INVITATION FOR BIDS-
HAY BARN

BID NUMBER: B2022-06-12

DATE: 06/24/2022

OPENING DATE AND TIME: August 8, 2022, 10:00 AM EST

OPENING LOCATION: Riverbanks Zoo & Garden
Procurement Services
400 Rivermont Drive
Columbia, SC 29210

MAILING ADDRESS: Riverbanks Zoo & Garden
Attn: Raymond Brindle
400 Rivermont Drive
Columbia, SC 29210

PROCUREMENT FOR: Hay Barn

Subject to the conditions, provisions and the enclosed specifications, sealed bids will be received at this office until the stated date and time and then publicly opened. Any bid received after the scheduled deadline will be immediately disqualified. The District assumes no responsibility for delivery of bids which are mailed. Oral, telephonic, electronic or telegraphic bids are invalid and will not receive consideration.

IT IS REQUIRED THAT THE BID NUMBER BE SHOWN ON THE OUTSIDE OF ENVELOPE.

DIRECT ALL INQUIRES TO: Raymond Brindle, Procurement Manager, 803-360-0841, rbrindle@riverbanks.org

KEY EVENTS / DATES

1. Advertisement / Posting Date       June 24, 2022
2. Mandatory Site Visit               July 6, 2022, 10:30 AM (EST.)
3. Deadline for Questions             July 11, 2022, 5:00 PM (EST.)
4. Bid Due                            August 8, 2022, 10:00 AM (EST.)

NOTICE TO BIDDERS: There will be a Mandatory Site Visit on June 6, 2021, at 10:30 AM (EST.) at Riverbanks Zoo & Garden, 500 Wildlife Parkway, Columbia, SC 29210. Meet at the reception gate. Once you cross the railroad tracks, make a right and the reception gate will be on your left. Due to the importance of all bidders having a clear understanding of the scope and requirements for this project, attendence at this meeting will be mandatory. Any changes that may be agreed upon as a result of this conference will be noted in an amendment to the bid invitation and posted on the Riverbanks Zoo and Garden procurement page. Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract. All amendments to and interpretations of this solicitation shall be in writing and issued by the Procurement Manager. Richland-Lexington Riverbanks Park District DBA Riverbanks Zoo & Garden (hereinafter known as “the District”) shall not be legally bound by any amendment or interpretation that is not in writing.
If downloading this solicitation from our website or alternate internet location, it is the responsibility of the bidder to email rbrindle@riverbanks.org to be registered as a potential bidder and to receive any subsequent amendments. Deadline for questions is July 11, 2022, by 5:00 PM (EST). All questions must be submitted in writing.

"NO BID" RESPONSE FORM

To submit a "No Bid" response for this project, this form must be completed for your company to remain on our bidders list for commodities/services referenced.

Note: Please show the solicitation number on the outside of the envelope.

Please check statement(s) applicable to your "No Bid" response --

- Specifications are restrictive, i.e. geared toward one brand or manufacturer only (explain below).
- Specifications are ambiguous (explain below).
- We are unable to meet specifications.
- Insufficient time to respond to the solicitation.
- Our schedule would not permit us to perform.
- We are unable to meet bond requirements.
- We are unable to meet insurance requirements.
- We do not offer this product or service.
- Remove us from your vendor list for this commodity/service.
- Other (specify below).

Comments:

_______________________________________________________________________________

_______________________________________________________________________________

___________________________________  ______________________________________

Company Name (as registered with the IRS)  Authorized Signature

________________________________   ___________________________________

Correspondence Address  Printed Name

________________________________   ___________________________________

City, State, Zip  Title

________________________________   ___________________________

E-mail Address (Please Print)  Date

________________________________   ___________________________

Telephone  Fax
INSTRUCTIONS TO BIDDERS

1. Only one copy of bid invitation is required, unless otherwise stated.

2. Bids, amendments thereto or withdrawal request must be received by the time advertised for bid openings to be timely filed. It is the vendor's sole responsibility to ensure that these documents are received by the Procurement Office at or before the time indicated in the bid document.

3. When specifications or descriptive papers are submitted with the bid invitation, enter bidder's name thereon.

4. Submit your signed bid on the forms provided. Show bid number on envelope as instructed. The District assumes no responsibility for unmarked or improperly marked envelopes. Unsigned bids will be rejected.

5. Bidders must clearly mark as "Confidential" each part of their bid which they consider to be proprietary information that could be exempt from disclosure under Section 30-4-4C Code of Laws of South Carolina, 1976, (1986 Cum Supp) Freedom of Information Act. The District reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the District or its agents for its determination in this regard.

6. By submission of a bid, you are guaranteeing that all goods and services meet the requirements of the solicitation during the contract period.

7. This solicitation does not commit the District to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services listed herein.

8. CORRECTION OF ERRORS ON THE BID FORM: All prices and notations shall be printed in ink or typewritten. Errors should be crossed out, corrections entered and initialed by the person signing the bid. Erasures or use of typewriter correction fluid may be cause for rejection. No bid shall be altered or amended after specified time for opening.

9. BIDDERS SCHEDULE: Enter the manufacturer, brand, and model/catalog number, as applicable, and your bid price in the space provided on the bidder’s schedule. Additional pages may be attached, when applicable, for alternates, etc.

10. NOTIFICATION: Intent to Award and/or Statement of Award will be posted on the Riverbanks Zoo & Garden website at http://www.riverbanks.org/procurement

11. RIGHT TO PROTEST: (does not apply to procurements $1-$50,000) Any prospective bidder, offeror, or contractor, who is aggrieved in connection with the solicitation of a contract shall protest in writing to the Procurement Manager within ten (10) calendar days of the date of issuance of the Invitation to Bid, Requests for Proposals or other solicitation documents, whichever is applicable, or any amendments thereto, if the amendment is at issue. Any actual bidder, offeror, or contractor, who is aggrieved in connection with the intended award or award of a contract, shall protest in writing to the Procurement Manager within ten (10) calendar days of the notification of Intent to Award or Statement of Award.

12. PROTEST PROCEDURE: A protest shall be in writing, submitted to the Procurement Manager, and shall set forth the specific grounds of the protest with enough particularity to give notice of the issues to be decided.

13. QUESTIONS REGARDING SPECIFICATIONS AND/OR THE BIDDING PROCESS:
   - To ensure fair consideration for all bidders the District prohibits any type of communications to or with any department, employee, or District official during the
solicitation process, except as provided on page one of the solicitation. This includes any communications initiated by a bidder to any District Official or employee evaluating or considering the bidder, prior to the time an award decision has been made public. **Failure to comply shall be grounds for disqualification of the offending bidder from consideration for award of the bid and/or any future solicitations.**

- Any communications between the bidder and the District shall be initiated by the Procurement Office or the appropriate District representative in order to obtain necessary information or clarification needed to develop a proper and accurate evaluation of the bid. **Failure to comply shall be grounds for disqualification of the offending bidder from consideration for award of the bid and/or any future solicitations.**

- It will be the sole responsibility of the bidder to contact the Procurement Office prior to submitting a bid to ascertain if any amendments have been issued in order to obtain all such documentation, and to return the executed documentation with their bid. All amendments will be posted on the Riverbanks Zoo & Garden website at: [http://www.riverbanks.org/procurement](http://www.riverbanks.org/procurement)

**GENERAL PROVISIONS**

1. The District reserves the right to reject any and all bids, to cancel a solicitation, and to waive any technicality if deemed to be in the best interest of the District.

