Integrated Security System Management

UA Project No. SC-21-001

BID DOCUMENTS

March 29, 2021
PREPARED BY:

The University of Alabama
Contract Administration
DIVISION 00

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As of the initial publication of this advertisement, UA is under limited business operations. Should UA remain under limited operations on the dates of the meetings listed below, these meetings will be held online. The pre-bid conference will be non-mandatory, but online attendance is highly encouraged. Information on how to view and join online meetings will be provided at constructionpublicinfo.ua.edu or you may contact Darrel Lindsey at drlindsey@ua.edu.

Sealed Bid Proposals will be received by Contract Administration, The University of Alabama, at the Procurement Services Annex, 405 Cahaba Circle, Tuscaloosa, AL 35404, Tuesday, April 20, 2021 until 2:00 pm local time for construction of the Integrated Security System Management, UA Project #SC-21-001, at which time they will be opened and read.

Bidders are required to prequalify in order to bid. For information on how to prequalify for this project, please go to http://contractadministration.ua.edu/audiovisual-and-other-title-39-bids/ or contact Darrel Lindsey at The University of Alabama, Contract Administration, 205-348-5552 or drlindsey@ua.edu. Prequalification submissions must be received by 5:00pm local time Tuesday, March 30, 2021. Late submittals will not be accepted.

Please note the UA Master List is not applicable to this project.

A pre-bid conference will be held at the Conference Room of the Procurement Services Annex at the above address at 10:00 am local time Tuesday, April 06, 2021 and continue on to the job site.

Specifications, and contract documents will be available starting on Monday, March 29, 2021. For information on obtaining plans, specifications, and contract documents go to UAbidinfo.ua.edu or contact Darrel Lindsey at University of Alabama, 205-348-5552 or drlindsey@ua.edu

For questions regarding this project, please contact UA Project Manager Rusty Livingston at 205-348-9795 or rlivingston@fa.ua.edu.
Thank you for your interest in this Project at The University of Alabama. Please read this entire document for information on how to obtain plans and specifications and prequalify for this project.

**WHO IS REQUIRED TO PREQUALIFY FOR THIS PROJECT?**

The following are required to prequalify prior to submitting bids or working on this project.

**General/Prime Contractors**

**HOW DO I SUBMIT A PREQUALIFICATION PACKET?**

Send your request for a prequalification packet to:

Darrel Lindsey, Senior Buyer  
205-348-5552  
drlindsey@ua.edu

Completed packets may be submitted by email to:

Darrel Lindsey, Senior Buyer  
205-348-5552  
drlindsey@ua.edu

If necessary, hard copy submissions should be sent to:

Darrel Lindsey, Senior Buyer  
205-348-5552  
drlindsey@ua.edu

Submissions must be received by the deadline stated in the ad. Emailed submissions are highly encouraged, but it is the responsibility of the submitting firm to make sure the submission was received prior to the deadline. In reviewing the submittals, emphasis will be placed on your firm’s experience with projects similar in size and type to this Project and experience with projects on college campuses.

**PREQUALIFICATION SUBMISSION MUST BE RECEIVED BY 5:00PM LOCAL TIME ON FRIDAY, MARCH 30, 2021.**

**UA WILL ISSUE THE NAMES OF ALL FIRMS WHO HAVE PREQUALIFIED BY THURSDAY, APRIL 1, 2021.**

**WHEN AND WHERE CAN I REVIEW SPECIFICATIONS?**

Specifications and Contract Documents are open to public inspection and will be available electronically by contacting Darrel Lindsey, drlindsey@ua.edu, 205-348-5552.

**SPECIFICATIONS AND CONTRACT DOCUMENTS WILL BE AVAILABLE STARTING MONDAY, MARCH 29, 2021.**

This attachment is part of the Contract Documents and shall be binding on parties seeking to bid or work on this Project. The terms and dates contained herein may be changed by addendum and it is the bidder’s responsibility to review any addenda prior to bidding. Bid security shall be deposited with each bid as provided in Instructions to Bidders. No bid may be withdrawn after the scheduled closing time for the receipt of bids for a period of 60 days. The Owner reserves the right to reject any or all bids.
and to waive informalities and technical errors if, in the Owner’s judgment, the best interest of the Owner will thereby be promoted. All bidders shall meet licensing requirements of Title 34, Chapter 8, Code of Alabama and must show evidence of license before bidding or bid will not be received or considered. Bidder shall show such evidence by clearly displaying its current license number on the outside of the sealed envelope in which the proposal is delivered.
INSTRUCTIONS TO BIDDERS

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The Contract Documents may contain modifications of, or supplements to, these Instructions to Bidders effecting additional procedures or requirements applicable to this particular project.

1. INTENT OF INSTRUCTIONS:

Instructions to Bidders are included in the Contract Documents to amplify the abbreviated Advertisement and to give other details that will allow interested parties to prepare proper bids. Modifications may be added.

2. BIDDER QUALIFICATIONS:

a. When the amount bid for a contract exceeds the amount established by the State Licensing Board for General Contractors, the bidder must be licensed by that board and must show the Designer evidence of license before bidding or the bid will not be received by the Designer or considered by the Awarding Authority. A bid exceeding the bid limit stipulated in the bidder’s license, or which is for work outside of the type or types or work stipulated in the bidder’s license, will not be considered. In case of a joint venture of two or more contractors, the amount of the bid shall be within the maximum bid limitation as set by the State Licensing Board for General Contractors of the combined limitations of the partners to the joint venture. Requirements in Article 6 of these Instructions to Bidders related to a bidder’s state license for general contracting apply when a bid exceeds the amount currently established by the State Licensing Board for General Contractors. See Chapter 8, Title 34, Code of Alabama (1975).

b. Alabama Law (Section 41-4-116, Code of Alabama 1975) provides that every bid submitted and contract executed shall contain a certification that the Vendor, Contractor, and all of its affiliates that make sales for delivery into Alabama or leases for use in Alabama are registered, collecting, and remitting Alabama state and local sales, use, and/or lease tax on all taxable sales and leases into Alabama. **By submitting this bid, the bidder is hereby certifying that they are in full compliance with Act No. 2006-557**, they are not barred from bidding or entering into a contract pursuant to 41-4-116, and acknowledges that the awarding authority may declare the bid and/or contract void if the certification is false.

c. Any special qualifications required of general contractors, subcontractors, material suppliers, or manufacturers are set forth in the bid documents.
d. The Awarding Authority may have elected to prequalify bidders. Parties interested in bidding for this contract are directed to the Advertisement for Bids and Supplemental Instructions to Bidders to determine whether bidders must be prequalified and how they may obtain copies of the Awarding Authority’s published prequalification procedures and criteria.

e. Release of bid documents by the Designer to a prospective bidder will not constitute any determination by the Awarding Authority or Designer that the bidder has been found to be qualified, prequalified, or responsible.

f. In compliance with Act 2016-312, as codified in Alabama Code section 41-16-5, by submitting a bid for this project the bidder certifies that it is not currently engaged in, and will not engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which this state can enjoy open trade.

(If this project is federally funded in whole or in part, the next two paragraphs shall not apply.)

g. In awarding the Contract, preference will be given to Alabama resident contractors and a nonresident bidder domiciled in a state having laws granting preference to local contractors shall be awarded the Contract only on the same basis as the nonresident bidder’s state awards contracts to Alabama contractors bidding under similar circumstances.

h. A nonresident bidder is a contractor which is neither (a) organized and existing under the laws of the State of Alabama, nor (b) maintains its principal place of business in the State of Alabama. A nonresident contractor which has maintained a permanent office within the State of Alabama for at least five continuous years shall not thereafter be deemed to be a non-resident contractor so long as the contractor continues to maintain a branch office within Alabama.

3. COPIES OF CONTRACT DOCUMENTS:

Copies of the Contract Documents may be obtained by prime contractor bidders from the Awarding Authority or their Agent upon payment of the deposit as stated in the Advertisement for Bids plus postage if delivered by mail. Deposits will be returned to all depositors upon return of all documents in reusable condition within ten (10) days after bid opening. Additional sets for prime contractor bidders, subcontractors, vendors or dealers may be obtained upon payment of the same deposit. The deposit shall be refunded less the cost of printing, reproduction, handling and distribution upon return of the documents in reusable condition within ten (10) days after bid opening. The following Plan Rooms will be furnished Contract Documents without payment of a deposit or fee provided they agree to return the documents in reusable condition: Tuscaloosa Blueprinting and Reprographics LLC, 1926 University Blvd., Tuscaloosa, Alabama 35401; ConstructConnect, 30 Technology Parkway South, Suite 100, Norcross, GA, 30092; and Dodge Data & Analytics at network.construction.com.

4. EXAMINATION OF CONTRACT DOCUMENTS AND OF THE SITE OF THE WORK:

a. Before submitting a bid for the Work, the bidders shall carefully examine, read, and study the Bid Proposal and Contract Documents, visit the site, and satisfy themselves as to the nature and location of the Work, and the general and local conditions, including weather, the general character of the site or building, the character and extent of existing work within or adjacent to the site, and any other work being performed thereon at the time of submission of their bids.

b. Bidders shall fully inform themselves as to transportation, disposal, handling, and storage of materials, availability of water, electric power, and all other facilities in the area which will have a bearing on the performance of the Work for which they submit their bids. By submission of a bid bidder acknowledges that bidder examined the Contract Documents and found them to be complete, accurate adequate, consistent, coordinated and sufficient for construction and visited the site and has judged for and satisfied himself as to conditions to be encountered
regarding the character, difficulties, quality, and quantities of work to be performed and the material and equipment to be furnished, the Awarding Authority's tax exempt status, and as to the contract requirements and contingencies involved. The Awarding Authority makes no representation or warranty of any nature whatsoever to bidders concerning the Contract Documents.

c. Should concealed and unknown conditions encountered in the performance of the Work below the surface of the ground or in an existing structure be at variance with the conditions indicated by the Contract Documents, or should unknown conditions of an unusual nature differing materially from those ordinarily encountered in the area and generally recognized as inherent in the Work of the character provided for in the Contract Documents, be encountered, the compensation to be paid for the Work shall be equitably adjusted by Change Order pursuant to Article 19 of the General Conditions upon written notice and claim by either party made within 7 days after the first observance of the condition. As a condition precedent to the Awarding Authority having any liability to the Contractor for concealed and unknown conditions, the Contractor must give Awarding Authority and Designer written notice of, and an opportunity to observe, the condition prior to disturbing it. The failure of Contractor to make the written notice and claim as provided in this paragraph shall constitute a waiver by the Contractor of any claim arising out of or relating to such concealed or unknown condition.

5. EXPLANATIONS AND INTERPRETATIONS:

a. Before submitting a bid, bidders shall carefully examine, read, and study the Bid Proposal and Contract Documents.

b. Should any bidder observe any ambiguity, inconsistency, conflict, discrepancy, omission, or error in the Drawings and Specifications, or in any of the other Contract Documents, or be in doubt as to the intention and meaning thereof, the bidder shall immediately make a written report of the same to the Awarding Authority and request clarification in writing.

c. Clarifications will be made only by written Addenda, which will be sent to all prospective bidders and plan holders. Neither the Awarding Authority nor the Designer will be responsible for verbal answers or instructions regarding intent or meaning of the Contract Documents.

d. Should a conflict, inconsistency, ambiguity, omission, or error occur in or between the Drawings and the Specifications, a bidder will deemed to have based its bid on the more expensive way of doing the work involved unless prior to submission to his bid, the bidder shall have asked for and obtained the written decision or clarification from the Designer as to the method, materials or equipment which will be required to perform the Work.

6. PREPARATION OF BIDS:

a. Proposal Form:

(1) Bids must be submitted on the Proposal Form as contained in the bid documents.

(2) All information requested of the bidder on the Proposal Form must be filled in. The form must be completed by typewriter or hand-printed in ink.

(3) Identification of Bidder: On the first page of the Proposal Form the bidder must be fully identified by completing the spaces provided for:

(a) the legal name of the bidder,

(b) the state under which laws the bidder's business is organized and existing,
(c) the city (and state) in which the bidder has its principal offices,

(d) the bidder’s business organization, i.e., corporation, partnership, or individual (to be indicated by marking the applicable box and writing in the type of organization if it is not one of those listed), and

(e) The partners or officers of the bidder’s organization, if the bidder is other than an individual. If the space provided on the Proposal Form is not adequate for this listing, the bidder may insert “See Attachment” in this space and provide the listing on an attachment to the Proposal Form.

(4) Where indicated by the format of the Proposal Form, the bidder must specify lump sum prices in both words and figures. In case of discrepancy between the prices shown in words and in figures, the words will govern.

(5) All bid items requested in the Proposal Form, including alternate bid prices and unit prices for separate items of the Work, must be bid. If a gross sum of bid items is requested in the Proposal Form, the gross sum shall be provided by the bidder.

(6) In the space provided in the Proposal Form under “Bidder’s Alabama License”, the bidder must insert his or her current general contractor’s state license number, current bid limit, and type(s) of work for which bidder is licensed.

(7) The Proposal Form shall be properly signed by the bidder. If the bidder is:

(a) an individual, that individual or his or her “authorized representative” must sign the Proposal Form;

(b) a partnership, the Proposal Form must be signed by one of the partners or an “authorized representative” of the Partnership;

(c) a corporation, the president, vice-president, secretary, or “authorized representative” of the corporation shall sign and affix the corporate seal to the Proposal Form.

As used in these Instructions to Bidders, “authorized representative” is defined as a person to whom the bidder has granted actual authority, or who has apparent authority, to conduct business in the bidder’s behalf by signing and/or modifying the bid.

(8) Interlineation, alterations or erasures on the Proposal Form must be initialed by the bidder or its “authorized representative”.

b. Bid Guaranty

(1) The Proposal Form must be accompanied by a cashier’s check, drawn on an Alabama bank, or a Bid Bond, executed by a surety company duly authorized and qualified to make such bonds in the State of Alabama, payable to the Awarding Authority.

(2) If a Bid Bond is provided in lieu of a cashier’s check, the bond shall be on the Bid Bond form as stipulated in the bid documents.

(3) The amount of the cashier’s check or Bid Bond shall not be less than five percent of the Awarding Authority’s estimated cost of the Work or of the Contractor’s bid, but is not required to be in an amount more than ten thousand dollars.

7. COMBINATION BIDS OR PROPOSALS:

If the Awarding Authority so elects, Bid Proposal Forms may be issued for projects or parts of projects in combination or separately. In any case, bidders must adhere to the Bidding Procedures as set forth in the Bid Documents. Award or awards will be made to
the lowest responsible and responsive bidder or bidders strictly in accordance with prescribed bidding procedures.

8. **TIME FOR COMPLETION:**

The time for completion for the Work is specified either in the Supplemental Instructions to Bidders or Summary of the Work in the Specifications.

9. **DELIVERY OF BIDS:**

   a. Bids will be received until the time set, and at the location designated, in the Advertisement for Bids unless notice is given of postponement. No bid will be accepted or considered which has not been received prior to the time set for opening bids.

   b. Each bid shall be placed, together with the bid guaranty, in a sealed envelope. On the outside of the envelope the bidder shall write in large letters “Proposal”, below which the bidder shall write the name of the Work bid on, the name of the bidder, and the bidder’s current general contractor’s state license number. Failure to include the bidder’s Alabama General Contractor’s license number on the outside of the bid envelope will result in returning the envelope unopened.

   c. Bids may be delivered in person or by mail if ample time is allowed for delivery. When sent by mail, preferably special delivery or registered, the sealed envelope containing the bid, marked as indicated above, shall be enclosed in another envelope for mailing. Bidder bears the sole responsibility for ensuring that its bid is delivered to the place and prior to the submission deadline specified in the Advertisement for Bids.

10. **WITHDRAWAL OR REVISION OF BIDS:**

    a. A bid may be withdrawn prior to the time set for opening of bids, provided a written request to withdraw its bid, executed by the bidder or the bidder’s “authorized representative”, is filed with the Awarding Authority prior to that time. If a timely request to withdraw bid is received, the bid will then be returned to the bidder unopened.

    b. A bid which has been sealed in its delivery envelope may be revised by writing the amount of the change in price on the outside of the delivery envelope over the signature of the bidder or the bidder’s “authorized representative” if done so prior to the time set for opening bids. In revising the bid in this manner, the bidder must only write the amount of the change in price on the envelope and must not reveal the bid price.

    c. Written communications, signed by the bidder or its “authorized representative”, to revise bids will be accepted if received by the Awarding Authority prior to the time set for opening bids. The Awarding Authority will record the instructed revision upon opening the bid. Such written communication may be by facsimile if so stipulated in Supplemental Instructions to Bidders. In revising the bid in this manner, the bidder must only write the amount of the change in price and must not reveal the bid price.

    d. Except as provided in Article 13 of these Instructions to Bidders, no bid shall be withdrawn, modified, or corrected after the time set for opening bids.

11. **OPENING OF BIDS:**

    Bids will be opened and read publicly at the time and place indicated in the Advertisement for Bids. Bidders or their authorized agents are invited to be present.

12. **IRREGULAR PROPOSALS:**

    Bids may be rejected if they are incomplete or contain any uninitialed alterations or erasures, additions, conditional bids, alternate bids unless called for, or irregularities of any kind.
13. ERRORS IN BID:
   a. Errors and Discrepancies in the Proposal form
      In case of error in the extension of prices in bids, the unit price will govern. In case of discrepancy between the prices shown in the figures and in words, the words will govern.
   b. Mistakes within the Bid
      If the low bidder discovers a mistake in its bid, the low bidder may seek withdrawal of its bid without forfeiture of its bid guaranty under the following conditions:
      (1) Timely Notice: The low bidder must notify the Awarding Authority and Designer in writing, within three working days after the opening of bids, that a mistake was made. This notice must be given within this time frame whether or not award has been made.
      (2) Substantial Mistake: The mistake must be of such significance as to render the bid price substantially out of proportion to the other bid prices.
      (3) Type of Mistake: The mistake must be due to calculation or clerical error, an inadvertent omission, or a typographical error which results in an erroneous sum. Mistakes of law, judgment, or opinion are specifically excluded from these criteria.
      (4) Documentary Evidence: Clear and convincing documentary evidence of the mistake must be presented to the Awarding Authority and the Designer as soon as possible, but no later than three working days after the opening of bids.
      The Awarding Authority’s decision regarding a low bidder’s request to withdraw its bid without penalty shall be made within 10 days after receipt of the bidder’s evidence. Upon withdrawal of bid without penalty, the low bidder shall be prohibited from:
      (1) Doing work on the project as a subcontractor or in any other capacity.
      (2) Bidding on the same project if it is re-bid.

14. DISQUALIFICATION OF BIDDERS:
   Any bidder(s) may be disqualified from consideration for contract award for the following reasons:
   a. Collusion:
      Any agreement or collusion among bidders or prospective bidders in restraint of freedom of competition to bid at a fixed price or to refrain from bidding or otherwise shall render the bids void and shall cause the bidders or prospective bidders to be disqualified from submitting further bids to the Awarding Authority on future lettings.
   b. Advance Disclosure:
      Any disclosure in advance of the terms of a bid submitted in response to an Advertisement for Bids shall render the proceedings void and require re-advertisement and re-bid.
   c. Failure to Settle Other Contracts:
      The Awarding Authority may reject a bid from a bidder who has not paid, or satisfactorily settled, all bills for labor and material on other contracts in force at the time of letting, completion of punch list, warranties and closeout documents.
15. **CONSIDERATION OF BIDS:**
After the bids are opened and read publicly, the bid prices will be compared and the results of such comparison will be made public. Until the final award of the Contract, however, the Awarding Authority reserves the right to reject any and all bids and to waive technical errors if, in its judgment, the best interests of the Awarding Authority will be promoted.

16. **DETERMINATION OF LOW BIDDER BY USE OF ALTERNATES:**
The Awarding Authority may request alternate bid prices (alternates) to facilitate either reducing the base bid to an amount within the funds available for the project or adding items to the base bid within the funds available for the project. Alternates, if any, are listed in the Proposal Form in the order in which they shall cumulatively deduct from or add to the base bid for determining the lowest bidder.

If the base bid of the lowest bidder exceeds the funds available and alternate bid prices will reduce the base bids to an amount that is within the funds available, the lowest bidder will be determined by considering, in order, the fewest number of the alternates that produces a price within the funds available. If the base bid of the lowest bidder is within the funds available and alternate bid prices will permit adding items to the base bid, the lowest bidder will be determined by considering, in order, the greatest number of the alternates that produces a price within the funds available.

After the lowest bidder has been determined as set forth above, the Awarding Authority may award that bidder any combination of alternates, provided said bidder is also the low bidder when only the base bid and such combination of alternates are considered.

