ADDENDUM NO. 2

SPECIFICATIONS AND CONTRACT DOCUMENTS

BURKESVILLE WASTEWATER TREATMENT PLANT IMPROVEMENTS
CITY OF BURKESVILLE, KY

GRW PROJECT NO. 4667

July 10, 2020

GENERAL

1. CONSTRUCTION TIME EXTENDED
   A. Note the Construction time has been extended to 395 calendar days for substantial completion and 425 day to final completion with the first 60 days being allotted for submittal review. See below attachments for additional information.

2. SCREENING BUILDING BYPASSING PUMPING
   A. The Contractor shall be responsible for submitting his plan to maintain flow to all areas of treatment facilities.
   B. If the Contractors work requires bypass pumping around the entire screenings building a temporary manual screen should be installed in the lower section of the channel between the Grit Collection Basin and the Oxidation Splitter Box on the back side of the Screening building. See Sheet M-01-102 for reference.
   C. The existing City Hall Pump Station pumps and force main, can be used to supply pumped flow to the Contractor’s bypass piping and additional pumps should not be required at the Screenings Building.

3. DOOR, HARDWARE AND WINDOWS
   A. Note: Contractor shall match existing door hardware, overhead door, and window types and size. Original treatment plan construction specifications and documents have been included for Contractors Reference as Appendix B.

4. EXISTING SCREENING BUILDING
   A. Note: No work other than that which his listed in the documents is required on the exterior of the Screenings Building

5. DEMO AND SALVAGED ITEMS
   A. The Owner’s primary interest in items that are to be demolished/removed is in the pumps. These items would be turned over to the City in the lower floor of the Screenings Building.

SPECIFICATIONS

1. SPECIFICATIONS SECTION 004100 – BID FORM
   A. Replace Specification Section 004100 – BID FORM in its entirety with the attached.
2. **SPECIFICATIONS SECTION 005000 – AGREEMENT**

   A. Replace Specification Section 005000 – AGREEMENT in its entirety with the attached.

3. **SPECIFICATIONS SECTION 005500 – NOTICE TO PROCEED**

   A. Replace Specification Section 005500 – NOTICE TO PROCEED in its entirety with the attached.

4. **SPECIFICATIONS SECTION 099160 – HIGH PERFORMANCE PAINTS AND COATINGS**

      This item is to address any touchups that occur from modifications to the block walls due to changes required by the mechanical upgrades. The project intent is not to repaint the interior of exterior of the block building.

   B. Modify Paragraph 3.11 Painting Schedule Item A.1. Pretreatment Building Item c.-
      Modify the description to read “FRP doors and Frames, Exterior”

   C. Modify Paragraph 3.11 Painting Schedule Item A.1. Pretreatment Building Item d.-
      Modify the description to read “FRP doors and Frames, Interior”

   D. Modify Paragraph 3.11 Painting Schedule Item A.3. Multi-Concentric Channel Oxidation Ditch - Clarification - There is no work to be done at the Oxidation Ditch in this Contract.
      Change the systems for paragraph Items “a. and b.” to read – *Do Not Paint*

5. **SPECIFICATIONS SECTION 464380 – FINAL CLARIFICATION EQUIPMENT**

   A. Modify Paragraph 2.5 Sludge Pickup Pipes, Item A. to read as follows:

   **2.5 SLUDGE PICKUP PIPES**

   A. The existing sludge pickup pipes shall be removed and replaced with new pipe. The pipes shall be reattached to the rake arm by means of a stainless steel U bolt clamp and the pipes shall be supported by the rake arm and run vertically up the cage into the collection box. Each arm shall include two (2) vertical sludge withdrawal pipe made of four inch diameter PVC (Polyvinyl Chloride) pipe designed to provide variable control of the sludge collection draw-off. Pipe outlet shall terminate in the sludge collection box.

6. **SPECIFICATIONS SECTION 467700 – REPLACEMENT OF DRYING BED MEDIA**

   A. Remove the first sentence from paragraph 2.1 A that reads
      “All media shall be furnished by a single supplier” in its entirety.
7. SPECIFICATIONS SECTION 468000 – SUBMERSIBLE SEWAGE PUMPS

A. Replace Paragraph 2.2 Item A – Pump Schedule with the following:

Pump Schedule

<table>
<thead>
<tr>
<th>Pump Station</th>
<th>No. of Pumps</th>
<th>Shutoff Head (ft.)</th>
<th>Operating Point¹ (Flow/TDH)</th>
<th>Max. Motor Speed (rpm)</th>
<th>Motor Each (HP)</th>
<th>Model</th>
<th>Motor Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submersible Return Activated Sludge (RAS)</td>
<td>3</td>
<td>40 feet</td>
<td>1 pump running: 260 gpm @ 25 feet TDH</td>
<td>1760 rpm</td>
<td>5 Hp</td>
<td>ITT Flygt NP-3102, or approved equal</td>
<td>460 V 3 Phase</td>
</tr>
<tr>
<td>Submersible Waste Activated Sludge (WAS)</td>
<td>2</td>
<td>55 feet</td>
<td>1 pump running: 350 gpm @ 35 feet TDH</td>
<td>1800 rpm</td>
<td>5.5 Hp</td>
<td>ITT Flygt NP-3102, or approved equal</td>
<td>460 V 3 Phase</td>
</tr>
<tr>
<td>ROCOR Pump Station</td>
<td>2</td>
<td>40 feet</td>
<td>1 pump running: 220 gpm @ 25 feet TDH</td>
<td>1760 rpm</td>
<td>5 Hp</td>
<td>ITT Flygt NP-3102, or approved equal</td>
<td>460 V 3 Phase</td>
</tr>
</tbody>
</table>

8. SPECIFICATIONS SECTION APPENDIX “B” – ORIGINAL WWTP DOOR SPECIFICATION PACKAGE

A. Add the attached Specification Section APPENDIX B in its entirety.

DRAWINGS

1. DRAWING – SHEET C-00-104

A. Add the following Construction Notes to this drawing regarding the gravel driveway to the PAA basin:

CONSTRUCTION NOTES

1. Remove topsoil and all other unsuitable subgrade materials 1 feet past the edge of the proposed gravel surface for the PAA basin.
2. Place compacted fill/stone as needed to meet the subgrade elevation.
3. Compact subgrade and proof roll the site.
4. In areas of unstable subgrade, remove unstable material and replace with suitable fill material or stone.
5. Place 6-inches of No. 2 Stone base followed by 4-inches of DGA of #57 Stone.
6. Place 2-inches of #57 Stone on the existing gravel driveway from the edge of the existing blacktop of Lower River Street back to the new PAA access driveway.