2. Unit prices will govern over extended prices unless otherwise stated in this bid invitation.

3. **PROHIBITION OF GRATUITIES:** Amended section 8-13-700 and 705 of the 1976 Code of Laws of South Carolina states: "Whoever gives or offers to any public official or public employee any compensation including a promise of future employment to influence his action, vote, opinion or judgment as a public official or public employee or such public official solicits or accepts such compensation to influence his action, vote, opinion or judgment shall be subject to the punishment as provided by Section 16-9-210 and Section 16-9-220."

4. **BIDDERS QUALIFICATIONS:** Consideration will be given only to the contractors who can produce conclusive evidence that they can meet the following requirements:

   4.1 Adequate capital and credit rating sufficient to complete all operations under this contract in a satisfactory manner.

   4.2 An efficient office force with satisfactory record in expediting delivery of materials to field force, and capable of fulfilling proper liaison service with mechanical trade.

   4.3 An adequate and efficient field force with extensive knowledge of all types of work involved under this contract.

   4.4 A record of amicable relations with labor.

   4.5 An adequate supply of applicable equipment in good operating condition to fulfill the contract.

5. **LICENSES, PERMITS, INSURANCE, & TAXES:** All costs for required licenses, permits, insurances and taxes shall be borne by the Contractor.

6. **INSURANCE:**

   6.1 The amount and types of insurance required should be reasonably commensurate with the hazards and magnitude of the undertaking, but in no event of lesser amount nor more restrictive than the limits of liability and schedule of hazards below described. Without limiting its liability under the contract agreement, the Contractor shall procure and maintain, at its expense during the life of this contract, insurance of the types in the minimum amounts stated below:
<table>
<thead>
<tr>
<th>SCHEDULE</th>
<th>LIMIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>WORKERS COMPENSATION</td>
<td>Statutory</td>
</tr>
<tr>
<td>As required by the State of South Carolina.</td>
<td></td>
</tr>
</tbody>
</table>

**COMPREHENSIVE GENERAL LIABILITY**

<table>
<thead>
<tr>
<th>Description</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premises Operations</td>
<td>$1,000,000 Single Limit</td>
</tr>
<tr>
<td>Contractual Liability</td>
<td></td>
</tr>
<tr>
<td>Independent Contractors</td>
<td></td>
</tr>
<tr>
<td>Personal Injury</td>
<td></td>
</tr>
<tr>
<td>Products - Completed Operations</td>
<td></td>
</tr>
</tbody>
</table>

**AUTOMOBILE LIABILITY**

<table>
<thead>
<tr>
<th>Description</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Owned, Non-Owned, and Hired</td>
<td>$100,000 Combined</td>
</tr>
</tbody>
</table>

6.2 The Contractor's comprehensive general liability policy shall also include blanket contractual liability coverage or shall be endorsed to cover the liability assumed by the Contractor. Said insurance shall be written by a company or companies approved to do business in the State of South Carolina and acceptable to the District. Before commencing any work hereunder, certificates evidencing the maintenance of said insurance shall be furnished to the District. The District, its officials, employees and volunteers are to be covered as insured's as respects: liability arising out of activities performed by or on behalf of the contractor, including the insured's general supervision of the contract; products and completed operations of the contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the contractor. The coverage shall contain no special limitations on the scope of protection afforded the District, its officials, employees or volunteers. To accomplish this objective, the District shall be named as an additional insured under the Contractor's insurance as outlined above.

6.3 The contractor shall take out and maintain, during the life of this contract, the statutory Workmen's Compensation and Employer's Liability Insurance for all of his employees to be engaged in work on the project under this contract, and in case any such work is sublet, the contractor shall require the subcontractor similarly to provide Workmen's Compensation and Employer's Liability Insurance for all of the latter's employees to be engaged in such work.

6.4 Contractors insurance coverage shall be primary insurance as respects the District, its officials, employees and volunteers. Any insurance or self-insurance maintained the District shall be in excess of the Contractor's insurance and shall not be required to contribute. To accomplish this objective, the following wording should be incorporated in the previously referenced additional insured endorsement:

*Other Insurance:* This insurance is primary, and our obligations are not affected by any other insurance carried by the additional insured whether primary, excess, contingent or on an other basis.

6.5 Each insurance required by the District shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to Riverbanks Zoo & Garden Procurement Office.

6.6 Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage’s for subcontractors shall be subject to all the requirements stated herein.

6.7 All certificates and endorsements must be received and approved by the District within ten (10) days after notification of award.
6.8 The District, its officers and employees shall be named as an “additional insured” in the Automobile and General Liability policies, and it shall be stated on the Insurance Certificate with the provision that this coverage “is primary to all other coverage the District may possess”.

7. BIDDERS RESPONSIBILITY: Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. It is expected that this will sometimes require on-site observation. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract.

8. AWARD CRITERIA: The contract shall be awarded to the lowest responsible and responsive bidder(s) whose bid meets the requirements and criteria set forth in the Invitation for Bid. The award can be made to one or a multiple of contractors; whichever is in the best interest of the District, or unless otherwise stated on bidders’ schedule.

If two or more bidders are tied in price while otherwise meeting all of the required conditions, awards are determined in the following order of priority:

8.1 If there is a South Carolina firm tied with an out-of-state firm, the award must be made automatically to the South Carolina firm.

8.2 Tie bids involving South Carolina produced or manufactured products, when known, and items produced or manufactured out of the State must be resolved in favor of the South Carolina commodity.

8.3 Tie bids involving a business certified by the South Carolina Office of Small and Minority Business Assistance as a Minority Business Enterprise must be resolved in favor of the Minority Business Enterprise.

8.4 Tie bids involving South Carolina firms must be resolved in favor of the South Carolina firm located closest to the District.

8.5 In all other situations in which bids are tied, the award must be made to the tied bidder offering the quickest delivery time, or if the tied bidders have offered the same delivery time, the tie must be resolved by the flip of a coin witnessed by the Procurement Manager. All responding vendors must be invited to attend.

9. WAIVER: The District reserves the right to waive any Instruction to Bidders, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the District.

10. COMPETITION: This solicitation is intended to promote competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested contractor to notify the Procurement Services Office in writing within five (5) days prior to the opening date. The solicitation may or may not be changed but a review of such notification will be made prior to the award.

11. REJECTION: The District reserves the right to reject any bid that contains prices for individual items or services that are inconsistent or unrealistic when compared to other prices in the same or other bids or ambiguous bids which are uncertain as to terms, delivery, quantity, or compliance with specifications may be rejected or otherwise disregarded if such action is in the best interest of the District.
GENERAL CONDITIONS

1. DEFAULT: In case of default by the contractor, the District reserves the right to purchase any or all items in default in the open market, charging the contractor with any excessive costs. Should such charge be assessed, no subsequent bids will be considered, or purchase orders issued to the defaulting contractor until the assessed charge has been satisfied.

2. NON-APPROPRIATION: Any contract entered into by the District resulting from this bid invitation shall be subject to cancellation without damages or further obligation when funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period or appropriated year.

3. INDEMNIFICATION: The contractor agrees to indemnify and save harmless the District and all District officers, agents and employees from claims, suits, actions, damages and costs of every name and description, arising out of or resulting from the use of any materials furnished by the Contractor, provided that such liability is not attributable to negligence on the part of the District or failure of the District to use the materials in the manner outlined by the Contractor in descriptive literature or specifications submitted with the Contractor's bid.