17. **UNIT PRICES:**
a. **Work Bid on a Unit Price Basis:**

   Where all, or part(s), of the planned Work is bid on a unit price basis, both the unit prices and the extensions of the unit prices constitute a basis of determining the lowest responsible and responsive bidder. In cases of error in the extension of prices of bids, the unit price will govern. A bid may be rejected if any of the unit prices are obviously unbalanced or non-competitive.

   (1) Bidder may not make changes to the unit price bid schedule form as follows:

   (a) Add new line items or delete existing ones

   (b) Change the units of measure

   (c) Change the quantity

   (2) All unit prices must include all work associated with that particular unit including but not limited to labor, materials, equipment, shipping work, overhead, insurance, bonds, and profit incidental to the finished work of that particular unit.

b. **Unit Prices for Application to Change Orders:**

   As a means of predetermining unit costs for changes in certain elements of the Work, the bid documents may require that the bidders furnish unit prices for those items in the Proposal Form. Unit prices for application to changes in the work are not a basis for determining the lowest bidder. Non-competitive unit prices proposed by the successful bidder may be rejected or negotiated by the Awarding Authority prior to contract award. Unit prices for application to changes in the work are not effective unless specifically included and agreed upon in the Construction Contract.

18. **AWARD OF CONTRACT:**
a. The contract shall be awarded to the lowest responsible and responsive bidder unless the Awarding Authority finds that all the bids are unreasonable or that it is not to the interest of the Awarding Authority to accept any of the bids. A responsible bidder is one who, among other qualities determined necessary for performance, is
competent, experienced, and financially able to perform the contract. A responsive bidder is one who submits a bid that complies with the terms and conditions of the Advertisement for Bids and the bid documents. Minor irregularities in the bid shall not defeat responsiveness.

b. A bidder to whom award is made will be notified by telegram, confirmed facsimile, or letter to the address shown on the Proposal Form at the earliest possible date. Unless other time frames are stipulated in Supplemental Instructions to Bidders, the maximum time frames allowed for each step of the process between the opening of bids and the issuance of an order to proceed with the work shall be as follows:

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>Award of contract by Awarding Authority 60 calendar days after the opening of the bids</td>
</tr>
<tr>
<td>(2)</td>
<td>Contractor's return of the fully executed contract, with bonds and evidence of insurance, to the Awarding Authority 15 calendar days after the Construction Contract has been presented to the Contractor for signature</td>
</tr>
<tr>
<td>(3)</td>
<td>Awarding Authority’s approval of the Contractor’s bonds and evidence of insurance and completion of contract execution 20 calendar days after the Contractor presents complete and acceptable documents to the Designer</td>
</tr>
<tr>
<td>(4)</td>
<td>Notice to Proceed issued to the Contractor 15 calendar days after final execution of Construction Contract by the Awarding Authority, and by the Governor if his or her signature on the contract is required by law</td>
</tr>
</tbody>
</table>

The time frames stated above, or as otherwise specified in the bid documents, may be extended by written agreement between the parties. Failure by the Awarding Authority to comply with the time frames stated above or stipulated in Supplemental Instructions to Bidders, or agreed extensions thereof, shall be just cause for the withdrawal of the Contractor’s bid, and contract, without forfeiture of bid security.

c. Should the successful bidder or bidders to whom the contract is awarded fail to execute the Construction Contract and furnish acceptable Performance and Payment Bonds and evidence of insurance within the specified period, the Awarding Authority shall retain from the bid guaranty, if it is a cashier’s check, or recover from the principal or the sureties, if the guaranty is a bid bond, the difference between the amount of the contract as awarded and the amount of the bid of the next lowest bidder, but not to exceed the guaranty amount. If no other bids are received, the full amount of the bid guaranty shall be retained or recovered as liquidated damages for such default. Any sums so retained or recovered shall be the property of the Awarding Authority.

d. All bid guaranties, except those of the three lowest bona fide bidders, will be returned immediately after bids have been checked, tabulated, and the relation of the bids established. The bid guaranties of the three lowest bidders will be returned as soon as the contract bonds and the contract of the successful bidder have been properly executed and approved. When the award is deferred for a period of time longer than 15 days after the opening of the bids, all bid guaranties, except those of the potentially successful bidders, shall be returned. If any potentially successful bidder agrees in writing to a stipulated extension in time for consideration of its bid, the Awarding Authority may permit the potentially successful bidder to substitute a satisfactory bidder’s bond for the cashier’s check submitted with its bid as a bid guaranty.
e. If no bids or only one bid is received, the Awarding Authority may either re-advertise for bids or direct that the Work shall be done by force account under its direction and control, or negotiate for the Work through the receipt of informal bids not subject to the requirements of Title 39-2-6, Code of Alabama (1975).

19. **APPROVAL OF CONTRACT:**

   No Contract is binding upon the Awarding Authority until it has been executed by the Awarding Authority and successful bidder and copies delivered.

20. **ASSIGNMENT OF CONTRACT AWARD:**

   No contract awarded to the lowest responsible and responsive bidder shall be assignable by the successful bidder without written consent of the Awarding Authority, and in no event shall a contract be assigned to an unsuccessful bidder whose bid was rejected because he or she was not a responsible or responsive bidder.

END OF INSTRUCTIONS TO BIDDERS
SUPPLEMENTAL INSTRUCTIONS TO BIDDERS

A. NAMING OF SUBCONTRACTORS AND SUPPLIERS

For certain projects, the Owner may require a list of subcontractors/suppliers to be designated with the bid submittal. Unless otherwise designated in the bid documents, this bid proposal form will have spaces to list these subcontractors/suppliers. The Contractor must utilize those subcontractors and suppliers turned in with their Bid, unless they can demonstrate to the Owner’s satisfaction a compelling reason to change any of those named. Upon request from the Owner, Bidder shall produce written confirmation from the originally designated subcontractor or supplier consenting to the change. For each subcontractor trade or supplier required for the base bid, bidders shall name only one entity.

Where the technical specifications give a list of, and the University requires the use of a specialty subcontractor (or other term which means a firm or company who is currently engaged in that trade as their primary work trade), one must be named on the bid proposal form and employed on the project at no additional cost to the Owner.

Should the prime contractor bidder be one who regularly performs one or more of the specialty trades/subcontracts with its own forces, the prime contractor bidder shall list itself, provided it can demonstrate without question to the Owner and the Architect that it performs this specific trade/specialty on a regular basis, utilizing skilled, experienced tradespersons who are on the full time payroll of the prime, and that it has the licensed to do so. Furthermore, the prime must submit proof, when requested by the University, that it has completed a substantial number (ten or more) of similar projects, requiring similar specialty trades during the past two years, using its own forces. (Refer to the General Conditions for other requirements)

Failure to submit this list of subcontractors and suppliers in full with the Bid Proposal Form may render bidder's bid non-responsive.

B. ADDITIONAL SUBMITTALS WITHIN 48 HOURS OF RECEIPT OF BIDS

The apparent low bidder shall submit to the Owner and the Architect on the bidder's letterhead, a complete list of all major subcontractors and all suppliers, including those submitted with their bid. Major subcontractors and suppliers include, but are not limited to sitework/utilities, irrigation/landscaping, masonry, roofing, fire protection, HVAC, plumbing, and electrical. The Owner reserves the right to require additional trades and/or suppliers to be included. This list shall be on contractor's letterhead and include subcontractor's/supplier's name, contact person with their email address, and Alabama license number (unless supplier).

C. PREQUALIFICATION OF PRIME CONTRACTORS & SUBCONTRACTORS

1. As referenced in Article 2.c and 2.d. of the Instructions to Bidders, the awarding authority may elect to pre-qualify all general contractors and subcontractors listed: sitework/utilities subcontractors, irrigation/landscaping subcontractors, masonry subcontractors, roofing subcontractors, fire protection subcontractors, mechanical/plumbing subcontractors, and electrical subcontractors.

2. A list of prequalified general contractors and subcontractors which require no further prequalification by the Owner are listed in item 5 below.

3. The University decides to prequalify contractors on a “per project” basis. Each projects’ advertisement will state if that project is prequalifying and, if so, which disciplines. Information in the advertisement will tell who to contact to receive a “Prequalification Packet” and the deadline to return said packets. General Contractors can get an updated list of subcontractors, when needed, by contacting the UA Project Manager for the project they are interested in bidding.
4. If a project has one main trade, the University may elect to allow one or more of the subcontractors listed below in that trade to bid as a Prime Contractor for that trade-specific project. Such subcontractor would have to meet all the licensing requirements of Title 34, Chapter 8, Code of Alabama.

5. The following list, updated February 12, 2021, includes all companies considered to be prequalified at this time without any further action:

**General Contractors Unlimited**
B L Harbert International, LLC – Birmingham, AL  
Bailey-Harris Construction Company, LLC – Auburn, AL  
Caddell Construction Co., LLC – Montgomery, AL  
Harrison Construction Company, Inc. - Northport, AL  
WAR Construction, Inc. - Tuscaloosa, AL

**General Contractors Limited**
Bob Morrow Construction Co., Inc. – Tuscaloosa, AL ($5,000,000)  
Cornerstone Restoration, Inc. – Helena, AL ($1,000,000)  
Crimson Eagle, Inc. – Tuscaloosa, AL ($250,000)  
Duncan & Thompson Construction Services, LLC – Birmingham, AL ($10,000,000)  
Hall-Taylor Construction Company, Inc. – Tuscaloosa, AL ($10,000,000)  
K&A Builders, Inc. – Tuscaloosa, AL ($10,000,000)  
Kyser Construction, LLC – Tuscaloosa, AL ($5,000,000)  
RCI Contractors & Engineers, Inc. – Tuscaloosa, AL ($500,000)  
Snow-Blakeney Construction, Inc. – Tuscaloosa, AL ($500,000)  
B. G. Watkins Construction, Inc. – Tuscaloosa, AL ($500,000)

**Demolition and Abatement**
Alabama Restoration and Remediation, LLC – Tuscaloosa, AL  
MAK Environmental, LLC – Northport, AL

**Electrical**
A & B Electric Company, Inc. - Tuscaloosa, AL  
Bright Future Electric, LLC – Birmingham, AL  
Marathon Electrical Contractors, Inc. - Birmingham, AL  
Mills Electric, Inc. - Tuscaloosa, AL  
Patco Electrical Contractors, Inc. – Tuscaloosa, AL  
Premier Service Company, Inc. - Tuscaloosa, AL  
Taylor Electrical Contractors, Inc. – Tuscaloosa, AL  
Trinity Contractors, Inc. – Trussville, AL

**Fire Protection**
Central Fire Protection, Inc. – Homewood, AL  
International Fire Protection, Inc. - Irondale, AL  
United States Sprinkler, Inc. – Birmingham, AL

**Heating, Ventilation and Air Conditioning (HVAC)**
Adkins and Kimbrough Mechanical, LLC – Bessemer, AL  
Bradley Plumbing and Heating, Inc. – Montgomery, AL  
Burkes Mechanical, Inc. - Brent, AL

(continued)
Comfort Systems USA Mid South, Inc. – Birmingham, AL
Hardy Corporation – Birmingham, AL
Jolly Heating and Air Conditioning, Inc. – Northport, AL
McAbee Construction, Inc. - Tuscaloosa, AL
McKelvey Mechanical, Inc. - Tuscaloosa, AL
P&M Mechanical, Inc. – Mt. Olive, AL
Premier Service Company, Inc. – Tuscaloosa, AL
Southern Air, Inc. – Tuscaloosa, AL
Trinity Contractors, Inc. – Trussville, AL

Landscape / Irrigation
GLS, LLC (Guthrie Landscape Services) - Tuscaloosa, AL
GradeScape, Inc. – Northport, AL
Landscape Workshop, LLC – Bessemer, AL
Vision Landscape, Inc. – Irondale, AL

Masonry
Burrows Masonry Contractors, Inc. – Florence, AL
Flurry Masonry, LLC – Pell City, AL
Jones Masonry Construction, Inc. – Tuscaloosa, AL
Masonry Arts, Inc. – Bessemer, AL
Selective Masonry, Inc. – Birmingham, AL

Plumbing
Adkins and Kimbrough Mechanical, LLC – Bessemer, AL
Bradley Plumbing and Heating, Inc. – Montgomery, AL
Comfort Systems USA Mid South, Inc. – Birmingham, AL
Hardy Corporation – Birmingham, AL
Jimmy Hall Plumbing Company, Inc. - Tuscaloosa, AL
John Wayne Plumbing & Drain Services Company, Inc. – Tuscaloosa, AL
McAbee Construction, Inc. - Tuscaloosa, AL
P&M Mechanical, Inc. – Mt. Olive, AL
Turner Plumbing, Inc. – Tuscaloosa, AL

Roofing
Alabama Roofing & Sheet Metal Co., Inc. - Anniston, AL
All-South Subcontractors, Inc. - Birmingham, AL
Deason Roofing & Sheet Metal Contractors, Inc. – Tuscaloosa, AL
Johns and Kirksey, Inc. - Tuscaloosa, AL
Quality Roofing Contractors – Huntsville, AL
Standard Roofing of Montgomery, Inc. – Montgomery, AL

Sitework / Utilities
Ballard Contractors, Inc. – Moundville, AL
Chilton Contractors, Inc. – Clanton, AL
CivilWorx Construction, LLC – Tuscaloosa, AL
Cornerstone Civil Contractors, LLC - Tuscaloosa, AL
Dominion Construction Company, Inc. – Duncanville, AL
GFC Construction, Inc. - Duncanville, AL

(continued)
John Plott Company, Inc. – Tuscaloosa, AL
L&D Moore Contracting, LLC – Tuscaloosa, AL
Price Civil Services, Inc. – Vance, AL
Price Construction Company, Inc. – Tuscaloosa, AL
Russo Corporation – Birmingham, AL
Ryan Shirley, Inc. – Tuscaloosa, AL

END OF SUPPLEMENTAL INSTRUCTIONS TO BIDDERS
FORM OF BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned,
________________________________________

Name and Address of Bidder
________________________________________

Name and Principal Place of Business of Surety

are hereby held and firmly bound unto THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA hereinafter called the Owner in the sum of five percent (5%) of the amount of bid but in no event more than Ten thousand Dollars ($10,000) for the payment of which sum, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to the Owners a certain Bid, attached hereto and hereby made a part hereof, to enter into a contract in writing, for the,

Project Name and UA Project Number

NOW, THEREFORE,

a. If said Bid shall be rejected, or, in the alternate,
b. If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Agreement attached hereto and shall execute and deliver Performance and Payment Bonds in the Forms attached hereto (all properly completed in accordance with said Bid), and shall in all other respects perform the agreement created by the acceptance of said Bid,

Then, this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all default of the Principal hereinaunder shall be the amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and said Surety does hereby waive notice of such extension.

IN WITNESS WHEREOF, the above-bounded parties have executed this instrument under their several seals this ______ day of ________ 20____ the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Principal

By____________________________________

Witness

Name and Title (Affix Seal)

Surety

By____________________________________

Witness

Name and Title (Affix Seal)
BID PROPOSAL FORM

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA

BID PROPOSAL FOR:

c/o Contract Administration
405 Cahaba Circle
Tuscaloosa, Alabama 35404

The Undersigned, as Bidder, hereby declares that the only person or persons interested in the Proposal as Principals is or are as herein named and that no other person than herein named has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company, or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The Bidder further declares that he has examined the site of the work, and informed himself fully in regard to all conditions pertaining to the place where the work is to be done, and that he has examined the Drawings and Specifications, including Addenda Nos._______________________ for the work and the other Contract Documents relative thereto, and that he has satisfied himself relative to the work to be performed.

The Bidder certifies by submitting this bid that they are in full compliance with the Code of Alabama, Section 39-3-1 and 39-3-4 and agrees to provide domestic products if the same are available at reasonable and competitive prices. The Bidder further certifies and agrees that if foreign made materials prices have been used as the basis of the bid because domestic products are not available at a reasonable and competitive price, there has been a downward adjustment in contract price equal to any realized savings or benefit to the Bidder and the foreign materials utilized are of an equal or greater quality.

The Bidder certifies by submitting this bid that they are in full compliance with State of Alabama Act No. 2006-557, that they are not barred from bidding or entering into a contract pursuant to Section 41-4-116, Code of Alabama 1975, and that they acknowledge that the Awarding Authority may declare the bid and/or contract void if the certification is false.

The Bidder further declares that he is aware of the tax exempt status of the Owner and that sales/use/severance taxes are excluded from the amount of the bid. The Owner may elect to enter into a “Purchasing Agent Agreement” as described in the Contract Documents.

In compliance with your Advertisement for Bids dated ________________________and subject to all the conditions thereof, the undersigned ________________________________

Alabama General Contractor’s License #________________

Classification ________________________, A corporation organized and existing under the Laws of the State of ____________________.

A Partnership consisting of ______________________________________________________

Or an Individual trading as ___________________of the City of _________________________

Hereby proposed to furnish all labor and materials and perform all work required for the construction of ______________________________________________________________
in accordance with Drawings and Specifications.
BASE BID: For construction complete as shown and specified, the sum of ________________ 

ESTIMATED SALES TAX: $__________________________

Required Listing of Subcontractors/Suppliers: N/A

List the subcontractors/suppliers for the trades listed below which you intend to use for the base bid. If no trades are designated, the listing is not required. List yourself for work you intend to self-perform. Any envelope adjustments to this section must be initialed by the bidder. Failure to complete this section may render your bid non-responsive. See Supplemental Instructions to Bidders for additional information.

(List requested trades here, if any)

To be filled out if cashier’s check accompanies bid:

The undersigned further agrees that in case of failure on his part to execute the Contract Agreement and required Contract Bonds within fifteen (15) consecutive calendar days after being given written notice of the Award of the Contract, the check accompanying this Bid and the monies thereon shall be paid into the funds of THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA, a corporation as liquidated damages for such failure; otherwise the check accompanying this Proposal shall be returned to the undersigned.

Attached hereto is a cashier’s check on the __________________________________________

(Institution Name)

for the sum of ____________________________________________________________________ Dollars

($__________________________).

To be filled out if bidder’s bond accompanies bid:

The undersigned further agrees that in case of failure on his part to execute the Contract and Required Contract Bonds within fifteen (15) consecutive calendar days after being given written Notice of the award of the Contract, the Bidder’s Bond accompanying this Bid is callable and the Surety will be called upon the Owner(s) for the liquidation; otherwise said Bidder’s Bond shall be returned to the undersigned.

Attached hereto is a bidder’s bond of _______________________________________________

(Bonding Company)
for the sum of ___________________________________________________________ Dollars

($) __________________ made payable to THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA, a corporation.

The full names and residences of persons and firms submitting the bid as Principles are as follows: (must be signed to be a valid bid proposal)

_________________________________   Date: ______________
Signature of Bidder

_________________________________
Title

_________________________________
Business Address
BOND FOR PERFORMANCE OF THE WORK

STATE OF ALABAMA  )  CITY OF TUSCALOOSA
COUNTY OF TUSCALOOSA )

KNOW ALL MEN BY THESE PRESENTS: That we ________________________________, as Principal, and ________________________________, as Surety, are held and firmly bound unto THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA hereinafter called the Owner, as their interests appear, in the penal sum of ________________________________ Dollars ($ ___________ ) for the payment of which sum well and truly to be made, we hereby bind ourselves, our heirs, executors, administrators, successors and assigns.

IN WITNESS WHEREOF, we have hereunto set out hands and affixed our seals this _____
______________ day of ____________, __________.

PROVIDED, HOWEVER, that the condition of this obligation is such that whereas the above bound PRINCIPAL entered into a certain Contract with said THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA for the (construction), (reconstruction) and (improvement) of ; ________________________________, Project No. __________
__________________________ a copy of the Contract Agreement therefore is hereto attached. Surety consents and agrees to be bound for any increase up to 10 percent of the amount of the attached Contract Agreement.

NOW, THEREFORE, in the event the said PRINCIPAL, as such Contractor, shall faithfully and promptly perform said Contract during the original term of said Contract and any extensions thereof that may be granted by the Owner, and all the conditions and requirements thereof, then this obligation shall be null and void and of no effect; otherwise to remain and be in full force and effect.

PROVIDED, further, that upon the failure of the said PRINCIPAL to promptly and efficiently prosecute said Work, in any respect, in accordance with the Contract Documents, the above bound ____________________ as Surety, shall take charge of said Work and complete the Contract at his own expense, pursuant to its terms, receiving, however, any balance of the funds in the hands of said THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA, a corporation (The Owner) due under said contract.