2. DRAWING – SHEET M-03-301

A. The (2) 4” PVC Sludge draw-off pipe per rake arm shall be removed.
3. DRAWING – SHEET M-03-301
   A. The (2) 4” PVC Sludge draw-off pipe per rake arm shall be replaced with new piping.

4. DRAWING – SHEET M-08-102
   A. The 8” diameter hand wheel operated scum pipe shall be 316 stainless steel manufacture by Amwell or equal.

5. DRAWING – SHEET M-09-101
   B. The 8” diameter hand wheel operated scum pipe shall be 316 stainless steel manufacture by Amwell or equal.

6. DRAWING – SHEET A-01-101
   A. Add the following sentence to the end of Key Note 6. - “Contractor shall provide a paint finish over the (2) new layers of gypsum board ceiling.”

7. DRAWING – SHEET S-09-101
   A. Add the following construction note #5:
      5. The interior baffle walls should be placed after the exterior walls have been cast. The Contractor may substitute an acceptable DBR product for dowels cast into the exterior walls.

8. DRAWING – SHEET E-00-101
   A. All site conduit shall be new unless noted otherwise on the drawings. As-built drawings can be provided to the successful bidding contractor for this project, but the accuracy of the drawings cannot be verified. Exact locations of existing infrastructure must be field verified.

GRW ENGINEERS, INC.

[Signature]
Michael Jacobs, P.E.
Project Manager

ATTACHMENTS:
Specifications Section 004100
Specifications Section 005000
Specifications Section 005500
Appendix “B”
Plan Holder’s List
BID FORM

PROJECT DESCRIPTION
Wastewater Treatment Plant Upgrades and Improvements

PROJECT NUMBER
4667-01

KIA LOAN NUMBER
A20-002
SAI Number
KY 201810151099
CDBG Loan Number
19-012

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:
City of Burkesville
214 Upper River Street
Burkesville, KY 42717

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<table>
<thead>
<tr>
<th>Addendum No.</th>
<th>Addendum, Date</th>
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<tbody>
<tr>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Bidding Documents, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Bidding Documents, especially with respect to Technical Data in such reports and drawings.

E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder’s safety precautions and programs.

F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.

G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.

I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.

J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

A. 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 collusive agreement or rules of any group, association, organization, or corporation;

B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

BASE BID CONTRACT PRICE:

______________________________________________________________  ($__________)  
(Use Words)  (Figures)

Notes: 1. Bids shall include sales tax, where required, and all other applicable taxes and fees.
2. All specific cash allowances are included in the price(s) set forth and have been computed in accordance with Paragraph 11.02 of the General Conditions.

Bonds required under Paragraph 6.01 of the General Conditions will be based on the Contract Price.

ARTICLE 6 – TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete within 395 calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 425 calendar days after the date when the Contract Times commence to run.

A. The first sixty days of the contract time shall be a submittal review period. Onsite mobilization is allowed, however, no construction activities will be allowed during the first 60 days of the contract time. No construction activities are allowed until submittal review has been completed and approved shop drawings are on site. Contractor shall notify Engineer upon mobilization and intended construction activity start dates. (Addendum No. 2 7/10/2020)

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.
ARTICLE 7 – ATTACHMENTS TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:
   A. Required Bid security;
   B. List of Proposed Subcontractors;
   C. List of Project References;
   D. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids;
   E. Required Bidder Qualification Statement with supporting data
   F. Bidder’s DBE Requirements and Forms (Section 004335 and 004335A)
   G. Contractor’s American Iron and Steel Compliance Form (Section 004600)
   H. Contractor’s EEO Certification (Section 004601)
   I. Contractor’s Section 3 Certification (Section 004602)
   J. Contractor’s Certification Concerning Labor (Section 004606)
   K. Certification Regarding Debarment, Suspension and other Responsibility (Section 004608)

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.
ARTICLE 9 – BID SUBMITTAL

BIDDER: [Indicate correct name of bidding entity]

By: [Signature]

[Printed name]
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: [Signature]

[Printed name]

Title:

Submittal Date:

Address for giving notices:

Telephone Number:

Fax Number:

Contact Name and e-mail address:
AGREEMENT
BETWEEN OWNER AND CONTRACTOR
FOR CONSTRUCTION CONTRACT

THIS AGREEMENT is by and between the City of Burkesville, Kentucky ("Owner") and ____________________________ ("Contractor").

Owner and Contractor hereby agree as follows:

ARTICLE 1 – WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

ARTICLE 2 – THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: Burkesville Wastewater Treatment Plan Improvements

ARTICLE 3 – ENGINEER

3.01 The Project has been designed by GRW, Inc.
3.02 The Owner has retained GRW, Inc. ("Engineer") to act as Owner’s representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

ARTICLE 4 – CONTRACT TIMES

4.01 Time of the Essence
A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 Contract Times: Dates
A. The Work will be substantially completed on or before ______, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before ______.

B. The first sixty days of the contract time shall be a submittal review period. Onsite mobilization is allowed, however, no construction activities will be allowed during the first 60 days of the contract time. No construction activities are allowed until submittal review has been completed and approved shop drawings are on site. Contractor shall notify Engineer upon mobilization and intended construction activity start dates. (Addendum No. 2 7/10/2020)
4.03 *Liquidated Damages*

A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with the Contract. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty) Contractor shall pay Owner as stipulated in Section 17.06 of the Supplemental General Conditions for each day that expires after the time (as duly adjusted pursuant to the Contract) specified in Paragraph 4.02.A above for Substantial Completion until the Work is substantially complete.

B. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), until the Work is completed and ready for final payment.

**ARTICLE 5 – CONTRACT PRICE**

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents the amounts that follow, subject to adjustment under the Contract:

A. For all Work other than Unit Price Work, a lump sum of: $_______.

   All specific cash allowances are included in the above price in accordance with Paragraph 13.02 of the General Conditions.

