least three (3) **recent** references for whom you have provided construction of **similar scope and time frame**. Include the date service was furnished and the name and address of the person bid officer has your permission to contact.

Date	Client	Telephone Number / Contact
_____	_____	() _____
	_____	_____

_____	_____	() _____
	_____	_____

_____	_____	() _____
	_____	_____

Bidder’s Proposal:

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with the County in the form included in the Invitation to Bid to perform all work as specified or indicated for the prices and within the timed indicated in this Bid and in accordance with the terms and conditions of the Invitation to Bid.

Bidder accepts all of the terms and conditions of the Invitation to Bid including the Instructions to Bidders. Specifically, the Bidder accepts without limitation those terms and conditions dealing with the disposition of Bid Security. The Bid will remain subject to acceptance for 180 (one hundred eighty) days after the Bid opening, or for such longer period of time that the Bidder may agree to in writing upon request of the County.

Bidder’s representations:

In submitting this Bid, Bidder represents, as set forth in the Invitation for Bids, that:

- A. Bidder has examined and carefully studied all documents contained in the Invitation to Bid and the following addenda, receipt of which is hereby acknowledged.

- B. Bidder has visited the site and become familiar with and is satisfied as to the general, local, and site conditions that may affect cost, progress, and performance of the work.
- C. Bidder is familiar with and is satisfied as to all federal, state, and local laws and regulations that may affect cost, progress, and performance of the work.
- D. Bidder has carefully studied all applicable explorations and tests including, but not limited to, subsurface and / or hazardous environmental conditions.
- E. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the work at the price bid.
- F. Bidder is aware of the general nature of work to be performed by the County and others at the site that relates to the work.
- G. Bidder has given the County written notice of all conflicts, errors, ambiguities, or discrepancies that the Bidder has discovered in the Invitation to Bid and subsequent addendum, and the written resolution thereof by the County is acceptable.
- H. The Invitation for Bids and subsequent addendum are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the work for which this Bid is submitted.

Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over the County.

Bidder will complete the Work in accordance with the Contract Documents for the following, in accordance with the attached price schedule.

Bids shall be **LUMP SUM** and shall include **ALL WORK** necessary to complete the project to the full intent of the plans. **In the event of additions or deductions** to the work required by the Contract Documents, the Contractor will be paid extra or shall credit the Owner, as the case may be, on the basis of

the unit prices quoted herein. Prices shall include all overhead, profit, labor, materials, equipment and incidental work and shall be the sum total compensation payable or creditable for such items of work in place. These unit prices shall be good for the duration of the contract.

Bids will be considered irregular and may be rejected if the unit prices contained in the bid are obviously unbalanced so that they are substantially in excess of the cost analysis values as determined by the Augusta County Engineer's Office. Augusta County reserves the right to reject an individual unit price included herein.

Cupola Preparation and Painting

(MUST BE IN NUMERIC AND WRITTEN FORMAT) \$ _____ (NUMERIC)

_____ Dollars (WRITTEN)

This blank is your definite bid. Failure to correctly complete this blank will not be considered an informality under any circumstances. The written entry will take precedence over the numeric entry.

Statue Cleaning and Repair

(MUST BE IN NUMERIC AND WRITTEN FORMAT) \$ _____ (NUMERIC)

_____ Dollars (WRITTEN)

This blank is your definite bid. Failure to correctly complete this blank will not be considered an informality under any circumstances. The written entry will take precedence over the numeric entry.

Bird Deterrent Installation

(MUST BE IN NUMERIC AND WRITTEN FORMAT) \$ _____per foot(NUMERIC)

_____ Dollars (WRITTEN)

This blank is your definite bid. Failure to correctly complete this blank will not be considered an informality under any circumstances. The written entry will take precedence over the numeric entry.

Chimney Repointing and Repair

(MUST BE IN NUMERIC AND WRITTEN FORMAT) \$ _____ (NUMERIC)

_____ Dollars (WRITTEN)

This blank is your definite bid. Failure to correctly complete this blank will not be considered an informality under any circumstances. The written entry will take precedence over the numeric entry.

TOTAL BASE BID

(MUST BE IN NUMERIC AND WRITTEN FORMAT) \$ _____ (NUMERIC)

_____ Dollars (WRITTEN)

This blank is your definite bid. Failure to correctly complete this blank will not be considered an informality under any circumstances. The written entry will take precedence over the numeric entry.

Price of Demobilizing Scaffolding \$ _____ (Please see page 41, #22 of Special Terms and Conditions for information)

EARLIEST POSSIBLE START DATE: _____

Firm Name and Address:

Telephone () _____

Fax () _____

Signature: _____

Date: _____

Type/Print: _____

Title: _____

EIN#: _____

Email: _____

Augusta County, Virginia

Pre-Bid Question Form

Project Title: Augusta County Circuit Courthouse Improvements – Cupola Painting, Statue Cleaning, Bird Deterrent Installation, Chimney Repointing/Repairing

IFB: # 43010-18-04

The undersigned potential Bidder would like to request a written clarification, interpretation, or explanation to the following question or question(s):

Please note that all questions should be directed to the Bid Officer designated on the Notice of Invitation to Bid and should be received at least six (6) business days prior to the time set for the receipt of bids to allow for sufficient time for an addendum to reach all Bidders. If there are two (2) weeks or less between the issuance of the Invitation to Bid and the time set for receipt of bids, then Bidders may continue to submit questions up until three (3) business days prior to the time set for receipt of bids.

The County will endeavor to respond to all inquiries in the timeliest manner possible. However, if in their discretion they determine the inquiry to be inappropriate for any reason, the County may refuse to respond. Multiple inquiries of substantially the same question may be answered in one addendum.

Firm Name and Address:

_____	Telephone (____) _____
_____	Fax (____) _____
_____	Email _____

Signature: _____

Date: _____

Title: _____

AUGUSTA COUNTY, VIRGINIA

**CONSTRUCTION CONTRACT
WITH GENERAL CONDITIONS**

Project Title: Augusta County Circuit Courthouse Improvements – Cupola Painting, Statue Cleaning, Bird Deterrent Installation, Chimney Repointing/Repairing

IFB # 43010-18-04

THIS AGREEMENT, made and entered into this _____ day of _____, 20____, by and between **THE COUNTY OF AUGUSTA, VIRGINIA**, a political subdivision of the Commonwealth of Virginia, hereinafter referred to as "County" or "Owner," and _____, hereinafter referred to as "Contractor."

W I T N E S S E T H:

For and in consideration of the mutual covenants contained herein, the parties agree as follows:

1. Contract documents. The Contract between County and Contractor shall consist of this document signed by the County and Contractor and the following documents which are expressly incorporated herein:

- A. The Invitation for Bids and the Bid submitted.
- B. General Conditions.
- C. Special Conditions & Special Provisions.
- D. Technical Specifications
- E. All modifications, including addenda and subsequent change orders.
- F. Any other documents expressly incorporated herein, or in any other construction document.

2. Contractor's obligations. the contractor shall (A) furnish all of the materials and perform all of the work in the construction of _____,

hereinafter called the "Work," as more specifically defined in the attached General Conditions, in accordance with the attached Plans and Specifications on the land owned by the County designated as

_____ in

Augusta County, Virginia; and (B) perform and observe all its other obligations under the Contract Documents.

3. County's obligations. The County shall (A) pay the Contractor the Contract Price for its performance, in accordance with and subject to the applicable provisions in the attached Special Conditions; (B) obtain any needed construction financing; and (C) perform and observe all its other obligations under the Contract Documents.

4. Contract price. The contract price shall be the total base bid plus or minus any modifications, including addenda and subsequent change orders. The total base bid is \$_____.

WITNESS the following signatures and seals:

COUNTY OF AUGUSTA, VIRGINIA

By: _____

(SEAL)

ATTEST: _____

Contractor

By: _____

(SEAL)

ATTEST: _____

**AUGUSTA COUNTY, VIRGINIA
CONSTRUCTION CONTRACT**

TERMS AND GENERAL CONDITIONS

1. DEFINITIONS

Whenever used in these General Conditions of the Construction Contract ("General Conditions") or in the Contract Documents, the following terms have the meanings indicated, which are applicable to both the singular and plural and the male and female gender thereof:

Beneficial Occupancy: The condition after Substantial Completion but prior to Final Completion of the Project at which time the Project, or portion thereof, is sufficiently complete and systems operational such that the County could, after obtaining necessary approvals and certificates, occupy and utilize the space for its intended use. Guarantees and warranties applicable to that portion of the Work begin on the date the County accepts the Project, or a portion thereof, for such Beneficial Occupancy, unless otherwise specified in the Supplemental Conditions or by separate agreement.

Change Order: A document issued on or after the effective date of the Contract between County and Contractor which is agreed to by the Contractor and approved by the County, and which authorizes an addition, deletion or revision in the Work, including any adjustment in the Contract Price and/or the Contract Completion Date. A Change Order, once signed by all parties, is incorporated into and becomes a part of the Contract.

Construction: The term used to include new construction, reconstruction, renovation, restoration, major repair, demolition and all similar work upon buildings and ancillary facilities, including any draining, dredging, excavation, grading or similar work upon real property.

Contract: This document signed by the County and Contractor, including all bid documents and other Contract Documents, hereinafter referred to as the Contract.

Contract Completion Date: The calendar date by which the Work must be substantially complete. The Contract Completion Date is customarily established in the Notice To Proceed, based on the Time for Completion. In some instances, however, the Contract contains a mandatory Contract Completion Date, which shall be stated in the Invitation to Bid. The Contract Completion Date may only be modified by a duly approved Change Order.

Contract Documents: The Contract between County and Contractor signed by the County and the Contractor and any documents expressly incorporated therein. Such incorporated documents customarily include the Invitation to Bid, the Bid submitted by the Contractor, these General Conditions, any Supplemental Conditions, the plans and specifications, all modifications to the foregoing, including addenda and subsequent Change Orders, and all documents incorporated by reference in the foregoing.

Contract Price: The total compensation payable to the Contractor for performing the Work, subject to modification by Change Order.

Contractor: The person with whom the County has entered into a contractual agreement to do the Work.

County: Augusta County, or the agency or department thereof which is a party to the Contract. For purposes of the Contract, the term County shall include the County, whether or not the County owns the site or the building.

County's or Owner's Representative: The Owner's Representative as used herein shall be the County's designated representative on the Project. The Owner's Representative shall be the person through whom the County generally conveys written decisions and notices. In the event of the incapacity or other unavailability of the designated Owner's Representative, the County Administrator shall be the Owner's Representative until a substitute is named.

Day(s): Calendar day(s) unless otherwise noted.

Defective: An adjective which, when modifying the word Work, refers to Work that is unsatisfactory, faulty, deficient, does not conform to the Contract Documents or does not meet the requirements of inspections, standards, tests or approvals required by the Contract Documents, or Work that has been damaged prior to final payment (unless responsibility for the protection thereof has been expressly assumed by County at Substantial Completion or Beneficial Occupancy).

Drawing: A page or sheet of the Plans which presents a graphic representation, usually drawn to scale, showing the technical information, design, location, and dimensions of various elements of the Work. The graphic representations include, but are not limited to, plan views, elevations, transverse and longitudinal sections, large and small scale sections and details, isometrics, diagrams, schedules, tables and/or pictures.

Emergency: Any unforeseen situation, combination of circumstances, or a resulting state that would result in one or more of the following: (a) danger to life or property, (b) interruption or termination of essential services, (c) substantial financial loss to the procuring agency, or (d) inability to meet a mandatory deadline.

Field Order: A written order issued by the County's Representative which clarifies or explains the plans or specifications, or any portion or detail thereof, without changing the design, the Contract Price, the Time for Completion or the Contract Completion Date.

Final Completion Date: The date of the County's acceptance of the Work from the Contractor upon confirmation from the County's Representative and the Contractor that the Work is totally complete.

Notice: All written notices, including demands, instructions, claims, approvals and disapprovals, required or authorized under the Contract Documents. Any written notice by either party to the Contract shall be sufficiently given by any one or combination of the following, whichever shall first occur: (1) delivered by hand to the last known business address of the person to whom the notice is due; (2) delivered by hand to the person's authorized agent, representative or officer wherever they may be found; or (3) enclosed in a postage prepaid envelope addressed to such last known business address and delivered to a United States Postal Service official or mailbox. Notice is effective upon such delivery. All notices to the County should be directed to the County's Representative.

If the County and the Contractor agree in writing that Notices transmitted by Facsimile (Fax) or Email are acceptable for the Project, such Notice shall be transmitted to the Fax number or Email address listed in the agreement and, in the case of Fax, shall have a designated space for the Fax Notice recipient to acknowledge his receipt by authorized signature and date. The Fax Notice with authorized signature acknowledging receipt shall be Faxed back to the sender. The Faxed Notice shall be effective on the date it is acknowledged by authorized signature. Emailed notices shall be acknowledged by Reply Email upon receipt. All Faxed and Emailed Notices shall also be sent by hard copy, which shall be effective upon delivery, as provided herein. Notice shall be effective upon the date of acknowledgment of the Faxed or the Emailed Notice or the date of delivery, whichever occurs first.

Notice to Proceed: A written notice given by the County to the Contractor fixing the date on which the Contract time will commence for the Contractor to begin the prosecution of the Work in accordance with the requirements of the Contract Documents. The Notice to Proceed will customarily identify a Contract Completion Date.

Owner: Augusta County, Virginia.

Person: This term includes any individual, corporation, partnership, association, company, business, trust, joint venture, or other legal entity.

Plans: The term used to describe the group or set of project-specific drawings which are included in the Contract Documents.

Project: The term used instead of the specific or proper assigned title of the entire undertaking which includes, but is not limited to, the "Work" described by the Contract Documents.

Project Inspector: One or more persons utilized by the County to inspect the Work for the County and/or to document and maintain records of activities at the Site to the extent required by the County. The County shall notify the Contractor in writing of the appointment of such Project Inspector(s).

Provide: Shall mean furnish and install ready for its intended use.

Site: Shall mean the location at which the Work is performed or is to be performed.

Specifications: That part of the Contract Documents containing the written administrative requirements and the technical descriptions of materials, equipment, construction systems, standards, and workmanship which describe the proposed Work in sufficient detail and provide sufficient information for the Building Official to determine code compliance and for the Contractor to perform the Work.

Subcontractor: A person having a direct contract with Contractor or with any other Subcontractor for the performance of the Work.

Submittals: All shop, fabrication, setting and installation drawings, diagrams, illustrations, schedules, samples, and other data which are specifically prepared by or for the Contractor to illustrate some portion of the Work and all illustrations, brochures, standard schedules, performance charts, instructions, diagrams and other information prepared by a Supplier and submitted by the Contractor to illustrate material, equipment or conformance of some portion of the Work with the requirements of the Contract Documents.