In the event said Principal shall fail or delay the prosecution and completion of said work and said Surety shall also fail to act promptly as hereinbefore provided, then the Owner may cause
ten (10) days’ notice of such failure to be given, either to said Principal or Surety, and at the expiration of said ten (10) days, if said Principal or Surety do not proceed promptly to execute said contract,

**THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA**

Shall have the authority to cause said Work to be done, and when the same is completed and the cost thereof estimated, the said Principal and Surety shall and hereby agree to pay any excess in the cost of said Work above the agreed price to be paid under said Contract.

Upon the completion of said Contract pursuant to its terms, if any funds remain due on said Contract, the same shall be paid to said Principal or Surety.

The said Principal and Surety further agree as part of this obligation to pay all such damages of any kind to person or property that may result from a failure in any respect to perform and complete said Contract.

The decision of said Owner, upon any question connected with the execution of said Contract, or any failure or delay in the prosecution of the Work by said Principal or Surety, shall be final and conclusive.

The Advertisement for Bids, Instructions to Bidders, Proposal, General Conditions of the Contract, Detailed Specification Requirements, Drawings, and the Contract Agreement hereinbefore referred to, and the Bond for the Payment of Labor, Materials, or Supplies executed under the provision of Chapter 1, Title 39, Alabama Code of 1975, are made a part of this obligation, and this instrument is to be construed in connection therewith.

IN WITNESS WHEREOF, the parties have executed this instrument under their several seals this ______ day of __________, ____, the name of corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

ATTEST:  

PRINCIPAL: 

BY: ____________________________  

(Name)  

(Address)  

(By: ____________________________  

Title)

SURETY: 

BY: ____________________________  

(Name)  

(Address)  

(By: ____________________________  

Title)

NOTE: Power of Attorney in connection with the above noted Surety Bond shall be furnished with the original Surety Bond.
BOND FOR PAYMENT
OF LABOR, MATERIALS, OR SUPPLIES

STATE OF ALABAMA ) CITY OF TUSCALOOSA
COUNTY OF TUSCALOOSA) )

KNOW ALL MEN BY THESE PRESENTS: That we ________________

______, as Principal, and ________________________________ as Surety, are
held and firmly bound unto THE BOARD OF TRUSTEES OF THE UNIVERSITY OF
ALABAMA hereinafter called the Owner, as their interests appear, in the penal sum of __________
_____________________________ Dollars ($__________) for the payment of which sum well and
truly to be made, we hereby bind ourselves, our heirs, executors, administrators, successors and
assigns.

IN WITNESS WHEREOF, we have hereunto set out hands and affixed our seals this
_____________day of ______________, _____

PROVIDED, HOWEVER, that the condition of this obligation is such that whereas the
above bound PRINCIPAL entered into a certain Contract with said THE BOARD OF TRUSTEES
OF THE UNIVERSITY OF ALABAMA for the construction of ;

_____________________________ U of A Project No. __________ ;

a copy of the Contract Agreement therefore is hereto attached. Surety consents and agrees
to be bound for any increase up to 10 percent of the amount of the attached Contract Agreement.

NOW, THEREFORE, in the event the said PRINCIPAL, as such Contractor, shall make
payment to all persons supplying him or them with labor, material, or supplies for or in the
prosecution of the Work provided for in said Contract and any and all modifications of said Contract
that may hereafter be made, then this obligation shall be null and void and of no effect; otherwise to
remain and be in full force and effect.

PROVIDED, further in the event that the said PRINCIPAL, as such Contractor, shall fail to
make prompt payment to all persons supplying him or them with labor, materials, or supplies for or
in the prosecution of the Work provided for in such Contract the above bound
_____________________________ as Surety shall be liable for the payment of such labor, materials, or
supplies and for the payment of reasonable attorney’s fees incurred by successful claimants or
plaintiffs in suits on said bond as provided in Chapter 1, Title 39, Alabama Code of 1975.
PROVIDED, further, that said Contractor and Surety hereby agree and bind themselves to the mode of service described in Chapter 1, Title 39, Alabama Code of 1975 and consent that such service shall be the same as personal service on said Contractor or Surety.

Upon the completion of said Contract pursuant to its terms, if any funds remain due on said Contract, the same shall be paid to said Principal or Surety.

The decision of the Owner, upon any question connected with the execution of said Contract, or any failure or delay in the prosecution of the Work by said Principal or Surety, shall be final and conclusive.

The Advertisement for Bids, Instructions to Bidders, Proposal, General Conditions of the Contract, Detailed Specification Requirements, and Drawings, and Contract Agreement hereinbefore referred to, and the Bond for Performance of the Work executed under the provisions of Chapter 1, Title 39, Alabama Code of 1975 are made a part of this obligation and this instrument is to be construed in connection therewith.

IN WITNESS WHEREOF, the parties have executed this instrument under their several seals this _________ day of ____________, ______, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

ATTEST:

__________________________________________

PRINCIPAL:

__________________________________________

Countersigned by Alabama Resident Agent for Surety:

BY: __________________________________________

(Title)

SURETY:

__________________________________________

__________________________________________

(Title)

NOTE: Power of Attorney in connection with the above noted Surety Bond shall be furnished with the original Surety Bond.
VENDOR DISCLOSURE STATEMENT

In compliance with the policies of The Board of Trustees of the University of Alabama, The University of Alabama System Office, this University, and with Alabama state law, this Disclosure Statement shall be completed on a per contract basis for all contracts, including but not limited to proposals, bids, and contracts, including consulting/professional service contracts unless otherwise exempted (“Agreements”). The Board of Trustees of The University of Alabama reserves the right to refuse to enter into or to cancel, without penalty, any contract or agreement with any entity or individual who does not provide all of the information requested below, or who makes false or incomplete disclosures.

Definitions
For the purposes of this form, the following terms shall have the following meanings:

- **“Agreement.”** Any single agreement, contract, memorandum of understanding, or grant document under which goods or services are to be provided by You.
- **“Entity.”** The corporation, partnership, sole proprietorship, individual or business of any kind in whose name or on whose behalf the goods or services are being provided to the University.
- **“Family Member.”** Your spouse, dependent, an adult child and his or her spouse, a parent, a spouse’s parents, and a sibling and his or her spouse. The term "Dependent" shall include any person, regardless of his or her legal residence or domicile, who receives more than 50 percent of his or her support from the public official or employee or his or her spouse, or who resides with the public official or employee for more than 100 days during the reporting period.
- **“Public Official.”** Any person elected to public office, whether or not that person has taken office, by vote of the people at state, county, or municipal level of government or their instrumentalities, including governmental corporations, and any person appointed to take a position at the state, county, or municipal level of government or their instrumentalities, including governmental corporations.
- **“Relationship.”** Limited to familial or business in nature, or a personal relationship that the existence of which creates a Conflict of Interest or the appearance of a Conflict of Interest that would require disclosure under Board Rule 106.
- **“UAS.”** The Board of Trustees of The University of Alabama, and its constituent divisions including The University of Alabama System Office, The University of Alabama, The University of Alabama at Birmingham, and The University of Alabama in Huntsville.
- **“You.”** Includes (1) the individual(s) or representative(s) of the Entity who (a) solicited the Agreement or (b) are responsible for managing the account or relationship with the University, and their partners or co-owners; and (2) any member of the of foregoing individuals' immediate family (that You know to have a direct familial relationship with a UAS employee or official or family member of a UAS employee or official).

1. Name of Entity and Individual Completing this Form (may be completed by an authorized account manager/representative)

   **Entity Name:**

   **Individual Name:**

   **Title:**

   **Address Line 1:**

   **Address Line 2:**

   **City, State, Zip:**

   **Telephone:**
2. **UAS Entity with which You propose an Agreement? (i.e. University, College, Department, etc.)**

3. **Describe the proposed Agreement:**
   - Goods and services to be provided: 
   - Grant or proposal number (if applicable): 
   - Amount or anticipated amount: 
   - Term: 
   - Is the proposed Agreement the result of a competitive bid process? **Yes** □ **No** □

4. **Have "You" (See definition above) or the Entity supplying the goods or services previously provided goods and/ or services to UAS within the current or last fiscal year?** **Yes** □ **No** □
   - If yes, please provide the following information for each other agreement for such goods and/or services.
     - Entity Providing Goods or Services: _____________________________________________________
     - Campus and Department: ____________________________________________________________
     - Type of Goods/Services: _____________________________________________________________
     - Amount Received: _________________________________________________________________
     - Entity Providing Goods or Services: _______________________________________________________
     - Campus and Department: ____________________________________________________________
     - Type of Goods/Services: ______________________________________________________________
     - Amount Received: __________________________________________________________________

If you need to provide further details on goods or services provided to UAS within the current or last fiscal year, please attach an addendum to this Disclosure Statement.

5. **Did the amount of goods and /or services identified in response to Question 4 total $1,000,000 or more?** □ **Yes** □ **No**

6. a. **Do You have a relationship with any UAS employee or Trustee who may directly or indirectly receive any benefit from the proposed Agreement, or whose family member or business may directly or indirectly benefit?** □ **Yes** □ **No**

   b. **Do You have a relationship with any Public Official who may directly or indirectly receive any benefit from the proposed Agreement, or whose family member or business may directly or indirectly benefit?** □ **Yes** □ **No**

   If you answered "Yes" to questions 6.a. and/or 6.b., please provide the following information for each UAS employee, Trustee, or Public Official with whom you have a relationship.

   - Name of UAS employee, Trustee, or Public Official: _______________________________________
   - Campus/department where employed or position held: ______________________________________
   - Nature of relationship: _______________________________________________________________
   - Potential Benefit: _________________________________________________________________
Name of UAS employee, Trustee, or Public Official: ______________________________________
Campus/department where employed or position held: ___________________________________
Nature of relationship: ______________________________________________________________
Potential Benefit: _________________________________________________________________

If you need to provide further information regarding UAS employee(s) or Trustee(s), or Public Officials with whom You have a Relationship, and who may directly or indirectly benefit from this Agreement, please attach an addendum to this Disclosure Statement.

7. Have any paid consultants, lobbyists, and/or Public Official assisted in obtaining the proposed Agreement?  □ Yes  □ No

If yes, please provide the following information for each consultant or lobbyist.

Name: _____________________________________________________________________
Address: ____________________________________________________________________

Name: _____________________________________________________________________
Address: ____________________________________________________________________

If you need to provide further information regarding paid consultants and/or lobbyists utilized to obtain the proposed Agreement, please attach an addendum to this Disclosure Statement.

8. List any current litigation or administrative action that has been filed within the last 3 years, either state or federal, related to public or higher education construction or finance that the contractor or others associated with the firm may have against them.

By signing below, I certify under oath and penalty of perjury that all statements on or attached to this form are true and correct to the best of my knowledge. By proposing or entering into an Agreement with UAS, I certify I am authorized to complete this form on behalf of the Entity in whose name or on whose behalf goods or services are being provided, and I further certify no employee or official of UAS, nor any of their family members or any business with which they may be associated, will receive a benefit from this contract, except as has been disclosed, in writing herein. I will promptly disclose any Relationship which may arise in the future, or any existing Relationship which may become known to me, and update this statement to disclose the same.

__________________________________________________________
Signature                     Date
GENERAL CONDITIONS

CHANGE LOG

It is the responsibility of the Bidder to read and familiarize themselves with these General Conditions prior to bidding a job since they will become a part of their contract. Occasionally, the University deems it necessary to make changes in the General Conditions. When we do so, we will list those changes on this page along with the date of the change. Once a particular change has been shown on this page for six (6) months we will drop it from this page. This page is being done for the convenience of the Bidder only and in no way shall the University be responsible for any inadvertent change being left off this page. It is the responsibility of the Bidder to read the General Conditions and capture changes. **The Bidder is always responsible for reading and understanding the General Conditions prior to bidding.**

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1. **CONTRACT DOCUMENTS:**

The contract consists of the following CONTRACT DOCUMENTS, including all additions, deletions and modifications incorporated therein before the execution of the Contract Agreement:

A. **STATUTORY AND PROCEDURAL DOCUMENTS:**

1. Advertisement for Bids (Invitation for Bids)
2. Instructions to Bidders (Information for Bidders)
3. Bid Proposal (Bid Form)
4. Bid Guaranty (As required by Article 6 of Instructions to Bidders)
5. Contract Agreement for Construction Form
6. Contract Bonds (Performance and Material Bond Forms as required by Article 32 of General Conditions of Contract)
7. Evidence of Insurance

B. **GENERAL CONDITIONS OF THE CONTRACT**

C. **DETAILED SPECIFICATION REQUIREMENTS**

D. **DRAWINGS**

2. **DEFINITIONS, INTENT, CORRELATIONS, AND STREAMLINING:**

A. **DEFINITIONS:**

   Wherever the following abbreviations and terms, or pronouns in place of them, are used in the Contract Documents, the intent and meaning shall be as interpreted as follows:

1. **AWARDING AUTHORITY OR OWNER:** The Board of Trustees of The University of Alabama, a corporation, the Party of the First Part to the Contract Agreement, acting through its authorized representatives.

2. **BID:** The written offer for the Work contemplated, made out and submitted by the Bidder in the required manner, on the prescribed Bid Proposal Form, property signed, and guaranteed.

3. **BIDDER:** The person or persons, firm, partnership, association, corporation, or combination thereof, submitting a Bid for the Work, or any portion thereof, acting directly or through a duly authorized representative who has met the licensing requirements for general contracting as required by Title 34, chapter 8, Code of Alabama (1975), as amended.

4. **COMMISSION:** The Alabama Department of Finance – Division of Construction Management, or any agency that may be designated by the Legislature as its successor.
5. CONTRACT AGREEMENT: The written Contract Agreement for Construction executed between the Awarding Authority and the successful Bidder, covering the performance of the Work, by which the Contractor is bound to perform the Work and to furnish the labor, materials, and equipment under the terms of the Contract Documents, and by which the Awarding Authority is obligated to compensate the Contractor therefore at the mutually established and accepted rate or price, or as hereinafter provided.

6. CONTRACT BONDS: The approved bonds, required by Chapter 1, Title 39, Code of Alabama (1975), as amended, and furnished by the Contractor and its Surety to guarantee both completion of the Contract in accordance with the Contract Documents and prompt payment to all persons supplying labor, materials, supplies, etc.

7. CONTRACTOR: The person or persons, company, firm, partnership, association, corporation, limited liability company, cooperative or combination thereof, the Party of the Second Part to the Contract Agreement, acting directly or through its agents or employees.

8. DESIGNER: The professional person, firm, association, or corporation who, having met requirements of Title 34, Code of Alabama (1975), as amended, has indicated by seal or signature and license number that full responsibility has been accepted for the design, and who has been employed by the Awarding Authority, or in case of the termination of his employment, his successor designated by the Awarding Authority, to furnish the drawings and specifications in the Contract Documents.

9. DIRECTOR: The Director, Technical Staff, or the Alabama Department of Finance – Division of Construction Management, acting either upon his own initiative or through the Project Manager or other duly authorized Supervisors and Inspectors, acting severally within the scope of the particular duties entrusted to them or the authority given them.

10. MODIFICATIONS OF THE GENERAL CONDITIONS: Changes or modifications of the parts of these General Conditions.

11. NOTICE TO PROCEED: A proceed order issued by the Awarding Authority, within fifteen (15) days after final execution of the Contract Agreement, unless both parties agree in writing to a stipulated extension in time for the issuance of a proceed order, fixing the time within which the Contractor shall begin the prosecution of the Work.

12. SUPPLEMENTAL GENERAL CONDITIONS: Additional special or general requirements that are necessary and peculiar to the particular project and which are not included in the parts of these General Conditions.

13. SPECIFICATIONS: The general term comprising the Statutory and Procedural Documents, General Conditions of the Contract, the detailed Specification requirements, together with all modifications thereof and all Addenda thereto.
14. SUBCONTRACTOR: Any properly qualified individual, firm, association, or corporation undertaking the performance of any part of the Work under the terms of the Contract Documents by virtue of any agreement between the Subcontractor and the Contractor with the prior written approval of the Awarding Authority.

15. SURETY: The corporate body, licensed under the laws of Alabama, bound with and for the Contractor for the full and complete performance of the Contract and also for the payment of all claims recoverable under the Contract Bonds.

16. THE PROJECT: The total work described in the Contract Documents.

17. THE WORK: The work shall mean whatever is done or required of the Contractor to perform and complete its duties under the Contract Documents including, without limitation, the following: construction of the whole or designated part of the Project; furnishing of any required surety bonds and insurance; and the provision or furnishing of all labor, supervision, services, materials, supplies, equipment, fixtures, appliances, facilities, tools, transportation, storage, power, permits and licenses required of the Contractor, fuel, heat light cooling and all other utilities as required by the Contract Documents.

B. INTENT:

The intent of the Contract Documents is to include all labor, supplies, materials, water, fuel, tools, equipment, plants, utility and transportation services, and all other incidental services and expenses necessary or required for the complete, correct, proper and timely execution of the Work.

C. CORRELATION:

1. ORDER OF PRECEDENCE: Should any discrepancy arise between the various elements of the Contract Documents, precedence shall be given the same in the following order:

   (a) The Contract Agreement
   (b) The detailed Specifications requirements
   (c) Details appearing on the Drawings
   (d) The Working Drawings

2. WORDS AND TERMS: Words used in the documents will be given their usual and common meaning unless, from the entire Contract, it is clear that some other meaning was intended. Words describing material and work which have a well known technical meaning or trade meaning, unless specifically defined in the Contract Documents will be construed in accordance with such well known meaning recognized by architects, engineers, and the trade. Technical terms will be construed in a technical sense, and a specifically widely adopted trade meaning afforded certain terminology will be taken into account in any interpretation containing such terminology.
3. GENERAL AND SUPPLEMENTAL GENERAL CONDITIONS: Where both General and Supplemental General Conditions relate to the same thing, the Supplemental General Conditions will prevail; that is, the specific language will take precedence over the more general wording; however where both the General and Supplemental General Conditions may be given reasonable effect, both are to be retained.

4. PRINTING, TYPING, AND WRITING: When a printed portion of the Contract Documents cannot be reconciled with a typewritten portion, the latter will prevail. Various types of duplicating processes will be considered typewriting instead of printing. Also, if one is typewritten and the other written in longhand, the one written in longhand will govern. Likewise, written numbers will govern.

Written specifications will take precedence over drawings. If a correction is made in specifications or on a drawing and the original conflicting statement is not crossed out, then the revision, written in or drawn in, will be considered what was meant.

Obvious clerical or drafting errors or omissions revealed by perusal of the Contract Documents as a whole will be discounted in determining the intent of the parties, insofar as this may be accomplished without contravention or legal principles or public policy.

5. DRAWINGS AND SPECIFICATIONS: The intent of the Specifications is to outline or indicate in items of work that cannot readily be shown of the Drawings and, further, to indicate types and qualities of materials and workmanship. Drawings and Specifications will be considered complementary, and items of work mentioned or indicated on one and not on the other shall be included as if mentioned in both, except items definitely noted “Not in Contract” or marked “N.I.C.”

6. CONTRACTOR’S CHECK: Prior to the execution of the Work, the Contractor shall carefully read, examine, and study the Drawings and Specifications and shall immediately report all ambiguities, inconsistencies, conflict, errors, discrepancies, deviations from industry standards or from manufacturer’s recommendations, and/or omissions discovered therein by letter to the Awarding Authority. All such ambiguities, inconsistencies, conflicts, errors, discrepancies, deviations from industry standards or from manufacturer’s recommendations, and/or omissions will be adjusted by the Awarding Authority who will notify the Contractor. Any adjustments made by the Contractor without prior approval will be at Contractor’s own risk, and the settlement of any complications arising from such adjustment will be at Contractor’s own expense.

7. EXPLANATIONS: Any doubt as to the meaning of the Drawings or Specifications, or any obscurity as to the wording of them, will be explained by the Awarding Authority and all directions and explanations requisite or necessary to complete, explain or make definite any of the provisions of the Specifications and Drawings and give them due effect, will be given by the Awarding Authority in writing.
D. STREAMLINING:

1. OMISSION OF WORDS AND PHRASES: The detailed Specification requirements are of abbreviated or “Streamlined” type and include incomplete sentences in order to avoid cumbersome and confusing repetition of expression. Omissions of words or phrases such as “the Contractor shall,” “in conformity therewith,” “as noted,” “as indicated on the Drawings,” or “according to the Drawings,” are intentional. Omitted words or phrases will be supplied by inference. Wherever in the Specifications or upon the Drawings, APPROVED, AUTHORIZED, CONTEMPLATED, CONSIDERED NECESSARY, DEEMED NECESSARY, DESIGNATED, DIRECTED, GIVEN, ORDERED, PERMITTED, PRESCRIBED, REQUIRED, or words of like import are used, they shall be construed to mean and intended “by the Awarding Authority,” and similarly, the words ACCEPTABLE, SATISFACTORY, or words of the like import shall be construed to mean acceptable to or satisfactory “to the Awarding Authority”, unless otherwise expressly stated or the Contract clearly indicates another meaning.