B. For all Unit Price Work, an amount equal to the sum of the extended prices (established for each separately identified item of Unit Price Work by multiplying the unit price times the actual quantity of that item) as listed in the Contractor’s executed Bid Form (Section 004100) included in these Contract Documents.

   The extended prices for Unit Price Work set forth as of the Effective Date of the Contract are based on estimated quantities. As provided in Paragraph 13.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer.

C. Total of Lump Sum Amount and Unit Price Work (subject to final Unit Price adjustment) $_______.

**ARTICLE 6 – PAYMENT PROCEDURES**

6.01 *Submittal and Processing of Payments*

A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.
6.02  Progress Payments; Retainage

A. Owner shall make progress payments on account of the Contract Price on the basis of Contractor’s Applications for Payment on or about the 20th day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.
   a. Ninety (90) percent of Work completed (with the balance being retainage). If the Work has been 50 percent completed as determined by Engineer, and if the character and progress of the Work have been satisfactory to Owner and Engineer, then as long as the character and progress of the Work remain satisfactory to Owner and Engineer, there will be no additional retainage; and
   b. Ninety (90) percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).

B. After Substantial Completion has been achieved, and the initial punchlist items completed, Owner shall pay an amount sufficient to increase total payments to Contractor to one hundred (100) percent of the Work completed, less such amounts set off by Owner pursuant to Paragraph 15.01.E of the General Conditions, and less two hundred (200) percent of Engineer’s estimate of the value of Work to be completed or corrected as shown on the punch list of items to be completed or corrected prior to final payment.

6.03  Final Payment

A. Upon final completion and acceptance of the Work in accordance with Paragraph 15.06 of the General Conditions, Owner shall pay the remainder of the Contract Price as recommended by Engineer as provided in said Paragraph 15.06.

ARTICLE 7 – INTEREST

7.01  All amounts not paid when due shall bear interest at the rate allowed by law at the location of the project.

ARTICLE 8 – CONTRACTOR’S REPRESENTATIONS

8.01  In order to induce Owner to enter into this Contract, Contractor makes the following representations:

A. Contractor has examined and carefully studied the Contract Documents, and any data and reference items identified in the Contract Documents.
B. Contractor has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, 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. Contractor is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Contractor has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Contract Documents, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Contract Documents, especially with respect to Technical Data in such reports and drawings.

E. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; and the Contract Documents with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (3) Contractor’s safety precautions and programs.

F. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.

G. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.

H. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

I. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

J. Contractor’s entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

**ARTICLE 9 – CONTRACT DOCUMENTS**

**9.01 Contents**

A. The Contract Documents consist of the following:
   1. This Agreement (pages 1 to ___, inclusive).
   2. Performance bond (pages ___ to ___, inclusive).
   3. Payment bond (pages ___ to ___, inclusive).
   4. General Conditions (pages ___ to ___, inclusive).
5. Supplementary Conditions (pages ___ to ___, inclusive).


7. Drawings (not attached but incorporated by reference) consisting of ___ sheets with each sheet bearing the following general title: _Burkesville Wastewater Treatment Plant Improvements_.

8. Addenda (numbers ___ to ___, inclusive).

9. Exhibits to this Agreement (enumerated as follows):
   a. Contractor’s Bid (pages ___ to ___, inclusive).

10. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
   a. Notice to Proceed.
   b. Work Change Directives.
   c. Change Orders.
   d. Field Orders.

B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).

C. There are no Contract Documents other than those listed above in this Article 9.

D. The Contract Documents may only be amended, modified, or supplemented as provided in the General Conditions.

ARTICLE 10 – MISCELLANEOUS

10.01 Terms

   A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

10.02 Assignment of Contract

   A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

10.03 Successors and Assigns

   A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.
10.04 Severability

A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

10.05 Contractor’s Certifications

A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 10.05:

1. “corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process or in the Contract execution;

2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and

4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

10.06 Other Provisions

A. Owner stipulates that the General Conditions that are made a part of this Contract are based on EJCDC® C-700, Standard General Conditions for the Construction Contract, published by the Engineers Joint Contract Documents Committee®, and Owner has plainly shown all modifications to the standard wording of such published document to the Contractor in the Supplementary Conditions.
IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on ____________ (which is the Effective Date of the Contract).

OWNER:

By: ____________________________
Title: ____________________________

Attest: ____________________________
Title: ____________________________

Address for giving notices:
________________________________________
________________________________________

CONTRACTOR:

By: ____________________________
Title: ____________________________

(If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: ____________________________
Title: ____________________________

Address for giving notices:
________________________________________
________________________________________

License No.: ____________________________
(Where applicable)

(If Owner is a corporation, attach evidence of authority to sign. If Owner is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)

NOTE TO USER: Use in those states or other jurisdictions where applicable or required.
NOTICE TO PROCEED

Owner: 
Contractor: 
Engineer: 
Engineer's Project No.: 
Contract Name: 
Effective Date of Contract: 

TO CONTRACTOR:

Owner hereby notifies Contractor that the Contract Times under the above Contract will commence to run on [_____________________, 20__].

On that date, Contractor shall start performing its obligations under the Contract Documents. No Work shall be done at the Site prior to such date. In accordance with the Agreement, [the date of Substantial Completion is ______________________], and the date of readiness for final payment is_____________________.

Before starting any Work at the Site, Contractor must comply with the following:

The first sixty days of the contract time shall be a submittal review period. Onsite mobilization is allowed, however, no construction activities will be allowed during the first 60 days of the contract time. No construction activities are allowed until submittal review has been completed and approved shop drawings are on site. Contractor shall notify Engineer upon mobilization and intended construction activity start dates. (Addendum No. 2 7/10/2020)

Owner: 

Authorized Signature
Name/Title: 

Contractor: 

Authorized Signature
Name/Title: 

Copy: Engineer
APPENDIX B
PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

1.2 DESCRIPTION OF WORK:

A. Extent of overhead coiling doors is shown on drawings.

B. Provide complete operating door assemblies including insulated door curtains, guides, counterbalance mechanisms, hardware, operators and installation accessories.

C. Field painting is specified in Division-9.

1.3 QUALITY ASSURANCE:

A. Furnish each overhead coiling door as a complete unit produced by one manufacturer, including hardware, accessories, mounting and installation components.