Substantial Completion: The condition when the County agrees that the Work, or a specific portion thereof, is sufficiently complete, in accordance with the Contract Documents, so that it can be utilized by the County for the purposes for which it was intended. The County at its sole discretion may, after obtaining the necessary approvals and certificates, take Beneficial Occupancy at this time or choose to wait to occupy until after Final Completion is achieved.

Supplier: A manufacturer, fabricator, distributor, materialman or other vendor who provides material for the Project but does not provide on-site labor.

Time for Completion: The number of consecutive days following the issuance of the Notice to Proceed which the Contractor has to substantially complete all Work required by the Contract. When the Notice to Proceed is issued, it states a Contract Completion Date, which has been set by the County based on the Time for Completion. The Time for Completion may only be modified by a duly approved Change Order.

Underground Facilities: Any item of public or private property which is buried or placed below ground or submerged for use in connection with the storage or conveyance of water, sewage, electronic telecommunications, electric energy, cable television, oil, petroleum products, gas, or other substances, and includes but is not limited to pipes, sewers, combination storm/sanitary sewer systems, conduits, wells, cables, valves, lines, wires, manholes, attachments, and those portions of poles below ground.

Work: The services performed under this Contract including, but not limited to, furnishing labor, and furnishing and incorporating materials and equipment into the construction. The Work also includes the entire completed construction, or the various separately identifiable parts thereof, required to be furnished under the Contract Documents.

2. CONTRACT DOCUMENTS

(a) Original copies. The Contract between County and Contractor shall be signed by the County and the Contractor in as many original counterparts as may be mutually agreed upon, each of which shall be considered an original.

(b) Time of the essence. All time limits stated in the Contract Documents, including but not limited to the Time for Completion of the Work, are of the essence of the Contract.

(c) Severability clause. If any provision of this Contract shall be held invalid by any court of competent jurisdiction, such holding shall not invalidate any other provision.

(d) Conflicting clauses. In the event there is a conflict between the provisions of the General Conditions and Special Conditions, the provisions of the Special Conditions shall apply. A specific provision in any other Contract Document shall take precedence over a provision of the General Conditions unless such precedence would result in a violation of law.

3. LAWS AND REGULATIONS

- (a) The Contractor shall comply with all laws, ordinances, rules, regulations and lawful orders of any public authority bearing on the performance of the Work and shall give all notices required thereby.
- (b) The Contractor shall assure that all Subcontractors and tradesmen who perform Work on the project are properly licensed by the Department of Professional and Occupational Regulation as required by the Code of Virginia and applicable regulations.
- (c) If the Contractor violates laws or regulations that govern the Project, the Contractor shall indemnify and hold the County harmless against any fines and/or penalties that result from such violation. To the extent that such violation is the result of negligence or other actionable conduct of the Contractor, the Contractor shall indemnify and hold the County harmless against any third party claims, suits, awards, actions, causes of action or judgments, including but not limited to attorney's fees and costs incurred thereunder, that result from such violation.

4. NONDISCRIMINATION

(a) During the performance of this Contract, the Contractor agrees as follows:

- i. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide 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.
- ii. 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.
- iii. 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.
- iv. The Contractor will include the provisions of the foregoing paragraphs in every subcontract or purchase order of over ten thousand dollars (\$10,000), so that the provisions will be binding upon each Subcontractor or vendor.

(b) Where applicable, laws protecting the rights of the disabled, including the Virginians with Disabilities Act and the federal Americans with Disabilities Act, shall apply to the Contractor and all Subcontractors.

(c) It is the policy of the County of Augusta that the County and its employees undertake every effort to increase the opportunity for utilization of minority-owned and woman-owned businesses in all aspects of procurement to the maximum extent feasible. Accordingly, the Contractor agrees:

i. In connection with the performance of this contract, the Contractor agrees to use his or her best effort to carry out this policy and to insure that minority-owned and woman-owned businesses shall have the maximum practicable opportunity to compete for subcontract work under this contract consistent with the efficient performance of this contract.

ii. As used in this contract the term "minority-owned business" means a business or other entity that is at least fifty-one (51) percent owned and controlled by one or more socially and economically disadvantaged person(s). For purposes of this definition, the term "control" shall mean exercising the power to make policy decisions and being actively involved in day-to-day management. Such disadvantage may arise from cultural, racial, chronic economic circumstance or background or other similar cause. Such persons include, but are not limited to, Black Americans, Hispanic Americans, Asian Americans, Eskimos, and Aleuts.

iii. As used in this contract the term "woman-owned business" means a business or other entity that is at least fifty-one (51) percent owned and controlled by one or more women. For purposes of this definition, the term "control" shall mean exercising the power to make policy decisions and being actively involved in day-to-day management.

iv. Prior to final payment, the Contractor must provide documentation regarding the actual good faith minority-owned business participation efforts undertaken in connection with the contract. In connection with the performance of this contract, "good faith efforts" shall mean those measures which were utilized to allow equitable participation of minority employees and subcontractors.

v. Contractors may rely on oral or written representations by subcontractors regarding their status as minority-owned or woman-owned business enterprises in lieu of independent investigation.

vi. Where Federal grants or monies are involved it is the policy of Augusta County, through its agents and employees, to comply with the requirements set forth in the U.S. Office of Management and Budget Circular No. A-102, uniform administrative requirements for Grants and Cooperative Agreements with State and Local Governments, as they pertain to small and minority business utilization.

5. PROHIBITION OF ALCOHOL AND OTHER DRUGS

(a) During the performance of this contract, the contractor agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) 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; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor. 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 in accordance with this chapter, 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.

(b) The Contractor shall also establish, maintain and enforce policies which prohibit the following acts by all Contractor, Subcontractor and Supplier personnel at the Site: (1) the manufacture, distribution, dispensation, possession, or use of alcohol, marijuana or other drugs, except possession and medically prescribed use of prescription drugs; and (2) the impairment of judgment or physical abilities due to the use of alcohol, marijuana or other drugs, including impairment from prescription drugs.

6. CONTRACT COMPLETION DATE AND TIME FOR COMPLETION

(a) The Contract Completion Date will be designated by the County in the Notice to Proceed. An earlier date may be determined through the bidding process taking into account the Contractor's proposed Time for Completion.

(b) The Work must be substantially completed by the Contract Completion Date. Unless otherwise specified, the Contractor shall achieve Final Completion within thirty (30) days after the date of Substantial Completion.

(c) The Contractor, in submitting his Time for Completion, acknowledges that he has taken into consideration normal weather conditions. In addition, the Contractor recognizes that only adverse abnormal weather conditions will be considered as a basis for Change Orders. Normal weather does not mean statistically average weather, but rather means a range of weather patterns which might be anticipated based on weather data from the past ten (10) years. Abnormal weather conditions means only those extremely unusual weather patterns that radically deviate from the public historical records available and that reasonably impair the progress of work. No additional compensation will be paid to the Contractor because of abnormal weather conditions; however, a Change Order modifying the Contract Completion Date based upon abnormal weather will be considered by the County in extraordinary circumstances. In order to request an extension of time due to weather, the Contractor must petition the County within seven (7) days of the completion of the calendar month during which the abnormal weather is claimed to have occurred.

(d) The Contractor represents and agrees that he has taken into account in his bid the requirements of the bid documents, local conditions, availability of materials, equipment, and labor, and any other factors which may affect the performance of the Work. The Contractor agrees and warrants that he will achieve Substantial Completion of the

Work to allow the County to have Beneficial Occupancy not later than the Time for Completion or Contract Completion Date. The Contractor agrees and warrants that he will achieve Final Completion of the Work (the entire completion of all Work, including "punch list" items), not later than thirty (30) days after achieving Substantial Completion, unless otherwise agreed by the County.

(e) Early Completion of Project: Extensions of time, damages for delay, and all other matters between the County and the Contractor will be determined using the contractually required Substantial Completion date. However, the Contractor may attempt to achieve Substantial Completion on or before the Contract Completion Date. Such planned early completion shall be for the Contractor's convenience only and shall not create any additional rights of the Contractor or obligations of the County under this Contract, nor shall it change the Time for Completion or the Contract Completion Date. The Contractor shall not be required to pay damages to the County because of its failure to achieve Substantial Completion by its planned earlier date. Likewise, the County shall not pay the Contractor any additional compensation for achieving Substantial Completion early nor will the County owe the Contractor any compensation should the County, its officers, employees, or agents cause the Contractor not to achieve Substantial Completion earlier than the date required by the Contract Documents.

(f) Late Completion of Project: In the event the Contractor wishes to modify the Contract Completion Date, he must comply with Section 43: Damages for Delay; Extensions of Time.

9. CONDITIONS AT SITE

(a) The Contractor bears the risk of unforeseen difficulties with site conditions during the performance of the contract. The Contractor shall have visited the Site prior to bidding and is totally responsible for having ascertained pertinent local conditions such as location, accessibility and general character of the Site, and the character and extent of existing improvements and work within or adjacent to the Site. Claims, which result from the Contractor's failure to do so, will be deemed waived.

(b) If, in the performance of the Contract, subsurface or latent conditions at the Site are found which are materially different from those frequently present in the County or from those indicated in the Contract Documents, the Contractor must report such conditions to the County and to the A/E before the conditions are disturbed. Upon such notice, or upon his own observation of such conditions, the A/E shall promptly propose such changes in the Contract Documents as he finds necessary to conform to the different conditions.

(c) If the Contractor, during the course of the Work, observes the existence of any material which he knows, should know, or has reason to believe is hazardous to human health, the Contractor shall promptly notify the County. The County will provide the Contractor with instructions regarding the disposition of the material. The Contractor shall not perform any Work involving the material or any Work causing the material to be less accessible prior to receipt of special instructions from the County.

8. CONTRACT SECURITY

(a) The Contractor shall deliver to the County or its designated representative, a Standard Performance Bond and a Standard Labor and Material Payment Bond, each fully executed by the Contractor and one or more surety companies legally licensed to do business in Virginia and each in an amount equal to one hundred percent (100%) of the accepted bid. If more than one surety executes a bond, each shall be jointly and severally liable to the County for the entire amount of the bond. Sureties shall be selected by the Contractor, subject to approval by the County. No payment on the Contract shall be due and payable to the Contractor until the bonds have been approved by the County and its attorney.

(b) Alternative forms of security for payment and/or performance may be accepted in the discretion of the County.

9. SUBCONTRACTS

(a) The Contractor shall, as soon as practicable after the signing of the Contract, notify the County in writing of the names of all Subcontractors proposed for the principal parts of the Work and of such other parts as the County's Representative may direct. Where the specifications establish qualifications or criteria for Subcontractors, manufacturers, or individuals performing Work on the Project, the Contractor shall be responsible for ascertaining

that those proposed meet the criteria or qualifications. The Contractor shall not employ any Subcontractor that the County may, within a reasonable time, object to as unsuitable. The County shall not direct the Contractor to contract with any particular Subcontractor unless provided in the Supplemental Conditions.

(b) The County shall, on request, furnish to any Subcontractor, if practicable, the amounts of payments made to the Contractor and Requests for Payment submitted by the Contractor and any other documentation submitted by the Contractor which would tend to show what amounts are due and payable by the Contractor to the Subcontractor.

(c) The Contractor shall be fully responsible to the County for all acts and omissions of his agents and employees and all succeeding tiers of Subcontractors and Suppliers performing or furnishing any of the Work. Nothing in the Contract Documents shall create any contractual relationship between the County and any such Subcontractor, Supplier or other person or organization, nor shall it create any obligation on the part of the County to pay for or to see to the payment of any moneys due any such Subcontractor, Supplier or other person or organization, except as may otherwise be required by law.

(d) The Contractor shall be fully responsible for his invitees at the Site and for those of his Subcontractors, Suppliers, and their employees, including any acts or omissions of such invitees.

(e) The Contractor agrees that he alone is responsible for all dealings with his Subcontractors and Suppliers, and their subcontractors, employees and invitees, including, but not limited to, the Subcontractors' or Suppliers' claims, demands, actions, disputes and similar matters unless specifically provided otherwise by the Contract or by statute.

[SECTION 10 OMITTED]

11. INDEMNIFICATION

Except as provided in § 11-4.1 of the Code of Virginia, the Contractor agrees to indemnify, defend and hold harmless the County, its officers, agents, and employees from any claims, damages and actions of any kind or nature, whether at law or in equity, arising from or caused by the use of any materials, goods, or equipment of any kind or nature furnished by the Contractor, or arising from or caused by any services of any kind or nature provided by the Contractor, provided that such liability is not attributable to the sole negligence of the County or to failure of the County to use the materials, goods, or equipment in the manner already and permanently described by the Contractor on the materials, goods or equipment delivered.

12. CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE

(a) The Contractor shall not commence Work under this Contract until he has obtained all the insurance required hereunder from an insurer authorized to do business in Virginia and such insurance has been approved by the County; nor shall the Contractor allow any Subcontractor to commence Work on his subcontract until the same types of insurance in an appropriate amount have been obtained by the Subcontractor and approved by the Contractor. Approval of insurance by the County shall not relieve or decrease the liability of the Contractor hereunder.

(b) The Contractor shall take out and shall maintain at all times during the performance of the Work Workers' Compensation and Employers' Liability Insurance for all of his employees engaged in the Work in an amount not less than the minimum required by §11-46.3 and §65.2-100 et seq. of the Code of Virginia, and, in case any of the Work is sublet, the Contractor shall require each Subcontractor similarly to provide Workers' Compensation and Employers' Liability Insurance for all of the latter's employees to be engaged in the Work. The Contractor shall submit on the form provided by the County a Certificate of Coverage verifying Workers' Compensation coverage prior to award of the Contract. The Contractor shall likewise obtain a Certificate of Coverage for Workers' Compensation coverage from each subcontractor prior to awarding the subcontract and shall provide a copy to the County.

(c) During the performance of the Work under this Contract, the Contractor shall maintain commercial general liability insurance to include Premises / Operations Liability, Products and Completed Operations Coverage, Independent Contractor's Liability, County's and Contractor's Protective Liability, and Personal Injury Liability, which shall insure him against claims of personal injury, including death, as well as against claims for property damage, which may arise from operations under this Contract, whether such operations be by himself or by any

Subcontractor, or by anyone directly or indirectly employed by either of them. The amounts of general liability insurance shall be not less than \$1,000,000 per occurrence and \$2,000,000 aggregate combined limit. The County of Augusta, its officers, employees and agents, shall be named as an additional insured with respect to the Work being procured. The Supplemental Conditions may require the Contractor to provide an Umbrella insurance policy in a specified amount for the Project.

(d) During the performance of the Work under this Contract, the Contractor shall maintain automobile liability insurance which shall insure him against claims of personal injury, including death, as well as against claims for property damage, which may arise from operations under this Contract, whether such operations be by himself or by any Subcontractor, or by anyone directly or indirectly employed by either of them. The amounts of automobile insurance shall be not less than \$1,000,000 combined limit for bodily injury and property damage per occurrence.