Words “furnish,” “install,” “perform,” “provide,” and “work” shall mean that the Contractor shall furnish, install, perform, provide, and connect up complete in operative condition and use all materials, equipment, apparatus, and required appurtenances of the particular item to which it has reference.

2. APPLICABLE PUBLICATIONS: References to standard specifications, associations, bureaus, organizations, or industries, and the like, shall mean the latest edition of such references adopted and published at date of the Advertisement for Bids.

3. ADDITIONAL DETAIL DRAWINGS AND INSTRUCTIONS:

Further information and instructions may be issued and transmitted to the Contractor by the Awarding Authority during the progress of the Work by means of additional detail drawings, or otherwise as deemed necessary to make more clear or specific the Drawings and Specifications in the Contract Documents, when and as required by the Work. All such drawings and instructions shall be consistent with the Contract Documents, true developments thereof, and reasonably inferable therefrom.

Any ambiguities, inconsistencies, conflicts, errors, omissions, deviations from industry standards or from manufacturer’s recommendations, and/or discrepancies found between the Drawings and Specifications and site conditions shall be immediately reported in writing to the Awarding Authority who will promptly correct the same in writing. Any work done by the Contractor after its discovery of such ambiguities, inconsistencies, conflicts, discrepancies, errors, or omissions, and prior to receipt of written clarification or correction, shall be done at Contractor’s own risk.

In case of a difference between small and large scale drawings, the large scale drawings shall govern.

Where, on any of the drawings, a portion of the Work is drawn out and the remainder is indicated in outline, the parts drawn out shall apply also to all other portions of the Work.
Where the word “similar” occurs on the Drawings, it shall be interpreted in its general sense and not as meaning identical, and all details shall be worked out in relation to their location and their connection with other parts of the Work.

If the Contractor considers that any work is required in a manner to make it impossible to produce first-class work, or should ambiguities, inconsistencies, conflicts, errors, omissions, deviations from industry standards or from manufacturer’s recommendations and/or discrepancies appear in or between any of the Contract Documents; the Contractor shall request interpretation, clarification, or correction before proceeding with such work. If Contractor fails to make such a request, no excuse will thereafter be entertained by the Awarding Authority for Contractor’s failure to execute and complete the work in a correct and satisfactory manner.

Contractor shall have a continuing duty to read, carefully study, and compare each of the Contract Documents, the Shop Drawings, and Samples and product data and shall give written notice to the Awarding Authority of any inconsistency, ambiguity, conflict, discrepancy, error or omission, deviations from industry standards or from manufacturer’s recommendations, which Contractor may discover with respect these documents before proceeding with the affected Work. The issuance or the express or implied approval by the Awarding Authority or Designer of the Contract Documents, Shop Drawings, or Samples and product data shall not relieve Contractor of the continuing duties imposed hereby, nor shall any such approval be evidence of Contractor’s compliance with this Contract. The Awarding Authority has requested that Designer to only prepare documents for the Project, including Drawings and Specifications for the Project, which are accurate, adequate, consistent, coordinated and sufficient for construction. HOWEVER, AWARDING AUTHORITY MAKES NO REPRESENTATION OR WARRANTY OF ANY NATURE WHATSOEVER TO CONTRACTOR CONCERNING SUCH DOCUMENTS. By execution of the Contract Agreement, Contractor acknowledges and represents that it has received, reviewed and carefully examined such documents, has found them to be complete, accurate, adequate, consistent, coordinated, and sufficient for construction, and that Contractor has not, does not, and will not rely upon any representation or warranties by the Awarding Authority concerning such documents as no such representation or warranties have been or are hereby made.

4. COPIES FURNISHED CONTRACTOR:

   Except as otherwise provided, all required copies of Drawings and Specifications for the execution of the Work will be furnished to the Contractor by the Awarding Authority without charge. Other copies requested will be furnished at reproduction cost. “Maximum 20 sets”.

5. SHOP DRAWINGS AND SUBMITTALS:

The Contractor shall check the Contract Drawings for accuracy and verify with field measurements as necessary. Contractor shall submit to the Awarding Authority with its criticism and/or approval, all layouts, detail schedules, shop drawings, and setting or erection drawings as required by the Specifications or requested by the Awarding Authority for proper installation of materials, without causing delay in the Work. The Contractor shall read, carefully study, and check Subcontractors’
shop drawings for accuracy and see that work contiguous with and having bearing on work indicated on shop drawings shall be dated, numbered consecutively, show working and erection dimensions and necessary details, and include complete information for connecting to other work. Any work required by shop drawings that is fabricated by the Contractor prior to approval shall be at its own risk.

All shop drawings and schedules, accompanied by a letter of transmittal containing project number, number of drawings, titles, or other pertinent data, shall be submitted to the Awarding Authority in quintuplicate by the Contractor (with his stamp of approval thereon) sufficiently in advance of construction requirements to allow checking, correcting, re-submitting, and re-checking. Whenever necessary, due to receipt of a high volume of simultaneous submittals, the Designer shall notify the Contractor that submittal review must be prioritized and request the Contractor to provide said prioritization, in writing, of those simultaneous submittals based on the contractor’s approved project schedule. This shall have the effect of staying the twenty-one day review requirement for the lower priority submittals. If shop drawings show variations from the requirements of the Contract Documents because of standard shop practice or other reasons, specific mention of such variations shall be made in the letter of submittal.

Satisfactory drawings will be so identified, dated, approved, and three copies of sets returned to the Contractor by the Awarding Authority. Should shop drawings be disapproved, three sets will be returned to the Contractor by the Awarding Authority indicating corrections and changes to be made. Such corrections, changes, including design and artistic effect, shall be submitted in quintuplicate to the Awarding Authority until final approval is obtained. No corrections or changes indicated on shop drawings will be considered as Extra Work. Contractor shall not perform any portion of the Work requiring submittal and review of shop drawings, product data or samples unless and until such submittal shall have been approved by the Designer.

The approval of shop drawings, schedules, and setting or erection drawings will be general and shall not be construed

A. as permitting any departure from contract requirements,

B. as relieving the Contractor of the responsibility for any error in details, dimensions, coordination with other work, or otherwise that may exist in shop drawings and schedules, or

C. as approving departures from drawings and specifications or from additional details or instructions previously furnished by the Awarding Authority unless Contractor has in writing called attention to such deviations at the time of submission, and secured written approval.

Operation and Maintenance Manuals are considered submittals, and as such shall be submitted in the required format and in a timely manner for review and approval acceptance during the Project but no later than 30 days prior to contract completion date.
Shop drawings, product data and samples and other submittals from the Contractor do not constitute Contract Documents. Their purpose is merely to demonstrate the manner in which the Contractor intends to implement the Work in conformance with the information received from the Contract Documents.

6. **PROJECT AND RECORD DOCUMENTS:**

   The Contractor shall keep on the site of the Work, and in good order, at least one set of its Contract Drawings including shop drawings, specifications, and all authorized change orders, and shall at all times give the Awarding Authority, and their representatives access thereto.

   The Contractor shall also keep in his office on site of the Work one set of Contract Drawings and Specifications furnished by the Awarding Authority, herein referred to as RECORD DRAWINGS, on which shall be recorded all work as built or installed, and such other information as is specified or required. Contractor shall carefully draw and letter notes of explanation, in ink, on the Record Drawings, as a fully dimensioned record of all work. The Record Drawings, supplemented by any detailed sketches deemed necessary, shall indicate the work “AS-BUILT” and shall clearly designate all notations by “clouding” around the notation. The Contractor will be required to prepare new drawings if the indications on the Record Drawings or the detailed sketches are illegible or otherwise unsatisfactory for future reference. Each record or correction made on such drawings will be initialed and dated by the Contractor’s Supervisor or Awarding Authority’s Inspector. At the conclusion of the project and prior to final inspection and as a condition of final payment, the Contractor shall obtain and pay for one set of reproducible mylars from the Awarding Authority and transfer all “As-Built” information from the Record Drawings to the mylar reproducible in a clear, legible, and reproducible manner and then deliver them to the Awarding Authority. These mylars need to be signed by General Contractor, dated and marked “As-Builts.” The Contractors shall also furnish “As-Builts” on CD in the most current version of Autocad. (See Article 01700)

7. **OWNERSHIP OF DRAWINGS:**

   All originals or duplicated Contract Documents, including the Drawings and Specifications, and other data prepared by the Awarding Authority or Designer, and copies thereof prepared and furnished to the Contractor are the property of the Awarding Authority or Designer.

   Upon completion of the Work, all copies of the Drawings and Specifications, with the exception of two sets retained by the Contractor, shall be returned by the Contractor to the Awarding Authority.

8. **SAMPLES:**

   The Contractor shall, without undue delay, furnish and submit to the Awarding Authority any samples which require the Awarding Authority’s or Designer’s approval, and also any samples which may be requested by the Awarding Authority, of any and all materials or equipment Contractor proposes to use. All shipping charges on the samples shall be prepaid. Samples shall be furnished sufficiently in advance to allow the Awarding Authority reasonable time for examination, investigation, or consideration without delay to the Work.
The Contractor shall provide Subcontractors and prospective manufacturers, material dealers or suppliers with complete information of pertinent contract requirements and all transactions therewith shall be through the Contractor.

Contractor’s use of materials or equipment in the Work prior to receiving any required sample approval of such materials or equipment shall be solely at the Contractor’s risk and expense.

Each sample shall have a label indicating the material represented, its place of origin and the name of the producers, the Contractor, and the building or Work for which the material is intended. Where manufacturer’s printed instructions for installation are required, duplicate copies of such directions shall be submitted with samples. Contractor’s attention is directed to General conditions Article 50, USE OF FOREIGN MATERIALS.

A list of the samples, the name of the building or Work for which the materials are intended, and the brands of materials and names of the manufacturers shall accompany each sample transmission by the Contractor.

After a material has been approved by the Awarding Authority no additional samples of that material will be considered and no change in brand or make will be permitted.

Failure of any materials to pass required tests will be sufficient cause for refusal to consider any further samples of the same brand of make of that material for use in the Work.

Test samples, as the Awarding Authority may deem necessary, will be produced from the various materials delivered for use in the Work. If any of these test samples fail to meet the contract requirements, any previous approvals will be withdrawn and such materials shall be subject to removal and replacement by the Contractor with materials or equipment meeting the contract requirements. The Awarding Authority has the option to allow the defective materials to remain in place subject to proper credit or adjustment of the Contract Price as hereinafter set forth under General Conditions Article 21, DEDUCTIONS FOR UNCORRECTED WORK.

The costs of tests will be borne as specified in the Contract Documents.

9. PROGRESS SCHEDULE AND CHARTS:

The Contractor shall, within ten days after date of commencement and as directed in the earlier of either the Notice to Proceed, Letter of Intent, or other instrument, prepare and submit for the Designer and Awarding Authority’s review and approval a Critical Path Method (CPM) type of schedule (in both electronic (not PDF) and hard format) showing the order in which the Contractor proposes to carry out the Work within the contract time. The CPM schedule shall include, among other detail, the date Contractor will start the salient features of the Work, including, but not limited to, procurement of material, plant and equipment, startup, testing and acceptance, critical milestones, activity relationships and constraints, float, and the contemplated date of completion for the Work and each activity there under. The schedule shall be of sufficient detail to reflect all major aspects and
constraints of the Work including, but not limited to, coordination with other trade packages and any information or action required by Designer and/or the Awarding Authority. The Designer and Awarding Authority’s review and approval of the Contractor’s construction schedule shall be only for compliance with the specified format, Contract Time, and suitability for monitoring progress of the Work and shall not be construed as a representation that the Designer or Awarding Authority has analyzed the schedule to form opinions of sequences or durations of time represented in the schedule.

The CPM schedule shall be in the form of a computerized flow chart per requirements in Specification Section 01320 Schedule. No claims for time extensions will be granted prior to the submission and approval of a progress schedule compliant with this or any other applicable section. Contractor shall provide licensed copies of software used to develop the schedule at no additional cost to the Awarding Authority. The Contractor shall regularly update the CPM schedule. At two-week intervals, contractor shall enter the actual percentage of completion and the actual start and finish dates on the construction schedule and deliver to the Awarding Authority two current copies showing planned and actual progress of the Work with each Application for Partial Payment. The construction schedule shall be revised to reflect any agreed extensions of the Contract Time or as required by conditions of the Work.

The Contractor’s construction schedule shall be used by the Contractor, Designer, and Awarding Authority to determine the adequacy of the Contractor’s progress. The Contractor shall be responsible for maintaining progress in accordance with the currently approved construction schedule and shall increase the number of shifts, and/or overtime operations, days of work, and/or amount of construction plant as may be necessary to do so. If the Contractor’s progress falls materially behind the currently approved construction schedule and, in the opinion of the Designer or Awarding Authority, the Contractor is not taking sufficient steps to regain schedule, upon written request Contractor shall submit for review by Designer and Awarding Authority such supplementary or revised construction schedules as necessary to demonstrate the manner in which the original rate of progress will be regained, all without additional cost to the Awarding Authority.

Failure by the Contractor to comply with these progress requirements in order to ensure completion within the Contract Time will be sufficient reason for the Awarding Authority to terminate the Contract or supplement the Contractor as provided elsewhere in the contract. The Contractor’s construction schedule shall begin with the date of commencement stated in the Notice to Proceed or Letter of Intent and conclude with the date of Substantial completion of the Work. Float or slack time within the construction schedule is not for the exclusive use or benefit of the Awarding Authority or of the Contractor, but is a resource available to both parties as needed to meet contract milestones and the contract completion date.

Pursuant to these float sharing requirements, no time extensions will be granted until a delay occurs which will impact the Work’s critical path, consumes all float or contingency time available, and extends the Work beyond the contract completion date.

Whenever necessary, due to receipt of a high volume of simultaneous submittals, the Designer shall notify the Contractor that submittal review must be prioritized and request the Contractor to provide
said prioritization, in writing, of those simultaneous submittals based on the contractor’s approved project schedule. This shall have the effect of staying the twenty-one day review requirement for the lower priority submittals.

No extension of contract time will be granted for Owner delays concurrent with delays by the Contractor.

The Awarding Authority reserves the right to reduce the Contract Time to the time of completion shown on the Contractor’s early completion schedule at no additional cost to the Awarding Authority.

10. MATERIALS, EQUIPMENT, AND EMPLOYEES:

Unless otherwise stipulated, the Contractor shall furnish all material, equipment, tools, labor, water, light, power, transportation, other services or facilities, and incidentals for the proper execution and completion of the Work. Unless otherwise stipulated, Contractor warrants that all materials, products, systems and equipment, including those purchased under the Purchasing Agent Agreement, incorporated in the Work shall be new and without apparent damage, be of quality equal to or higher than that required by the Contract Documents, be merchantable, and free of defects.

Contractor warrants all labor and services shall be performed in the best and most workmanlike manner by persons skilled in their respective assignments or trades, shall comply with the Contract Documents, and shall be free of defects. Workmen whose work is unsatisfactory, or who are considered unfit or unskilled, or otherwise objectionable, shall be removed from the Work.

11. EQUIPMENT AND MATERIAL DEVIATIONS:

Whenever any material or piece of equipment is identified on the plans or in the Specifications by reference to a single manufacturer’s name, model numbers, etc., without the phrase “or approved equal,” this material or equipment shall be supplied as specified without consideration to any other manufacturer. Any deviation from this requirement must be approved in writing by the Designer prior to the receipt of bids.

When the Specifications and/or Drawings indicate two or more manufacturer’s names or brands for materials or equipment to be used it shall be assumed that the phrase “or approved equal” is inserted following the naming of manufacturers, whether such phrase occurs in the Specifications or not. However, if the Contractor desires to use a substitute it must secure written approval by the Designer. If a request to substitute an “approved equal” is made by the Contractor, and not approved by the Designer, then it will be expressly understood that all such material and equipment so named or described by any one of the manufacturers listed in the Specifications and/or Drawings will be furnished in full accordance with the Contract Documents.

12. ROYALTIES; PATENTS; AND COPYRIGHTS:

The Contractor shall pay all royalties and license fees. The Contractor shall defend all suits or claims for infringement of any copyright or patent right and shall hold and save harmless the Awarding
Authority and its agents and employees from any liability or loss of any nature or kind, including cost and expenses, for or on account of any copyright or any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the Contract, including its use by the Awarding Authority.

If the Contractor has information that any process, article or item specified or delineated by the Contract Documents is an infringement of a patent or copyright, it shall promptly give such information to the Awarding Authority.

13. SURVEYS, PERMITS, LAWS AND REGULATIONS:

The Contractor shall provide competent professional services to execute the Work in accordance with contract requirements. Contractor shall verify the figures given for the contours, approaches and locations shown on the Drawings before undertaking any construction work and be responsible for the accuracy of the finished work. Without extra cost to Awarding Authority, Contractor shall engage a licensed surveyor if necessary to verify boundary lines, keep within property lines, and shall be responsible for encroachments outside the project site.

The Contractor shall establish all base lines for the location of the principal components of the Work and make all detail surveys necessary for construction, including slope stakes, batter boards and other working points, lines and elevations.

If the Contractor finds any errors or discrepancies, or that any previously established references have been destroyed or misplaced, Contractor shall promptly notify the Awarding Authority.

The Contractor shall obtain and pay for all licenses and permits and shall pay all fees charges for connection to outside service and the use of property, other than the site of the Work, required for the execution and completion of the Work.

The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations, and building code requirements applicable to or bearing on the conduct of the Work unless in conflict with contract requirements. If the Contractor ascertains at any time that any requirement of the Contract Agreement is at variance with applicable laws, ordinances, regulations, or building code requirements, Contractor shall promptly notify the Awarding Authority and any necessary adjustments of the Contract Agreement will be made as hereinafter specified under General Conditions, Article 19, CHANGES IN THE WORK.

The Contractor shall have included in its bid price all Federal, State, and local taxes except taxes and assessments on the real property of the site of the Work and other taxes to be excluded under the terms of the bid documents. Wherever the law of the place of building requires a special tax not excluded by the terms of the bid documents, the Contractor shall have included in its bid price such taxes. (Refer to “Supplemental General Conditions” which may contain additional tax information).
14. PROTECTION OF WORK AND PROPERTY:

The Contractor shall at all times adequately maintain, guard and protect its own work from damage, and safely guard and protect the Awarding Authority’s property from injury or loss arising in connection with the Project. All damaged property of Awarding Authority shall be repaired or replaced with new similar property at Contractor’s expense, including installation costs, at replacement value without deduction or reduction for depreciation. All repairs and replacements shall be done only upon approval of Awarding Authority whose decision shall be final.

Contractor shall adequately protect adjacent property as provided by law and Contract Documents. Any damage to existing structures or the interruption of utility services shall be repaired or restored promptly at the expense of the Contractor.

The Contractor shall protect all existing vegetation such as trees, shrubs, and grass on or adjacent to the site which are not required to be removed or do not unreasonably interfere with construction, and shall be responsible for all unauthorized cutting or damage of trees and shrubs, including damage of grass areas, due to careless operation of equipment or stockpiling of materials.

Care shall be taken by the Contractor in felling trees that are to be removed to avoid any unnecessary damage to vegetation or other trees that are to remain in place. Any limbs or branches unavoidably broken during such operations shall be trimmed with a clean cut and painted with an approved tree pruning compound. The Contractor may be required to replace or restore at its own expense all vegetation not protected and preserved, as above required, that may be destroyed or damaged.

The Contractor shall provide and maintain all passageways, guard fences, lights, and other facilities required for protection by state or municipal laws and regulations or local conditions.

The Contractor shall take the following steps if historical items, artifacts, relics, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, antiques, and other items of interest or value to the Owner, may be encountered during demolition or excavation operations. These items remain the Owner's property. The following steps should be taken should any items be encountered on-site:

1. Operation should stop immediately and UA Construction Administration Project Manager and or Field Coordinator should be notified.

2. The Office of Archaeological Research will be contacted (205-371-2266) to document and catalogue and to remove and store each item or object in an appropriate professional manner to prevent damage.

3. Cooperate with Owner's archaeologist or historical adviser as required until the area identified that might contain additional items has been cleared.

4. Once the area is cleared, the construction activities can proceed in the normal process.
5. Contractor and Project Manager should immediately note and document the impact on the schedule and specifically the critical path.