4. CONTRACT ADMINISTRATION: Questions or problems arising after award of this contract shall be directed to the Procurement Manager. Copies of all correspondence concerning this contract shall be sent to, 400 Rivermont Drive, Columbia, SC 29210. All change orders must be authorized in writing by the Procurement Manager. The District shall not be bound to any change in the original contract unless approved in writing by the Procurement Manager.

5. PUBLICITY RELEASES: Contractor agrees not to refer to award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the User. The contractor shall not have the right to include the District's name in its published list of customers without prior approval. With regard to news releases, only the name of the project and duration of contract may be used and then only with prior approval of the District. The contractor also agrees not to publish, or cite in any form, any comments or quotes from the Riverbanks Zoo & Garden Staff unless it is a direct quote from the Public Relations Officer.

6. QUALITY OF PRODUCT: Unless otherwise indicated in this bid it is understood and agreed that any items offered or shipped on this bid shall be new and in first class condition unless otherwise indicated herein.

7. S.C. LAW CLAUSE: Upon award of a contract under this bid, the person, partnership, association or corporation to whom the award is made must comply with the laws of South Carolina which require such person or entity to be authorized and/or licensed to do business with this State. Notwithstanding the fact that applicable statutes may exempt or exclude the successful bidder from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed bid, the bidder agrees to subject himself to the jurisdiction and process of the courts of the State of South Carolina as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.

8. ASSIGNMENT: No contract or its provisions may be assigned, sublet, or transferred without the written consent/Acknowledgement of the Procurement Manager.

9. AFFIRMATIVE ACTION: The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap.
10. **BIDDING CONDITION OF PRICE:** All bid prices submitted shall remain effective for a minimum period of 90 days, or until evaluation of bids is complete and award is made unless mutual consent of parties is established to extend due to unforeseen circumstances. Thereafter, the contract prices shall remain effective for the term of the contract.

11. **8% S.C. SALES TAX:** The District shall add 8% sales tax to all orders; however lump sum bids shall include sales tax in bid price unless otherwise noted. **By submission of a signed proposal, you are certifying, under penalties of perjury that you comply with the SC Code of Laws 1976, as amended, relating to payment of any applicable taxes. This will certify to the District your compliance.**

Forms to register for all taxes administered by the South Carolina Department of Revenue may be obtained by calling the License and Registration Section at (803) 898-5872 or by writing to the South Carolina Department of Revenue, Registration Unit, Columbia, South Carolina 29214-0140.

12. **PAYMENT TERMS:** Payment will be made within thirty (30) days after acceptance of completed order/project. Early payment discount, if available, will be calculated from date of acceptance. Application for payment shall reflect services completed through the last day of the month. **There will be no exceptions to these payment terms unless approval is obtained in writing from the Procurement Manager prior to bid opening date.**

13. **BID REQUIREMENTS:** Bid requirements on the equipment/goods/services specified are not intended to be restrictive to potential bidders but indicate the required features for satisfactory performance. The District will determine if minor deviations from these features are acceptable.

14. **DEVIATIONS FROM SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible, therefore. Deviations must be explained in detail on separate attached sheet(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Deviations found in the evaluation of the bid and not listed may be cause for rejection. Bidders offering substitute or equal items must provide information sufficient enough to determine acceptability of item offered.

15. **CONTRACT:** This bid, contract and submitted documents, when properly accepted by the District along with a written purchase order, shall constitute a contract equally binding between the successful offeror, and the District. No different or additional terms will become a part of this contract with the exception of a Change Order.

16. **CHANGE ORDERS:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing by the Procurement Manager.

17. **AMENDMENTS:** All amendments to and interpretations of this solicitation shall be in writing and issued by the Procurement Manager. The District shall not be legally bound by any Amendment or interpretation that is not in writing.

18. **BID EVALUATION:** Bids received will be evaluated by the Procurement Manager. However, based on bid total, final decision for bid award may rest with the Richland-Lexington Riverbanks Park Commission. Factors to be considered during the evaluation process include, but are not limited to:

18.1 - Cost.
18.2 - Reputation and dependability of the contractor
18.3 – Past performance
19. **ARBITRATION:** Under no circumstances and with no exception will the District act as arbitrator between the Contractor.

20. **SHIPPING:** All deliveries shall be shipped F.O.B. point Destination-freight prepaid; the seller pays and bears all freight charges; collect shipments will not be accepted. It is agreed by the parties hereto that delivery by the contractor to the common carrier does not constitute delivery to the District. Any claim for loss or damage shall be between the contractor and the carrier.

21. **"OR APPROVED EQUAL":** Certain processes, types of equipment or kinds of material are described in the specifications and/or on the drawings by means of trade/brand names and catalog numbers. In each instance where this occurs, it is understood and inferred that such description is followed by the words "or approved equal". Such method of description is intended merely as a means of establishing a standard of comparability. However, the Owner reserves the right to select the items, which, in the judgment of the Owner, are best suited to the needs of the Owner, based on price, quality, service, availability, standardization and other relative factors. Bidders should indicate brand name, model, model number, size, type, weight, color, etc., of the item bid, if not exactly the same as the item specified. Vendor's stock number or catalog number is not sufficient to meet this requirement. If any bidder desires to furnish an item different from the specifications, vendor should submit along with the bid, the information, data, pictures, designs, cuts, etc., of the material they plan to furnish to enable the Owner to compare the material specified; and such material shall be given due consideration. The Owner reserves the right to insist upon and receive items as specified if the submitted items do not meet the Owner's standards for acceptance.

22. **ALTERNATE BIDS:** Bidders wishing to submit an alternate for consideration that does not meet the District’s specifications (or approved deviations), must submit their proposal as an alternate bid. **This must be properly marked on both the sealed envelope and the Bidder’s Schedule and submitted separately from any other bid. Failure to comply shall be grounds for being deemed non-responsive.**

23. **DRUG-FREE WORKPLACE:** By submittal of this bid, you are certifying that you will comply with Title 44, Code of Laws of South Carolina, 1976, Section 44-107-30.

24. **ILLEGAL IMMIGRATION & PUBLIC CONTRACTS:** In accordance with the South Carolina Illegal Immigration Reform Act, 2008, Act No. 280. Section 3 of this Act added to Chapter 14 of Title 8 of the South Carolina Code of Laws prohibits covered persons from entering into covered contracts unless the contractor agrees either (a) to verify all new employees through the federal work authorization program [and requires the same from subcontractors and sub-subcontractors] or (b) to employ only qualifying workers. Effectively, the Act also requires contractors to agree to provide any documentation required to establish either (a) that the Act does or does not apply to the contractor, subcontractor, or sub-subcontractor; or (b) that the contractor, and any subcontractor or sub-subcontractor, are in compliance with Section 3 of the Act.”

25. **NO CONTACT POLICY:** After the date and time established for receipt of proposals by the District, any contact initiated by any offeror with any District representative, other than the Purchasing Department representative listed herein, concerning this solicitation is prohibited. Any such unauthorized contact may cause the disqualification of the offeror from this procurement transaction.

26. **TERMINATION:** Subject to the provisions below, the contract may be terminated for any reason by the District providing a 30-day advance notice in writing is given to the contractor.

26.1 **Termination for Cause:** Termination by the District for cause, default or negligence on the part of the contractor shall be excluded from the foregoing provisions, termination costs, if any, shall not apply. The thirty (30) days advance written notice requirement is waived and the default provision in this bid shall apply; see General Conditions.
26.2 Termination for Convenience: The District, by written notice, may terminate this contract in whole or in part, when it is in the best interest of the District.