(e) Written evidence of all required insurance shall be delivered to the County's Representative prior to the Notice to Proceed and, in any event, no later than thirty (30) days following the award of the contract. The Contractor shall ensure that in the event of cancellation of any insurance, not less than thirty (30) days prior written notice will be sent by the Insurer to the County. A copy of any insurance policy shall be given to the County upon demand. Cancellation of any required insurance policy is a material breach of this contract.

13. TAXES, FEES AND ASSESSMENTS

The Contractor shall, without additional expense to the County, pay all applicable federal, state, and local taxes, fees, and assessments except the taxes, fees and assessments on the real property comprising the Site of the project.

14. PATENTS

The Contractor shall obtain all licenses necessary to use any invention, article, appliance, process or technique of whatever kind and shall pay all royalties and license fees. The Contractor shall hold the County, its officers, agents and employees, harmless against any loss or liability for or on account of the infringement of any patent rights in connection with any invention, process, technique, article or appliance manufactured or used in the performance of the Contract, including its use by the County, unless such invention, process, technique, article or appliance is specifically named in the specifications or plans as acceptable for use in carrying out the Work. If, before using any invention, process, technique, article or appliance specifically named in the specifications or plans as acceptable for use in carrying out the Work, the Contractor has or acquires information that the same is covered by letters of patent making it necessary to secure the permission of the patentee, or other, for the use of the same, he shall promptly advise the County. The County may direct that some other invention, process, technique, article or appliance be used. Should the Contractor have reason to believe that the invention, process, technique, article or appliance so specified is an infringement of a patent, and fail to inform the County, he shall be responsible for any loss or liability due to the infringement.

[SECTION 15 OMITTED]

16. INSPECTION

The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the Work called for by this contract conforms to the Contract requirements. The Contractor shall maintain complete inspection records and make them available to the County and the County's Representative. All work is subject to inspection and testing at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the Contract.

17. SUPERINTENDENCE BY CONTRACTOR

(a) The Contractor shall have a competent foreman or superintendent, satisfactory to the County, on the Site at all times during the progress of the Work. The superintendent or foreman shall be familiar with and be able to read and understand the plans and specifications, and be capable of communicating orally and in writing with the County's inspectors and the Contractor's workers. The Contractor shall be responsible for all construction means, methods, techniques, sequences and procedures, for coordinating all portions of the Work under the Contract except where otherwise specified in the Contract Documents, and for all safety and worker health programs and practices. The

Contractor shall notify the County, in writing, of any proposed change in superintendent, including the reason therefore, prior to making such change.

(b) The Contractor shall, at all times, enforce strict discipline and good order among the workers on the Project, and shall not employ on the Work, or contract with, any unfit person, anyone not skilled in the Work assigned to him, or anyone who will not work in harmony with those employed by the Contractor, the Subcontractors, the County or the County's separate contractors and their subcontractors.

(c) The County may, in writing, require the Contractor to remove from the Site any employee or Subcontractor's employee the County deems to be incompetent, careless, not working in harmony with others on the Site, or otherwise objectionable, but the County shall have no obligation to do so.

18. CONSTRUCTION SUPERVISION, METHODS AND PROCEDURES

(a) The Contractor shall be solely responsible for supervising and directing the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract. The Contractor shall be solely responsible for the means, methods, techniques, sequences and procedures of construction and for coordinating all portions of the Work under the Contract, except where otherwise specified in the Contract Documents. However, the Contractor shall not be responsible for the negligence of others in the design or selection of a specific means, method, technique, sequence or procedure of construction which is indicated in and required by the Contract. The Contractor is solely responsible to the County that the finished Work complies with the Contract Documents.

(b) The Contractor shall be solely responsible for health and safety precautions and programs for workers and others in connection with the Work. No inspection by, knowledge on the part of, or acquiescence by the Project Inspector, the County's Representative or other County employees and agents, or any other entity whatever shall relieve the Contractor from its sole responsibility for compliance with the requirements of the Contract or its sole responsibility for health and safety programs and precautions.

(c) If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, the Contractor may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to the County. The Contractor must submit in a timely manner its written request for the substitution to the County's Representative. Such request must include sufficient information to allow the County to determine that the substitute proposed is equivalent to that indicated or required by the Contract and be received by such a date to ensure the County has adequate time to review the request and respond without creating a need for an extension of the Contract Completion Date.

(d) The divisions and sections of the Specifications and the identification of any drawings shall not control the Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

19. SCHEDULE OF THE WORK

General: The Contractor is responsible for the scheduling and sequencing of the Work, for coordinating the Work, for monitoring the progress of the Work, and for taking appropriate action to keep the Work on schedule.

20. SCHEDULE OF PAYMENTS TO CONTRACTOR

(a) Contract price. The County shall pay the Contractor as just compensation for the performance of this contract, subject to any additions or deductions as may have been authorized by approved written change orders, the unit or lump sum price as contained in the bid documents.

(b) Acceptance and payment. Upon receipt of written notice from the Contractor that the work is ready for final inspection and acceptance, the County shall within one week make such inspection. When the County finds the work complete under the contract and the contract fully performed the County will promptly issue a final certificate stating that the work required by this contract has been completed and is accepted by the County under the terms and conditions of the contract. The entire balance found to be due to the Contractor shall be paid to the Contractor by the County within thirty (30) days after the date of the final certificate and receipt of all required Submittals.

21. ACCESS TO WORK

The County, the County's Representative, the County's inspectors and other testing personnel, inspectors from the Department of Labor and Industry, and others authorized by the County, shall have access to the Work at all times. The Contractor shall provide proper facilities for access and inspection.

22. SURVEYS AND LAYOUT

(a) When applicable, the County shall furnish the Contractor all necessary documents showing property lines and the location of existing buildings and improvements. The Contractor shall provide competent surveying and engineering services to execute the Work in accordance with the Contract and shall be responsible for the accuracy of these surveying and engineering services.

(b) Such general reference points and benchmarks on the Site as will enable the Contractor to proceed with the Work will be established in the plans and specifications. If the Contractor finds that any previously established reference points have been lost or destroyed, he shall promptly notify the County's Representative.

(c) The Contractor shall protect and preserve the established benchmarks and monuments and shall make no changes in locations without written notice to the County's Representative and the written approval from the County. Any of these which may be lost or destroyed or which require shifting because of necessary changes in grades or locations shall, subject to prior written approval of the County, be replaced and accurately located by the Contractor.

23. PLANS AND SPECIFICATIONS

(a) The general character and scope of the Work are illustrated by the plans and the specifications. If the Contractor deems additional detail or information to be needed, he may request the same by Field Order in writing from the County's Representative. The request shall precisely state the detail or information needed and shall explain why it is needed. The Contractor shall also indicate a date when the requested information is required.

(b) If the Contractor finds a conflict, error, or other discrepancy in the plans or specifications, he shall notify the County's Representative in writing as soon as possible, but before proceeding with the affected Work.

(c) Measurements or dimensions shown on the drawings for Site features, utilities and structures shall be verified at the Site by the Contractor. The Contractor shall not scale measurements or dimensions from the drawings. If there are discrepancies, the County's Representative shall be consulted.

(d) As-Built Drawings: The Contractor shall maintain at the Site for the County one copy of all drawings, specifications, addenda, approved shop or setting drawings, Change Orders and other modifications (collectively referred to herein as "As-Built Drawings") in good order and marked to record all changes as they occur during construction. These shall be available to the County, the Project Inspector, the County's other inspectors and to the County's testing personnel. The drawings shall be neatly and clearly marked in contrasting color during construction to record all variations made during construction. The representation of such variations shall include such supplementary notes, symbols, legends, and details as may be necessary to clearly show the as-built construction.

(e) Record Drawings: Upon completion of the Work and prior to the final inspection, the Contractor shall deliver to the County's Representative one complete set of "As-Built Drawings" referred to in the preceding subsection.

24. SUBMITTALS.

(a) The Contractor shall submit a listing of all Submittals required by the County or which the Contractor identifies as necessary, fixing the dates for the submission of shop or setting drawings, samples and product data. The listing shall be in a format acceptable to the County.

(b) Submittals shall be forwarded to the County's Representative for approval if required by the specifications or if requested by the County. No part of the Work dealt with by a Submittal shall be fabricated by the Contractor, save at his own risk, until such approval has been given.

(c) The Contractor shall furnish to the County's Representative for approval the name of the manufacturer, the model number, and other identifying data and information respecting the performance, capacity, nature and rating of the machinery and mechanical and other equipment which the Contractor contemplates incorporating in the Work. When Submittals are required by this Contract for materials, the Contractor shall furnish full information concerning the material or articles which he contemplates incorporating in the Work. When required, samples shall be submitted for approval at the Contractor's expense, with all shipping charges prepaid. Machinery, equipment, material and articles installed or used without required approval shall be at the risk of subsequent rejection.

(d) Submittals shall be accompanied by a letter of transmittal which shall list the Submittals included, the specification section number applicable to each, and the date shown on each Submittal. Submittals shall be complete in every respect and bound in sets. Each Submittal shall be clearly marked to show each item, component and/or optional feature proposed to be incorporated into the Project. Cross reference to the plans or specifications as needed to identify the use for which the item or component is intended.

(e) The Contractor shall check the Submittals for compliance with the requirements of the Contract Documents. The Contractor shall clearly note in writing any and all items which deviate from the requirements of the Contract Documents. Reasons for deviation shall be included with the Submittal.

(f) The Contractor shall forward all Submittals sufficiently in advance of construction requirements to allow reasonable time for checking, correcting, resubmitting and rechecking.

(g) If a Submittal indicates a departure from the Contract requirements, the County may approve or reject the Submittal as the County, in its sole discretion, sees fit. The departure from the Contract requirements shall be further authorized by a Change Order, if a reduction or increase in the Contract Price is appropriate.

(h) The Contractor shall verify that the Submittals conform to the design concept and functional requirements of the plans and specifications, that the detailed design portrayed in shop drawings and proposed equipment and materials shown in Submittals are of the quality specified and will function properly, and that the Submittals comply with the Contract Documents.

25. FEES, SERVICES AND FACILITIES

(a) The Contractor shall obtain all permits, and shall pay for all fees and charges, including, but not necessarily limited to, fees necessary for temporary access and public right-of-way blockage or use, for use of landfill and other waste disposal facilities, for temporary connections to utilities, and for the use of property (other than the Site) for storage of materials and other purposes unless otherwise specifically stated in the Contract Documents.

(b) Certain projects such as renovations and interior modifications of existing buildings will usually have water and electric service to the building. In those instances, water and electric power, if required for the Work under the Contract, will be furnished by the County subject to reasonable use by the Contractor, only to the extent and capacity of present services. The Contractor shall be responsible for providing required connections, temporary wiring, piping, etc. to these services in a safe manner and in accordance with applicable codes. All temporary wire, pipe, etc. shall be removed before the Substantial Completion inspection. Acceptance by the Contractor of the use of County's water and electricity constitutes a release to the County of all claims and of all liability to the Contractor for whatever damages which may result from power and water outages or voltage variations.

(c) The County shall pay any connection charges for permanent utility connections directly to the utility Supplier. The Contractor shall coordinate such connections with the utility Supplier.

(d) It is understood that, except as otherwise specifically stated in the Contract Documents, the Contractor, either directly or through his Subcontractors, shall provide and pay for all material, labor, tools, equipment, water, light, power, telephone and other services or facilities of every nature whatsoever necessary to execute completely and deliver the Work within the Contract Time for Completion or before the Contract Completion Date.

26. EQUALS

(a) Brand names: Unless otherwise stated in the specifications, the name of a certain brand, make or manufacturer denotes the characteristics, quality, workmanship, economy of operation and suitability for the intended purpose of the article desired, but does not restrict the Contractor to the specific brand, make, or manufacturer; it is set forth to convey to the Contractor the general style, type, character and quality of the article specified.

(b) Equal materials, equipment or assemblies: Whenever in these Contract Documents, a particular brand, make of material, device or equipment is shown or specified, such brand, make of material, device or equipment shall be regarded merely as a standard. Any other brand, make or manufacturer of a product, assembly or equipment which in the opinion of the County is the equal of that specified, considering quality, capabilities, workmanship, configuration, economy of operation, useful life, compatibility with design of the Work, and suitability for the intended purpose, will be accepted unless rejected by the County as not being equal.

(c) Substitute materials, equipment or assemblies: The Contractor may propose to substitute a material, product, equipment, or assembly which deviates from the requirements of the Contract Documents but which the Contractor deems will perform the same function and have equal capabilities, service life, economy of operations, and suitability for the intended purpose. The proposal must include any cost differentials proposed. If the proposed substitute is acceptable to the County, a Change Order will be proposed to the Contractor to accept the substitute and to deduct the proposed cost savings from the Contract Price. The County shall have the right to limit or reject substitutions at its sole discretion as provided in Virginia Code § 2.2-4315.

(d) The Contractor shall be responsible for making all changes in the Work necessary to adapt and accommodate any equal or substitute product which it uses. The necessary changes shall be made at the Contractor's expense.

27. AVAILABILITY OF MATERIALS

If a brand name, product, or model number included in the Contract Documents is not available on the present market, alternate equal products or model numbers may be proposed by the Contractor for approval by the County.

28. CONTRACTOR'S TITLE TO MATERIALS

No materials or supplies for the Work shall be purchased by the Contractor, or by any Subcontractor or Supplier, subject to any security interest, installment or sales contract or any other agreement or lien by which an interest is retained by the seller or is given to a secured party. The Contractor warrants that he has clear and good title to all materials and supplies which he uses in the Work or for which he accepts payment in whole or in part.

29. STANDARDS FOR MATERIALS INSTALLATION & WORKMANSHIP

(a) Unless otherwise specifically provided in the Contract, all equipment, material, and accessories incorporated in the Work are to be new and in first class condition.

(b) Unless specifically approved by the County or required by the Contract, the Contractor shall not incorporate into the Work any materials containing asbestos or any material known by the industry to be hazardous to the health of building construction workers, maintenance workers, or occupants. If the Contractor becomes aware that a material required by the Contract contains asbestos or other hazardous materials, he shall notify the County's Representative immediately and shall take no further steps to acquire or install any such material without first obtaining County approval.

(c) All workmanship shall be of the highest quality found in the construction industry in every respect. All items of Work shall be done by craftsmen or tradesmen skilled in the particular task or activity to which they are assigned. In the acceptance or rejection of Work, no allowance will be made for lack of skill on the part of workmen. Poor or inferior workmanship (as determined by the County or other inspecting authorities) shall be removed and replaced at Contractor's expense such that the Work conforms to the highest quality standards of the trades concerned, or otherwise corrected to the satisfaction of the County, or other inspecting authority, as applicable.

(d) Under the various sections of the plans or specifications, where specified items are supplied with the manufacturer's printed instructions, recommendations, or directions for installation, or where such instructions, recommendations, or directions are available, installation of the specified items shall be in strict accordance with the manufacturer's printed instructions unless those instructions contradict the plans or specifications, in which case the County's Representative will be notified for an interpretation and decision.