The Contractor shall take all necessary precautions for the safety of public and employees on the Work and shall comply with all applicable provisions of federal, state, and municipal safety laws and building codes to prevent accidents or injury to persons on or about or adjacent to the premises where the work is being performed.

The CONTRACTOR shall adequately provide protection to all surface and subsurface utilities including, but not limited to, existing valves, valve coverings, manholes, electrical equipment and other utility components within the Project site and adjacent property where work is being performed in relation to the Project. Protection should include, but is not limited to, locating, marking/flagging, barricading or other means necessary to avoid damage to all utility components. In the event a utility component is damaged due to negligence by the CONTRACTOR, the CONTRACTOR shall immediately notify the UA Project Manager and diligently cooperate with the Awarding Authority until repairs are complete. All repairs and replacements shall be performed only upon approval of Awarding Authority whose decision shall be final.

In order to protect infrastructure, telecommunication, and all utilities during excavation the University and Contractors shall adhere to these guidelines:

1. The CONTRACTOR shall review and fully abide by the Awarding Authority’s “Underground Utilities Locate Procedures” found in the Front End Documents as listed in the Table of Contents.

2. In the event timely notice of such excavation or digging is not given or if such notice is given but a telephone cable or network fiber is cut or damaged due to the negligence of the general contractor or subcontractor, the University will charge the general contractor the following amounts and may withhold from any accrued payments the amounts due.

For Telecommunication Lines:

**Fiber:**
- $5000 Service Interruption Fee
- $100 per fiber splice (i.e. the fiber is 30 pair, then 60 splices will be required)
- Plus cost of Material

**Copper:**
- $5000 Service Interruption Fee
- Time – Rate is $35.00/manhour and $50.00/Overtime manhour
- Plus Cost of Material
For All Other Utilities:

Time and Material for cost of the repair to the utility, any loss of business or operational use, any UA necessary support of the event, and any quantifiable utility cost.

_The minimum charge of the event will be $1,000._

15. **CLIMATE CONDITIONS:**

The Contractor shall suspend any work that may be subject to damage by climatic conditions outside of the material manufacturer’s specifications and/or industry standards.

16. **BUILDING ENVIRONMENTAL CONTROL:**

The Contractor shall provide, at its expense, all necessary equipment, utilities, fuel, safeguards and other requirements to maintain temperature and humidity control within the specifications and material manufacturer’s stated tolerances as necessary to protect all work and materials against damage and installation failures until final acceptance of all Work in the Contract, unless the building or buildings are fully occupied by the Awarding Authority prior to such acceptance, in which case the Awarding Authority will assume all expense of maintaining building environmental control from the date of occupancy. The Contractor shall provide building environmental control including, but not limited to, the following:

A. at all times during the placing, setting, and curing period of concrete, sufficient temperature control to ensure the heating of spaces to not less than 50°F and not to exceed 90°F,

B. for the placing of interior wood finish work and throughout the placing of wood finish and other interior finishing, varnishing, painting, etc., appropriate building environmental control shall be in place for a period of ten days previous and until final acceptance of the Work,

C. provide temporary closures for windows, doors, and all temporary openings and take every reasonable precaution to prevent the escape of warm air from or entrance of cold air into the building in order to maintain appropriate building environmental control for the work taking place and commensurate with the final operating conditions,

D. provides such other protection as required under the specific material specifications in Divisions 2-16 of the Specifications or the manufacturer’s recommendations.

17. **INSPECTION OF THE WORK:**

The Awarding Authority or any agency having jurisdiction, and their representatives shall, for inspection purposes, have access at all times to the Work whenever it is in preparation or progress, and the Contractor shall provide proper facilities for such access and inspection.
All materials, workmanship, processes of manufacture, and methods of construction, if not otherwise stipulated, shall be subject to inspection, examination, and test by the Awarding Authority (or its duly authorized representatives) at any and all places where such manufacture and/or construction are being performed. The Awarding Authority shall have the right to reject defective material and workmanship or require its correction. Rejected workmanship shall be satisfactorily corrected, and rejected material shall be satisfactorily replaced with proper material, without charge therefor, and the Contractor shall promptly segregate and remove the rejected material from the premises.

The Awarding Authority may appoint or assign Inspectors, with designated duties and restricted authority, to inspect the work, or to make special inspections requested in advance by the Contractor, and to report the progress of the Work, and manner or procedure, quality of the material and workmanship, and compliance with the Contract Documents. Authorized inspectors shall have the authority to reject materials, workmanship, or equipment clearly defective or otherwise not in the accordance with the Drawings and Specifications, but neither the presence nor absence of such inspectors shall relieve the Contractor from fully complying with all of the contract requirements.

No inspector has authority to revoke, alter, relax, or waive any requirements of the Contract Documents; to finally approve or accept any portion of the Work or to issue instructions contrary to the Drawings and Specifications, nor shall any inspector supervise and direct work for the Contractor, nor unreasonably interfere with the Contractor’s operations beyond the extent necessary to make certain that the Work is being carried out according to the contract requirements.

Any advice which an inspector may give to the Contractor shall not be, nor construed to be, as binding on the Awarding Authority in anyway, nor release the Contractor from its duty to comply with all of the contract requirements.

The Contractor shall furnish promptly, without extra compensation, all reasonable facilities, labor, services, equipment, and material necessary for safe and convenient access, inspection, and tests that may be required. All inspections and tests will be performed in such a manner as not to cause unnecessary delay of the Work. Special, full size and performance tests shall be as described in Sections of the Specifications. The Contractor may be charged any extra cost of inspection incurred by the Awarding Authority on account of material and workmanship not being ready at the time set by the Contractor for an inspection or test.

Should the Awarding Authority consider it necessary or advisable, at any time before final acceptance of the Work, to make an examination of work already completed by uncovering, or removing or tearing out same, the Contractor shall, on request, promptly furnish all necessary facilities, labor, services and material. If such work is found to be defective the Contractor shall defray all expense of such examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the Contract Documents, the work of examination and replacement will be considered and compensated for as Extra Work ordered by the Awarding Authority and, in addition, if completion of the Work has been delayed thereby, an extension of time will be granted for such delay.
In order for this project to be “Substantially Complete” the following is required: Awarding Authority’s receipt of the pre-final closeouts; a final inspection held and the project declared “Substantially Complete”, in writing, signed by the Architect (if applicable) and the Awarding Authority. “Substantial Completion” means the designated work is sufficiently complete, in accordance with the contract documents, such that the Awarding Authority may occupy or utilize the work for the use intended in a safe and unencumbered manner, as represented by the contract documents. The date of Substantial Completion is the date upon which the contract time stops and all warranties for the designated work commence. The attached form (Attachment B) will officially document the substantial completion date.

18. SUPERINTENDENCE AND SUPERVISION:

The Contractor shall continuously supervise, direct and coordinate the Work, using its best skill, effort, knowledge, and attention during performance of the work. Contractor shall employ and maintain at the Project only competent supervisory personnel. Contractor’s superintendent(s), whose qualifications are acceptable to the Awarding Authority, shall be at the site at all times during construction activity, and shall be authorized to act for Contractor in its absence. If, for reasonable cause, the Owner refuses to approve the individual, or withdraws its approval after once giving it, the Contractor shall name a different superintendent for the Owner’s review and approval. Any disapproved superintendent will not perform in that capacity thereafter at the Project site.

The Awarding Authority reserves the right to credit the contract for any unreasonable or uncustomary absence of the Superintendent(s) from the site. The Contractor shall not remove from the work a superintendent who is satisfactory to both Contractor and the Awarding Authority, unless his employment is terminated. At the Awarding Authority’s discretion, work may be suspended, with no extension to the contract time, until such time that a qualified replacement acceptable to the Awarding Authority is provided. Contractor shall be responsible to the Awarding Authority for any acts or omissions of the Contractor, its employees and others engaged in the Work on behalf of the Contractor.

The Contractor shall provide a sufficient and appropriate level of superintendence to prosecute the work with diligence and to ensure adequate oversight, management, and supervision given the complexity, phasing, size, and/or affected area of the project.

Owner / Architect / Contractor (OAC) meetings shall be held bi-weekly ON CAMPUS until the project is determined “closed out” by the Awarding Authority. Project Superintendent (Contractor) shall attend meetings until all punch list items are complete. Project Manager (Contractor) shall attend meetings until Awarding Authority has deemed project closed in accordance with 01700 Project Closeout.

In general, important verbal communications will be confirmed in writing to the Contractor, and these and other communications always upon written request of the Contractor.

The Contractor shall read, carefully study and compare all Drawings, Specifications, other instructions and related data, and promptly report in writing to the Awarding Authority, any
ambiguity, conflict, inconsistency, discrepancy, error, omission, deviations from industry standards or from manufacturer’s recommendations that it may discover. Contractor shall be liable for the performance and the cost of any necessary corrections resulting from adjustments or modifications of Contract Documents made without prior approval. If Contractor performs any of the Work knowing it involves a recognized error, conflict, inconsistency, discrepancy, or omission, deviations from industry standards or from manufacturer’s recommendations, in the Contract Documents without notice to the Awarding Authority, the Contractors shall bear the responsibility for such performance and shall bear the cost of correction. If this condition is not observed, the Awarding Authority has the right to shut down the project immediately without any additional cost to the Awarding Authority.

19. **CHANGES IN THE WORK:**

**A. GENERAL**

1. The Owner at any time may make changes in the Work by changes in the Drawings and the Specifications of the Contract and within the general scope thereof. Changes will be in the form of a Contract Change Order based upon a written request of the Owner and a written proposal of the Contractor.

2. If the Owner directs a change in the work, the change shall be incorporated into the Contract by a Change Order prepared by the Architect and signed by the Architect, Contractor and Owner, acknowledging their agreement to the change or changes in the Work and the adjustments, if any, in the Contract Sum and Contract Time.

3. In advance of delivery of a fully executed Contracted Change Order, the Architect shall furnish to the Contractor a written authorization to proceed with an agreed change. However, such an authorization shall be effective only if it:

   (a) Identifies the Contractor’s accepted or negotiated proposal for the change; and
   (b) States the agreed adjustments, if any, in Contract Sum and Contract Time; and
   (c) States that funds are available to pay for the change; and
   (d) Is authorized by the Owner

4. Subject to compliance with Alabama’s Public Works Laws, the Owner may, upon agreement by the Contractor, incorporate previously un-awarded bid alternates into the Contract.

5. Consent of Surety will be obtained for all Contract Change Orders involving an increase in the Contract Sum.

6. Credits to the Owner for additive and deductive changes shall be governed by Article 19.B.2 and 19.B.3.

7. Changes in the Work shall be performed under applicable provisions of the Contract Documents and the Contractor shall proceed promptly to perform changes in the Work,
unless otherwise directed by the Owner, through the Architect. When time is of the essence, and performance of the work is integral to the completion of other adjacent work, the Contractor must proceed immediately as directed by the Architect.

B. ADJUSTMENT OF CONTRACT SUM

1. METHODS: The adjustment of the Contract Sum resulting from a change in the Work shall be determined by one of the following methods, or a combination thereof, as selected by Owner.

a) Lump Sum – By mutual agreement to a lump sum based on, or negotiated from, an itemized cost proposal from the Contractor. This amount shall be all-inclusive, covering direct costs, as well as any fees. Contractor shall furnish to the Owner an itemized breakdown of the quantities and prices to be used in estimating the value of any changes that might be ordered. For the purposes of this method, Contractor and Subcontractors, shall furnish, at a minimum, the following on their own letterhead; all material or vendor quotes (with quantities and unit cost), labor hours, labor rates, labor burdens (as defined in subparagraph 19.B.1.c.(vi), equipment, and any other relevant information necessary to analyze the quote. For the purpose of this method of determining and adjustment of the Contract Sum, “overhead” shall cover the Contractor’s indirect costs of the change such as, but not limited to, the cost of bonds, insurance, superintendence and other job office personnel, watchman, job office, job office supplies and expenses, temporary facilities and utilities, and home office expenses.

(i) For the Party performing the work, the cost of the work, less any credits, shall have a maximum markup for Overhead and Profit of 10%.

(ii) The prime contractor or upper-tier subcontractor’s markup on work performed by lower-tier subcontractors will be based on the net increased cost to the prime contractor or upper-tier subcontractor, as applicable, and shall not exceed 10%. No more than 10% shall be added by each successive lower-tier subcontractor, if applicable, for a maximum of 20%.

(iii) 19.B.1.a)(i) and 19.B.1.a)(ii) shall also apply to Time and Materials changes.

b) Unit Price – By estimating the number of unit quantities of each part of the Work which is changed and then multiplying the estimated number of such unit quantities by the applicable unit prices, if any, set forth in the Contract, or other mutually agreed unit prices. However, if the unit price originally agreed on is do materially changed that application of such unit price to quantities of Work proposed will cause substantial inequity to either party, the applicable unit price shall be equitably adjusted and agreed to in advance of performing the work.

c) Time and Materials – If the contractor and Owner cannot agree on the amount of the adjustment in the Contract Sum for the change, the Owner, through the Architect may order the Contractor to proceed with the change on a Time and Materials basis, but the net cost to the Owner shall not exceed the amount quoted in the Contractor’s proposal. Such order shall state that funds are available to pay for the change. When the
Contractor proceeds with the change in the Work on a force account basis, the Contractor shall be reimbursed for reasonable expenditures incurred by the Contractor and its Subcontractors in performing added Work and the Owner shall receive reasonable credit for any deleted Work. The Contractor shall keep and present, in such form as the Owner may prescribe, and itemized accounting of the cost of the change together with sufficient supporting data. Unless otherwise stated in the directive, the adjustment of the Contract Sum for Time and Materials shall be limited to the following:

(i) cost of labor and supervision – at a minimum all labor should be detailed as follows: name, classification, date, daily hours, total hours and extensions for such laborers, Contractor shall submit copies of actual payrolls if requested;
(ii) cost of materials, supplies and equipment, including cost of delivery, whether incorporated of consumed;
(iii) rental cost of machinery and equipment, not to exceed prevailing local rates if contractor owned;
(iv) changes to be governed by Article 19.B.2 and 19.B.3;
(v) costs of permits and fees related to the change in the Work;
(vi) job labor burden is defined as follows: workers compensation insurance, FICA, federal and state unemployment insurance, retirement plan, and health insurance (single coverage only; no dental or vision), unless mutually agreed upon in writing within ten (10) days of the start of work.
(vii) Contractor shall submit proof of payment for burdens if requested.

2. ADDITIONS TO THE CONTRACT AMOUNT: The contract sum under any of the three (3) methods shall include the Contractor’s direct cost plus a reasonable markup for overhead (as defined in 19.B.4 below). Overhead and profit for all changes shall be calculated in accordance with 19.B.1.a). Where subcontract work is involved, the total markup for shall not exceed the amount defined in 19.B.1.a). When the contractor’s or subcontractor’s portion of a change order request involves credit items, such items must be deducted prior to adding overhead and profit for the party performing the work. The contractor’s fee is limited to the net increase to contractor or subcontractors’ portions cost computed in accordance herewith.

3. DEDUCTIONS TO CONTRACT AMOUNT: When a change order request involves credit items only, a proper measure of the amount of downward adjustment in the contract prices is the reasonable cost to the contractor or subcontractor if they had performed the delegated work. A reasonable allowance for overhead and profit are properly includable as part of the downward adjustment of a deductive change. The amount of such allowance is negotiable.

4. MARKUPS AND OVERHEADS: For the purpose of determining an adjustment of the Contract Sum, “overhead” shall cover all of the Contractor’s indirect costs, such as, but not limited to: the cost of insurance and bonds, superintendence and other job office personnel, watchman, job office, job office supplies and expenses, temporary facilities and utilities, home office expenses; and all other indirect costs. No markups will be allowed on markups.
C. ADJUSTMENT OF CONTRACT TIME

1. If the Contractor determines that additional time is necessary resulting from the changes in the Work they shall notify the Owner and Architect in writing at the same time they give the Owner and Architect their cost proposal. Such notification shall explain in detail why they are requesting an extension in time. Such detail shall show at a minimum how the change affects the project’s Critical Path. The Contractor shall utilize the most current CPM schedule to justify any extension of time. Should the Contractor fail to provide the Owner with an acceptable schedule within the time limits specified in the contract documents, the request will not be considered.

2. A cumulative extension of time will not be allowed for changes in the work that result in concurrent delays nor will time be allowed for changes concurrent with contractor delays.

3. Owner and Architect shall determine if an extension in time is necessary per the detail Contractor provides. They shall notify the Contractor in writing of their decision.

D. CHANGE ORDER PROCEDURES

1. OWNER PROPOSED:

   (a) If the Owner proposes to make changes in the Work, the Architect or Owner will request that the Contractor provide a cost proposal for making the change to the Work. The request shall be in writing and shall describe the proposed change by drawings, specifications, narrative or a combination thereof.

   (b) Within 10 days after receiving such a request, or such other time as may be stated in the request, the Contractor shall prepare and submit to the Architect a written proposal, properly itemized and supported by sufficient substantiating data to facilitate evaluation. The time may be extended only if, within that time, the Contractor makes a written request with a reasonable justification thereof.

2. CONTRACTOR PROPOSED:

   (a) The Contractor may voluntarily offer a change proposal which, in the Contractor’s opinion, will reduce the cost of the construction, maintenance or operation or will improve the cost-effective performance of an element of the Project.

   (b) The Owner, through the Architect, will accept, reject or respond otherwise within 21 days after receipt of the proposal, or such other reasonable time as the Contractor may state in the proposal.

   (c) If the Contractor’s proposal is acceptable to the Owner, or is negotiated to the mutual agreement of the Contractors and Owner, the Architect will prepare an appropriate
Contract Change Order for execution. The Contractor shall then proceed as described in 19.A.7 above.

E. CONCEALED CONDITIONS

1. If the Contractor discovers conditions in the course of the work which are at a variance with the conditions indicated in the contract documents, notice must be given within 48 hours of the first observance of the condition in question.

2. If Contractor believes these conditions will add cost or time to the work it shall immediately begin to keep and maintain detailed, accurate and complete daily records concerning every detail of the potential claim.

3. The failure of the Contractor to keep such timely, detailed records shall be deemed to be a waiver by the Contractor of any claim based on concealed conditions.

F. PERFORMANCE PENDING PAYMENT RESOLUTION

1. If disagreements arise between the parties concerning the Change Order and any increase or decrease in the Contract Amount or lengthening or shortening of the contract time, the Contractor shall not suspend performance of the change in the Work itself unless ordered to do so by the Owner in writing. However, the Owner shall pay the Contractor an amount that the Owner estimates to be reasonable value for the change in the Work, regardless of the disagreement, if the change in the Work results in any increase in the contract amount. The Owner shall also have the right to decrease the contract amount by an amount the Owner estimates to be a reasonable value for the change in the Work, regardless of the disagreement, if the change in the Work results in decrease in the contract amount.

2. Pending agreement of the parties of final resolution of any dispute of the total amount due the Contractor for a change in the Work, amounts not in dispute for such changes in the Work may be included in Applications for Payment accompanied by an interim Change Order indicating the parties’ agreement with part of all of such cost or time extension. Once a dispute is resolved, it shall be implemented by preparation and execution of an appropriate Change Order.

G. AUDIT RIGHTS

If any changes to the Work results in an increase in Contract Amount the Contractor shall provide, and shall require its subcontractors to provide, access to the Owner at all reasonable times to any books, correspondence, receipts, vouchers, instructions, memoranda and records of any kind relating thereof, all of which shall be maintained by the appropriate party for a period of two (2) years commencing from the date Owner makes payment to Contractor for such Change in the Work. The Contractor authorized the Owners, and shall require its Subcontractors to authorize the Owner, to confirm balances due and/or paid for
the change in the Work, and to obtain sworn statements and waivers of liens, all to be done if Owner so elects.

20. **CLAIMS FOR EXTRA COST OR EXTRA WORK:**

If the Contractor claims that any instructions, by drawings or otherwise, are not in accordance with the Contract Documents, and involve extra work under the Contract, Contractor shall give the Awarding Authority written notice thereof within seven (7) days after receipt of such instructions, and in any event before proceeding to execute the work, and the procedure for determining the cost of extra work shall be as provided above under General Conditions, Article 19, CHANGES IN THE WORK. The giving of written notice within seven (7) days after receipt of the instructions giving rise to such claim is a condition precedent to any liability of the Awarding Authority thereof. The failure by the Contractor to give such notice and to give such notice prior to executing the Work shall constitute a waiver of any claim for payment for extra work. In connection with any claim by the Contractor against the Awarding Authority for compensation for extra work, any liability of the Awarding Authority for the Contractor's cost shall be strictly limited to direct costs incurred by the Contractor and shall in no event include indirect costs or consequential damages of Contractor. The Awarding Authority shall not be liable to the Contractor for claims of third parties, including Subcontractors, unless and until liability of the Contractor has been established thereof in a court of competent jurisdiction.