26.3 Termination requirement does not apply if contract is to terminate at the end of an established contract term.

26.4 Termination for Non appropriations: If the District fails to appropriate or authorize the expenditure of sufficient funds to provide the continuation of this contract, or if a lawful order issued in or for any fiscal year during the term of the contract reduces the funds appropriated or authorized in such amount as to preclude making the payments set out therein, the contract shall terminate on the date said funds are no longer available without any termination charges or other liability incurring to the District. Any termination for non-appropriations shall not prohibit the District from obtaining services from another source or in another manner, which is in the best interest of the District.

SCOPE OF WORK

INTENT:
Riverbanks Zoo and Garden is seeking a contractor to demolish and build a new hay barn attached to the existing Giraffe Barn on the existing footprint and will be conducted in two (2) phases.

Phase One- To accomplish this, a doorway must be closed with Concrete Masonry Unit (CMU), a heavy-duty metal door installed on the upper landing level and a new set of stairs and landings leading to the giraffe upper level must first be built so that Giraffe operations continue without interruption. See Exhibit A for Drawings and Speciation’s.

Phase Two- Once the stairs and landings are complete, the demo phase for the existing barn can begin. The current mostly wooden barn will be replaced with a concrete and CMU barn with metal roof. During demo and construction, the utilities supplying the Giraffe barn and surrounding area must be protected and remain active. Some water lines will need to be moved and reinstalled same day to support the giraffe operation. See Exhibit B for Drawings and Speciation’s.

REQUIREMENTS:
- Work hours are Monday through Friday 7am till 5pm with some exceptions permissible. Work which requires being in the Giraffe barn will be more restricted if Giraffes cannot be on exhibit and must remain in the barn. Those hours are Monday through Friday 8:30am till 4:30pm to allow for giraffe routine to be consistent.

- Demo methods should be planned so that loud and sudden noises are prevented. Any equipment that generates loud noise through its operation must be preapproved. If the noise is from an issue with the machine it will need to be replaced or repaired.

- Material availability should be verified to prevent delays during construction as cooler weather could impact the work schedule.

- Contractor must have a single point of contact on site at all times work is being performed.

- Bidders shall refrain from direct or indirect communications promoting their qualifications for this Project to the District or any member of the Lexington-Richland Riverbanks Park Commission, other than through the formal submittal process established by this Invitation for Bid (IFB). Failure to comply with submittal requirements may cause the submittal to be removed from further consideration.
• Contractor to submit documents and secure permit for entire project.

• The selected contractor must hold the required license(s) for demolition and construction of the hay barn.

• Contractor must be bondable, a certified contractor and have personnel on site who hold the necessary OSHA required certifications to safely perform the work.

• Must have an Experience Modifier Rate (EMR) of less than one (1).

• The contractor should submit as a part of the bid package the safety program to be used on this site to ensure workplace safety.

• Contractor’s site superintendent shall coordinate all activities with Zoo Project Manager.

• All deliveries must be made before 7:00 AM or after 7:00 PM est.

• Riverbanks Zoo and Garden is a smoke free facility.

CONSIDERATIONS:
• The area around the hay barn is open to Riverbanks employees so deliveries, work practices, application processes and behavior of staff will be closely monitored by the Project Manager to ensure the quality of the staff environment.

• Jobsite is in a non-public area with direct access to the back service road. Work vehicles carrying tools and supplies will be allowed to park at site. Active workers only will be allowed inside perimeter fence, no family or pets are allowed within the perimeter fence.

OBLIGATION:
• Riverbanks Zoo and Garden makes no guarantees as to the correctness of the information and materials identified in this specification. It shall be the contractor’s responsibility to ascertain the full extent of this job.

REGULATIONS AND STANDARDS:
• The work shall comply with all laws, ordinances and regulations of all legally constituted authorities having jurisdiction over any part of this work, County and State level. These requirements supplement the specifications and shall take precedence in case of conflict.

• All work shall be performed and completed in a thoroughly workmanlike and professional manner in accordance with best modern practices, regardless of any omissions from the attached specifications and/or drawings. All material and equipment shall be new and shall comply with the applicable standard in every case where such a standard has been established for the particular type of material in question.

• Safety Department to review fall protection plans specific to this project as requested. The Zoo Project Manager to final approve all aspects of the project including changes and payments.

• The Bidder shall supply for review, all SCOSHA written programs as applicable to include, but not limited to, the following OSHA standards; Walking-Working Surfaces (Fall Protection), Control of Hazardous Energy (Lockout/Tagout), Personal Protective Equipment and Permit-required Confined Spaces.
SITE CLEAN UP:
- The contractor shall keep the job site clean and free from an accumulation of debris or materials during the project. At the completion of the work, the entire facility and premises shall be left clean.
- The contractor shall remove from the premises all accumulations of trash and other materials, which are not to be used in the project, daily.

CONTRACTOR’S CARE:
- Contractor shall exercise due care in protecting all trees, property, and surrounding property. Contractor will be responsible for any damage and will be required to restore any damage. If the Contractor fails or refuses to repair any damage promptly, the Project Manager may have the necessary work performed and charge the cost thereof to the contractor.

FINAL INSPECTION:
- At the completion of the contract work, a representative of Riverbanks Zoo and Garden shall accompany the contractor on an inspection of the work. All defects found in the work will be corrected before final payment will be authorized.

BIDS MUST INCLUDE
- Solicitation name and number clearly marked on the outside of the envelope
- One hard copy and one digital (i.e. thumb drive)
- A schedule showing phases and duration
- A written introduction summarizing your company’s background, resources and relevant experience.
- Three examples of past or current projects of similar size and scope, and the timelines under which they were completed
- Three references from past projects
- MBE/DBE/WBE Cultivation Plan- The owner is committed to cultivating MBE/DBE/WBE involvement in all aspects of owner’s operations. Explain how your firm will cultivate MBE/DBE/WBE participation in the Greenhouse.
- A single point of contact – name, title, phone and email address must be included.

HOURS OF OPERATION:
Riverbanks Zoo and Garden is open Monday through Sunday from 9:00 am to 5:00 pm and closed on Thanksgiving and Christmas Days.

DISPOSAL OF WASTE:
- The Contractor will ensure proper handling and disposal of materials removed from the containers to prevent discharges of pollutants to surface waters or groundwater.

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENT:
- Contractor shall comply with current and future requirements of the City of Columbia, City of West Columbia and State of South Carolina’s NPDES permits (if any) as it may be amended from time to time.
**Procurement Services**  
400 Rivermont Drive, Columbia, SC 29210  
Phone: 803-602-0831    Fax: 803-771-8722

---

**BIDDERS SCHEDULE**

<table>
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<tr>
<th>BID NUMBER: B2022-06-12</th>
<th>DATE: 06/24/2022</th>
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**OPENING DATE AND TIME:** August 8, 2022, 10:00 AM (EST)

**OPENING LOCATION:** Riverbanks Zoo & Garden  
Procurement Services  
400 Rivermont Drive  
Columbia, SC 29210

**PROCUREMENT:** Under a fixed price contract provide all materials, equipment, and labor for the demolition and construction of a new hay barn in accordance with the specifications, conditions, and provisions as applicable to this solicitation. All prices are to include all applicable transportation, recycle and disposal costs. **Submit one (1) hard copy and one (1) digital copy.**

**Delivery Requirements:** All deliveries shall be shipped F.O.B. point Destination-freight prepaid; the seller pays and bears all freight charges; collect shipments will not be accepted. It is agreed by the parties hereto that delivery by the contractor to the common carrier does not constitute delivery to the District. Any claim for loss or damage shall be between the contractor and the carrier.