B. Unless otherwise acceptable to Architect, furnish overhead coiling door units by one manufacturer for entire project.

C. Inserts and Anchorages: Furnish inserts and anchoring devices which must be set in concrete or built into masonry for the installation of the units. Provide setting drawings, templates, instructions, and directions for installation of anchorage devices. Coordinate delivery with other work to avoid delay.

D. See concrete and masonry sections of these specifications for installation of inserts and anchorage devices.

E. Wind Loading: Design and reinforce overhead coiling doors to withstand a 20 lb. per sq. ft. wind loading pressure unless otherwise indicated.

1.4 SUBMITTALS:

A. Product Data: Submit manufacturer’s product data, roughing in diagrams, and installation instructions for each type and size of overhead coiling door. Provide operating instructions and maintenance information, and complete information describing fire release system including electrical rough-in instructions.

B. Shop Drawings: Submit shop drawings for special components and installations which are not fully dimensioned or detailed on manufacturers data sheets.
2.1 ACCEPTABLE MANUFACTURERS:
A. Manufacturer: Subject to compliance with requirements, provide products of one of the following:
Apton Door, Div. of the Union Corp.
Atlas Door Corp.
The Cookson Co.
Cornell Iron Works Inc.
Kinnear Div., Harsco Corp.
Mahon Rolling Door Div., RCM Corp.
North American Door, Div. of Jim Walters.
Overhead Door Corp.

2.2 DOOR CURTAIN MATERIALS AND CONSTRUCTION:
A. Door Curtain: Fabricate overhead coiling door curtain of interlocking slats designed to withstand required wind loading, of continuous length for width of door without splices. Unless otherwise indicated, provide slats of material gage recommended by door manufacturer for size and type of door required, and as fabricated of structural quality, cold-rolled galvanized steel sheets complying with ASTM A 446, Grade A, with C90 zinc coating, complying with ASTM A 525, and phosphate treated before fabrication. Furnish manufacturer’s standard "flat-face" slats with flat galvanized back cover enclosing 3/4" thick closed cell polyethylene foam insulation (U=.50).
B. Endlocks: Malleable iron castings galvanized after fabrication, secured to curtain slats with galvanized rivets. Provide locks on alternate curtain slats for curtain alignment and resistance against lateral movement.
C. Bottom Bar: Consisting of 2 angles, each not less than 1-1/2" x 1-1/2" x 1/8" thick, either galvanized or stainless steel or aluminum extrusions to suit type of curtain slats. Provide a replaceable gasket of flexible vinyl or neoprene between angles as a weather seal and cushion bumper for manually operated doors unless shown as an overlapping joint.
D. Curtain Jamb Guides: Fabricate curtain jamb guides of steel angles, or channels and angles with sufficient depth and strength to retain curtain loading. Build-up units with minimum 3/16" thick steel sections, galvanized after fabrication. Slot bolt holes for track adjustment. Secure continuous wall angle to wall framing by 3/8" mini mum bolts at not more than 30° o.c., unless closer spacing recommended by door manufacturer. Extend wall angles above door opening head to support coil brackets, unless otherwise indicated. Place anchor bolts on exterior wall guides so they are concealed when door is in closed position. Provide removable stops on guides to prevent over-travel of curtain, and continuous bar for holding windlocks.
E. Weather Seals: Provide vinyl or neoprene weatherstripping for exterior exposed doors except where otherwise indicated. At door heads, use 1/8" thick continuous sheet secured to inside of curtain coil hood. At door jamb, use 1/8" thick continuous strip secured to exterior side of jamb guide.

2.3 COUNTERBALANCING MECHANISM:
A. Counterbalance doors by means of adjustable steel helical torsion spring, mounted around a steel shaft and mounted in a spring barrel and connected to door curtain with
required barrel rings. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.

B. **Counterbalance Barrel:** Fabricate spring barrel of hot-formed structural quality carbon steel, welded or seamless pipe, of sufficient diameter and wall thickness to support roll-up of curtain without distortion of slats and limit barrel deflection to not more than 0.03" per ft. of span under full load. Provide spring balance of one or more oil-tempered, heat-treated steel helical torsion springs. Size springs to counterbalance weight of curtain, with uniform adjustment accessible from outside barrel. Provide cast steel barrel plugs to secure ends of springs to barrel and shaft. Fabricate torsion rod for counterbalance shaft of case-hardened steel, of required size to hold fixed spring ends and carry torsional load.

C. **Brackets:** Provide mounting brackets of manufacturer’s standard design, either cast iron or cold-rolled steel plate with bell mouth guide groove for curtain.

D. **Hood:** Form to entirely enclose coiled curtain and operating mechanism at opening head and act as weather seal. Contour to suit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Provide closed ends for surface-mounted hoods, and any portion of between-jamb mounting projecting beyond wall face. Provide intermediate support brackets as required to prevent sag. Fabricate steel hoods for doors of not less than 24 gage hot-dip galvanized steel sheet with G 90 zinc coating, complying with ASTM A 525. Phosphate treat before fabrication.

2.4 **PAINTING:**

Shop clean and prime ferrous metal and galvanized surfaces, exposed and unexposed, except faying and lubricated surfaces, with door manufacturer’s standard rust inhibitive primer.

2.5 **MANUAL DOOR OPERATORS:**

**Chain Hoist Operator:** Provide manual chain hoist operator consisting of endless steel hand chain, chain pocket wheel and guard, and geared reduction unit with maximum 35 lbs. pull for door operation. Design chain hoist with self-locking mechanism allowing curtain to be stopped at any point in its travel and to remain in position until movement is reactivated. Furnish alloy steel hand chain with chain holder secured to operator guide.

**PART 3 - EXECUTION**

3.1 **INSTALLATION:**

Install door and operating equipment complete with necessary hardware, jamb and head mold strips, anchors, inserts, hangers, and equipment supports in accordance with final shop drawings, manufacturer’s instructions, and as specified herein.

**END OF SECTION**
SECTION 08520 - ALUMINUM WINDOWS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:
Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to the work of this section.

1.2 SUMMARY:
A. Extent of each type, grade and performance class of aluminum window units required is indicated on the drawings and schedules.
B. Aluminum window units required are commercial grade of the performance class indicated.
C. Type of aluminum window required in projected windows.
D. Applications of aluminum windows on the project include individual units set in conventional wall construction.