Should concealed and unknown conditions encountered in the performance of the Work below the surface of the ground or in an existing structure by at variance with the conditions indicated by the Contract Documents, or should unknown conditions of an unusual nature differing materially from those ordinarily encountered in the area and generally recognized as inherent in the Work of the character provided for in the Contract Documents be encountered, the compensation to be paid for the Work shall be equitably adjusted by Change Order pursuant to Article 19 of the General Conditions upon written notice and claim by either party made within seven (7) days after the first observance of the condition. As a condition precedent to the Awarding Authority having any liability to the Contractor for concealed and unknown conditions, the Contractor must give Awarding Authority and Designer written notice of, and an opportunity to observe, the condition prior to disturbing it. The failure of Contractor to make the written notice and claim as provided in this paragraph shall constitute a waiver by the Contractor of any claim arising out of or relating to such concealed or unknown condition.

21. **DEDUCTIONS FOR UNCORRECTED WORK:**

If the Awarding Authority deems it expedient to correct work injured or installed at variance with the contract requirements, the Awarding Authority may, if it finds it to be in its interest, allow part or all of such work to remain in place, provided and equitable deduction from the contract price is offered by the Contractor.
22. DELAYS; EXTENSION OF TIME:

Delays: If the Contractor is delayed in progressing any task which at the time of the delay is then critical, as set forth in the Contractor’s Critical Path Method schedule approved by the Awarding Authority and Designer under Article 9, or which during the delay became critical, as set forth in the Contractor’s Critical Path Method schedule approved by the Awarding Authority and Designer under Article 9, as the sole result of an act or omission of the Awarding Authority or of any other contractor on the site employed by the Awarding Authority, by strikes, lockouts, fires, abnormal floods, tornadoes, or other cataclysmic phenomenon of nature, or by causes beyond the Contractor’s control, then Contractor may be entitled to an extension of time, conditional that the Contractor does not experience a concurrent delay, in which to complete the Work, provided however, that the Contractor shall give written notice of such cause to the Awarding Authority not more than seven (7) days after the occurrence of the event or the first appearance of the condition giving rise to the claim and shall set forth in detail the Contractor’s basis for requiring additional time in which to complete the Work. Such time extensions shall only be allowed upon approval of the Awarding Authority. The failure of the Contractor to give such notice within seven (7) days shall constitute a waiver of any claim for an extension of time in which to complete the Work.

Extensions of time shall not be approved for delays due to rain, wind, flood, or other natural phenomenon of normal intensity for the locality, as defined by the NOAA 30 year average for the City of Tuscaloosa and as measured at the project site, nor for any delay occurring more than seven (7) days before written claim therefor is submitted by the Contractor. Extensions of time shall not be approved unless the timing of the event actually and adversely impacts the scheduled work. Additionally, no extension of time will be approved for any disruption to site accessibility for annually recurring events at the University of Alabama. Such events include but are not limited to home athletic events, graduation ceremonies, and residential move in/out days.

Extension of Time: In the event any material changes, alterations or additions are made to the Work which will require additional time for the execution of any work under the Contract Agreement, the time of completion of the work may be extended by such a period of time as may be approved by the Awarding Authority, provided that in such case the Contractor shall make a written request for a time extension to the Awarding Authority within seven (7) days after being notified in writing of such material changes, alterations or additions. No extensions of time shall be given for any minor changes, alterations or additions in the Work. The failure by Contractor to make such written request for a time extension within (7) days shall constitute a waiver of any claim for an extension of time in which to complete the Work. The Contractor shall not be entitled to any reparation or compensation on account of additional time or extensions of time required for the execution of the Work.

23. CORRECTION OF WORK BEFORE FINAL PAYMENT:

Any defective work, whether the result of poor workmanship, the use of defective materials, damage through carelessness of the Contractor or its employees, or any other cause, shall be removed from the premises within ten (10) days after written notice is given by the Awarding Authority, and promptly replaced and re-executed by the Contractor in accordance with the Contract requirements.
and without expense to the Awarding Authority. The Contractor shall also bear the expense of making good all work of the Awarding Authority or its other contractors destroyed or damaged by such removal and replacement.

24. **CORRECTION OF WORK AFTER FINAL PAYMENT:**

Verification and approval of the Final Application for Payment and the making of the Final Payment by theAwarding Authority shall not relieve the Contractor of responsibility for faulty materials or workmanship. The Awarding Authority shall promptly give notice of observed defects due to faulty materials or workmanship, and any damage to other work resulting therfrom. In accordance with the terms of any general or special guarantees provided in the Contract, the Contractor shall promptly replace any such defects discovered within one year from the date of written acceptance of the Work or Final Payment therefor, whichever is prior.

25. **AWARDING AUTHORITY’S RIGHT TO CORRECT DEFICIENCIES:**

Upon failure or neglect by the Contractor to properly prosecute or perform the Work in accordance with the Contract Documents, including any requirements with respect to the CPM schedule and/or progress charts, and after ten (10) days written notice to the Contractor by the Awarding Authority, the Awarding Authority, without prejudice to any other remedy it may have, may correct such deficiencies and may deduct the actual cost thereof from payment then or thereafter due to the Contractor.

In instances where the Contractor’s failure to properly prosecute and perform the Work in accordance with the Contract Documents has an actual, or imminent potential, adverse effect on public health, safety or convenience, the Awarding Authority may, after four (4) hours notice to the Contractor, and without prejudice to any other remedy it may have, correct such deficiencies and may deduct the actual cost thereof from payment then or thereafter due to the Contractor.

The Awarding Authority reserves the right to require the Contractor to provide, at Contractor’s expense, a warranty bond for items not installed per the Contract Documents that may impair or reduce the reasonably expected service life of the building or related components or systems.

26. **AWARDING AUTHORITY’S RIGHT TO TERMINATE CONTRACT:**

A. **TERMINATION FOR CAUSE**

If the Contractor should be adjudged a bankrupt, or if Contractor should make a general assignment for the benefit of its creditors, or if a receiver should be appointed on account of Contractor’s insolvency, or if Contractor should persistently or repeatedly refuse or fail, except in cases for which an extension of time is provided, to supply enough properly skilled workmen or proper materials, or if Contractor should fail to make prompt payment to Subcontractors for material or labor, or persistently disregard laws, ordinances, or the instructions of the Awarding Authority or Designer, or should otherwise be guilty of a substantial violation of any provision of the Contract, then the Awarding Authority, after giving the Contractor and its Surety, ten (10)
days’ written notice, may, without prejudice to any other right or remedy, terminate the employment of the Contractor and take possession of the premises and of all material, tools, equipment, and appliances thereon and finish the Work by whatever method the Awarding Authority may deem expedient. In such cases the Contractor shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the contract price shall exceed the expense of finishing the Work, including compensation for additional architectural, engineering, managerial, and administrative services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the Awarding Authority upon demand.

B. TERMINATION FOR CONVENIENCE

1. The Awarding Authority may, without cause and at any time, terminate the performance of Work under the Contract in whole, or in part, upon determination by the Awarding Authority that such termination is in the Awarding Authority’s best interest. Such termination is referred to herein as Termination for Convenience.

2. Upon receipt of a written notice of Termination for Convenience from the Awarding Authority, the Contractor shall:

   a) stop Work as specified in the notice;
   b) enter into no further subcontracts or purchase orders for items such as, but not limited to, materials, services, or facilities, except as may be necessary for Work directed to be performed prior to the effective date of the termination or to complete Work that is not terminated;
   c) terminate all existing subcontracts and purchase orders to the extent they relate to the terminated Work;
   d) take such actions as are necessary, or directed by the Architect or Awarding Authority, to protect, preserve, and make safe the terminated Work; and
   e) complete performance of the Work that is not terminated.

3. In the event of Termination for Convenience, the Contractor shall be entitled to receive payment for the Work performed prior to its termination, including materials and equipment purchased and delivered for incorporation into the terminated Work, which are the property of the Owner. Contractor shall also be entitled to receive payment for any reasonable and customary costs directly related to the termination and calculated in a manner consistent with Article 19, Changes in the Work. The Contractor shall not be entitled to receive payment for any profits anticipated to have been gained from the terminated Work. A proposal for decreasing the Contract Sum shall be submitted to the Architect by the Contractor in such time and detail, and with such supporting documentation, as is reasonably directed by the Awarding Authority. Final modification of the Contract shall be by Contract Change Order pursuant to Article 19.
27. CONTRACTOR’S RIGHT TO TERMINATE THE CONTRACT:

If the Work should be stopped under an order of any court, or other public authority, for a period of ninety (90) days, through no act or fault of the Contractor or of anyone employed by it, then the Contractor may, after fourteen (14) days’ written notice to the Awarding Authority, terminate this Contract and the Awarding Authority will reimburse the Contractor for all work properly executed and any loss sustained upon any plant or materials and any other proper item of damage.

28. APPLICATIONS FOR PARTIAL AND FINAL PAYMENTS:

Unless otherwise provided in the “Supplemental General Conditions” or the “Contract Agreement”, the Awarding Authority will make partial payments to the Contractor within twenty (20) official UA business days from the date of a properly submitted and duly certified and approved estimate of work as prepared by the Contractor on an Application for Payment form approved by the Designer and the Awarding Authority and submitted to the Awarding Authority through the Designer.

The Contractor shall, within ten (10) days after the Notice to Proceed, submit to the Awarding Authority with the Application for Payment form, a complete breakdown or schedule of values of the contract price showing the value assigned to each of the various parts of the Work, including an allowance for overhead and profit, aggregating the total contract price, and divided to facilitate payments to Subcontractors. Where Labor and Materials are both involved with the prosecution of the Work they shall be listed separately on the Contractor’s Schedule of Values to the approval of the Architect and UA Project Manager. Upon approval by the Awarding Authority, this breakdown of the contract price, unless later found to be in error, shall be used as a basis for all Applications for Payment. The Contractor shall supply with its schedule of values such data as the Designer and Awarding Authority may require to substantiate its accuracy. The Contractor shall not imbalance its schedule of values nor artificially inflate any element thereof.

The Contractor shall provide, no later than the last OAC of the month, a draft of the pay request for the period to be reviewed by the Architect/Engineer and Awarding Authority. This draft, and subsequently the approved pay application, shall have attached all items listed on the General Contractor’s Pay Request Check List.

An Application for Partial Payment shall include the Contractor’s cost of materials not yet incorporated in the Work, but delivered and suitably stored with adequate and reasonable care and control to protect against loss or damage. This includes materials stored both on-site and off-site. For materials stored off-site the Contractor shall provide proof of property or other suitable insurance in an amount equal to or greater than the cost of said stored materials as well as photographs, invoices, or other documentation deemed appropriate by the Awarding Authority of said materials with their Application for Partial Payment. The Awarding Authority reserves the right to observe and monitor the off-site stored materials. During the fabrication/manufacturing process any loss of materials or damage would be the responsibility of the property insurance carrier at the off-site location where fabrication/manufacturing is taking place.
In making partial payments, there shall be retained (five) 5 percent on the estimated amounts complete plus stored material until completion of (fifty) 50 percent of the contract, after which no additional retainage will be withheld. This retainage will be held by the Awarding Authority until final completion, advertisement, and acceptance of all work covered by the Contract, when Final Payment of the entire balance found to be due will be made.

The Contractor, immediately after being notified by the Awarding Authority that all other requirements of the Contract Documents have been completed, as evidenced by the Certificate of Substantial Completion, shall give notice of said completion by an advertisement for a period of four (4) successive weeks in some newspaper of general circulation published within the county where the Work was performed. Proof of publication of said Notice shall be made in duplicate by the Contractor to the Awarding Authority by affidavit of the publisher which shall include an original printed copy of the Notice published. Final Payment shall be due as noted by the Awarding Authority’s verification of the Final Application for Payment.

29. VERIFICATION, CERTIFICATION AND APPROVALS FOR PAYMENT:

When the Contractor has made application for Partial or Final Payment, the Awarding Authority shall verify the Application for Payment and shall make payment to the Contractor for such amount as the Awarding Authority determines to be properly due, or state in writing to the Contractor the Awarding Authority’s reasons for withholding verification and payment in whole or in part.

No such verification nor payment made to the Contractor, nor partial or entire use or occupancy of the work by the Awarding Authority shall be an acceptance of any work or materials not in accordance with the Contract.

All materials and work covered by partial payments made shall become the sole property of the Awarding Authority, but this provision shall not be construed as relieving the Contractor from the sole responsibility for the care and protection of materials and work upon which payments have been made or the restoration of any damaged work or as a waiver of the Awarding Authority’s right to require the fulfillment of all the terms of the Contract Documents by the Contractor.

30. PAYMENTS WITHHELD:

A. The Awarding Authority may withhold payment of the whole, or any part, of a verified or approved Application for Payment to the extent necessary to protect it against loss on account of any of the following causes discovered subsequent to its verification or approvals:

1. Defective Work not remedied by the Contractor nor, in the opinion of the Awarding Authority, likely to remedied by Contractor;

2. Evidence indicating probable filing of claims by other parties against the Contractor;

3. Failure of the Contractor to promptly make payments to Subcontractors, or for materials labors, foodstuffs, and supplies;
4. Damage to another contractor under a separate contract with the Awarding Authority;

5. Evidence indicating probable filing of claims by third parties against the Awarding Authority or the Awarding Authority’s property;

6. A dollar value will be assessed for final inspection punchlist items and held in addition to retainage until completed;

7. Reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance is insufficient to cover applicable liquidated damages.

B. When the above causes are removed, payments withheld will then be paid.

C. The Awarding Authority shall have the right to withhold from payments due to the Contractor under this Contract an amount equal to any amount which the Contractor owes the Owner under another Contract.

31. CONTRACTOR AND SUBCONTRACTOR INSURANCE: See Supplemental General Conditions

32. CONTRACT BONDS:

In order to insure the faithful performance of each and every condition, stipulation, and requirement of the Contract, and to indemnify and save harmless the Awarding Authority from any and all damages, either directly or indirectly, the successful Bidder to whom the Contract is awarded shall, within fifteen (15) calendar days after the Contract Agreement has been presented to Contractor for signature, unless otherwise stipulated, furnish at its own expense, and file with the Awarding Authority, an acceptable Surety Bond in an amount equal to one hundred (100%) percent of the contract price of the Contract as awarded. Said Bond shall be made on the approved bond form, shall be furnished by a reputable surety company authorized to do business in the State of Alabama, shall be countersigned by an authorized agent resident to do business in the State of Alabama, shall be countersigned by an authorized agent resident in the State who is qualified for the execution of such instruments, and shall have attached thereto power of attorney of the signing official. In case of default on the part of the Contractor, all expenses incident to ascertaining and collecting losses suffered by the Awarding Authority under the Bond, including architectural, engineering, administrative, and legal services shall lie against the Contract Bond for Performance of the Work.

In addition thereto the successful Bidder to whom the Contract is awarded shall, within fifteen (15) days after the Contract Agreement has been presented to Contractor for signature unless otherwise stipulated, furnish at its expense, and file with the Awarding Authority, an acceptable surety bond for Payment of Labor, Materials, Feedstuffs, and Supplies payable to the Awarding Authority in amount not less than fifty (50%) percent of the contract price, with the obligation that the Contractor shall promptly make payment to all persons furnishing him or them with labor, materials, feedstuffs, or supplies for, or in, the prosecution of the Work, including the payment of reasonable attorneys fees.
incurred by successful claimants or plaintiffs in suits on said bond. The date of neither bond shall be earlier that the date of the Contract Agreement.

Bonds shall remain in force during the entire guarantee period stipulated in General Conditions, Article 24 CORRECTION OF WORK AFTER FINAL PAYMENT.

33. DAMAGES:

Should either party to the Contract suffer damages because of any wrongful act or neglect of the other party, or of anyone employed by it, claim shall be made in writing to the other party within a reasonable time of the first observance of such damage, and not later that the date of the Application for Final Payment, excepts as expressly stipulated otherwise in the case of faulty work or materials.

34. CLAIMS:

Neither the Final Payment nor any part of the retained percentage shall become due until the Contractor, if required, shall deliver to the Awarding Authority a complete release of all claims arising out of the Contract, or receipts in lieu thereof and, if required in either case, an affidavit that so far as Contractor has knowledge or information the releases and receipts include all the labor and material for which a claim could be filed; but the Contractor may, if any Subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the Awarding Authority, to indemnify him against any claims. If any claim remains unsatisfied after all payments are made, the Contractor shall refund to the Awarding Authority all monies that the latter may be compelled to pay in discharging such a claim including all costs and a reasonable attorney’s fee.

35. ASSIGNMENT:

The Contractor shall not assign the Contract or sublet it as a whole without the written consent of the Awarding Authority, nor shall the Contractor assign any monies due or to become due to it hereunder without the previous written consent of the Awarding Authority.

36. MUTUAL RESPONSIBILITY OF CONTRACTORS:

If the Contractor or any of its Subcontractors cause any loss or damage to any separate contractor with a prior, concurrent, or subsequent contract on the Work or on the site, or cause any undue delay to such separate contractor on the Work or on the site, and if such contractor makes claim against the Awarding Authority, on account of any loss so sustained, the Awarding Authority shall notify the Contractor who shall indemnify and save harmless the Awarding Authority against any expenses arising therefrom.

37. SEPARATE CONTRACTS:

The Awarding Authority may award other contracts for additional new construction, buildings or equipment, or for reconstruction, alteration, equipment, and improvements of existing buildings on the site, and the Contractor shall fully cooperate in the storage of materials and the detailed execution
of work, coordinate and integrate its operations with such other contractors, and carefully fit its own work to that provided under other contracts. The Contractor shall not commit or permit any act which will interfere with the performance of work by any other contractor. The Contractor, including its Subcontractors, shall keep informed of the progress and the detail work of other contractors and shall notify the Awarding Authority immediately of lack of progress or defective workmanship on the part of other contractors, where such delay or such defective workmanship will interfere with its own operations of the Work.

38. SUBCONTRACTS:

The apparent low bidder shall submit in writing to the Awarding Authority Project Manager for approval the names of the Subcontractors proposed for the Work within 48 business hours from bid date and time. Subcontractors that have been approved may not be changed thereafter except with the approval of the Awarding Authority. With this same submittal, Contractor shall also submit said subcontractor’s Labor Burden Rate (as defined in Article 19.B.1.c.vi) for approval by the Awarding Authority.

The Contractor shall not engage any subcontractor to whom the Awarding Authority may have a reasonable objection, but it will not be required to engage any subcontractor against whom Contractor itself has a reasonable objection.

The Contractor shall be as fully responsible to the Awarding Authority for the acts and omissions of Subcontractors, and of persons employed by them, as Contractor is for the acts and omissions of persons directly employed by it.

Nothing contained in the Contract Documents shall create, or be construed as creating, privity of contract or any contractual relationship or agreement between the Awarding Authority and any Subcontractor, person or entity other than the Contractor.

39. RELATIONS OF CONTRACTOR AND SUBCONTRACTORS AND VENDORS:

The Contractor shall cause appropriate provisions to be inserted in all Subcontracts and Purchase Orders, including those items purchased under the Purchasing Agent Agreement, relative to the Work, to bind Subcontractors and Vendors to the Contractor by the terms of the Contract Documents insofar as applicable to the work of Subcontractors and Vendors, and which require the Subcontractor and Vendor to assume all obligations and responsibilities to the Contractor, including the safety of the Subcontractor’s work, which the Contractor owes the Awarding Authority under the Contract Documents and giving the Contractor any rights against the Subcontractor and Vendor that correspond to the rights afforded the Awarding Authority against the Contractor under the Contract Documents, including the same power of terminating any Subcontractors or Vendors that the Awarding Authority may exercise over the Contractor under any provisions of the Contract Documents.
The Articles, Divisions, Sections, or Paragraphs of the Specifications are not intended to control the Contractor in dividing the work among Subcontractors or Vendors or to limit the work performed by any trade. The Contractor shall be solely responsible for the coordination of Subcontractors, of the trades, and materialmen engaged upon the Work.

The Contractor, without additional expense to the Awarding Authority, shall utilize the services of specialty subcontractors on those parts of the Work which are specified to be performed by specialty subcontractors.

The Awarding Authority will not undertake to settle any differences between the Contractor and its Subcontractors or Vendors or between Subcontractors.