<table>
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<tr>
<th>ITEM NUMBER</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
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<tr>
<td>#1:</td>
<td>EA</td>
<td>Demolition and Construction of Hay Barn</td>
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**Total Price Written:**

<table>
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<tr>
<th>AUTHORIZED SIGNATURE:</th>
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</table>
The attached Certificate of Familiarity must be returned with bid.

SOLICITATION NUMBER: B2022-06-12 DATE: June 24, 2022

CERTIFICATE OF FAMILIARITY

The undersigned, having fully familiarized himself with the information contained within this entire solicitation and applicable amendments, submits the attached bid and other applicable information to the District, which I verify to be true and correct to the best of my knowledge. I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same materials, supplies or equipment, and is in all respects, fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid. I further certify that this bid is good for a period of ninety (90) days, unless otherwise stated.

___________________________________  ___________________________________
Company Name as registered    Authorized Signature
with the IRS

___________________________________  ___________________________________
Correspondence Address    Printed Name

___________________________________  ___________________________________
City, State, Zip     Title

___________________________________  ___________________________________
Date       Telephone Number   Fax Number

___________________________________  ___________________________________
Remittance Address    E-mail Address (PLEASE PRINT)

___________________________________
City, State, Zip

___________________________________
Telephone Number   Toll-Free Number if available

___________________________________
Federal Tax ID Number   SC Sales and Use Tax Number

INTENTIONALLY LEFT BLANK
Richland-Lexington Riverbanks Park District

B2022-06-12
Hay Barn

LIST OF REFERENCES

*Please list four (4) references that your company has recently or currently provided similar products and/or services for.*

<table>
<thead>
<tr>
<th>Company Name</th>
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COMPANY: __________________________________________________________

AUTHORIZED SIGNATURE: ____________________________________________
Notes:
1. Demo sliding door, frame and track, dispose of off site
2. Enclose opening with 8 inch block.
3. Establish new door opening, coordinate height with catwalk height inside barn.
4. New door to be HD Metal with lockset for a schlage E key way
5. Door and walls to be primed and painted to match existing building color
6. Existing concrete and asphalt to be cut and removed for installation of foundations for supports and stairs

1/4 inch equals 1 foot
All measurements to be field verified
STAIR PLANS

STAIR SECTIONS

STAIR DETAILS

CATWALK

GENERAL NOTES:

1. FIELD Erect all Stainless Steel and Carbon Steel Stair Construction.

2. MATERIALS:
   - STAINLESS STEEL: Stainless Steel 304, ASTM A240
   - CARBON STEEL: Carbon Steel A36, ASTM A36

3. PARTS AS SHOWN ON SHEET (MEASURED): All parts (measured) as shown on sheet.

4. DRAWN TO SCALE:
   - DRAWN TO SCALE.
   - DRAWN TO SCALE.
   - DRAWN TO SCALE.

5. WELDED CONNECTIONS:
   - WELDED CONNECTIONS.
   - WELDED CONNECTIONS.
   - WELDED CONNECTIONS.

6. GENERAL CONDITIONS:
   - GENERAL CONDITIONS.
   - GENERAL CONDITIONS.
   - GENERAL CONDITIONS.

7. OUTLINE OF SHEET:
   - OUTLINE OF SHEET.
   - OUTLINE OF SHEET.
   - OUTLINE OF SHEET.

8. DRAWN TO SCALE:
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9. SCALE:
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10. DRAWING TITLE:
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11. DRAWN BY:
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12. DATE:
    - DATE.
    - DATE.
    - DATE.

13. ISSUE DATE:
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    - ISSUE DATE.
    - ISSUE DATE.

14. SHEET NUMBER:
    - SHEET NUMBER.
    - SHEET NUMBER.
    - SHEET NUMBER.

15. STAIR PLANS
    - STAIR PLANS.
    - STAIR PLANS.
    - STAIR PLANS.

16. STAIR SECTIONS
    - STAIR SECTIONS.
    - STAIR SECTIONS.
    - STAIR SECTIONS.

17. STAIR DETAILS
    - STAIR DETAILS.
    - STAIR DETAILS.
    - STAIR DETAILS.

18. CATWALK
    - CATWALK.
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    - CATWALK.

19. DRAWN TO SCALE:
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23. DATE:
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24. ISSUE DATE:
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    - ISSUE DATE.
    - ISSUE DATE.

25. SHEET NUMBER:
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    - SHEET NUMBER.
    - SHEET NUMBER.

26. STAIR PLANS
    - STAIR PLANS.
    - STAIR PLANS.
    - STAIR PLANS.

27. STAIR SECTIONS
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    - STAIR SECTIONS.
    - STAIR SECTIONS.

28. STAIR DETAILS
    - STAIR DETAILS.
    - STAIR DETAILS.
    - STAIR DETAILS.

29. CATWALK
    - CATWALK.
    - CATWALK.
    - CATWALK.

30. DRAWN TO SCALE:
    - DRAWN TO SCALE.
    - DRAWN TO SCALE.
    - DRAWN TO SCALE.

31. SCALE:
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32. DRAWING TITLE:
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33. DRAWN BY:
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34. DATE:
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    - DATE.
    - DATE.

35. ISSUE DATE:
    - ISSUE DATE.
    - ISSUE DATE.
    - ISSUE DATE.

36. SHEET NUMBER:
    - SHEET NUMBER.
    - SHEET NUMBER.
    - SHEET NUMBER.
EXHIBIT A

RIVERBANKS ZOO

500 WILDLIFE PARKWAY
COLUMBIA, SC

DRAWING INDEX

CO COVER SHEET

ARCHITECTURAL
A1 EXISTING FLOOR PLANS
A2 NEW FLOOR PLANS
A3 ELEVATIONS
A4 DEMOLITION AND ROOF PLAN
A5 DETAILS
A6 SPECIFICATIONS
A7 SPECIFICATIONS
A8 SPECIFICATIONS
A9 SPECIFICATIONS

STRUCTURAL
S1.0 FOUNDATION PLAN
S1.1 FRAMING PLAN
S2.0 FOUNDATION SECTIONS
S2.1 SECTION CONTINUED
S2.2 TYPICAL DETAILS
S3.0 NOTES
S3.1 SPECIAL INSPECTIONS

PLUMBING
P1 PLUMBING DEMOLITION FLOOR PLAN
P2 PLUMBING FLOOR PLAN
P3 PLUMBING SCHEDULES AND DETAILS
P4 PLUMBING SPECIFICATIONS

ELECTRICAL
E1 LEGEND
E2 LIGHTING PLAN
E3 POWER PLAN
E4 SCHEDULES AND DETAILS
EXISTING BARN

EXISTING BUILDING

EXISTING HWH

verify location of door opening
verify location of new building to incorporate this door
into the interior of new building

platform

ladder

stair

platform

platform

SECOND FLOOR PLAN - EXISTING

SCALE: 1/4" = 1'-0"
**FIRST FLOOR PLAN - NEW**

**EXISTING BUILDING**

**EXISTING HWH**

**REINSTALL**

**CMU**

**GENERAL NOTES:**

1. **ALL NEW WORK SHALL CONFORM TO 2018 IBC BUILDING CODE REQUIREMENTS.** INCLUDING ALL SLAB FOUNDATIONS, BEAMS, WALLS, DOORS ETC.