1.3 DEFINITIONS:
A. Performance class number included as a part of the window designation system is the actual design pressure in pounds per sq. ft. used to determine the structural test pressure and water test pressure.
B. Structural test pressure, windload test, is equivalent to 150 percent of the design pressure.
C. Water leakage resistance test pressure is equivalent to 15 per cent of the design pressure with 2.86 psf as a minimum.

1.4 SYSTEM DESCRIPTION:
A. Design Requirements: Comply with air infiltration, water penetration and structural performance requirements indicated in AAMA 101-85 for the type, grade and performance class of window units required.
B. Design wind velocity at the project site is 70 mph.
C. Testing: Test each type and size of required window unit through a recognized testing laboratory or agency, in accordance with ASTM E 330 for structural performance, with ASTM E 283 for air infiltration and with ASTM E 547 for water penetration. Provide certified test results.
D. Structural Performance: Provide units with no failure or permanent deflection for a positive (inward) and negative (outward) test pressure of 30 lbf/sq. ft.
E. Air Infiltration: Provide units with an air infiltration rate of not more than 0.37 cfm/ft. of operable sash joint for an inward test pressure of 1.57 lbf/sq. ft.
F. **Water Penetration:** Provide units with no water penetration as defined in the test method at an inward test pressure of 3.00 lb/sq. ft.

G. **Condensation Resistance:** Where window units are indicated to be of "thermal-break construction", provide units which have been tested for thermal performance in accordance with AAMA 1502 showing a condensation resistance factor (CRF) of 45.

1.5 **SUBMITTALS:**

A. **Shop Drawings:** Submit shop drawings for each type of window including information not fully detailed in the manufacturer's standard product data and the following:
   1. Elevations of continuous work at 1/4" scale.
   2. Anchors.

B. **Product Data:** Submit manufacturer's product specifications, technical product data, recommendations and standard details for each type of aluminum window unit required. Include the following information:
   1. Fabrication methods.
   2. Finishing.
   3. Hardware.
   4. Accessories.

C. **Certification:** Provide certification by the manufacturer showing that each type, grade and size of window unit complies with requirements where the manufacturer's standard window units have been tested in accordance with specified tests and meet performance requirements specified. Where such testing has not been accomplished, perform required tests through a recognized testing laboratory or agency and provide certified test results.

1.6 **QUALITY ASSURANCE:**

A. **Standards:** Requirements for aluminum windows, terminology and standards of performance, and fabrication workmanship are those specified and recommended in AAMA 101-85 and applicable general recommendation published by AAMA and AA.

B. **Single Source Responsibility:** Provide aluminum windows produced by a single manufacturer capable of showing prior production of units similar to those required.

C. **Design Criteria:** Drawings indicate sizes, profiles and dimensional requirements of aluminum windows. Window units having minor deviations from indicated dimensions and profiles may be accepted, subject to the Architect's approval, provided such deviations do not materially detract from the design concept or intended performance.

1.7 **PROJECT CONDITIONS:**

A. **Field Measurements:** Where possible, check actual window openings in construction work by accurate field measurement before fabrication; show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress as directed by the Contractor to avoid delay of work. Where necessary, proceed with fabrication without field measurements, and coordinate fabrication tolerances to ensure proper fit of window units.
2.1 **MANUFACTURERS:**

A. **Available Manufacturers:** Subject to compliance with requirements, manufacturers offering products which may be incorporated in the work include, but are not limited to, the following:

1. **Projected Windows:**

   Acorn Building Components, Inc.
   Alenco, Division of Redman Industries, Inc.
   Capitol Windows.
   Desco Windows.
   EFCO Corporation.
   Graham Architectural Products Corporation.
   Modu-Line Windows, Inc.
   Winco Manufacturing Co.

2.2 **MATERIALS:**

A. **Aluminum Extrusions:** Provide alloy and temper recommended by the window manufacturer for the strength, corrosion-resistance, and application of required finish, but not less than 22,000 psi ultimate tensile strength and not less than 0.062" thickness at any location for main frame and sash members.

B. **Fasteners:** Provide aluminum, non-magnetic stainless steel, epoxy adhesive, or other materials warranted by the manufacturer to be non-corrosive and compatible with aluminum window members, trim, hardware, anchors and other components of window units.

C. **Reinforcement:** Where fasteners screw-anchor into aluminum less than 0.125" thick, reinforce the interior with aluminum or non-magnetic stainless steel to receive screw threads, or provide standard non-corrosive pressed-in splined grommet nuts.

D. **Exposed Fasteners:** Except where unavoidable for application of hardware, do not use exposed fasteners. For application of hardware, use fasteners that match the finish of the member or hardware being fastened, as appropriate.

E. **Anchors, Clips and Window Accessories:** Fabricate anchors, clips and window accessories of aluminum, non-magnetic stainless steel or hot-dip zinc coated steel or iron complying with the requirements of ASTM A 386; provide sufficient strength to withstand design pressure indicated.

F. **Compression Type Glazing Strips and Weatherstripping:** Unless otherwise indicated, and at the manufacturer's option, provide compressible stripping for glazing and weatherstripping such as molded EPDM or neoprene gaskets complying with AAMA SG-1 or with ASTM D 2000 Designation 2BC415 to 3BC620, or molded PVC gaskets complying with ASTM D 2287, or molded expanded EPDM or neoprene gaskets complying with ASTM C 509, Grade 4.

G. **Sealant:** For sealants required within fabricated window units, provide type recommended by the manufacturer for joint size and movement. Sealant shall remain permanently elastic, non-shrinking, and non-migrating. Comply with Division-7 "Joint Sealants" section of these specifications for selection and installation of sealants.
H. **Glass Fiber Mesh Insect Screen**: Provide 18 x 16 or 18 x 14 mesh of plastic-coated glass fiber threads, woven and fused to form a fabric mesh that is resistant to corrosion, shrinkage, stretch, impact damage and weather deterioration. Comply with requirements of FS L-S-125.

2.3 **WINDOW GRADES AND PERFORMANCE CLASSIFICATION:**

**Commercial Windows**: Provide window units complying with requirements of AAMA Grade and Performance Class C20.

2.4 **WINDOW TYPES:**

A. **General**: The following paragraphs define the operating arrangement for the types of sash required in window units and specify minimum provisions for each type. The drawings indicate which panels of each window unit are operable sash and which are fixed.