(e) Under the various sections of the plans or specifications, where reference is made to specific codes or standards governing the installation of specified items, installation shall in all cases be in strict accordance with the referenced codes and standards. Where no reference is made to specific codes or standards, installation shall conform to the generally recognized applicable standards for first-class installation of the specific item to be installed. Contractors are expected to be proficient and skilled in their respective trades and knowledgeable of the Codes and Standards of the National Fire Protection Association (NFPA), National Electric Code (NEC), Occupational Safety and Health Act (OSHA) and other codes and standards applicable to installations and associated work by his trade.

(f) Where the manufacturer's printed instructions are not available for installation of specific items, where specific codes or standards are not referenced to govern the installation or specific items, or where there is uncertainty on the part of the Contractor concerning the installation procedures to be followed or the quality of workmanship to be maintained in the installation of specific items, the Contractor shall consult the County's Representative for approval of the installation procedures or the specific standards governing the quality of workmanship the Contractor proposes to follow or maintain during the installation of the items in question.

(g) During and/or at the completion of installation of any items, the tests designated in the plans or specifications necessary to assure proper and satisfactory functioning for its intended purpose shall be performed by the Contractor or by its Subcontractor responsible for the completed installation. All costs for such testing are to be included in the Contract Price. If required by the Contract Documents, the Contractor shall furnish prior to final inspection the manufacturers' certificates evidencing that products meet or exceed applicable performance, warranty and other requirements, and certificates that products have been properly installed and tested.

30. WARRANTY OF MATERIALS AND WORKMANSHIP

(a) The Contractor warrants that, unless otherwise specified, all materials and equipment incorporated in the Work under the Contract shall be new, in first class condition, and in accordance with the Contract Documents. The Contractor further warrants that all workmanship shall be of the highest quality and in accordance with the Contract Documents and shall be performed by persons qualified at their respective trades.

(b) Work not conforming to these warranties shall be considered defective.

(c) This warranty of materials and workmanship is separate and independent from and in addition to any of the Contractor's other guarantees or obligations in the Contract or under Virginia law.

(d) The Contractor shall ensure that all manufacturer's warranties and similar guarantees are properly extended to the County and that documents evidencing the same are submitted to the County's Representative prior to final inspection.

31. USE OF SITE AND REMOVAL OF DEBRIS

(a) The Contractor shall:

(1) Perform the Work in such a manner as not to interrupt or interfere with the operation of any existing activity on, or in proximity to, the Site or with the Work of any other separate contractor;

(2) Store his apparatus, materials, supplies and equipment in such orderly fashion at the Site of the Work as will not unduly interfere with the progress of his Work or the work of any other separate contractor; and

(3) Place upon the Work or any part thereof only such loads as are consistent with the safety of that portion of the Work.

(b) The Contractor expressly undertakes, either directly or through his Subcontractor(s), to effect all cutting, filling or patching of the Work required to make the same conform to the plans and specifications, and, except with the

consent of the County's Representative, not to cut or otherwise alter the Work of any other separate contractor. The Contractor shall not damage or endanger any portion of the Work or Site, including existing improvements, unless called for by the Contract.

(c) The Contractor expressly undertakes, either directly or through his Subcontractor(s), to clean up frequently all refuse, rubbish, scrap materials and debris caused by his operations, to the end that at all times the Site shall present a neat, orderly and workmanlike appearance. No such refuse, rubbish, scrap material and debris shall be left within the completed Work nor buried on the building Site, but shall be removed from the Site and properly disposed of in the County landfill or otherwise as required by law. The Contractor shall be responsible for the payment of all applicable tipping fees or other disposal fees at any landfill or other waste disposal facility.

(d) The Contractor expressly undertakes, either directly or through his Subcontractor(s), before final payment or such prior time as the County may require, to remove all surplus material, false Work, temporary structures, including foundations thereof, plants of any description and debris of every nature resulting from his operations and to put the Site in a neat, orderly condition; to thoroughly clean and leave reasonably dust free all finished surfaces including all equipment, piping, etc., on the interior of all buildings included in the Contract; and to clean thoroughly all glass installed under the Contract, including the removal of all paint and mortar splatters and other defacements. If the Contractor fails to clean up at the time required herein, the County may do so and charge the costs incurred thereby to the Contractor.

(e) The Contractor shall prevent Site soil erosion, the runoff of silt and/or debris carrying water from the Site, and the blowing of dust or debris off the Site in accordance with the applicable requirements and standards of the Contract and the County's Erosion and Sediment Control and Stormwater Management Regulations.

32. (OMITTED)

33. SIGNS

The Contractor may not, without the prior written consent of the County, erect signs at or near the Site. Signs required by law, such as the posting of building permits, are allowed. No signs shall be erected without prior approval of the County as to purpose, design and location.

34. PROTECTION OF PERSONS AND PROPERTY

(a) The Contractor expressly undertakes both directly and through his Subcontractors, to take every reasonable precaution at all times for the protection of all persons and property which may come on the Site or be affected by the Contractor's Work.

(b) The Contractor shall be solely responsible for providing on site all necessary safety equipment and supplies and for initiating, maintaining and supervising all safety precautions and programs in connection with the Work.

(c) The Contractor shall continuously maintain adequate protection of all his Work from damage and shall protect the County's property from injury or loss arising in connection with this Contract. He shall make good any such damage, injury or loss, except as may be directly and solely due to errors in the Contract Documents or caused by agents or employees of the County. The Contractor shall adequately protect adjacent property to prevent any damage to it or loss of use and enjoyment by its owners. The Contractor shall provide and maintain all passageways, guard fences, lights and other facilities for protection as required by public authority, local conditions, or the Contract.

(d) In an emergency affecting the health, safety or life of persons or of the Work, or of the adjoining property, the Contractor, without special instruction or authorization from the County, shall act, at his discretion, to prevent such threatened loss or injury. Also, should he, to prevent threatened loss or injury, be instructed or authorized to act by the County, he shall so act immediately, without appeal.

(f) When necessary for the proper protection of the Work, temporary climate control of a type approved by the County must be provided by the Contractor, at the Contractor's expense, unless otherwise specified.

35. CLIMATIC CONDITIONS

The Contractor shall suspend activity on and protect any portion of the Work that may be subject to damage by climatic conditions.

[SECTION 36 OMITTED]

37. PAYMENTS BY CONTRACTOR

Under Virginia Code § 2.2-4354:

(a) The Contractor is obligated to take one of the two following actions within seven (7) days after receipt of amounts paid to the contractor by the County for work performed by subcontractors under that contract:

(1) Pay subcontractors for the proportionate share of the total payment received from the County attributable to the work performed by the subcontractors under that contract; or

(2) Notify the County and subcontractor, in writing, of his intention to withhold all or a part of any subcontractor's payment with the reason for nonpayment.

(b) Individual Contractors are required to provide their social security numbers; and proprietorships, partnerships, and corporations are required to provide their federal employer identification numbers.

(c) The Contractor is obligated to pay interest to a subcontractor on all amounts owed by the Contractor that remain unpaid after seven days following receipt by the Contractor of payment from the County for work performed by the subcontractor under that contract, except for amounts withheld as allowed in subdivision a.

(d) Unless otherwise provided under the terms of this contract, interest shall accrue at the rate of one percent (1%) per month.

(e) The Contractor is further required to include in each of its subcontracts a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier subcontractor.

(f) The Contractor's obligation to pay an interest charge to a subcontractor pursuant to the payment clause in this section shall not be construed to be an obligation of the County. A contract modification shall not be made for the purpose of providing reimbursement for the interest charge. A cost reimbursement claim shall not include any amount for reimbursement for the interest charge.

38. CHANGES IN THE WORK

(a) Requests for Change Orders may be initiated by any party at any time. The County may, by written Change Order and without notice to the sureties, approve changes in the Work which are within the general scope of the Contract. However, no change will be made which will increase the total Contract Price to an amount more than twenty percent (20%) in excess of the original Contract Price without notice to sureties.

(b) In making any change, the charge or credit for the change shall be determined by a mutually agreed fixed amount change to the Contract Price and/or time allowed for completion of the Work. The following procedure shall be followed:

(1) The party receiving the proposed change shall review the proposed change and shall respond in writing within fourteen (14) days after receipt of the proposed change, stating the effect of the proposed change upon the Work, including any increase or decrease in the Contract time and Price.

(2) The Contractor shall furnish to the County an itemized breakdown of the quantities and prices used in computing the proposed change in Contract Price.

(3) The County shall review the Contractor's proposed price and respond to the Contractor within thirty (30) days of receipt. If a change to the Contract Price and time for performance are agreed upon, both parties shall sign the Change Order. Changes to the Contract time and/or Price shall be effective when signed by both parties.

(4) Change Order shall be substantiated by documentation itemizing the estimated quantities and costs of all labor, materials and equipment required as well as any mark-up used. The price change shall include the Contractor's overhead and profit.

(5) All Change Orders must state that the Contract Time for Completion or Contract Completion Date is not changed or is either increased or decreased by a specific number of days. The old Time for Completion and, if changed, the new Time for Completion must be stated.

(6) If the parties are unable to agree on the terms of a Change Order, the matters in dispute shall be resolved as provided in § 47 of these General Conditions unless an alternative procedure is set forth in the Supplemental Conditions.

39. EXTRAS

If the Contractor claims that any instructions given to him by the County, by drawings or otherwise, involve extra Work which increases the scope of the Contract, then, except in emergencies endangering life or property, he shall give the County written notice thereof before proceeding to execute the Work. Said notice shall be given promptly enough to avoid delaying the Work and in no instance later than fourteen (14) days after the receipt of such instructions. Should it not be immediately clear to the Contractor that the change involves extra Work outside the scope of the Contract, written notice shall be sufficient if given as soon as possible after such realization, but in no event later than fourteen (14) days after the start of such Work. If the County agrees, a Change Order shall be issued as provided in Section 38 of these General Conditions, and any additional compensation shall be determined as provided in said Section. Except as otherwise specifically provided, no claims for extra Work shall be allowed unless timely notice, as required by this Section, is given by the Contractor and unless such Work is performed pursuant to written Change Order as provided in Section 38.

40. CONTRACTOR'S RIGHT TO STOP WORK OR TERMINATE THE CONTRACT

If the Work should be stopped under an order of any court or other public authority for a period of ninety (90) days through no fault of the Contractor or anyone employed by him, or if the County should fail to pay to the Contractor within thirty (30) days any sum certified by the County's Representative, when no dispute exists as to the sum due or any provision of the Contract, then the Contractor may, upon ten (10) days written notice to the County, stop Work or terminate the Contract and recover from the County payment for the cost of the Work actually performed, together with overhead and profit thereon, but profit on the Work performed shall be recovered only to the extent that the Contractor can demonstrate that he would have had profit on the entire Contract if he had completed the Work. The Contractor may not receive profit or any other type of compensation for parts of the Work not performed. The Contractor may recover the reasonable cost of physically closing down the Site, but no other costs of termination. The County may offset any claims it may have against the Contractor against the amounts due to the Contractor. In no event shall termination of the Contract by the Contractor terminate the obligations of the Contractor's surety on its payment and performance bonds.

41. COUNTY'S RIGHT TO TERMINATE THE CONTRACT FOR CAUSE

(a) If the Contractor should be adjudged as bankrupt, or if he should make a general assignment for the benefit of his creditors, or if a receiver should be appointed on account of his insolvency, the County may terminate the Contract. If the Contractor should refuse or should repeatedly fail, except in cases for which extension of time is provided, to supply enough properly skilled workmen or proper materials and equipment, or if he should fail to make prompt payment to Subcontractors or Suppliers of material or labor, or if he should disregard laws, ordinances or the written instructions of the County, or otherwise be in substantial violation of any provision of the Contract, then the County may terminate the Contract.

(b) Prior to termination of the Contract, the County shall give the Contractor and his surety ten (10) days written notice pursuant to Section 1 ("Notice") of these General Conditions, during which the Contractor and/or his surety may rectify the basis for the notice. If rectified to the satisfaction of the County within said ten (10) days, the County may rescind its notice of termination. If not, the termination for cause shall become effective at the end of the ten (10) day notice period. In the alternative, the County may, in writing, postpone the effective date of the termination for cause, at its sole discretion, if it should receive reassurances from the Contractor and/or its surety that the basis for the termination will be remedied in a time and manner which the County finds acceptable. If at any time after such postponement, the County determines that Contractor and/or its surety has not or is not likely to rectify the causes of termination in an acceptable manner or within the time allowed, then the County may immediately terminate the Contract for cause, without the necessity of further ten (10) day notice, by notifying the Contractor and his surety in writing of the termination. In no event shall termination for cause terminate the obligations of the Contractor's surety on its payment and performance bonds.

(c) Upon termination of the Contract, the County shall take possession of the Site and of all materials, tools and equipment thereon and finish the Work by whatever method he may deem expedient. In such case the Contractor shall not be entitled to receive any further payment. If the expense of finishing the Work, including compensation for additional managerial and administrative services, shall exceed the unpaid balance of the Contract Price, the Contractor shall pay the difference to the County, together with any other expenses of terminating the Contract and having it completed by others.

(d) If it should be judicially determined that the County improperly terminated this Contract for cause, then the termination shall be deemed to be a termination for the convenience of the County.

(e) Termination of the Contract under this Section is without prejudice to any other right or remedy of the County.

42. TERMINATION BY COUNTY FOR CONVENIENCE

(a) County may terminate this Contract, in whole or in part, at any time without cause upon giving the Contractor written notice of such termination pursuant to Section 1 ("Notice") of these General Conditions. Upon such termination, the Contractor shall immediately cease Work and remove from the Site all of its labor forces and such of its materials as County elects not to purchase or to assume in the manner hereinafter provided. Upon such termination, the Contractor shall take such steps as County may require to assign to the County the Contractor's interest in all Subcontracts and purchase orders designated by County. After all such steps have been taken to County's satisfaction, the Contractor shall receive as full compensation for termination and assignment the following:

(1) All amounts then otherwise due under the terms of this Contract based upon approved Requests for payment.

(2) Amounts due for Work performed in accordance with the Contract subsequent to the latest approved Request for Payment through the date of termination.

(3) Reasonable compensation for the actual cost of demobilization incurred by the Contractor as a direct result of such termination.

The Contractor shall not be entitled to any compensation or damages for lost profits or for any other type of contractual compensation or damages other than those provided by this section. Upon payment of the foregoing, County shall have no further obligations to Contractor of any nature.

(b) In the event the parties cannot agree on the whole amount to be paid to the Contractor by reason of termination under this section, the County shall pay the amounts, as determined by the County's Representative, as follows, without duplicating any amounts which may have already been paid under the preceding paragraph of this section:

(1) All amounts then otherwise due under the terms of this Contract based upon approved Requests for payment.