2. **CONTRACTOR SHALL VERIFY WORK SCHEDULE WITH CLIENT A MINIMUM OF 24 HOURS WORK BEGINS. STANDARD WORK HOURS ARE M-F 8AM TO 4PM. ANY ADDITIONAL NON STANDARD WORK HOURS MUST BE REQUESTED AND APPROVED BY OWNER. COORDINATE ACCESS/DIVERIES AND EQUIPMENT LAYDOWN AREAS WITH OWNER.**

3. **CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ANY WORK BEGINS.**

4. **CONTRACTOR SHALL INSTALL ALL ITEMS PER MFG. INSTRUCTIONS.**

5. **CONTRACTOR SHALL VERIFY ALL EXISTING WATER/SEWER/ELECTRICAL AND UNDERGROUND UTILITY LOCATIONS BEFORE STARTING ANY DEMOLITION ON NEW WORK.**

6. **CONTRACTOR SHALL REROUTE THE EXISTING WATER AND SEWER LINE SO IT IS OPERABLE TO PROVIDE WATER AND SEWER TO EXISTING BUILDING HOT WATER HEATER THAT WILL BE MOVED TO A TEMPORARY LOCATION DURING CONSTRUCTION. CONTRACTOR SHALL MOVE WATER HEATER TO NEW LOCATION INSIDE BUILDING AND RECONNECT AFTER NEW BUILDING IS COMPLETED.**
EXISTING ROOF

ROOF PLAN
SCALE: 1/4"=1'-0"

METAL ROOF SLOPE 1/12
GUTTER
EXHAUST FANS
SLOPE 1/12
SLOPE 1/12
SLOPE 1/12
SLOPE 1/12

contractor to verify this dimension before construction

EXISTING BUILDING
EXISTING BARN

EXISTING PLATFORM AND LADDER
DEMO
EXISTING PLATFORM
DEMO
EXISTING DOOR TRACK
DEMO
EXISTING Door
TO REMAIN
SECOND FLOOR
EXISTING DOOR
TO REMAIN
SECOND FLOOR
EXISTING FENCING TO DEMOLISH
EXISTING FENCING TO REMAIN
EXISTING PLATFORM
TO REMAIN
EXISTING PLATFORM
TO REMAIN

GENERAL NOTES:
1. DEMOLISH ALL EXISTING BARN STRUCTURE
INCLUDING ALL SLAB FOUNDATIONS, BEAMS, WALLS, DOORS ETC.
INCLUDING ALL ELECTRICAL, MECHANICAL, AND PLUMBING LINES
2. SAVE EXISTING WATER HEATER AND REINSTALL IN NEW BUILDING
RECONNECT TEMPORARILY DURING CONSTRUCTION. (COORDINATE LOCATION
TEMPORARY LOCATION WITH OWNER) MUST WORK DURING CONSTRUCTION.
REMOVE TO NEW LOCATION SHOWN ON NEW PLANS UNDER STAIRS.
RECONNECT EXISTING WATER HEATER
3. PROVIDE TEMPORARY WATER LINES TO EXISTING BUILDING
UNTIL NEW BUILDING PLUMBING IS INSTALLED. (MUST WORK DURING
CONSTRUCTION)
4. PROVIDE/Maintain EXISTING BUILDING FIRE PROTECTION SYSTEM UNTIL
NEW BUILDING FIRE PROTECTION SYSTEM IS INSTALLED IN BUILDING
CONTRACTOR SHALL CONTRACT WITH EXISTING FIRE PROTECTION COMPANY
FOR NEW UPGRADED SYSTEM AS REQUIRED PER CODE
5. UTILIZE EXISTING FIRE ALARM EQUIPMENT TO PROVIDE COVERAGE OF NEW BUILDING
PROVIDE ADDITIONAL EQUIPMENT EXTENDING SYSTEM AS REQUIRED BY CODE
6. REMOVE SECOND FLOOR PLATFORMS ON EACH SIDE OF BARN
7. REMOVE LADDER, PLATFORM, RAILS, COLUMN AND ALL ATTACHMENTS
8. MAINTAIN POWER TO EXISTING BUILDING DURING AND AFTER CONSTRUCTION
9. REMOVE EXISTING FENCING AS REQUIRED FOR NEW CONSTRUCTION. TURN OVER TO OWNER.
10. CONTRACTOR SHALL PROVIDE CONSTRUCTION SAFETY FENCING AROUND CONSTRUCTION AREA.
11. CONTRACTOR SHALL VERIFY ALL DIMENSIONS INCLUDING FLOOR TO FLOOR HEIGHTS, OPENING CLEARANCES,
LOCATIONS OF EXISTING BUILDING OPENINGS OR OBSTRUCTIONS, WATER LINES/FIRE ALARM EQUIPMENT, ETC.
BEFORE ANY CONSTRUCTION BEGINS
12. CONTRACTOR SHALL WORK BETWEEN 9AM AND 4PM DURING REGULAR BUSINESS DAYS.
ANY OTHER DAY OR TIME PERIODS SHALL BE REQUESTED 72 HOURS IN ADVANCE AND APPROVED BY OWNER.

DEMO

DEMO

DEMO

RELOCATE WATER CONNECTION
TO EXISTING BUILDING

REPLACE EXISTING DOOR
SECOND FLOOR

CONTRACTOR TO VERIFY THIS DIMENSION BEFORE CONSTRUCTION

1/4"=1'-0"
Door Elevations

- PROVIDE ADA/LEVER SET FOR ALL INTERIOR DOORS
- PROVIDE ADA/LEVER SET FOR DOOR CLOSER IF REQUIRED BY CODE
- PROVIDE PUSH BAR PANIC EXIT DEVICE WITH EXTERIOR LEVER SET

- EXTERIOR HM DOOR
- PROVIDE AT SECOND FLOOR SWING IN TYPE GATES ROLL-UP DOORS - EACH SIDE

- VENT LOUVER WITH LOCK IN PLACE CAPABILITY
- ARCHITECTURAL LOUVER 35 DEGREE DRAINABLE "D" BLADE - EXTRUDED STATIONARY LOUVER - OR EQUAL

- AUTOMATIC STEEL ROLL-UP DOORS
- 4 EXISTING BUILDING

Warning! The present drawing is for informational-demonstrative purposes only and as such cannot constitute a basis for performance. All dimensions presented in this drawing should be verified on site.
RDS DESIGN, LLC
821 KINLOCK CT.
COLUMBIA, SOUTH CAROLINA 29223

ARCHITECTURE

DESIGN

No. 9

ARCHITECTURE

RDS DESIGN, LLC
821 KINLOCK CT.
COLUMBIA, SOUTH CAROLINA 29223
803.447.4817
Simkins8@aol.com
COLUMBIA, SOUTH CAROLINA 29223

ARCHITECTURE
RDS DESIGN, LLC
821 KINLOCK CT.

No

5. Wind load design:
- Standard dead load for 20 PSF.
- Operational: Design door assembly, including operator, to operate for not less than 20,000 cycles.
- Locking:
  - Close timer locks for child proof operator.
  - Interior dead bolt for electric operator and panic/panic switch.
  - Cylinder lock with electric operator with internal switch.
- Wall Height Condition:
  - Floor of wall meets code.