B. **Projected windows**: Are window units containing one or more ventilators hinged or pivoted at either the top or bottom and which project either inward or outward from the plane of the window frame. Projected windows may contain one or more fixed lights of glass. Provide sash operation that permits inside cleaning of the outside glass face from the interior.

2.5 **HARDWARE:**

A. **General**: Except to the extent that more specific or stringent requirements are indicated, provide the manufacturer’s standard hardware fabricated from aluminum, stainless steel, or other corrosion-resistant material compatible with aluminum and of sufficient strength to perform the function for which it is intended.

B. **Projected Windows**: Provide the following operating equipment and hardware:

- **Hinges**: 4-bar friction hinges with adjustable friction slide shoe (2 per vent).

C. **Sash Lock**: Cam action sweep lock handle and keeper.

2.6 **ACCESSORIES:**

A. **General**: Except to the extent that more specific or stringent requirements are indicated, provide the manufacturer’s standard accessories that comply with indicated standards.

B. **Insect Screens**: Provide insect screen units for each operable exterior sash or vent. Locate screen units on either the inside or outside of the sash, depending upon window type and location shown. Where possible, design window units and hardware to accommodate screens in a tight-fitting removable arrangement, with a minimum of exposed fasteners and latches, and without the necessity of wickets for hardware access. Where wickets are necessary, provide either sliding or hinged type, framed and trimmed for durability during handling, and for a tight fit. Fabricate screen frames of extruded or formed aluminum tubular-shaped members of 0.040" minimum wall thickness, with mitered or coped joints and concealed mechanical fasteners. Provide removable PVC spline-anchor concealing the edge of the screen frame. Finish frames to match window units, unless otherwise indicated.
2.7  FABRICATION:

A.  **General:** Except to the extent that more specific or stringent requirements are indicated, provide manufacturer's standard fabrication that complies with indicated standards and that produces units that are reglazable without dismantling sash framing. Include a complete system for assembly of components and anchorage of window units, and prepare sash for glazing except where preglazing at the factory is indicated.

B.  **Sizes and Profiles:** Required sizes for window units and profile requirements are indicated on the drawings.

C.  **Details shown are based upon standard details by one or more manufacturers.** Similar details by other manufacturers will be acceptable, provided they comply with size requirements, minimum/maximum profile requirements, and performance standards as indicated or specified.

D.  **Provide weepholes and internal water passages to conduct infiltrating water to the exterior.**

E.  **Provide subframes** with anchors for window units where shown, of profile and dimensions indicated but not less than 0.062" thick extruded aluminum. Miter or cope corners, and weld and dress smooth with concealed mechanical joint fasteners. Finish to match window units.

F.  **Provide mullions and cover plates as shown, matching window units, complete with anchors for support to structure and installation of window units.** Allow for erection tolerances and provide for movement of window units due to thermal expansion and building deflections, in the manner indicated.

G.  **Glazing Stops:** Provide screw-applied or snap-on glazing stops, coordinated with glass selection and glazing system indicated. Finish glazing stops to match window units.

2.8  FINISHES:

**Natural Anodized Finish:** Provide NAAMM AA-C22A41, Class I (minimum thickness of 0.7 mils), natural aluminum color.

PART 3 -  EXECUTION

3.1  INSPECTION:

A.  Inspect openings before beginning installation. Verify that rough or masonry opening is correct and the sill plate is level.

B.  Masonry surfaces shall be visibly dry and free of excess mortar, sand and other construction debris.

3.2  INSTALLATION:

A.  Comply with manufacturer's specifications and recommendations for installation of window units, hardware, operators, and other components of the work.

B.  Set units plumb, level and true to line, without warp or rack of frames or sash. Provide proper support and anchor securely in place. Separate aluminum and other corrodeable
surfaces from sources of corrosion or electrolytic action at points of contact with other materials by complying with the requirements specified under paragraph "Dissimilar Materials" in the Appendix to AAMA 101-85.

C. Set sill members and other members in a bed of compound or with joint fillers or gaskets, as shown, to provide weathertight construction. Refer to the "Joint Sealer" sections of Division-7 for compounds, fillers, and gaskets to be installed concurrently with window units. Coordinate installation with wall flashings and other components of the work.

3.3 **ADJUSTING:**

Adjust operating sash and hardware to provide a tight fit at contact points and at weatherstripping, for smooth operation and a weathertight closure.

3.4 **CLEANING:**

Clean aluminum surfaces promptly after installation of windows. Exercise care to avoid damage to protective coatings and finishes. Remove excess glazing and sealant compounds, dirt and other substances. Lubricate hardware and other moving parts.

3.5 **PROTECTION:**

Initiate and maintain protection and other precautions required through the remainder of the construction period, to ensure that, except for normal weathering, window units will be free of damage or deterioration at the time of substantial completion.

END OF SECTION
1.1 RELATED DOCUMENTS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

1.2 WORK INCLUDED

A. This section includes the furnishing of all finish hardware to the respective trades. The hardware supplier will promptly furnish templates to all other manufacturers furnishing materials necessary to completion of this part of the work.

B. Hardware for cabinets shall be as specified in Section 06400 Architectural Woodwork, unless otherwise noted.

C. The following specifications are a guide and a description of the quality of materials required. No material of quality or weight less than that outlined in this specification will be accepted or give consideration. The Contractor shall be responsible for supplying the correct quality of all materials, whether or not specifically mentioned in this specification. Any additional items that may be required shall be furnished and be of type, quality and utility consistent with other hardware specified.

D. No consideration will be granted for any alleged misunderstanding of the material to be furnished or work to be done, it being fully understood that the tender of a proposal carries with it the agreement to all items and conditions referred to herein or indicated on the Drawings and as scheduled, whether specifically mentioned herein or not.