(2) Amounts due for Work performed in accordance with the Contract subsequent to the latest approved Request for Payment through the date of termination, which shall be the total of:

- (a) cost of work performed or supplies delivered;
 - (b) the costs of settling and paying any reasonable claims to subcontractors and suppliers; and
 - (c) a mark-up of ten percent (10%) for profit and overhead.
- (3) Reasonable compensation for the actual cost of demobilization incurred by the Contractor as a direct result of such termination.

The total sum to be paid shall not exceed the contract price, as reduced by the amount of payments otherwise made, and as further reduced by the contract price of work not done or supplies not delivered. If there is evidence that the Contractor would have sustained a loss on the entire Project had it been completed, no profit shall be included or allowed hereunder and an appropriate adjustment shall be made reducing the amount of the settlement to reflect the indicated rate of loss.

(c) In the event the Contractor is not satisfied with any payments which the County's Representative shall determine to be due under this section, the Contractor may proceed in accordance with Section 47, "Contractual Disputes."

(d) In no event shall termination for the convenience of the County terminate the obligations of the Contractor's surety on its payment and performance bonds.

43. DAMAGES FOR DELAYS; EXTENSION OF TIME

(a) If the Contractor is delayed at any time in the progress of the Work by any act or omission of the County, its agents or employees or any separate independent contractor of the County, and the act or omission is the result of or is necessitated by causes outside the County's control; or if the Contractor is delayed by strikes, fires, unusual delays in transportation or unavoidable casualties, or other causes outside the County's or Contractor's control, the Contractor shall give the County written notice within ten (10) days of the inception of the delay. The County shall extend the time for Substantial Completion or Final Completion, as the case may be, for the length of time that the Substantial Completion or Final Completion of the Work was actually delayed thereby, and the Contractor shall not be charged with liquidated or actual damages for delay during the period of such extension nor shall the Contractor be due compensation or damages of any kind, under any theory of law, as a result of such delay, the impact of such delay, or acceleration of Work as a result of such delay. In the event a CPM schedule is required by the Contract, no extension of the time allowed for Substantial Completion shall be granted unless the Contractor demonstrates a delay in the critical path of the approved CPM schedule or approved bar graph schedule.

(b) If the Contractor is delayed at any time in the progress of the Work by any act or omission of the County, its agents or employees, due to causes within their control, or delayed by the County's separate, independent contractors, when such delay results from causes within the County's control, and the Contractor intends to seek additional compensation for damages, if any, caused by the delay, the Contractor shall inform the County immediately at the time of the occurrence giving rise to the delay by the fastest means available and shall give written notice no later than two (2) working days after inception of the delay. The Contractor's notice to the County shall specify the nature of the delay claimed by the Contractor, the cause of the delay and the impact of the delay on the Contractor's Work schedule. The County shall then have three (3) working days to respond to the Contractor's notice with a resolution, remedy or direction to alleviate the delay or with a notice rejecting the claim for delay alleged to be caused by the County or parties for whom the County is responsible. If the issue is not then resolved, the Contractor may submit a request for Change Order in accordance with Section 36 or submit a claim as provided for in Section 45. The Contractor shall only be entitled to additional compensation if the delay was unreasonable and was caused solely by acts or omissions of the County, its agents or employees, due to causes within their control, or was caused by the County's separate, independent contractor, when such delay resulted solely from causes within the County's control.

(c) The Contractor shall not be entitled to an extension of the Time for Completion or Contract Completion Date or to any additional compensation for delays caused by acts or omissions of the Contractor due to causes within his control, including, but not limited to, delays resulting from Defective Work including workmanship and/or materials, from rejected work which must be corrected before dependent work can proceed, from Defective Work or

rejected work for which corrective action must be determined before like work can proceed, or from incomplete, incorrect or unacceptable Submittals or samples.

(d) No extension of time or additional compensation, if applicable, will be granted for any delay unless the claimed delay directly affects the critical path of the approved CPM schedule or the schedule shown on the approved bar graph schedule, whichever is applicable, and any float has been consumed. No extension of time or additional compensation shall be given for a delay if the Contractor failed to give notice in the manner and within the time prescribed in Subsections (a) or (b) above, whichever applies. Furthermore, no extension of time or additional compensation shall be given for any delay unless a claim therefore is made in writing to the County, within twenty (20) days of the end of the delay. The claim shall state the cause of the delay, the number of days of extension requested and any compensation requested by the Contractor. The Contractor shall report the termination of the delay to the County not less than ten (10) days after such termination. Failure to give notice of either the inception or the termination of the cause of delay or failure to present a claim for extension of time and/or monetary compensation within the times prescribed shall constitute a waiver of any claim for extension or additional compensation based upon that cause.

(e) Requests for compensation for delays pursuant to Subsection (b) above must be substantiated by itemized data and records clearly showing that the Work delayed could not be completed within the approved schedule, and that the additional costs incurred by the Contractor are directly attributable to the delay in the Work claimed. Furthermore, compensation for delay shall be calculated from the contractual Time for Completion or Contract Completion Date, as adjusted by Change Order, and shall not be calculated based on any early completion planned or scheduled by the Contractor, unless a Change Order has been executed changing the Time for Completion or the Contract Completion Date to reflect such early completion.

If there is an extension in the Time for Completion or the Contract Completion Date and if the Contractor is entitled to additional compensation for the delay, and where there is no change in the Work, an itemized accounting of the following direct Site overhead expenses will be considered as allowable costs to be used in determining the compensation due the Contractor:

Site superintendent pro rata salary, temporary Site office expense, temporary Site facilities, and temporary Site utilities including basic telephone service, electricity, heat, water, and sanitary/toilets. A fifteen percent (15%) markup of these expenses will be allowed to compensate the Contractor for home office and other direct or indirect overhead expenses.

(f) If the Contractor submits a claim for delay damages, the Contractor shall be liable to the County for a percentage of all costs incurred by the County in investigating, analyzing, negotiating and litigating the claim, which percentage shall be equal to the percentage of the Contractor's total delay claim which is determined through litigation to be false or to have no basis in law or in fact.

(g) Any change in the Contract Time for Completion or Contract Completion Date shall be accomplished only by issuance of a Change Order.

(h) If the Contractor fails to complete the Work within the Time for Completion or the Contract Completion Date, the Contractor shall be liable to the County in the amounts set forth in subsection (j) below not as a penalty, but as fixed, agreed and liquidated damages for delay until the Work is substantially or finally completed as the case may be. If liquidated damages are not so fixed in subsection (j), the Contractor shall be liable for any and all actual damages sustained as a result of delay. In addition to damages for delay, whether liquidated or actual, the Contractor shall also be liable for any and all actual damages sustained by the County as a result of any other breach of the Contract, including, but not limited to, Defective Work and abandonment of the Contract.

(i) If the Contractor fails to complete the Work by the Time for Completion or Contract Completion Date, the following provisions apply:

(1) The Contractor shall owe to the County, not as a penalty but as liquidated damages, the sum stated in subsection (j) below as "step one" liquidated damages for each and every partial or total calendar day of delay in Substantial Completion.

(2) Once the Work is substantially complete, the accrual of “step one” liquidated damages shall cease, and the Contractor shall have five (5) or thirty (30) calendar days in which to achieve Final Completion of the Work.

(3) If Final Completion of the Work is not achieved on or before the fifth (5th) or thirtieth (30th) calendar day after Substantial Completion, and if the County has not granted any extension of time, the Contractor shall owe to the County, not as a penalty but as liquidated damages, the sum stated in subsection (j) below as “step two” liquidated damages for each and every partial or total calendar day of delay in Final Completion.

(j) Time is of the essence of the contract. Should the Contractor fail to complete the Work within the time agreed upon in the Contract or within such extra time as may have been allowed by Change order, there may be deducted from any sums due or that may become due the Contractor the sum set forth in the following schedule for each and every calendar day, exclusive of Sundays and legal holidays, that the Work shall remain uncompleted. This sum shall be considered and treated not as a penalty but as liquidated damages due the County from the Contractor by reason of inconvenience to the public, added cost of engineering and supervision, operation of alternative public services, and other factors which have caused the expenditure of public funds resulting from the contractor’s failure to complete the work within the time specified in the contract.

Schedule of Liquidated Damages

Step One	<u>\$250</u> per day
Step Two	<u>\$500</u> per day

(k) Each party hereby waives any claim or defense as to the validity of any liquidated damages stated in this Agreement as they may appear on the grounds that such liquidated damages are void as penalties or are not reasonably related to actual damage.

(l) Completion of the Work, for purposes of this section, shall occur upon preliminary acceptance of all the Work required by the contract documents. Permitting the Contractor to continue and finish the Work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended by Change Order, shall in no way operate as a waiver on the part of the County of any of its rights under the Contract.

44. INSPECTION FOR SUBSTANTIAL COMPLETION & FINAL COMPLETION

(a) The Contractor shall notify the County, in writing by "Certificate of Partial or Substantial Completion," of the date when the Work or designated portion thereof, will be, in his opinion, substantially complete and ready for inspection and testing to determine if it has reached Substantial Completion. The notice shall be given at least ten (10) days in advance of said date. Inspection and testing shall take place at a time(s) mutually agreeable to the Contractor and County.

The inspection shall include a demonstration by the Contractor that all equipment, systems and operable components of the project function properly and in accordance with the Contract Documents. The Contractor shall furnish access for the inspection and testing. The inspection and testing shall determine whether Substantial Completion has been accomplished and shall result in either: (a) a written notice that the County does not consider the Work to be substantially complete accompanied by a written list of unfinished Work and Defective Work which must be completed or corrected before the County will concur that the Work is substantially complete, or (b) a written confirmation by the County that the Work is substantially complete accompanied by a written list of unfinished Work and Defective Work, commonly referred to as a "punch list", which must be finished and corrected to obtain Final Completion. If the County has not concurred that the Work is substantially complete, the Contractor shall provide the County another Certificate of Partial or Substantial Completion notifying the County of the date when, in his opinion, the listed items of unfinished Work or Defective Work will be substantially complete and ready for inspection.

(b) The Contractor shall notify the County, in writing, of the date when the Work will reach Final Completion and will be ready for final inspection and testing. The notice shall be given at least five (5) days in advance of said date. That inspection and any necessary testing shall be conducted in the same manner as the inspection for Substantial

Completion. When the Work is finally and totally complete, including the elimination of all defects, the Work shall be finally accepted by the County and final payment shall be made in accordance with these General Conditions.

(c) The County's Representative shall conduct the inspections. The County may elect to have other persons of its choosing also participate in the inspections. If one or more Substantial or Final Completion re-inspections are required, the Contractor shall reimburse the County for all costs of re-inspection or, at the County's option, the costs may be deducted from payments due to the Contractor.

(d) Approval of Work at or as a result of any inspection required herein shall not release the Contractor or his surety from responsibility for complying with the Contract.

45. GUARANTEE OF WORK

(a) Except as otherwise specified, all Work shall be, and is hereby, guaranteed by the Contractor against defects resulting from the use of materials, equipment or workmanship, which are defective, inferior, or not in accordance with the terms of the Contract, for one (1) year from the date of Final Completion of the entire Project by the County. Equipment and facilities which have seasonal limitations on their operation (e.g. heating or air conditioning units) shall be guaranteed for one (1) full year from the date of seasonally appropriate tests and acceptance, in writing, by the County. Where the County agrees to take Beneficial Occupancy of a portion or phase of the Work which has been determined to be substantially complete before the entire Work is finally completed, the guarantees for the materials, equipment and workmanship in that portion or phase shall begin on the date that the County takes Beneficial Occupancy, unless otherwise specified in the Supplemental Conditions or by separate agreement.

(b) If, within any guarantee period, Work which is not in accordance with the Contract, Defective Work, or inferior material, equipment or workmanship is noted by the County which requires or renders necessary repairs or changes in connection with the guaranteed Work, the Contractor shall, promptly upon receipt of notice from the County, such notice being given not later than two (2) weeks after the guarantee period expires, and without expense to the County:

(1) Place in satisfactory condition in every particular all of such guaranteed Work and correct all defects, inferior materials, equipment or workmanship therein;

(2) Make good all damage to the structure or Site or equipment or contents thereof, which, in the opinion of the County, is the result of the use of materials, equipment or workmanship which are inferior, defective or not in accordance with the terms of the Contract; and

(3) Make good any Work or materials or the equipment and contents of structures and/or Site disturbance that results from fulfilling the provisions of this Section.

(c) In any case, when in fulfilling the requirements of the Contract and this guarantee or any other guaranty or warranty, the Contractor disturbs any work performed by a separate contractor, he shall restore such work to a condition satisfactory to the County and guarantee such restored work to the same extent as if it was guaranteed under this Contract.

(d) If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee as set forth in this Section, the County may have the defects or inferior materials, equipment or workmanship corrected and the Contractor and his surety shall be liable for all expense incurred.

(e) All special warranties and guarantees applicable to definite parts of the Work that may be stipulated in or required by the Contract Documents shall be subject to the terms of this Section during the first year of the life of such special warranty or guarantee.

(f) The guarantee of this Section shall be in addition to and not in lieu of all other warranties, express or implied, applicable to or arising from this Contract or by law.

(g) Nothing contained in this Section shall be construed to establish a period of limitation with respect to any other obligation which the Contractor might have under the Contract Documents, including liability for Defective Work. This Section relates only to the specific obligation of the Contractor as set forth in this Section to correct the Work and does not limit the time within which his obligation to comply with the Contract Documents may be sought to be

enforced, nor the time within which proceedings may be commenced to establish the Contractor's liability with respect to his other obligations under the Contract Documents.

(h) In the event the Work of the Contractor is to be modified by another contractor, either before or after the Final Inspection, the first Contractor shall remain responsible in all respects under this Section's Guarantee of Work and under any other warranties or guarantees, express or implied, applicable to or arising from this Contract or by law. However, the Contractor shall not be responsible for any defects in material or workmanship introduced by the contractor modifying his Work. The first Contractor and the contractor making the modifications shall each be solely responsible for his respective work. The contractor modifying the earlier Work shall be responsible for any damage to or defect introduced into the Work by his modification. If the first contractor claims that a subsequent contractor has introduced defects of materials and/or workmanship into his Work, it shall be the burden of the contractor making the claim to demonstrate clearly the nature and extent of such introduced defects and the other contractor's responsibility for those defects. Any contractor modifying the work of another shall have the same burden if he asserts that defects in his work were caused by the contractor whose work he is modifying.

46. ASSIGNMENTS

Neither party to the Contract shall assign the Contract in whole or any part without the written consent of the other, nor shall the Contractor assign any moneys due or to become due to him hereunder, without the prior written consent of the County. No assignment shall relieve any party from its obligations under the Contract.