PART 1: GENERAL

1.1 EXCERPT:
- VISTA FLOORING
- SIMKINS

1.2 DESCRIPTION:
- Color fastness: Provide durable, tracks, motions, and accessories for the manufacturer for each type of finish. Provide secondary components from sources acceptable to manufacturer of primary components.
- Products requiring electrical connection: List and identify by Underwriters Laboratory, where available, underwriters laboratory or suitable for permanent installation.

1.3 REFERENCES:
- HMA-25 - Enclosures for Electrical Equipment (200 kVA Maximum).
- NFPA 710 - Means of egress.

1.4 DESIGN / PERFORMANCE REQUIREMENTS:
- Authorized to work:
  - No special qualifications.
  - No special tools.

1.5 SUBMITTALS:
- Submit Underwriters Laboratories (UL) listings.

1.6 PRODUCT DATA:
- Manufacturer's data sheets on each product to be used, including:
  - Proper instructions and recommendations.
  - Storage and handling requirements and recommendations.
  - Details of construction and fabrication.
  - Installation instructions.
  - Drop drawings: details, elevations, details of hoisting members, turning equipment, reinforced members, doors, and panels, including
  - Special panels: for each product finish specified, two complete sets of color chips representing manufacturers' full range of available colors and patterns.
  - Manufacturer's Certificate: Certify products meet or exceed specified requirements.
  - Operation and Maintenance Data: Submit fabrication measurements and frequencies to meet project requirements.

1.7 QUALITY ASSURANCE:
- Manufacturer Qualifications: Company specializing in performing work of this section with a minimum of five years experience in the fabrication and installation of sliding doors.
- Installer Qualifications: Installer Qualifications: Company specializing in performing work of this section within eighteen (18) months prior to project.

1.8 MATERIALS:
- Acceptable Manufacturers: Overhead Door Corporation, 2511, State Hwy. 121, Bldg. 196, Lebanon, TN 37087-4102, Tel: Toll Free (800) 277-5590, Phone (615) 549-7000. Fax: 972-061-5469. Web Site: www.overheaddoor.com, 4 mail: info@overheaddoor.com, 8 email:

2.0 MATERIALS:

2.1 PREPARATION:
- Clean surface thoroughly prior to installation.
- Prepare surfaces using the method recommended by the manufacturer for achieving the best finish for the substrates under the project conditions.

3.0 INSTALLATION:
- Insul in accordance with manufacturer's instructions.
- Use anyaluminum doors to securely fasten assembly to wall construction and building framing without direct or concealed fasteners.
- Security and traffic flow components specified shall be fastened securely.
- Pins and 7/8 inch rated lockset shall be not less than 20,000 cycles.
- Operate: Design door assembly, including operator, to operate for not less than 20,000 cycles.
- Locking:
  - Close timer locks for child proof operator.
  - Interior dead bolt for electric operator and panic/panic switch.
  - Cylinder lock with electric operator with internal switch.
- Wall Height Condition:
  - Floor of wall meets code.

4.0 FINISHING:
- VISTA FLOORING
- SIMKINS

5.0 QUALITY ASSURANCE:
- Manufacturer Qualifications: Company specializing in performing work of this section with a minimum of five years experience in the fabrication and installation of sliding doors.
- Installer Qualifications: Installer Qualifications: Company specializing in performing work of this section within eighteen (18) months prior to project.

6.0 MATERIALS:
- Acceptable Manufacturers: Overhead Door Corporation, 2511, State Hwy. 121, Bldg. 196, Lebanon, TN 37087-4102, Tel: Toll Free (800) 277-5590, Phone (615) 549-7000. Fax: 972-061-5469. Web Site: www.overheaddoor.com, 4 mail: info@overheaddoor.com, 8 email:

7.0 INSTALLATION:
- Stormdoor System: Roll Doors: Overhead Door Corporation Model 025

8.0 QUALITY ASSURANCE:
- Manufacturer Qualifications: Company specializing in performing work of this section with a minimum of five years experience in the fabrication and installation of sliding doors.
- Installer Qualifications: Installer Qualifications: Company specializing in performing work of this section within eighteen (18) months prior to project.
STRUCTURAL DESIGN CRITERIA:

1. APPLICABLE BUILDING CODES:
   - 2018 INTERNATIONAL BUILDING CODE
   - ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
   - ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
   - BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES

2. RISK FACTOR: II

3. LIVE LOADS:
   - LIGHT STORAGE: 125 PSF
   - ROOF:
     - ORDINARY, PITCHED AND CURVED ROOFS: 20 PSF
     -awnings:
       - FABRIC WITH SKELETON STRUCTURE: 5 PSF
       - ALL OTHER AWNINGS: 20 PSF

4. BASIC LATERAL SYSTEM:
   - BEARING WALL SYSTEM, ORDINARY REINFORCED MASONRY SHEAR WALLS, R=2

5. DEAD LOADS:
   - USE ACTUAL LOADS OF ALL BUILDING MATERIALS

6. WIND LOADS:
   - BASIC DESIGN WIND VELOCITY: \( V = 130 \) MPH (\( V_{asd} = 101 \) MPH)
   - WIND IMPORTANCE FACTOR \( I_w \): 1.0
   - WIND EXPOSURE CATEGORY: B
   - INTERNAL PRESSURE COEFFICIENTS:
     - ENCLOSED BUILDING: \( \pm 18\% \)
     - PARTIALLY ENCLOSED: \( \pm 55\% \)
     - OPEN BUILDING: \( \pm 0\% \)

7. SNOW LOADS:
   - GROUND SNOW LOAD (PSF): \( P_g = 10 \) PSF

8. SEISMIC LOADS:
   - SOIL SITE CLASS: D
   - IMPORTANCE FACTOR \( I_e \): 1.0 [FOR RISK II]
   - SPECTRAL RESPONSE ACCELERATIONS:
     - \( S_s = 0.43 \)
     - \( S_1 = 0.15 \)
   - SPECTRAL RESPONSE COEFFICIENTS:
     - \( S_{ds} = 0.42 \)
     - \( S_{d1} = 0.22 \)
   - SEISMIC BUILDING DESIGN CATEGORY: D
   - RESPONSE MODIFICATION FACTOR: \( R = 2 \)
   - SEISMIC RESPONSE COEFFICIENT: \( C_s = 0.21 \)
   - DESIGN BASE SHEAR: \( V = 42 \) KIPS
   - SEISMIC ANALYSIS: EQUIVALENT FORCE PROCEDURE
SLABS, WALLS, JOISTS:

1. STRUCTURAL/GENERAL NOTES:
   - IS PLACED.
   - SLABS ON GRADE                3000 PSI
   - FILL FOR STAIR TREAD PANS     4000 PSI

2. FLOOR AREAS, FLOOR DRAINS, FLOOR TOPPINGS, CMU COURSING AND ANY OTHER DETAILS NOT INDICATED IN THE
   GEOTECHNICAL:
   - THESE STRUCTURAL DRAWINGS ARE BASED ON THE LATEST INFORMATION/ARCHITECTURAL DRAWINGS PRIOR TO THE
     CONSTRUCTION DOCUMENTS SHALL BE DESIGNED BY A REGISTERED ENGINEER, REGISTERED IN THE PROJECT STATE,
     OR HOT WEATHER. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS PRESCRIBED BY THE AMERICAN CONCRETE
     INSTITUTE (ACI) OR OTHER APPROPRIATE CODES.
   - RESTRICTIONS OF LIVE LOAD AND/OR STACKING LIMITATIONS.
   - ADEQUATE SOIL SUPPORT FOR FOUNDATION AND SLABS-ON-GRADE. A COPY OF ALL TEST REPORTS SHALL REMAIN ON
     FILE AT THE SITE.
   - A GEOTECHNICAL ENGINEER AND/OR TESTING LABORATORY SHALL BE RETAINED FOR THE PURPOSES OF ASSURING
     COMPLIANCE WITH THE SOIL SUPPORT REQUIREMENTS.
   - ET. THE CONTRACTOR SHALL REMOVE AND/OR MODIFY EXISTING SOILS AS DIRECTED BY A GEOTECHNICAL
     ENGINEER. ANY NONCONFORMING CYLINDER BREAKS (INCLUDING 7 AND 14 DAY BREAKS) SHALL BE FLAGGED AND
     REPORTED TO THE CONTRACTOR.
   - CONCRETE ADMIXTURES, SEALERS, CURING COMPOUNDS, ETC. AS NEEDED PER FIELD CONDITIONS.