E. The hardware supplier shall receive and check all hardware at his warehouse. All hardware shall be delivered to the job by the hardware supplier in one shipment. Drop shipments to the job site from the various manufacturers will positively not be permitted. All hardware shall be properly wrapped in separate packages complete with trimmings, screws, etc., (locksets packages complete in the same box), each plainly labeled and numbered to agree with the door numbers, and Contractor's typewritten schedule. The Contractor shall submit his schedules for corrections and shall obtain approval of the Architect/Engineer before proceeding with any work. The hardware supplier shall re-pack all separate boxes and packages of hardware, in cartons or cases, and attach to the outside of each case or carton a label indicating the manufacturer of the material, contents, quality, item number on hardware schedule and door number, before delivery to job site. Hardware, when required, shall be delivered to the shops of the various door manufacturers, properly marked and labeled following the same procedure outlined above for job site shipment.

F. The Contractor shall provide proper storage facilities for the finish hardware after delivery to the job site. A separate room, under lock and key, with shelves and bins as necessary to provide dry storage for all hardware items will be required.
PART 2 - PRODUCTS

2.1 MATERIALS:

A. **Hinges:** All hinges to be of five knuckle construction with pins and plugs concealed in the barrel. Plain bearing and ball bearing hinges to be identical in appearance. Ball bearing hinges to have fully concealed bearings and self-lubricated sleeves for lateral wear. Hinges for all doors to be brass with finish as indicated. 1-1/2 pair per door up to 90" high.

B. **Locksets:** All locks shall be bored type. Lock bodies and trim shall be by the same manufacturer. Knobs shall have screwless shank and no attachment screws shall be visible on either face of doors. Latch bolts shall have a minimum throw of 5/8". Back set on all locks shall be 2-3/4". All deadbolts shall have a minimum throw of 1" for extra security. All cylinders shall have recessed rings.

C. **Closers:** Except as otherwise specifically indicated, comply with the manufacturer’s recommendations for size of door control unit, depending upon size of door, exposure to weather and anticipated frequency of use. Provide parallel arms for all overhead closers, except as otherwise indicated.

D. **Door Stops and Holders:** Door stops shall be provided wherever necessary to prevent the door or hardware from striking an adjacent wall or obstruction. They shall be wall type whenever possible. All door stops and holders mounted on concrete floor or masonry walls shall be furnished with machine screws and lead expansion shields. Anchorage shall be rigid and firm before acceptance.

E. **Weatherstripping:** Except as otherwise indicated, provide continuous weatherstripping at each edge of every exterior door leaf. Provide type, sizes, and profiles shown or scheduled. Provide noncorrosive fasteners as recommended by manufacturer for application indicated.

F. **Thresholds:** Extruded aluminum thresholds shall be furnished where called for in the hardware schedule. Thresholds shall be furnished with machine screws and lead expansion shields and shall be rigidly anchored to the floor.

2.2 FINISHES:

Finish on all hardware hereafter specified unless specifically noted otherwise, shall be US32 (Polished Stainless Steel).

2.3 KEYING:

A. **General:** Supplier will meet with Owner to finalize keying requirements and obtain final instructions in writing.

B. **Review the keying system** with the Owner and provide the type required (master, grandmaster, or great-grandmaster).

C. **Equip locks** with cylinders for interchangeable-core pin tumbler inserts. Furnish only temporary inserts for the construction period, and remove and replace with permanent cores when directed.

D. **Each lock** shall be keyed as directed. Furnish 2 master keys. Furnish 1 change keys per lock.
PART 3 - EXECUTION

3.1 MOUNTING:

All hardware shall be firmly and rigidly attached to the doors and frames. Door closers, specified to be surface mounted shall be thrubolted to the door with oval head sex bolts. All door pulls and other surface mounted items shall be thrubolted to the door with oval head sex bolts, except push and kick plates. Outswinging doors shall have hinges with non-removable pins.

3.2 APPLICATION:

Application - finish hardware shall be installed using mechanics skilled in this type of work. Installation shall be in a neat workmanship manner, in accordance with the approved hardware and door schedule. All items of hardware shall be secure and free working in the manner intended. Hardware shall not be applied until the painting is finished. After hardware is installed, the General Contractor shall cover all exposed surfaces of push plates, pulls, locksets, etc., with a suitable covering, such as masking tape and polyethylene trim, to protect the hardware from scratches, abrasion, and tarnishing. This is to be left on until the building is completed and ready for final inspection. Upon completion of application the Contractor shall deliver to the Architect/Engineering, for the Owner’s maintenance personnel, two (2) copies of all installation instructions, templates, wrenches, installation tools, etc., supplied by the various manufacturers and packed with the hardware, necessary for installation and maintenance.

PART 4 - HARDWARE SCHEDULE

4.1 GENERAL:

A. Lists of hardware to be submitted by the Contractor shall be corrected as to quality and kind of hardware selected, but the Contractor must be responsible for all quantities and for the hands of the locks, and must submit supplemental lists as necessary to cover any items of hardware not included in the original list.

B. The General Contractor and the hardware supplier’s representative shall conduct a pre-installation meeting on the project prior to hardware installation.

4.2 SUBMITTALS:

Before an order is placed with the manufacturer for the hardware, six (6) copies of a complete schedule of the hardware, indicating the type, number, location and finish shall be submitted to the Architect/Engineering, together with such samples as may be required for approval. No hardware shall be shipped or delivered to the job until the Architect/Engineering has approved the schedule and the samples. Approval of schedules and samples shall not relieve the Contractor of any responsibility for furnishing all hardware required.

4.3 ACCEPTABLE MANUFACTURERS:

The numbers given in the schedule are of the following first listed manufacturers.

MANUFACTURERS USED:

Hinges Hager, Mckinney or Stanley
Locksets, Latchsets Sargent, Schlage, Russwin or Corbin
Closers LCN, Norton or Dorma
Bolts
Thresholds
Weather Stripping
Doorstops
Door Holders
Push-Pulls

Ives, Glynn Johnson or equal
Reese, National Guard or equal
Reese, National Guard or equal
Glynn Johnson, Ives or equal
Reese, Glynn Johnson, or equal
Brookline

Set No. 1

1 1/2 Pair
1 Each
1 Each
1 Set
1 Each
1 Each
1 Each
1 Each

Door No's. 1, 3, & 9

BB1279 Hinges x NRP x 4 1/2"x4 1/2" x US 26D
9G37 OB Lockset US 26D
4000 Series Closer x Alum.
769A Weatherstrip
R119A Drip
602C Sill Sweep
S206A Threshold
407 1/2 Wall Bumper