47. CONTRACTUAL DISPUTES (Virginia Code § 2.2-4363)

(a) Contractual claims, whether for money or for other relief, shall be submitted, in writing, no later than sixty (60) days after final payment; however, written notice of the Contractor's intention to file such claim must be given at the time of the occurrence or beginning of the Work upon which the claim is based. The filing of a timely notice is a prerequisite to recovery under this Section. Although the Contractor may be required to submit certain classes of claims prior to final payment, and the Contractor is not prevented from filing claims during the pendency of the Work, the County shall not be obligated to render a final written decision on any claim until after final payment. All claims shall be submitted along with all practically available supporting evidence and documentation.

(b) No written decision denying a claim or addressing issues related to the claim, if rendered prior to final payment, shall be considered a denial pursuant to this Section unless the written decision makes express reference to this Section and is signed by the County. The Contractor may not institute legal action prior to receipt of the County's final written decision on the claim unless the County fails to render such a decision within ninety (90) days of submission of the claim or within ninety (90) days of final payment, whichever is later.

(c) The decision of the County shall be final and conclusive unless the Contractor within six (6) months of the date of the final decision on a claim, initiates legal action as provided in § 2.2-4364 of the Code of Virginia. Failure of the County to render a decision within 90 days shall not result in the Contractor being awarded the relief claimed nor shall it result in any other relief or penalty. The sole result of the County's failure to render a decision within 90 days shall be the Contractor's right to immediately institute legal action. No administrative appeals procedure pursuant to § 2.2-4364 of the Code of Virginia has been established for contractual claims under this Contract.

[SECTION 48 OMITTED]
[SECTION 49 OMITTED]

50. PROJECT MEETINGS

The intention of this section is to enable the County and the Contractor to have a timely exchange of information and to accomplish the Work in a cooperative manner as required by the Contract Documents. The Contractor is responsible for managing the Work, obtaining approvals and requesting clarifications on a timely, reasonable basis. The County is responsible for making a reasonable effort to provide timely responses to the Contractor.

Preconstruction Meeting:

(a) Prior to the start of construction, a "Pre-construction" meeting shall be held. In attendance should be: (a) the County's Representative and Project Inspector, if any; (b) when appropriate, representatives of each design discipline involved in the Project; (c) the Contractor's Representative and superintendent and, representatives of the Contractor's major Subcontractors, if any; and (d) such other persons either the County or the Contractor may invite. No decisions made at this meeting shall be binding unless appropriate Field Orders or Change Orders are issued. This meeting is to exchange certain information and to clarify and discuss various topics, including but not necessarily limited to, the following:

- (1) Persons involved from each entity and their chain of authority including the names of persons authorized to sign Change Orders and any limits to their authority.
- (2) Names, addresses, telephone numbers and FAX numbers to be used for requests for information or clarification, requests for Change Orders, and notices.
- (3) Contractor's proposed construction schedule and County's sequencing requirements, if any.
- (4) Procedures for handling Field Orders and Change Orders, if any.
- (5) Procedures for Contractor's request for time extension, if any.
- (6) Construction Site requirements, procedures and clarifications to the manner of conducting the Work Site specialties, including: dust, project signs, clean up and housekeeping, temporary facilities, utilities, security, traffic, and safety layout.
- (7) Quality control, inspections, notices required, the tentative schedule of site visits by the County's Representative and others, and any proposed changes to the Project Inspector's duties
- (8) Creation, maintenance and distribution of project records, if any.
- (9) Procedures for submission of Requests for Payment.

Project Meetings and Progress Reports:

(b) Attendance at Project Meetings: Unless stated otherwise in the Supplemental Conditions, project meetings will be scheduled at least once a month. Invitees to all project meetings shall include representatives from the Contractor and the County. When appropriate, representatives of subcontractors should also be present. Under no circumstances shall project meetings be considered a reason for extensions of time or damages for delay.

(c) Purpose of Project Meetings: The purpose of project meetings shall be to facilitate the timely exchange of information and cooperate to accomplish the Work as required by the Contract Documents. The meeting is an opportunity to discuss status and workmanship of Work in progress, pending requests for payment, compliance with construction schedule, requests for clarification, pending Change Orders, running punch list items, and potential problems which need attention. No decisions made at this meeting shall be binding unless appropriate Field Orders or Change Orders are issued.

(d) Progress Reports: The first item to be discussed at a project meeting will normally be the presentation of a progress report by the Contractor. Written progress reports may be required by the Supplemental conditions. The Contractor shall review progress not less than each month, but as often as necessary to properly manage the Project and stay on schedule. The Contractor shall collect and preserve information on Change Orders, including extensions of time. The Contractor shall evaluate this information and update the latest accepted schedule as often as necessary to finish before the Contract Completion Date.

(e) Performance Delay: If any elements of the Work are behind schedule, regardless of whether they may prevent the Work from being completed on time, the Contractor must indicate in writing in his progress report what measures he is taking and plans to take to bring each such element back on schedule and to ensure that the Contract

Completion Date is not exceeded. Should any of the following conditions exist, the County may require the Contractor to prepare, at no extra cost to the County, a plan of action and a recovery schedule for completing the Work by the Contract Completion Date:

- (1) The Contractor's progress report(s) indicates delays that are, in the opinion of the County, of sufficient magnitude that the Contractor's ability to complete the Work on time is brought into question;
- (2) The Contractor's progress report(s) indicates delays that are, in the opinion of the County, of sufficient magnitude to put the Contractor thirty (30) or more days behind at any time during construction.
- (3) The Contractor desires to make changes in the sequencing of Work or the planned duration of future activities which, in the opinion of the County, are of a major nature.

The plan of action, when required, shall explain and display how the Contractor intends to regain compliance with the accepted Contract Completion Date, as updated by approved Change Orders. It shall be submitted to the County for review within five (5) business days of the Contractor receiving the County's written demand.

COUNTY OF AUGUSTA, VA
IFB #

SPECIAL TERMS AND CONDITIONS

In the event there is a conflict between any of the other General Terms and Conditions and any Special Terms and Conditions in this solicitation, the Special Terms and Conditions shall apply.

1. Prior to the start of any construction activities the Contractor shall attend a pre-construction meeting with representatives of Augusta County and other appropriate parties for the purposes of scheduling the work and coordination.
2. The Contractor shall communicate with the Owner or other designated person of reporting progress, problems or otherwise expediting the work in a timely fashion.
3. The Contractor is reminded that bids shall be **LUMP SUM** and shall include **ALL WORK** necessary to complete the project to the full intent of the plans and/or project specification. In the event of additions or deductions to the work required by the Contract Documents, the Contractor will be paid extra or shall credit the Owner, as the case may be, on the basis of the unit prices quoted on the Bid Schedule. References to “pay items” shown on the plans or specifications are not relevant for this contract.
4. The Contractor will be limited to bathrooms in the basement of the Courthouse. It might be more feasible to install portable toilets.
5. The Augusta County Board of Supervisors will approve the project and cost prior to execution of the contract.
6. The site is available for inspection prior to the bid opening date. It is preferred that the bidder completes all inspections at the time of the mandatory pre-bid meeting. At that time, access to the roof will be given through the Circuit Courthouse. The Bidder is responsible for ascertaining conditions at the site, and claims as a result of failure to inspect the site will not be considered by the County. **Please note, the access door is approximately 18 inches wide and 26 inches high. If other means of access is need to the work site for inspection, the contractor will be responsible.**
7. Work is to be conducted between 7:00 AM and 6:00 PM, Monday thru Friday. Work completion outside these hours shall be arranged through the Project Manager.
8. When conducting work, the rear, main entrance to the Courthouse shall not be blocked. Patrons must be able to ingress and egress using this public entrance/exit. Court functions will not close to allow work to be completed.
9. The Contractor will be responsible for blocking off the entrance to Barristers Row during work with appropriate signage and barricade. The barricade must be moveable, as access will need to be granted to police personnel.
10. The contractor shall obtain and pay for all applicable permits prior to beginning any work.
11. The contractor shall designate a Job Manager who shall be onsite during any work being performed. The Project Manager shall communicate to the contractor through the contractor’s Job Manager.
12. The contractor shall provide adequate protection for all structures at the site. Any damage to facilities by the contractor shall be repaired or replaced at the contractor’s expense and to the complete satisfaction of the County.
13. The contractor shall maintain an adequate supply of manpower and equipment to complete the project in a safe and timely manner.

14. The contractor is responsible for ensuring safety for citizens and employees. The Contractor is further responsible for meeting all federal and state occupational, health and safety (OSHA) requirements.
15. The contractor shall promptly remove from the premises all work and/or materials condemned by the County as failing to conform to the contract, whether incorporated or not, and the contractor shall promptly replace and re-execute condemned work in accordance with the contract and without expense to the County and shall bear the expense of making good all work of other contractors destroyed or damaged by such removal or replacement.
16. The contractor shall secure all materials and tools left on site. The County will not be responsible for theft or damage that occurs. The contractor shall take all necessary precautions.
17. All construction, including equipment and accessories, shall be secured against wind blow-off damage.
18. When conducting work, contractor shall take precautions to limit airborne debris, cleaning products, paint, etc. Such materials that fall to the roof shall be cleaned up and properly disposed of. Materials shall not be allowed to enter into gutters and storm drains. Further, the contractor is responsible for meeting any and all state and federal regulations regarding airborne debris. Any damage caused on County or private property will be the responsibility of the contractor.
19. All areas disturbed as part of this project shall be repaired and permanently stabilized by the contractor.
20. Contractor shall submit to the County a warranty covering workmanship for one (1) year.
21. Contractor is responsible for hiring crane service or other accessibility needs to complete the work. Accessibility is not available through the interior of the courthouse.
22. Augusta County has a signed contract for replacing the roof of the Circuit Courthouse. That project will immediately follow this project. If the Contractor of this project installs scaffolding around the perimeter of the Courthouse, and the same scaffolding contractor is being utilized by the roofing contract, the County requests the scaffolding to remain in place for both projects. As a result, scaffolding demobilization costs will be saved. The County will request this amount to be deducted from the total project cost.

COUNTY OF AUGUSTA, VIRGINIA

IFB

SCOPE OF WORK AND SPECIFICATIONS

GENERAL: The County of Augusta is seeking a Contractor to complete improvements in accordance with this IFB 43010-18-04 including all specifications.

SCOPE OF WORK: The Contractor shall furnish all labor, supervision, equipment, tools, parts and materials, as necessary to complete the project. The project consists of the following:

1. Surface preparation and painting of both cupola's and the lower roof shelf.
2. Cleaning of the statue on top of the cupola.
3. Replacing the missing scales on the statue.
4. Installing bird deterrent on statue and open area under statue and first cupola.
5. Repointing/repairing of the brick masonry chimneys extending on the main courthouse roof.

WORK REQUIREMENTS/SPECIFICATIONS:

Cupolas:

1. Removal of the gutting around the lower portion of the cupola. Guttering will be re-installed by others.
2. Repairs to the cupola where it meets the lower roof shelf at the existing guttering being removed.
3. Paint color is to match as closely as possible the existing color.
4. Prepare roof shelf, prime and paint with same primer and paint being used for cupolas following manufactures requirements.
5. Contractor shall compete any caulking or other sealing, as needed to cupola, roof shelf around cupola, or where the contractor is working.
6. Any existing ornate surfaces that are loose and needing repair prior to painting shall be completed by the contractor.
7. Any damage caused during surface preparation to ornate surfaces shall be repaired by the contractor.
8. The County is not opposed to mechanically preparing surfaces for paint, however the contractor is responsible for any damage caused to surfaces, including ornate surfaces. The contractor will be responsible for repairing/replacing damaged surfaces and ornate items.
9. All product manufacturer's recommendations shall be followed to insure proper surface preparations and installation of materials and in order to insure warranty of the product and of the contractor.
10. One coat of primer shall be applied in accordance with manufacturer's recommendations. Primer shall be Sherwin Williams Pro-Industrial, PRO-CRYL Universal Primer or equivalent brand. Product information is included in Exhibit A.
11. Two coats of paint shall be applied in accordance with manufacturer's recommendations. Paint shall be Sherwin William, Protective & Marine Coatings, SHERCRYL HPA, High Performance Acrylic or equivalent brand. Product information is included in Exhibit B.

Statue Cleaning:

1. Statue may be cleaned using mild environmentally friendly detergent and water.
2. Cleaning tools such as brushes appropriate for the bronze statue may be used.
3. -Pressure washing maybe utilized as well, however contractor must be mindful of airborne particles. The County will not be responsible to damage to property including buildings and vehicles.

Replacing Statue Scales:

1. The County will supply new scales that will need to be reattached by the contractor.

Installing Bird Deterrent:

1. Five (5) inch stainless steel bird spikes are planned to be installed on various horizontal surfaces. Surfaces may include the statue of Lady Justice, the opening of the first cupola under the statue, and other shelf areas.

2. Stainless steel bird spikes shall be Bird-B-Gone, Bird Spike 2001 or its equivalent. Product information is included in Exhibit C. Spikes shall be fastened to surfaces using the manufacturers recommended product. Bird-B-Gone has recommended E6100. An equivalent may be used. Exhibit C includes adhesive information.
3. All horizontal surfaces where deterrent is to be applied will be determined at the beginning of construction and when access to the statue and cupolas have been installed by the contractor. Please note the bid includes a price per foot installed. The linear footage will be determined upon viewing of the area and determining the location needed.

Repointing Masonry Chimneys:

1. The two existing brick chimneys extending from the courthouse roof need to be repointed/repared.
2. Contractor shall use mortar appropriate to existing conditions and in order to provide permanent bond.
3. Contractor shall be responsible for ensuring all loose mortar joints and loose bricks are satisfactorily fastened.



SHERWIN WILLIAMS

PRO

INDUSTRIAL™



113.05A

PRO-CRYL® UNIVERSAL PRIMER



B66W01310 Off White
B66A01320 Medium Grey
B66N01310 Red Oxide

As of 04/17/2017. Complies with:

OTC	Yes	LEED® 09 NC, CI	Yes
OTC Phase II	Yes	LEED® 09 CS	Yes
SCAQMD	Yes	LEED® 09 H&S	Yes
CARB	Yes	LEED® v4 Emissions	Yes
CARB SCM 2007	Yes	LEED® v4 VOC	Yes
Canada	Yes	MPI	Yes

CHARACTERISTICS

Pro Industrial Pro-Cryl® Universal Primer is an advanced technology, self cross-linking acrylic primer. It is rust inhibitive and was designed for both construction and maintenance applications. It can be used as a primer under water-based or solvent-based high performance topcoats.

- Rust inhibitive, corrosion resistant
- Single component
- Early moisture resistant
- Fast dry
- Lower temperature application 40°F
- Interior and exterior use
- Suitable for use in USDA inspected facilities

For use on properly prepared:

- Steel, Galvanized & Aluminum
- Wood

Color: Off White,
Recommended Spread Rate per coat:
 Wet mils: 5.0 - 10.0
 Dry mils: 1.9 - 3.8
 ~Coverage: 160 - 320 sq ft/gal

Approximate spreading rates are calculated on volume solids and do not include any application loss. Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Time @ 6.0 mils wet 50% RH:

	40°F	77°F	120°F
To touch:	2 hrs	40 min	20 min
Tack free:	8 hrs	2 hrs	1 hr
To recoat:	16 hrs	4 hrs	2 hrs

Drying time is temperature, humidity, and film thickness dependent.