40. **DESIGNER'S STATUS:**

Should a Designer’s services be used the following describes its status. The Designer named in the Contract Documents, who prepared and furnished the Working Drawings and the Specifications contained therein, will prepare details and explanatory drawings, and provide instructions during the progress of the Work for transmittal by the Designer or Awarding Authority as above set forth under General Conditions, Article 3, ADDITIONAL DETAIL DRAWINGS AND INSTRUCTIONS. Designer will make its check of manufacturers’ data and shop drawings submitted by the Contractor for the Work as set forth under General Conditions, Article 5, SHOP DRAWINGS.

The Designer, if employed by the Awarding Authority to do so, will endeavor to require the Contractor to strictly adhere to the plans and Specifications, to guard the Awarding Authority against defects and deficiencies in the work of the Contractor, and shall promptly notify the Awarding Authority in writing of any significant departure in the quality of materials or workmanship from the requirements of the plans and Specifications, but Designer does not guarantee the performance of the Contract.

The Designer shall not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, unless spelled out in the Contract Documents, and Designer shall not be liable for results of the Contractor’s failure to carry out the Work in accordance with the Contract Documents.

The Designer shall not be responsible for the acts or omissions of the Contractor, or any Subcontractors, or any of the Contractor’s or Subcontractor’s agents or employees, or any other persons performing any of the Work.

41. **DESIGNER'S CHOICE:**

The Designer’s decisions in matter relating to the artistic effect of its work shall be final, if within the other terms of the Contract.
42. **AWARDING AUTHORITY’S DECISIONS:**

   Except as hereinabove provided, any dispute, claim, or question concerning the interpretation or meaning of the Contract Documents, or concerning a breach of the Contract, shall be submitted in writing to the Awarding Authority and its decision shall be returned to the Contractor in writing.

43. **CASH ALLOWANCES:**

   No cash allowances shall be included in the contract price, unless specifically set forth under SUPPLEMENTAL GENERAL CONDITIONS or MODIFICATIONS OF THE GENERAL CONDITIONS or ALLOWANCES in the Specifications. When so included, the Contractor shall include in the contract price all allowances named therein and shall procure any and all items or work covered by such allowances as directed by the Awarding Authority and Designer. The Contractor shall, in compliance with state and federal law, afford the Awarding Authority the economy of competitive pricing from responsible bidders for allowance items unless purchasing procedures are specified in the Contract Documents.

   Unless otherwise provided in the Contract Documents:

   (1) allowances shall cover the cost to the Contractor of materials and equipment delivered to the Project site and all applicable taxes remaining after purchases are made under the Purchasing Agent Agreement, less applicable trade discounts;

   (2) the Contractor's costs for unloading, storing, protecting, and handling at the site, labor, installation, overhead, profit and other expenses related to materials or equipment covered by an allowance shall be included in the Contract Sum but not in the allowances;

   (3) if required, the Contract Sum shall be adjusted by Change Order to reflect the actual costs of an allowance.

   Any procurement of materials or equipment required by the Architect or Owner under an allowance shall be made in sufficient time to avoid delay of the Work.

44. **USE OF PREMISES:**

   The Contractor shall take every precaution against injuries to persons or damages to property.

   The Contractor shall store its apparatus, materials, supplies, and equipment in such orderly fashion at the site of the Work as will not unduly interfere with the progress of its work or the work of any other contractors.

   Unless otherwise provided, temporary storage sheds, shops, and office facilities may be erected on the premises with the approval of the Awarding Authority. Such temporary buildings and/or utilities shall remain the property of the Contractor and be removed at its expense upon completion of the Work, unless the Awarding Authority authorizes their abandonment without removal.
Necessary crossings of curbing, sidewalks, roadways and parkways shall be protected against damage, and any damage shall be repaired by or at the expense of the Contractor.

The Contractor shall not place upon the Work, or any part thereof, loads inconsistent with the safety of that portion of the Work.

The Contractor shall schedule work which will affect services or access to any building(s) or infrastructure on campus at a time convenient to the Awarding Authority and to minimize disruptions. The contractor shall perform any necessary work after regular working hours, at an accelerated rate, or on Sundays or legal holidays without extra compensation.

The Contractor shall provide and maintain such sanitary accommodations for the use of its employees and those of its Subcontractors as may be necessary to comply with the requirements and regulations of the local and State Department of Health and other regulatory agencies.

The Contractor shall be responsible for maintaining safe and unencumbered access and egress to and around the project site including all necessary temporary signage and pedestrian and vehicular protection.

45. **CUTTING AND PATCHING:**

The Contractor shall do all necessary cutting, fitting, and patching to properly receive the Work and to make its several parts join together as required by the Drawings and Specifications. After such cutting, Contractor shall replace or restore or repair all defective or patched work as required. Contractor shall not cut, excavate, or otherwise alter any work in a manner or by a method or methods that will endanger the Work, adjacent property, workers, the public, or the work of any other contractor.

The Contractor shall check the location of all sleeves, openings, slots, etc., for the piping, ducts, breeching, conduits, louvers, grilles, fans, etc., as they are laid out on the job.

 Provision for openings, holes and clearances through walls, beams, floors, ceilings, and partitions shall be made and checked by the Contractor and/or its Subcontractor in advance for constructing such parts of the Work in order to avoid unnecessary, superfluous or dangerous cutting.

Unless otherwise specified, pipes passing through any parts of the Structure shall be provided with pipe sleeves two sizes larger that the pipe plus its insulation in order to provide independent movement.

Under no condition shall structural framing or other parts or members subjected to computed stress be cut or disturbed without the approval of the Designer. Any structural member which is cut must be restored by Contractor at its expense to its original strength by a method approved by the Designer.
In order to maintain design strengths, the Designer’s approval shall also be obtained before cutting or drilling holes in concrete or masonry.

46. **PERIODIC AND FINAL CLEANUP:**

The Contractor shall periodically clean up, and remove from the premises, all refuse, rubbish, scrap materials and debris to the end that at all times the premises are sanitary, safe, reasonably clean, orderly, and workmanlike. Trash and combustible materials shall not be allowed to accumulate inside buildings or elsewhere on the premises. At no time shall any rubbish be thrown from an opening.

Before final completion and final acceptance the Contractor shall remove from the Awarding Authority’s property, and from all public and private property, all tools, scaffolding, falsework, temporary structures and/or utilities including the foundations thereof (except such as the Awarding Authority permits in writing to remain); rubbish and waste materials; and all surplus materials, leaving the site clean and true to line and grade, and the Work in a safe and clean condition, ready for use and operation.

In addition to the above, the Contractor shall be responsible for the following special cleaning for all trades as the work shall have been completed:

A. cleaning of all painted, enameled, stained, or baked enamel work: Removal of all stains, fingerprints, and splatters from such surfaces.

B. cleaning of all glass: cleaning and removing of all stickers, labels, stains, and paint from all glass, and the washing and polishing of the interior and exterior of the same,

C. cleaning or polishing of all hardware;

D. cleaning all tile and floor finishes of all kinds: removal of all splatters, stains, paint, dirt and dust, and the washing and polishing of all floors as recommended by the manufacturer or as required by the Awarding Authority.

E. cleaning of all manufactured articles, materials, fixtures, appliances, and equipment: removal of all stickers, rust stains, labels and temporary covers; cleaning and conditioning of all manufactured articles, material, fixtures, appliances and electrical, heating and air conditioning equipment as recommended or directed by the manufacturers, unless otherwise required by the Awarding Authority; blowing out or flushing out of all foreign matter from all dust pockets, piping, tanks, pumps, fans, motors, devices, switches, panels, fixtures, boilers or similar features; and freeing or cleaning identification plates on all equipment of excess paint and the polishing thereof.

47. **GUARANTEE OF THE WORK:**

Except as otherwise specified in the Modifications of the General Conditions or in the Supplemental General Conditions, all work, including those items purchased under the Purchasing Agent Agreement, shall be guaranteed by the Contractor against defects of materials, equipment, or
workmanship for one year from the date of Substantial Completion of the Contract. If, within any guarantee period, repairs or changes which, in the opinion of the Awarding Authority, are required as the result of the use of such materials, equipment, or workmanship which are inferior, defective, or not in accordance with the terms of the Contract Documents, the Contractor, promptly upon receipt of notice from the Awarding Authority, and without expense to the Awarding Authority, shall:

A. place in satisfactory condition in every particular all of such guaranteed work, correcting all defects therein; and

B. make good all damage to the building or site, or equipment or contents thereof, which is the result of the use of materials, equipment, or workmanship which are inferior, defective, or not in accordance with the terms of the Contract; and

C. make good any work or material, or the equipment and contents of said building or site disturbed in fulfilling any such guarantee.

D. provide, at Contractor’s expense, a warranty bond for items not installed per the Contract Documents, but left in place that may impair or reduce the reasonably expected service life of the building or related components or systems.

In any case wherein fulfilling the requirements of the Contract or of any guarantee embraced in or required thereby, the Contractor disturbs any work guaranteed under another contract, Contractor shall restore such disturbed work to a condition satisfactory to the Awarding Authority and guarantee such restored work to same extent as it was guaranteed under such other contract.

If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee, the Awarding Authority may have the defects corrected and the Contractor and its Surety shall be liable for all expense incurred.

All special guarantees applicable to definite parts of the work that may be stipulated in the Contract Documents shall be subject to the terms of this paragraph during the first year of the life of such special guarantee.

48. POSSESSION PRIOR TO COMPLETION:

The Awarding Authority shall have the right use any completed or partially completed part of the Work. Such use shall not be deemed an acceptance of any Work not completed in accordance with the Contract Documents. If, however, such prior use by the Awarding Authority delays the progress of the Work or causes additional expenses to the Contractor, an equitable adjustment in the contract price and/or time of completion will be made and the Contract will be modified in writing accordingly. Use pursuant to Article 37 by the Awarding Authority’s contractor shall not constitute possession or the Work.
49. LIQUIDATED DAMAGES:

Time is of the essence of the Contract. Any delay in the completion of the Work as provided for in the Contract Documents will cause inconvenience to the public and will cause loss and damage to the Awarding Authority in additional interest and administrative, architectural, inspection and supervision charges. It is important that this Work be completed within the contract time limits.

Therefore, unless specified otherwise under SUPPLEMENTAL GENERAL CONDITIONS or MODIFICATIONS OF THE GENERAL CONDITIONS, a time charge equal to nine percent (9%) interest per annum of the total contract price will be made against the Contractor for the entire period that any part of the Work remains uncompleted after the time specified for the completion of the Work as provided in the Contract Documents. The amount of the time charge shall be deducted from the final estimate and shall be retained out of monies otherwise due the Contractor in Final Payment, not as a penalty, but as liquidated damages sustained, it being mutually understood and agreed between the contracting parties that such amount is reasonable as liquidated damages.

50. USE OF FOREIGN MATERIALS:

In accordance with the provisions of Article 39-3-1, Code of Alabama (1975) the Contractor shall use only materials, supplies, and products manufactured, mined, processed or otherwise produced in the United States or its territories, if same are available at reasonable and competitive prices and are not contrary to any sole source specification implemented under Article 39-2-2(f), Code of Alabama (1975).

If Contractor breaches this agreement to use domestic products, and domestic products are not used, there shall be a downward adjustment of the contract price equal to any realized savings or benefits to the Contractor.

In accordance with the provisions of Article 39-3-4, Code of Alabama (1975), the Contractor shall use only steel produced in the United States or its territories when specifications in the Contract Documents require the use of steel. If, in the opinion of the Awarding Authority, the procurement of such domestically produced steel products is impractical as a result of a national emergency, national strike, or other causes, it may waive this restriction for building construction. If Contractor breaches this agreement to use domestic steel products, and domestic steel products are not used, the Contract Agreement shall be automatically revoked and Contractor shall not be entitled to any recoupment for labor or materials used up to the time of such revocation.

51. EQUAL OPPORTUNITY:

The nondiscrimination clause contained in Article 202, Executive Order 11246, as amended by Executive Order 11375, relative to Equal Employment Opportunity for all persons without regard to race, color, religion, sex or national origin, and the implementing rules and regulations prescribed by the Secretary of Labor, are incorporated herein.
52. **SIGN:**

Unless deleted under SUPPLEMENTAL GENERAL CONDITIONS, MODIFICATIONS OF THE GENERAL CONDITIONS, OR DIRECTED BY THE AWARDING AUTHORITY the Contractor will erect a sign at the project site identifying the project and indicating those entities participating in the development of the project. Information to be lettered on the 4’ x 8’ exterior grade plywood sign will be furnished to the Contractor by the Awarding Authority. The sign is to be maintained in good condition until completion of the project at which time the Contractor shall remove it from the site. Details of construction of the sign shall be as Attachment A.

53. **NO SMOKING POLICY:**

Smoking, including the use of electronic cigarettes or similar devices, is prohibited at all times and at all locations on The University of Alabama campus, including University-owned and leased facilities, properties, and grounds. This includes but is not limited to the following:

- The interior of all University-owned buildings;
- All outside property or grounds of the campus, including sidewalks, parking lots, parking decks, and recreational areas;
- All partially enclosed areas such as walkways, breezeways, patios, porches, gazebos, tents, and bus shelters;
- Within any University-owned vehicles, including buses, vans, shuttles, golf carts, and all other University vehicles;
- All indoor and outdoor athletics venues and facilities; and
- All other real property, buildings, and facilities under the primary control of the University.

The Contractor shall strictly enforce this policy with its employees, subcontractors, vendors, and any other personnel during the course of the Work.

54. **PARKING & TRANSPORTATION REQUIREMENTS:**

No permits will be provided for construction vehicle parking in University designated parking areas. No permit required within construction fenced areas. Parking within construction fenced areas is to be directed and controlled by the Contractor and at the sole discretion of the contractor. The contractor shall provide a minimum of three (3) spaces for University personnel on site. As a convenience, The University shall provide designated offsite parking for workers and transportation to the project site as required by the project schedule, but not outside the hours of 6:30 AM to 8:00AM and 3:30 PM to 5:00 PM.

55. **CONSTRUCTION DEBRIS REPORTING:**

The Contractor will be responsible for tracking and reporting the construction debris (in tons) for the project. Construction debris consists of debris generated during the construction, renovation, and demolition of buildings or roads that is discarded in a permitted construction and materials landfill.
Debris may include but not limited to: concrete, brick, stone, metals, glass, plastics, gypsum drywall, wood, and asphalt. Submission of this report will be required at project closeout. It is not our intention to obtain tonnage for dirt. A certified report will be turned in as a part of Closeout documents.

56. **COMMERCIAL USE OF IMAGES OF THE WORK:**

Contractor shall not use photographs, video, drawings or any other visual representation of the Work for the commercial promotion of the Contractor’s business without the prior written permission of the Owner. This includes, but is not limited to, print and video advertisements, use at trade shows, submissions to professional organizations, and display on the Contractor’s web site. This provision shall also be binding on any of the Contractor’s subcontractors and Contractor shall require its subcontractors to agree to be bound by its terms.

**END OF GENERAL CONDITIONS OF THE CONTRACT**
SUPPLEMENTAL GENERAL CONDITIONS

1.1 The attached Insurance Requirements are to be used in lieu of Section 31 of the General Conditions.

1.2 Bidders are not to include Sales, Use, or Severance Taxes in their bids.

1.3 Awarded Bidder must show evidence of being enrolled in the U.S. Government E-Verify Program. Said evidence shall be submitted with the Contract for Construction. Failure to do so will be grounds for Contract not to be executed.

1.4 Awarded General Contractors shall accept Electronic Funds Transfer (Direct Deposit) in lieu of paper checks. They will receive a confirmation e-mail giving all details.

1.5 Progress schedule not submitted per Section 9 of General Conditions will result in the project being shut down until submitted, with time still running.

1.6 The University of Alabama (UA) encourages the use of minority, women, and veteran-owned businesses ("MWB") in its construction program. Contract goals for MWB participation will be established in the prebid meeting agenda and incorporated into the bid documents by addendum. The apparent low bidder shall identify all MWB participation on the standard form provided in the bid documents and submit the completed form with the list of subcontractors. At the completion of the project the Contractor shall, if necessary, update this information to reflect the actual amounts paid to each MWB firm.

1.7 With each pay request, the General Contractor shall include a current Certificate of Liability Insurance which meets the requirements set out in the UA Insurance Requirements for Contractors.

1.8 The General Contractor shall be responsible for maintaining a robust Hot Work Program (i.e., welding, cutting materials that generate sparks, operations generating sufficient heat to ignite combustible materials, etc.) that meets the requirements of OSHA 29CFR1926.352, NFPA 51B or other industry standard. This program shall include reliable methods to issue hot work permits, provide a fire watch when needed and to have fire extinguishers at the hot work location in the event of a fire. The General Contractor must extend this requirement to all subcontractors.

1.9 Under Alabama Act 2013-205, Certificate of Exemption from Sales and Use Tax for Governmental Entities, the Contractor is responsible for obtaining a Certificate of Exemption from the Alabama Department of Revenue for purchases of materials and other tangible personal property made part of the Project. Any subcontractors purchasing materials or other tangible personal property made part of the Project will be responsible for obtaining a Certificate of Exemption.
It is the General Contractor’s responsibility to comply with the law and the Department of Revenue regulations throughout the duration of the Project. Any delay in obtaining the Certificate(s) of Exemption due in whole or in part to the fault of the Contractor or subcontractor will not be cause for an extension of time for completion of the Project nor an increase in price.

2.0 General Contractors shall follow the Permitting, Inspection & Certificate of Occupancy Procedure for University of Alabama Projects that is included in the Contract Requirements of the Front End Documents.

2.1 UA Material Summaries are required for road, bridge, or any other projects defined by the contract documents.

2.2 Use of unmanned aircraft systems a/k/a “drones”: Any use of unmanned aircraft systems (“UAS”) during the course of the work shall be in strict accordance with the University’s Policy on Use of Unmanned Aircraft Systems which can be found at http://policies.ua.edu. The General Contractor shall be responsible for insuring all subcontractors, suppliers, and any employees thereof comply with the policy. In addition to the required permissions set out in the policy, the General Contractor shall also obtain approval from the UA Executive Director for Construction Administration (or designated representative) before the use of any UAS.

END OF SUPPLEMENTAL GENERAL CONDITIONS
THE UNIVERSITY OF ALABAMA
CONTRACTOR INSURANCE REQUIREMENTS

The University of Alabama (“University”) is exposed to a financial risk from negligent/wrongful acts when using contractors and construction-related services involving new construction, renovation, remodeling or general maintenance of properties owned or controlled by the University. To reduce this potential financial exposure, all contractors and construction-related operations are required to maintain a comprehensive insurance program as follows. Any modification to or waiver of the requirements must be submitted in writing to the Director of Contract Administration – Dan Rodgers, dorodgers@ua.edu, 205-348-2076, and approved in writing by the Director of Risk Management – Wade Bond, lwbond@ua.edu, 205-348-7516.

• **Commercial General Liability (“CGL”)** without limiting endorsements on an occurrence basis to cover the Contractor and its employees for all liability for bodily injury, property damage and personal injury with the following minimum limits:

  Each Occurrence $1,000,000
  Products/Completed Operations Aggregate (Per Project) $2,000,000
  Personal & Advertising Injury $1,000,000
  General Aggregate (Per Project) $2,000,000
  Fire Damage $100,000

  The CGL must be provided on either Insurance Service Offices (“ISO”) occurrence form #CG 00 01 (current edition) or an industry equivalent and must include Contractual Liability covering all contractual agreements, both oral and written, including but not limited to, the hold harmless and indemnification agreements in any contract between the University and the contractor. The policy must have ISO endorsement #GL 20 33, or industry equivalent to include the University as an additional insured. The CGL policy must be modified or endorsed to alter the absolute pollution exclusion language to provide coverage for hostile fire and windstorm. The policy must not exclude any claims resulting from an explosion/blasting, collapse, excavation, or underground work.

• **Pollution Legal Liability**: Optional – required if any specific environmental services are to be provided under the contract.

  Third Party Liability $2,000,000 per claim
  Third Party Clean Up $2,000,000 per claim

• **Commercial/Business Automobile Liability (“BA”)** applicable to all automobiles owned, hired, rented or used by the Contractor and automobiles not owned by but used on behalf of the Contractor. The BA policy must be provided on either ISO form #CA 00 01 (current edition) or an industry equivalent. In the event the Contractor’s automobiles haul hazardous materials in the Contractor’s policy must be amended to include Pollution Liability-Broadened Coverage (CA9948). Policy will provide the following minimum limits:

  Combined Single Limit $1,000,000
• **Excess/Umbrella Liability** with the following minimum limits:

Each Occurrence & Aggregate

$1,000,000 unless otherwise specified in the bid documents

The CGL and BA limits outlined above may be accomplished through a combination of primary and excess/umbrella liability policies written on a follow-form basis. In the event the primary CGL and/or BA limits are less than requested, the amount of required excess/umbrella liability will increase by amount the primary insurance is deficient.