Set No. 2

3 Pair
1 Each
1 Each
2 Each
2 Each
2 Sets
2 Each
2 Each
1 Each
1 Each

Door No. 10

BB1191 Hinges x NRP x 4 1/2"x4 1/2" x US 26D
9G37 Lockset x US 26D
457 Flushbolts x US 26D
GJ 90M-4 Holders
GJ FB-19 x Stops
769A Weatherstrip
R119A Drip
602C Sill Sweep
5206A Threshold
184A Astragal

Set No. 3

1 1/2 Pair
1 Each
1 Each

Door No. 2

BB1191 Hinges x 4 1/2"x4 1/2" x US 26D
9U15 0B Passage x US 26D
442 Door Stop

Set No. 4

3 Pair
1 Each
1 Each
2 Each
2 Each
1 Each

Door No. 8

BB 1191 Hinges x 4 1/2"x4 1/2" x US 26D
9U15 0B Passage x US 26D
457 Flushbolts x US 26D
GJ 90M-4 Holders
442 Door Steps
184 A Astragal

Set No. 5

1 1/2 Pair
1 Each
1 Each

Door No. 4

BB 1191 Hinges x NRP x 4 1/2"x4 1/2" x US 26D
9G05 Lockset x US 26D
407 1/2 Wall Bumper
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<td>1 Each</td>
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<tr>
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<td>69 - Push Unit</td>
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END OF SECTION
## Burkesville Wastewater Treatment Plant Improvements
### City of Burkesville
#### GRW Project No. 4667-01
**Bids July 15, 2020 2pm Local Time**
#### Plan Holders List

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<tr>
<td>Builder's Exchange</td>
<td>Mary Beth Hewett</td>
<td>2300 Meadow Dr</td>
<td>Louisville</td>
<td>KY</td>
<td>40218</td>
<td>1-d</td>
<td>502-459-9800</td>
<td>502-459-9803</td>
<td><a href="mailto:mhewett@bxkentucky.com">mhewett@bxkentucky.com</a></td>
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<td>301 Perimeter Park Dr</td>
<td>Nashville</td>
<td>TN</td>
<td>37211</td>
<td>1-d</td>
<td>615-690-7200</td>
<td>615-690-7201</td>
<td><a href="mailto:kendra@btxn.org">kendra@btxn.org</a></td>
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<tr>
<td>Construct Connect</td>
<td>Jennifer Rodes</td>
<td>3825 Edwards Rd</td>
<td>Cincinnati</td>
<td>OH</td>
<td>45209</td>
<td>1-d</td>
<td>513-458-8637</td>
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<td>Dodge Data</td>
<td>Darlene Mann</td>
<td>4300 beltway place</td>
<td>Arlington</td>
<td>TX</td>
<td>76018</td>
<td>1-d</td>
<td>405-455-1699</td>
<td>609-336-2767</td>
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<td>Herrick Company</td>
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<td>2176 Waddy Rd</td>
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<td>KY</td>
<td>40342</td>
<td>1-h/d</td>
<td>502-839-3484</td>
<td>5002-839-0939</td>
<td><a href="mailto:ryanhci@dcr.net">ryanhci@dcr.net</a></td>
</tr>
<tr>
<td>J Cumby Construction</td>
<td>Justin Cumby</td>
<td>165 W. Broad St.</td>
<td>Cookeville</td>
<td>TN</td>
<td>38501</td>
<td>1-h/d</td>
<td>931-526-5158</td>
<td>931-526-5171</td>
<td><a href="mailto:justin@jcumbyconstruction.com">justin@jcumbyconstruction.com</a></td>
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<tr>
<td>J.L. Davis Electrical</td>
<td>Jimmy Davis</td>
<td>po box 1028</td>
<td>Barbourville</td>
<td>KY</td>
<td>40906</td>
<td>1-d</td>
<td>606-546-8491</td>
<td>606-546-8561</td>
<td><a href="mailto:jddec@hotmail.com">jddec@hotmail.com</a></td>
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<td>Judy Construction</td>
<td>Owen Yocum</td>
<td>103 South Church St.</td>
<td>Cynthiana</td>
<td>KY</td>
<td>41031</td>
<td>1-h/d</td>
<td>859-234-6900</td>
<td>859-234-3480</td>
<td><a href="mailto:owen@judyconstructionco.com">owen@judyconstructionco.com</a></td>
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<tr>
<td>Norris Brother Excavating</td>
<td>Justin Jacob</td>
<td>22 Northside Ln</td>
<td>Crossville</td>
<td>TN</td>
<td>38571</td>
<td>1-h/d</td>
<td>931-277-5665</td>
<td>931-277-5495</td>
<td><a href="mailto:norrisbrosexcavating@hotmail.com">norrisbrosexcavating@hotmail.com</a></td>
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<td>Pace Contracting</td>
<td>Latavia Scott</td>
<td>15415 Shelbyville Rd.</td>
<td>Louisville</td>
<td>KY</td>
<td>40245</td>
<td>1-h/d</td>
<td>502-815-4142</td>
<td>502-583-6375</td>
<td><a href="mailto:lscott@pacecontractingllc.com">lscott@pacecontractingllc.com</a></td>
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<tr>
<td>Southern Sales Company</td>
<td>Tom Herndon</td>
<td>2937 Kraft Dr.</td>
<td>Nashville</td>
<td>KY</td>
<td>37204</td>
<td>1-d</td>
<td>615-254-0066</td>
<td>615-254-0791</td>
<td><a href="mailto:dugans@wrogers.com">dugans@wrogers.com</a></td>
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<tr>
<td>The Blue Book</td>
<td>Kathy Stein</td>
<td>800 E. Main St.</td>
<td>Jeffererson Valley</td>
<td>NY</td>
<td>10535</td>
<td>1-d</td>
<td>800-431-2584</td>
<td></td>
<td><a href="mailto:kstein@mail.thebluebook.com">kstein@mail.thebluebook.com</a></td>
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<tr>
<td>W. Rogers Company</td>
<td>Dugan McDermott</td>
<td>649 Bizzell Dr</td>
<td>Lexington</td>
<td>KY</td>
<td>40510</td>
<td>1-h/d</td>
<td>859-410-7221</td>
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<td><a href="mailto:bsmh@southernsalesinc.com">bsmh@southernsalesinc.com</a></td>
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6/30/2020