Finish: Low sheen

Flash Point: N/A

Shelf Life: 36 months, unopened
Store indoors at 40°F to 100°F.

Tinting: DO NOT TINT

Off White B66W01310 (may vary by color)
VOC (less exempt solvents):
 <50 g/L - 0.42 lb/gal

As per 40 CFR 59.406 and SOR/2009-264, s.12

Volume Solids: 38% ± 2%

Weight Solids: 49% ± 2%

Weight per Gallon: 10.09 lb

RECOMMENDED SYSTEMS

Water Based Topcoat:

- 1-2 cts. Pro Industrial Acrylic Coating
- or Pro Industrial Acrylic Dryfall
- or Pro Industrial DTM Acrylic
- or Pro Industrial Multi-Surface Acrylic
- or Pro Industrial Pre-Catalyzed Epoxy
- or Pro Industrial Water Based Acrolon 100
- or Pro Industrial Water Base Alkyd Urethane
- or Pro Industrial Water Based Catalyzed Epoxy
- or Sherwin-Williams Architectural Coatings

Solvent Based Topcoat:

- 1-2 cts. Pro Industrial High Performance Epoxy
- or Pro Industrial Urethane Alkyd

The systems listed above are representative of the product's use, other systems may be appropriate.

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
 1 ct. Pro Industrial Pro-Cryl Universal Off White Primer
 1 ct. Pro Industrial Acrylic Coating

Adhesion:
Method: ASTM D4541
Result: 500 psi

Moisture Condensation Resistance:
Method: ASTM D4585, 100°F, 1250 hours
Result: Passes

Corrosion Weathering:
Method: ASTM D5894, 10 cycles, 3360 hours
Result: Passes

Pencil Hardness:
Method: ASTM D3363
Result: B

Direct Impact Resistance:
Method: ASTM D2794
Result: >140 in. lbs.

Salt Fog Resistance:
Method: ASTM B117, 1250 hours
Result: Passes

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Provides performance comparable to products formulated to federal specification: AA50557 and Paint Specification: SSPC-Paint 23.

Flexibility:
Method: ASTM D522, 180° bend, 1/4" mandrel
Result: Passes

PRO INDUSTRIAL™
PRO-CRYL® UNIVERSAL PRIMER



SHERWIN-WILLIAMS.

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Iron and Steel - Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2. Remove all oil and grease from the surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Self priming.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Self priming.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned. Self priming.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

APPLICATION PROCEDURES

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating below minimum recommended spreading rate will adversely affect coating performance.

SAFETY PRECAUTIONS

Refer to the SDS sheets before use. **FOR PROFESSIONAL USE ONLY**
 Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

PERFORMANCE TIPS

Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. For best results on rusty surfaces, always apply first coat by brush.
 No painting should be done immediately after a rain or during foggy weather.
 When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.
 For optimal performance, this primer should be topcoated.
 For exterior exposure, this primer should be topcoated within 14 days. If 14 days is exceeded remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Finish with appropriate topcoat.

APPLICATION

Refer to the SDS before using
Temperature: 40°F minimum
 120°F maximum
 (air, surface, and material)
At least 5°F above dew point
Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray

Pressure2000 psi
 Hose 1/4" ID
 Tip015" - .019"
 Filter 60 mesh
 Reduction Not recommended

Conventional Spray

Gun Binks 95
 Fluid Nozzle 66
 Air Nozzle 63PB
 Atomization Pressure 60 psi
 Fluid Pressure 25 psi
 Reduction as needed up to 5% by volume

Brush Nylon/Polyester
 Reduction Not recommended

Roller 3/8" woven
 Reduction as needed up to 5% by volume

If specific application equipment is listed above, equivalent equipment may be substituted.

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW 04/17/2017 B66W01310 01 39

KOR, FRC,SP

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.



**Protective
&
Marine
Coatings**

**SHER-CRYL™ HPA
HIGH PERFORMANCE ACRYLIC**

B66-300 SERIES
B66-350 SERIES

GLOSS
SEMI-GLOSS

Revised: Oct 28, 2015

PRODUCT INFORMATION

1.26

PRODUCT DESCRIPTION

SHER-CRYL HPA is a new technology, ambient cured, one component acrylic coating with superior exterior performance properties. Provides performance comparable to high performance solvent based coatings such as urethanes and epoxies.

- Chemical resistant
- Superior color and gloss retention
- Outstanding early moisture resistance
- Flash rust/early rust resistant
- Low odor, low VOC
- Corrosion resistant
- Fast dry
- Outstanding application characteristics

PRODUCT CHARACTERISTICS

Finish:	High Gloss or Semi-Gloss
Color:	Wide range of colors available
Volume Solids:	38.5% ± 2%, Ultra White
Weight Solids:	51% ± 2%, Ultra White
VOC (EPA Method 24):	<200 g/L; 1.66 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	6.0 (150)	10.0 (250)
Dry mils (microns)	2.5 (63)	4.0 (100)
~Coverage sq ft/gal (m ² /L)	154 (3.8)	247 (6.0)
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil / 25 microns dft	616 (15.1)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 7.0 mils wet (175 microns):

	@ 50°F/10°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
To touch:	1 hour	30 minutes	5 minutes
To handle:	8 hours	5 hours	15 minutes
To recoat:	8 hours	5 hours	15 minutes
To cure:	30 days	30 days	30 days

Drying time is temperature, humidity, and film thickness dependent.

Shelf Life:	36 months, unopened Store indoors at 50°F (10°C) to 100°F (38°C)
Flash Point:	>230°F (110°C) PMCC, mixed
Reducer:	Water R8K10 - WB Hot Weather Reducer up to 10%
Clean Up:	Water

RECOMMENDED USES

For use over prepared:

- Steel
- Aluminum
- Zinc rich primers
- Galvanizing
- Concrete
- Wood
- Masonry

Examples:

- Buildings
- Machinery
- Power plants
- Select Marine Structures
- Storage Tanks
- Equipment
- Piping
- Water treatment plants
- New Construction
- Structural Steel

- Suitable for use in USDA inspected facilities
- Can be used as a dryfall coating under certain environmental conditions (see Application Bulletin)
- Conforms to AWWA D102 OCS #3
- Acceptable for use in high performance architectural applications
- Acceptable for interior use / drywall
- Conforms to MPI #'s 154 & 164 (Gloss); 141, 153, & 163 (Semi-Gloss)
- Complies with performance criteria of SSPC Paint 24.
- FIRETEX Hydrocarbon Coatings

PERFORMANCE CHARACTERISTICS

Substrate*: Steel

Surface Preparation*: SSPC-SP10

System Tested*:

2 cts. Sher-Cryl HPA @ 3.0 mils (75 microns) dft/ct
*unless otherwise noted below

Test Name	Test Method	Results
Adhesion	ASTM D4541	946 psi
Corrosion Weathering ¹	ASTM D5894, 10 cycles, 3,360 hours	Rating 9 per ASTM D610 for rusting ; Rating 10 per ASTM D714 for blistering
Direct Impact Resistance	ASTM D2794	>100 in. lbs.
Dry Heat Resistance	ASTM D2485	300°F (149°C)
Exterior Durability	3 years, 45° South	Excellent
Flexibility	ASTM D522, 180° bend, 1/8" mandrel	Passes
Humidity Resistance ¹	ASTM D4585, 1,250 hours	Rating 9 per ASTM D1654 for corrosion ; Rating 10 per ASTM D714 for blistering
Pencil Hardness	ASTM D3363	2B
Salt Fog Resistance ¹	ASTM B117, 1,250 hours	Rating 9 per ASTM D1654 for corrosion ; Rating 10 per ASTM D714 for blistering
Thermal Cycling	ASTM D2246, 10 cycles	Passes

Footnote:

¹ 1 ct. Sher-Cryl HPA over 1 ct. Pro Industrial Pro-Cryl Universal Primer

Provides performance comparable to products formulated to federal specification: AA50570, and Paint Specification: SSPC-Paint 23 and 24.



Protective & Marine Coatings

SHER-CRYL™ HPA HIGH PERFORMANCE ACRYLIC

B66-300 SERIES
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PRODUCT INFORMATION

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RECOMMENDED SYSTEMS

	Dry Film Thickness / ct.	
	Mils	(Microns)
Steel:		
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Steel:		
1 ct. Pro Industrial Pro-Cryl Universal Primer	2.0-4.0	(50-100)
1-2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Steel:		
1 ct. DTM Acrylic Primer/Finish	2.5-5.0	(63-125)
or Kem Bond HS	2.0-5.0	(50-125)
or Zinc Clad Primer	3.0-5.0	(75-125)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Steel:		
1 ct. Zinc Clad XI	3.0-4.0	(75-100)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Aluminum:		
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Aluminum:		
1 ct. DTM Wash Primer	0.7-1.3	(18-32)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Galvanizing:		
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Concrete Block:		
1 ct. Heavy Duty Block Filler	10.0-18.0	(250-450)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Concrete/Masonry:		
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Prefinished Siding: (Baked-on finishes)		
1 ct. DTM Bonding Primer	2.0-5.0	(50-125)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Wood, exterior:		
1 ct. A-100 Exterior Oil Wood Primer 1.5		(38)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
Wood, interior:		
1 ct. Premium Wall & Wood Primer 1.8		(45)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)

The systems listed above are representative of the product's use, other systems may be appropriate.

DISCLAIMER

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SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

- Iron & Steel: SSPC-SP2
- Aluminum: SSPC-SP1
- Galvanizing: SSPC-SP1
- Concrete & Masonry: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3
- * Wood: Dry and sanded smooth
- * Prefinished Siding: SSPC-SP1
- * Requires primer

Surface Preparation Standards

Condition of Surface	ISO 8501-1	Swedish Std.	SSPC	NACE
White Metal	BS7079:A1	SI5055900	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 7	3
Brush-Off Blast	Sa 1	Sa 1	SP 3	4
Hand Tool Cleaning	St 2	St 2	SP 2	5
Rusted	St 3	St 3	SP 3	6
Pitted & Rusted	St 3	St 3	SP 3	7
Power Tool Cleaning	St 3	St 3	SP 3	8

TINTING

Tint with CCE or EnviroToner colorants at 100% strength. Do not use BAC.

Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

APPLICATION CONDITIONS

Temperature: 50°F (10°C) minimum, 120°F (49°C) maximum (air, surface, and material)
At least 5°F (2.8°C) above dew point
Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging: 1 gallon (3.78L) and 5 gallon (18.9L) containers
Weight: 10.30 ± 0.2 lb/gal 1.24 Kg/L

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



Protective & Marine Coatings

SHER-CRYL™ HPA HIGH PERFORMANCE ACRYLIC

B66-300 SERIES
B66-350 SERIES

Gloss
SEMI-GLOSS

Revised: Oct 28, 2015

APPLICATION BULLETIN

1.26

SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Iron & Steel

Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance.

Aluminum

Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

Galvanizing

The surface should be weathered for 6 months prior to painting. Remove all oil and grease per SSPC-SP1. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime area the same day as cleaned with Pro Industrial Pro-Cryl.

Concrete and Masonry

For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly cleaned and dry. Surface temperatures must be at least 55°F (13°C) before filling. If required for a smoother finish, use Heavy Duty Block Filler, B42V46. Filler must be thoroughly dry before topcoating per manufacturer's recommendations.

Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood

Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

Pre-Finished Siding:

Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

Previously Painted Surfaces

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

Surface Preparation Standards

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	St 2	St 2	SP 2	-
Pitted & Rusted	St 2	St 2	SP 2	-
Rusted	St 3	St 3	SP 3	-
Power Tool Cleaning	St 3	St 3	SP 3	-
Pitted & Rusted	St 3	St 3	SP 3	-

APPLICATION CONDITIONS

Temperature: 50°F (10°C) minimum, 120°F (49°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer Water
R8K10 - WB Hot Weather Reducer
up to 10%

Clean Up Water

Airless Spray

Pressure..... 1500 psi
Hose..... 1/4" ID
Tip..... .017" - .021"
Filter..... 60 mesh
Reduction..... Not recommended

Conventional Spray

Gun Binks 95
Fluid Nozzle 66
Air Nozzle..... 63PB
Atomization Pressure..... 50 psi
Fluid Pressure..... 15-20 psi
Reduction..... As needed up to 12½% by volume

Brush

Brush..... Nylon / polyester
Reduction..... Not recommended

Roller

Cover 3/8" woven solvent resistant core
Reduction..... Not recommended

If specific application equipment is not listed above, equivalent equipment may be substituted.



Protective & Marine Coatings

SHER-CRYL™ HPA HIGH PERFORMANCE ACRYLIC

B66-300 SERIES
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APPLICATION BULLETIN

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APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mixing Instructions: Mix paint thoroughly to a uniform consistency with low speed power agitation prior to use.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	6.0 (150)	10.0 (250)
Dry mils (microns)	2.5 (63)	4.0 (100)
~Coverage sq ft/gal (m ² /L)	154 (3.8)	247 (6.0)
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil / 25 microns dft	616 (15.1)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 7.0 mils wet (175 microns):

	@ 50°F/10°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
To touch:	1 hour	30 minutes	5 minutes
To handle:	8 hours	5 hours	15 minutes
To recoat:	8 hours	5 hours	15 minutes
To cure:	30 days	30 days	30 days

Drying time is temperature, humidity, and film thickness dependent.

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with Mineral Spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using Mineral Spirits.

DISCLAIMER

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PERFORMANCE TIPS

Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle

During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

Excessive reduction of material can affect film build, appearance, and adhesion.

Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion.

Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

Sher-Cryl Acrylic is extremely sensitive to hydrocarbon containing solvents. When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. Do not use hydrocarbon containing solvents.

Do not use hydrocarbon solvents for cleaning.

Refer to Product Information sheet for additional performance characteristics and properties.

Sher-Cryl can be used as a dryfall coating in certain environmental conditions. Test product before each application. Test by spraying 15-25 feet toward paint container. All material should readily wipe clean. Temperature and humidity will affect ability to dryfall. Hot surface will cause overspray to bond to surface. Always clean overspray immediately from hot surfaces.

Refer to Product Information sheet for additional performance characteristics and properties.