3. CONCRETE:
   - NOTE:
     - ALL HORIZONTAL AND VERTICAL REBAR.
     - FACE BARS
     - WELDED WIRE FABRIC SHALL BE LAPPED A MINIMUM OF 12".
     - PREFORMED BED JOINT REINFORCEMENT SHALL BE USED AT ALL WALL CORNERS AND INTERSECTIONS. ALL GAGE WIRE
       FACE BARS SHALL BE LAPPED A MINIMUM OF 12".
     - IN THE DETAILS.
     - THE CONTRACTOR MAY PLACE ELECTRICAL BOXES IN BOND BEAMS PROVIDED THE REBAR IS CONTINUOUS. THE
       CONTRACTOR MAY ALSO SPACE BOND BEAMS AS NEEDED TO MISS ELECTRICAL BOXES PROVIDED THE BOND BEAM
       SPACING IS MAINTAINED. REINFORCED BOND BEAMS LOCATED AT ROOF AND/OR FLOOR DIAPHRAGMS SHALL
       HAVE A BEARING ON THE CONSTRUCTION COST, MEANS AND METHODS, AND WORKING CONDITIONS FOR THIS PROJECT.
   - AS PART OF MEANS AND METHODS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND ERECTION OF
     THE STRUCTURAL STEEL. SIMPLE MATHEMATICAL EQUATIONS CAN BE USED TO ESTIMATE THE COSTS, MEANS, AND
     METHODS, AND WORKING CONDITIONS OF ANY STRUCTURAL STEEL CONSTRUCTION. AS PART OF THE SHOP DRAWINGS,
     BAR LISTS AND DIAGRAMS, TO THE DESIGN TEAM FOR APPROVAL.
   - STEEL DETAILERS TO VERIFY/DETERMINE JOIST AND BEAM BEARING ELEVATIONS WITH THE ARCHITECTURAL
     SHOP DRAWING PROCESS.
   - FIELD SPLICES SHALL BE DESIGNED AND CONSTRUCTED TO DEVELOP THE FULL CAPACITY OF THE MEMBER IN
     TENSION, COMPRESSION, BENDING, SHEAR AND AXIAL LOADS.

4. ELECTRICAL:
   - A SUFFICIENT NUMBER OF ELECTRICAL BOXES AND OUTLETS SHALL BE PROVIDED IN ALL AREAS TO MEET THE
     REQUIREMENTS OF THE PROJECT.
   - STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.

5. MECHANICAL:
   - GAS, WATER, AND SEWER PIPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.

6. PLUMBING:
   - A SUFFICIENT NUMBER OF PLUMBING FITTINGS AND APPLIANCES SHALL BE PROVIDED IN ALL AREAS TO MEET THE
     REQUIREMENTS OF THE PROJECT.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.

7. MEETING ROOMS:
   - A SUFFICIENT NUMBER OF MEETING ROOMS SHALL BE PROVIDED IN ALL AREAS TO MEET THE REQUIREMENTS OF THE
     PROJECT.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.

8. TANKS AND WATER TOWERS:
   - A SUFFICIENT NUMBER OF TANKS AND WATER TOWERS SHALL BE PROVIDED IN ALL AREAS TO MEET THE
     REQUIREMENTS OF THE PROJECT.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.

9. ELEVATORS:
   - A SUFFICIENT NUMBER OF ELEVATORS SHALL BE PROVIDED IN ALL AREAS TO MEET THE REQUIREMENTS OF THE
     PROJECT.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.
   - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
     OF THE ELECTRICAL CODE.

10. SUBSIDIARY EQUIPMENT:
    - A SUFFICIENT NUMBER OF SUBSIDIARY EQUIPMENT SHALL BE PROVIDED IN ALL AREAS TO MEET THE
        REQUIREMENTS OF THE PROJECT.
    - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
        OF THE ELECTRICAL CODE.
    - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
        OF THE ELECTRICAL CODE.

11. AIR CONDITIONING AND HEATING:
    - A SUFFICIENT NUMBER OF AIR CONDITIONING AND HEATING SYSTEMS SHALL BE PROVIDED IN ALL AREAS TO MEET THE
        REQUIREMENTS OF THE PROJECT.
    - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
        OF THE ELECTRICAL CODE.
    - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
        OF THE ELECTRICAL CODE.

12. SECURITY AND ACCESS:
    - A SUFFICIENT NUMBER OF SECURITY AND ACCESS SYSTEMS SHALL BE PROVIDED IN ALL AREAS TO MEET THE
        REQUIREMENTS OF THE PROJECT.
    - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
        OF THE ELECTRICAL CODE.
    - ALL STEEL, REBAR, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION
        OF THE ELECTRICAL CODE.
## Section 4: Requirements Checklist

### Exterior Lighting Design

- **Lighting Fixtures:**
  - All exterior lighting must comply with the International Lighting Code (ILC).
  - Lighting fixtures must be rated for weather resistance.
  - Light levels should be at least 50 lux at the point of activity.

- **Emergency Lighting:**
  - Exit signs must be clearly visible and marked with the word "EXIT.
  - Emergency lights must illuminate the area for at least 90 minutes.

- **Lighting Access:**
  - All exterior lighting fixtures must be accessible for maintenance.
  - Lighting fixtures must be protected against vandalism.

### Section 5: Compliance Statement

- **Compliance:**
  - The compliance statement is signed by the architect and the electrical engineer.
  - The statement confirms that the lighting design meets all applicable codes and standards.

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**Section 1: Project Information**

- **Owner:** Simkins8@aol.com
- **Contractor:** Columbia, SC
- **Architect:** Columbia, SC
- **Project Name:** Residential Lighting Design
- **Location:** 821 Kinlock Ct., Columbia, SC

**Section 2: Interior Lighting and Power Calculations**

- **Total Allowed Watts:**
  - Plugin: 2.06 kW
  - Total: 2.06 kW

**Section 3: Interior Lighting Schedule**

- **Proposed Lamps:**
  - Type A: Office Lighting
  - Type B: Hallway Lighting
  - Type C: Bathroom Lighting

**Section 4: Exterior Lighting Design**

- **Proposed Lamps:**
  - Type A: Exterior Lighting
  - Type B: Deck Lighting
  - Type C: Outdoor Landscape Lighting

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**Section 5: Compliance Statement**

- **Compliance:**
  - The compliance statement is signed by the architect and the electrical engineer.
  - The statement confirms that the lighting design meets all applicable codes and standards.