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

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Installation Instructions

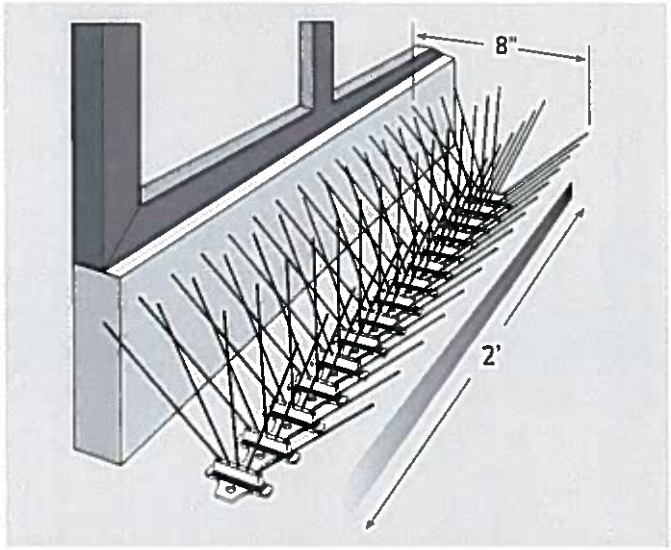
Bird Spike 2001® Stainless Steel Bird Spike

Bird B Gone® patented Stainless Steel Bird Spike Bird Spike 2001® is the most effective, permanent protection to deter birds from landing and roosting. Bird Spike 2001® is made of high-quality stainless steel that will not rust or deteriorate under extreme conditions. The U.V. protected polycarbonate bird spike base is flexible, can bend 360°, and will fit flat and curved surfaces. Bird Spike 2001® has an industry leading guarantee of 10-years and is available in 1", 3", 5", and 8" widths.

BIRD SPIKES ARE NOT RECOMMENDED IN AREAS WHERE BIRDS ARE NESTING.

APPLICATIONS

Bird Spike 2001® is a versatile system that can be easily glued, screwed, or tied down to various surfaces.



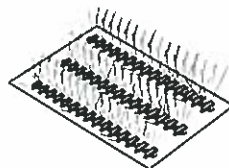
Bird Species	Pigeons, seagulls or larger birds
Bird Pressure	Light to Medium
Where to Use	Ledges, I-beams, parapet walls, conduits, signs, flat or curved surfaces
Warranty	10-year manufacturer's warranty
Commercial Packaging	50 ft. per box (25 – 2 ft. sections/box) Each box measures 26" x 19" x 7"



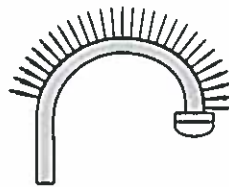
Ledges:
Bird Spike 2001® prevents pest birds from congregating on ledges, sills, roof tops, etc. Installing Bird Spike 2001® will stop birds from landing, roosting, and creating unsightly messes and health problems.



Conduit:
Bird Spike 2001® can be attached to wires, conduit, gutters, and pipes by using common hose clamps, nylon ties, wire, or glue.



Large Flat Surface:
Bird Spike 2001® can be installed in multiple rows for a wider area of coverage.

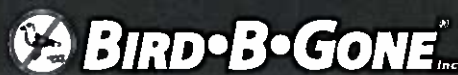


Curved Surfaces:
Bird Spike 2001® is so flexible that it can bend 360° without breaking. Install Bird Spike 2001® on all curved surfaces such as lampposts, signs, letters, etc. by using adhesive with nylon ties, hose clamps, etc.

Have installation questions?
Call Bird•B•Gone® at 949.472.3122 or 800.392.6915



Scan this QR code to watch installation instruction video.



800.392.6915 | www.birdbgone.com | made in the USA

Installation Instructions

Bird Spike 2001[®] Stainless Steel Bird Spike

CAUTION: READ AND FOLLOW ALL INSTRUCTIONS PRIOR TO INSTALLATION. SPIKES ARE SHARP. WEAR GLOVES AND SAFETY EYE WEAR. KEEP OUT OF REACH OF CHILDREN AND PETS. DO NOT INSTALL WHERE HUMAN PHYSICAL CONTACT IS POSSIBLE.

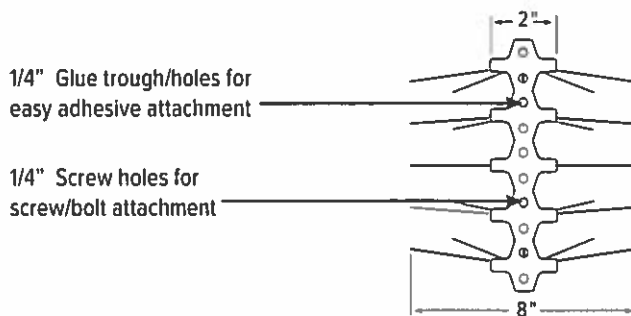
1. DISINFECT AND CLEAN ALL SURFACE AREAS

Thoroughly clean all surfaces prior to Bird Spike 2001[®] installation. Suggestion: Use Microcide SQ[™] or a 10% bleach or ammonia solution to disinfect the area. It is extremely important that all debris including overhanging branches, leaves, nests, etc. is removed prior to disinfection. Allow area to dry before installation.

DUE TO INFECTIOUS DISEASES ASSOCIATED WITH BIRD FECES, USE EXTREME CARE WHEN REMOVING NESTS AND BIRD DROPPINGS.

2. DETERMINE THE METHOD OF ATTACHMENT

For Concrete, Brick, Steel: Adhere bird spike strips using non-silicone outdoor construction-grade adhesive. Run a bead of adhesive down the underside of each bird spike strip. Press bird spike strip into place allowing the adhesive to mushroom-up for more effective adhesion. Bird-B-Gone[®] recommends the use of SikaFlex and Eclectic E6100 brand adhesives for best adhesion. One caulking tube of adhesive will adhere approximately 25 ft. of Bird Spike 2001[®].



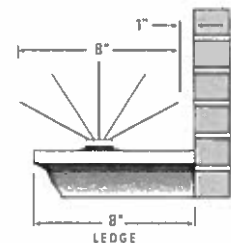
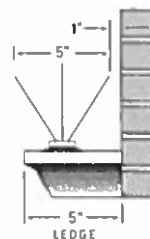
For Wood: Use wood screws to secure bird spike strips to wood surfaces. Using pre-drilled holes along the base, screw into the end of each bird spike strip tightly and place one wood screw at least every six inches along the base.

Tie Down: For pipes and other areas, secure bird spike strips with nylon ties by wrapping and securing the tie around the base of the bird spike strip.

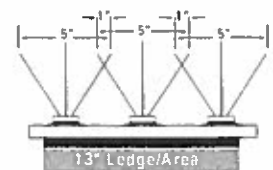
NOTE: WHENEVER POSSIBLE, BIRD SPIKE STRIPS SHOULD BE SCREWED OR BOLTED DOWN IN CONJUNCTION WITH THE USE A NON-SILICONE OUTDOOR CONSTRUCTION-GRADE ADHESIVE.

3. SPIKE PLACEMENT

- To prevent birds from nesting behind the spike, leave no more than 1" gap between the wall and the bird spike strip.
- To prevent birds from sitting on the ledge, leave a minimum of 1/2" overhang between the tip of the bird spike and front/leading edge.



- For wide areas, multiple rows of bird spike strips may need to be installed. Install bird spike strips with 1" overlap.



4. ADAPTING TO SIZE

- Bird Spike 2001[®] can be easily cut to desired size using tin snips, wire cutters, or snapped apart by hand along the narrow section of the bird spike strip base.

Have installation questions?

Call Bird-B-Gone[®] at 949.472.3122 or 800.392.6915



800.392.6915 | www.birdbgone.com | made in the USA

6.500 Cut Length/Repeat (Run background color entire length)

6.123 Circumference

0.125 Copy Clearance

0.250 Top Copy Clearance

0.188 Copy Clearance

0.377 Unvarnished

NON-SAG RESISTENTE A LA FLEXION

CLEAR
Transparente

EG100

PRO-GRADE ADHESIVE ADHESIVO DE CALIDAD PROFESIONAL

**2X STRONGER
60X MORE FLEX**
THAN POLYURETHANE ADHESIVES*

- Waterproof Impermeable
- Interior/Exterior Para interiores y exteriores
- Permanent Permanente
- Paintable Se puede pintar

**WARNING
VAPOR HARMFUL**
See Other Cautions On Back Panel.
ADVERTENCIA VAPOR DAÑINO
Consulte otras precauciones en el panel posterior



10.2 fl oz (301.6 mL)

EG100 is a unique **NON-SAG** non-flammable industrial adhesive formulated to meet high-performance requirements. It permanently adheres to more surfaces than virtually any other adhesive, providing exceptional adhesion to wood, metal, glass, fiberglass, ceramics, masonry concrete, asphalt, leather, rubber, PVC, neoprene, vinyl and many plastics. This NON-SAG formula will not drip or run and is highly recommended for use in applications requiring vertical hold. EG100 maintains its flexible bond in extreme cold temperatures, will not crack or become brittle and is excellent for bonding items subject to vibration. For applications exposed to direct sunlight, paint over EG100 after curing.

EG100 es un adhesivo industrial no inflamable **RESISTENTE A LA FLEXION** exclusivo formulado para cumplir con requerimientos de alto rendimiento. Se adhiere de forma permanente a más superficies que casi todos los demás adhesivos lo que brinda una adhesión excepcional para metales, vidrio, fibra de vidrio, cerámica, mampostería, concreto, asfalto, cuero, goma, PVC, neopreno, vinilo y muchos plásticos. Esta fórmula **RESISTENTE A LA FLEXION** no gotea ni se corre y es muy recomendada para usarse en aplicaciones que requieren una sujeción vertical. EG100 mantiene su unión flexible a temperaturas extremadamente bajas, no se raja ni se vuelve quebradizo y es excelente para adherir artículos sujetos a vibración. Para aplicaciones expuestas a la luz directa del sol, pinte sobre el EG100 después de que cure.

Contains perchloromethylene and drometizole. Harmful if inhaled. May cause dizziness, headache or nausea. May cause skin and respiratory tract irritation. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful. May produce allergic skin reaction. **WARNING:** This product contains a chemical known to the State of California to cause cancer. Avoid contact with eyes and skin. Use in a well ventilated area. To avoid breathing vapors, open windows and doors or use other means to ensure fresh air entry during application and curing. Wash hands after use. If allergic reaction develops, discontinue use.

FIRST AID: If you experience difficulty in breathing, move to fresh air. If symptoms persist, get medical attention. In case of eye contact, flush immediately with plenty of water; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting.

KEEP OUT OF REACH OF CHILDREN

Contiene percloroetileno y drometizole. Nocivo si se inhala. Puede causar mareos, dolores de cabeza o náuseas. Puede provocar irritación en la piel y las vías respiratorias. El uso indebido al concentrar e inhalar deliberadamente el contenido de este producto puede ser dañino. Puede producir una reacción alérgica en la piel. **ADVERTENCIA:** Este producto contiene una sustancia química reconocida por el estado de California como causante de cáncer. Evite el contacto con los ojos y la piel. Use en un área bien ventilada. Para evitar respirar los vapores, abra ventanas y puertas o use otros medios para garantizar la entrada de aire fresco durante la aplicación y el curado. Lávese las manos después de usar. Si se produce una reacción alérgica, deje de usarlo.

PRIMEROS AUXILIOS: Si siente dificultad para respirar, retirese del área para buscar aire fresco. Si los síntomas persisten, busque atención médica. En caso de contacto con los ojos, enjuague inmediatamente con abundante agua. En caso de contacto con la piel, lávese cuidadosamente con jabón y agua. Si se ingiere, no induzca el vómito.
MANTÉNGA ALEJADO DEL ALCANCE DE LOS NIÑOS

*Test method: Método de prueba: ASTM 412-06a

LIMITED WARRANTY: The manufacturer will not accept liability for more than product replacement. **GARANTÍA LIMITADA:** El fabricante solo aceptará responsabilidad por el reemplazo del producto.

Manufactured by/Fabricado por Eclectic Products, Inc., 101 Dixie Mae Dr., Pineville, LA 71360-3993 USA / EE.UU. For technical assistance, call / Para obtener asistencia técnica, llame al (800) 767-4667.

eclecticproducts.com e-6000.com 03204100 13sw04

VOC 2.0 g/L

COV 2.0 g/L

IDEAL FOR:

- counter top assembly
- cracks in vertical brick & mortar
- HVAC systems
- leaking containers/pipes
- locking down fasteners against vibration
- seams in trailers
- installing and securing building signs
- wall paneling
- roof flashing/shingles
- garage door assemblies
- auto upholstery/paneling/molding
- and much more!

DIRECTIONS - Read directions and test small area before use.

- Surface should be clean, dry and free of dirt.
- Trim end of nozzle. Puncture inner seal.
- Product can be used between 50 and 90 °F / 10 and 32 °C
- Apply a thin coat to each surface. Wait approximately 2 minutes before mating surfaces.
- For maximum-strength bond, allow 24-72 hours cure time.
- Clean uncured adhesive with acetone or citrus-based solvents. Cured material may be removed by cutting or scraping. For prolonged storage after opening, cover or plug the opening of the nozzle.

IDEAL PARA:

- ensamblaje de cubiertas prefabricadas
- grietas en mamparas y ladrillos verticales
- sistemas de calefacción, ventilación y aire acondicionado
- tubos/recipientes que gotean
- asegurar sujetadores para resistir la vibración
- uniones en remolques
- instalar y asegurar interiores de edificios
- paneles de pared
- tejas/lacajuntas para techo
- ensamblajes de puertas de garaje
- tapicería de autos/paneles/molduras
- y mucho más!

INSTRUCCIONES: Lea las instrucciones y pruebe en un área pequeña antes de aplicarlo.

- La superficie debe estar limpia, seca y sin suciedad.
- Recorte el extremo de la boquilla. Perfure el sello interior.
- El producto puede ser utilizado a una temperatura entre 10 °C y 30 °C
- Aplique una capa delgada a cada superficie. Espere aproximadamente 2 minutos antes de unir las superficies.
- Para obtener una adhesión máxima, deje curar durante 24 a 72 horas.
- Limpie el adhesivo no curado con acetona o con disolventes de base cítrica. El material curado puede ser retirado cortándolo o raspándolo. Para almacenamiento por un tiempo prolongado después de abrirlo, cubra o coloque la abertura de la boquilla.

NOTE: May damage finished surfaces. Avoid such contact until completely dry. Not recommended for use on polystyrene, polyethylene, polypropylene, Styrofoam™ or paper products. Not recommended for any items that come into contact with food, drinking water or animals.

NOTA: Puede dañar las superficies acabadas. Evite el contacto hasta que esté completamente seco. No se recomienda para usarse en poliestireno, polietileno, polipropileno, Styrofoam™ o productos de papel. No se recomienda para ningún artículo que entre en contacto con alimentos, agua potable o animales.

Greater/Strip in UPC-A @
100% GS1 Standards
in this orientation
0 76818 31301 4

0.37

0.37

Eye Spot

0.438 Bottom Copy Clearance

Grain Of Stock
Direction Of Unwind

0.188
0.065

0.375

8.406 Web Width