• **Workers’ Compensation/Employer’s Liability** insurance for the benefit of injured employees as required by law and Employers Liability with the following minimum limits:

  | Workers Compensation (Coverage Part A) | Statutory |
  | Employer’s Liability (Coverage Part B) - Per Occurrence | $1,000,000 |

If applicable, the policy will be amended to provide coverage under the Longshoremen’s and Harbor Worker’s Compensation Act.

With the University’s prior approval, a vendor/contractor may be allowed to participate in a workers’ compensation self-insured (individual or group trust) program, and thus, waiving the A.B. Best’s or Standard & Poor’s rating requirement as long as self-insured is in good standing with the Alabama Department of Industrial Relations and evidence of excess insurance is provided.

• **Builder’s Risk**

  o The University is providing this coverage through a commercial insurer that offers a competitive program with a scope of coverage that is understood to be comprehensive by commercial insurance standards. The commercial insurer selected by the University will have an A. M. Best’s rating of no less than A- VIII. The General Contractor will be responsible for the $10,000 per occurrence deductible should claims be made. This will be reimbursed to the University through a reduction in the General Contractor’s Payment Application. The decisions of the builders risk insurer, on the calculation, applicability of coverage and settlement of claims will be final.

  o The limit for on-site stored materials is capped at the project value. Off-site limits are $1,000,000 per location. The limit for materials in transit is $1,000,000 and additional limits are available upon request and subject to acceptance by the underwriter.

  o The Builder’s Risk insurance program secured by the Owner does not provide coverage for damage, theft, or any other loss to tools or equipment owned, leased, or rented by the Contractor, employees of the Contractor, or any Subcontractor. There is coverage for scaffolds, forms and fences subject to a $1,000,000 limit.

  o **Protective Safeguard Requirements:**
    - The Contractor must take every reasonable effort to protect materials at off-site storage location(s) acceptable to Owner, and to prevent loss due to theft, vandalism, or other physical perils. At a minimum, the protective measures are to include documented storage with adequate protection to prevent theft, vandalism, and damage resulting from perils to include, but not limited to, fire,
rain, sleet, snow, ice, and wind. The storage location is required to have an alarm system activated by smoke/fire, unlawful entry, and water flow resulting from the discharge of a fire sprinkler system.

- Materials transported from off-site storage facilities to the site must be handled in a manner to prevent damage in transit. At a minimum, the protective measures must include the use of equipment designed for such application and with a rated capacity that is equal or greater than the materials being hauled. The materials must be protected to prevent damage resulting from perils to include, but not limited to, fire, rain, sleet, snow, ice, and wind and be secured in a manner to prevent falling and to afford reasonable protection in the event of collision, upset, or overturn. While in transit the driver may not leave the load unattended for any period longer than is absolutely necessary for refreshment, refueling, or restroom breaks.

**Insurance Company Minimums** - All policies will be underwritten by insurance companies acceptable to the University of Alabama. The insurance company must have a minimum A.M.Best’s rating of A-VIII or a Standard and Poor’s rating of BBB+ and shall be licensed as an admitted insurer or authorized by the Alabama Commissioner of Insurance as a surplus lines insurer.

**Certificate of Insurance Requirements** - Prior to the commencement of any work, the Contractor must provide a Certificate of Insurance on the ACORD form evidencing coverage in compliance with the University’s insurance requirements. The certificate of insurance will provide that the University of Alabama will be provided written notifications at least 30 days prior to any material change, cancellation or non-renewal of any policies indicated. All certificates shall be in original form and signed by a licensed Alabama agent.

The Certificate of Insurance shall include the following wording to extend additional insured status to the University and Hoar Program Management, L.L.C. and waived of subrogation/rights of recovery provisions to the University:

*The Board of Trustees of the University of Alabama, its individual trustees, officers, directors, employees, agents and representatives, the Architect/Engineer and Hoar Program Management, L.L.C. are included as additional insureds with respect to the Commercial General Liability and Commercial Excess/Umbrella policy. Unless precluded by law or restricted or modified by contract, all policies waive the right to recovery or subrogation against the Board of Trustees of the University of Alabama, its individual trustees, officers, directors, employees, agents and representatives.*

A replacement certificate must be provided at least 10 days prior to the expiration of any policy. In the event the coverage is placed with a new insurance company upon expiration, coverage may not be altered or substituted unless the coverage terms are beneficial to *The Board of Trustees of the University of Alabama.*

**Subcontractors** - If the contractor elects to engage the services of a subcontractor or other related construction services, it is the obligation of the primary or general contractor to confirm every subcontractor and every lower tier subcontractor meets the insurance requirements outlined above. If for any reason a subcontractor fails to procure and maintain insurance as required, all such required insurance shall be procured and maintained by the contractor at the contractor’s expense.

Although some subcontractors may be allowed an exemption to carry workers’ compensation insurance due to size or structure of the entity, the obligation to provide insurance is not waived.
**Duration of Insurance Coverage** – After substantial completion of the project and acceptance by the University, the contractor must renew all required insurance programs, other than the builder’s risk and installation floater for a minimum of 24 months. The coverage provided during the project shall not be altered or modified without approval from the University. The contractor may elect to change insurance carriers, but any replacement must provide equal coverage and a minimum financial rating as outlined above.

**Deductibles and/or Self-Insured Retentions ("SIR")** – A contractor may elect to secure an insurance program with a deductible or SIR of up to $25,000 without prior approval from the University. Any deductible or SIR larger than this amount must be approved by the University and audited financials will be required to judge the financial ability to absorb the obligations of a deductible or SIR without a material impact on the solvency of the contractor.

**Waivers of Subrogation/Additional Insured Status:** Unless precluded by law or restricted or modified by contract, all policies waive the right to recovery or subrogation against the Board of Trustees of the University of Alabama, its individual trustees, officers, directors, employees, agents and representatives. The policies shall provide such waivers of subrogation by endorsement or otherwise.

The Commercial General Liability and Commercial Excess/Umbrella Liability Policies shall name The Board of Trustees of the University of Alabama, its individual trustees, officers, directors, employees, agents, and representatives, HOAR Program Management, LLC, and the Architect/Engineer as additional insureds.
FORM OF ADVERTISEMENT FOR COMPLETION

LEGAL NOTICE

In accordance with Chapter 1, Title 39, Code of Alabama, 1975, notice is hereby given that

(Contractor)

Contractor, has completed the Contract for (Construction) (Renovation) (Alteration) (Equipment) (Improvement) of

(Name of Project)

at

(Insert location data in County or City)

for The Board of Trustees of the University of Alabama, Owner, and have made request for final settlement of said Contract. All persons having any claim for labor, materials, or otherwise in connection with this project should immediately notify

(Insert name of Architect)

(Contractor)

(Business Address)

NOTE: This notice must be run once a week for four successive weeks for projects exceeding $50,000.00, for projects of less than $50,000.00, run one time only. Proof of publication is required.

The purpose of this plan is to outline the steps that every employer and employee can take to reduce the risk of exposure to COVID-19. The plan describes how to prevent worker exposure to coronavirus, protective measures to be taken on the jobsite, personal protective equipment and work practice controls to be used, cleaning and disinfecting procedures, and what to do if a worker becomes sick.¹

[INSERT COMPANY NAME] takes the health and safety of our employees very seriously. With the spread of the coronavirus or “COVID-19,” a respiratory disease caused by the SARS-CoV-2 virus, we all must remain vigilant in mitigating the outbreak. This is particularly true for the construction industry, which has been deemed “essential” in many locations throughout the United States during this Declared National Emergency. In order to be safe and maintain operations, we have developed this COVID-19 Exposure Prevention, Preparedness, and Response Plan to be implemented throughout the Company and at all of our jobsites. We have also identified a team of employees to monitor available U.S. Center for Disease Control and Prevention (“CDC”) and Occupational Safety and Health Administration (“OSHA”) guidance on the virus.

This Plan is based on currently available information from the CDC and OSHA, and is subject to change based on further information provided by the CDC, OSHA, and other public officials. The Company may also amend this Plan based on operational needs.

¹ This template COVID-19 Exposure Prevention, Preparedness, and Response Plan for Construction has been developed by the Construction Industry Safety Coalition (“CISC”). The CISC is comprised of over 25 construction industry trade associations representing all aspects of the construction industry (visit: www.buildingsafely.org). The CISC was formed to provide information to the Occupational Safety and Health Administration and contractors on important safety and health issues. This document is a “template” that individual contractors should review carefully and tailor to their own work and jobsites. It does not constitute legal advice and should not be construed on its own as fulfilling a contractor’s overall obligations to ensure a safe and healthful work environment. Contractors should also consult with state and local ordinances regarding essential work in the areas they are operating. As the COVID-19 outbreak develops, the information and recommendations contained in this document may change and thus, contractors should continue to monitor developments in this area.
I. Responsibilities of Managers and Supervisors

All managers and supervisors must be familiar with this Plan and be ready to answer questions from employees. Managers and supervisors must set a good example by following this Plan at all times. This involves practicing good personal hygiene and jobsite safety practices to prevent the spread of the virus. Managers and supervisors must encourage this same behavior from all employees.

II. Responsibilities of Employees

We are asking every one of our employees to help with our prevention efforts while at work. In order to minimize the spread of COVID-19 at our jobsites, we all must play our part. As set forth below, the Company has instituted various housekeeping, social distancing, and other best practices at our jobsites. All employees must follow these. In addition, employees are expected to report to their managers or supervisors if they are experiencing signs or symptoms of COVID-19, as described below. If you have a specific question about this Plan or COVID-19, please ask your manager or supervisor. If they cannot answer the question, please contact [ADD TITLE HERE].

OSHA and the CDC have provided the following control and preventative guidance to all workers, regardless of exposure risk:

- Wear a face covering in situations where it is mandated by state or local rule or you must, or are likely to, work in proximity of six (6) feet from other employees. See Section IV.E. for further guidance regarding face coverings.

- Frequently wash your hands with soap and water for at least 20 seconds. When soap and running water are unavailable, use an alcohol-based hand rub with at least 60% alcohol.

- Avoid touching your eyes, nose, or mouth with unwashed hands.

- Follow appropriate respiratory etiquette, which includes covering for coughs and sneezes.

- Avoid close contact\(^2\) with people who are sick.

In addition, employees must familiarize themselves with the symptoms of COVID-19:

\(^2\) For the CDC’s definition of “close contact,” refer to the full definition on pg. 11 of this Plan.
• Coughing;
• Fever or chills;
• Shortness of breath, difficulty breathing;
• Fatigue;
• Muscle or body aches;
• Headache;
• New loss of taste or smell;
• Sore throat;
• Congestion or runny nose;
• Nausea or vomiting; and
• Diarrhea.

If you develop a fever and symptoms of respiratory illness, such as cough or shortness of breath, DO NOT GO TO WORK and call your healthcare provider right away. Likewise, if you come into close contact with someone showing these symptoms, call your healthcare provider right away.

III. Guidance for Critical Infrastructure Employers

The CDC has provided guidance for employers regarding safety practices for “critical infrastructure workers” who may have been exposed to a person with a suspected or confirmed case of COVID-19. Construction has been deemed as critical infrastructure by the U.S. Department of Homeland Security’s Cybersecurity and Infrastructure Security Agency (“CISA”) and many state and local jurisdictions have similarly deemed construction as critical infrastructure during the COVID-19 pandemic. Given this, [INSERT COMPANY NAME] is adopting the following protocol for employees exposed or potentially exposed to a suspected or confirmed case of COVID-19, consistent with CDC recommendations.

If a critical infrastructure employee has been exposed or potentially exposed to a suspected or confirmed case of COVID-19, [INSERT COMPANY NAME] will permit the employee to continue to work, but will implement the following practices:
• Measure temperature of employees before they enter the worksite (see Appendix A for additional information);

• Regularly monitor asymptomatic employees;

• Exposed or potentially exposed employees wear a mask/face covering for 14 days after exposure;

• Have employees maintain social distancing as work duties permit; and

• Routinely disinfect workspaces.

Depending upon workforce needs, [INSERT COMPANY NAME] may choose to keep the exposed or potentially exposed employee away from work for 14 days. See also Section VI below.

IV. Job Site Protective Measures

The Company has instituted the following protective measures at all jobsites.

A. General Safety Policies and Rules

• Any employee/contractor/visitor showing symptoms of COVID-19 will be asked to leave the jobsite and return home. [INSERT COMPANY NAME] may determine that taking employee/contractor/visitor temperatures at worksites is appropriate and restrict access based upon temperature readings. As an alternative to taking temperatures at the worksite, [INSERT COMPANY NAME] may request employees/contractors/visitors to take their own temperatures prior to coming to the worksite. (See Appendix A for additional information.)

• Safety meetings will be by telephone, if possible. If safety meetings are conducted in-person, attendance will be collected verbally and the foreman/superintendent will sign-in each attendee. Attendance will not be tracked through passed-around sign-in sheets or mobile devices. During any in-person safety meetings, avoid gathering in groups of more than 10 people and participants must remain at least six (6) feet apart.

• Employees must avoid physical contact with others and direct employees/contractors/visitors to increase personal space to at least six (6) feet, where possible. Where work trailers are used, only necessary employees should
enter the trailers and all employees should maintain social distancing while inside the trailers.

• Employees are encouraged to wear face coverings when they must work in proximity of six (6) feet from other employees. Note: employees must wear face coverings wherever mandated by state or local rule.

• All in-person meetings will be limited. To the extent possible, meetings will be conducted by telephone.

• Employees will be encouraged to stagger breaks and lunches, if practicable, to reduce the size of any group at any one time to less than ten (10) people.

• The Company understands that due to the nature of our work, access to running water for hand washing may be impracticable. In these situations, the Company will provide, if available, alcohol-based hand sanitizers and/or wipes.

• Employees should limit the use of co-workers’ tools and equipment. To the extent tools must be shared, the Company will provide alcohol-based wipes to clean tools before and after use. When cleaning tools and equipment, consult manufacturing recommendations for proper cleaning techniques and restrictions.

• Employees are encouraged to limit the need for N95 respirator use, by using engineering and work practice controls to minimize dust. Such controls include the use of water delivery and dust collection systems, as well as limiting exposure time.

• The Company will divide crews/staff into two (2) groups where possible so that projects can continue working effectively in the event that one of the divided teams is required to quarantine.

• As part of the division of crews/staff, the Company will designate employees into dedicated shifts, at which point, employees will remain with their dedicated shift for the remainder of the project. If there is a legitimate reason for an employee to change shifts, the Company will have sole discretion in making that alteration.

• Employees are encouraged to minimize ride-sharing. While in vehicle, employees must ensure adequate ventilation and consider the use of face coverings.

• If practicable, employees should use/drive the same truck or piece of equipment every shift.

• In lieu of using a common source of drinking water, such as a cooler, employees should use individual water bottles. Use of tobacco products (chewing tobacco, smoking), vaping, sunflower seeds, etc., should be avoided.
B. Workers entering Occupied Building and Homes

- When employees perform construction and maintenance activities within occupied homes, office buildings, and other establishments, these work locations present unique hazards with regards to COVID-19 exposures. All such workers should evaluate the specific hazards when determining best practices related to COVID-19.

- During this work, employees must sanitize the work areas upon arrival, throughout the workday, and immediately before departure. The Company will provide alcohol-based wipes for this purpose.

- Employees should ask other occupants to keep a personal distance of six (6) feet at a minimum. Workers should wash or sanitize hands immediately before starting and after completing the work.

C. Job Site Visitors

- The number of visitors to the job site, including the trailer or office, will be limited to only those necessary for the work.

- All visitors will be screened in advance of arriving on the job site. If the visitor answers “yes” to any of the following questions, he/she should not be permitted to access the jobsite:
  
  o Have you been confirmed positive for COVID-19 and have not yet been cleared to return to work?
  
  o Are you currently experiencing, or recently experienced, any acute respiratory illness symptoms such as fever, cough, or shortness of breath?
  
  o Have you been in close contact with any persons who have been confirmed positive for COVID-19 and are also exhibiting acute respiratory illness symptoms in the last 14 days?

[INSERT ADDITIONAL PRECAUTIONS THAT MAY BE SPECIFIC TO YOUR BUSINESS/OPERATIONS/PROJECTS] Additional Jobsite Safety Precautions Include:
o Have you been in close contact with any persons who have traveled and are also exhibiting acute respiratory illness symptoms in the last 14 days?

- [INSERT COMPANY NAME] may determine that taking visitor temperatures at worksites is appropriate and restricting access based upon temperature readings. As an alternative to taking temperatures at the worksite, [INSERT COMPANY NAME] may request visitors take their own temperatures prior to coming to the worksite. (See Appendix A for more information.)

- Site deliveries will be permitted but should be properly coordinated in line with the employer’s minimal contact and cleaning protocols. Delivery personnel should remain in their vehicles if at all possible.

D. Personal Protective Equipment and Work Practice Controls

- In addition to regular PPE for workers engaged in various tasks (fall protection, hard hats, hearing protection), employers will also provide:
  
o Gloves: Gloves should be worn at all times while on-site. The type of glove worn should be appropriate to the task. If gloves are not typically required for the task, then any type of glove is acceptable, including latex gloves. Employees should avoid sharing gloves.
  
o Eye protection: Eye protection should be worn at all times while on-site.
  
o **NOTE:** The CDC is currently not recommending that healthy people wear N95 respirators to prevent the spread of COVID-19. Employees should wear N95 respirators if required by the work and if available.

- Due to the current shortage of N95 respirators, the following Work Practice Controls should be followed:
  
o Keep dust down by using engineering and work practice controls, specifically through the use of water delivery and dust collection systems.
  
o Limit exposure time to the extent practicable.
  
o Isolate workers in dusty operations by using a containment structure or distance to limit dust exposure to those employees who are conducting the tasks, thereby protecting nonessential workers and bystanders.
  
o Institute a rigorous housekeeping program to reduce dust levels on the jobsite.
• To the extent that shortages of N95 respirators continue to occur, the Company will take the following steps in accordance with OSHA guidance to continue to protect employees where respirator use is required by other OSHA standards:

  o **Extended use or reuse of N95s** – If extended use or reuse of N95 respirators becomes necessary, the same employee is permitted to extend use of or reuse the respirator, as long as the respirator maintains its structural and functional integrity and the filter material is not physically damaged, soiled, or contaminated. The CDC has issued respirator reuse recommendations for healthcare facilities, which may be informative to the construction industry. Similarly, the FDA has issued guidance on decontaminating respirators.

  o **Use of expired N95s** – If N95s are not available and extended use or reuse of N95s is not possible, employees may use previously NIOSH-certified expired N95s.

  o **Non-NIOSH approved respirators** – If N95s are not available, extended use or reuse of N95s is not possible, and expired N95s are not available, employees may use respirators that are either certified under certain standards of other countries; or previously certified under the standards of other countries but beyond their manufacturer’s recommended shelf life. OSHA directs that respirators certified by the People’s Republic of China be used only after respirators from other countries are sought.

*E. Face Coverings*

[INSERT COMPANY NAME] has reviewed OSHA’s workplace classification scheme for worker exposure potential to COVID-19. While construction work could generally be considered “low risk” for viral transmission, some construction tasks or activities may involve working with others in proximity closer than six feet, including sitting in the same vehicle, and therefore might be considered as “medium risk” under the Agency’s risk pyramid.

Due to this and CDC recommendations, we are implementing a face covering policy for certain work activities for the foreseeable future, including those situations where (1) it is mandated by state or local rule, or (2) employees must work in proximity of six (6) feet from other employees. A face covering is a cloth, bandana, or other type of material that covers a person’s nose and mouth. Five general criteria for “cloth face coverings” are that the face covering should:

  • fit snugly against the side of the face and be secured under the chin;
  • be secured with ties or ear loops;
  • include multiple layers of fabric;
  • allow for breathing without restriction; and
  • be able to be laundered and machine-dried without damage or change to shape.
For further information, the CDC has issued guidance on how to wear, take off, and wash reusable face coverings.

Use of a face covering is not a substitute for the important workplace preventative technique of maintaining six (6) feet of physical distance from others.

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V. Job Site Cleaning and Disinfecting

The Company has instituted regular housekeeping practices, which includes cleaning and disinfecting frequently used tools and equipment, and other elements of the work environment, where possible. Employees should regularly do the same in their assigned work areas.

- Jobsite trailers and break/lunchroom areas will be cleaned at least once per day. Employees performing cleaning will be issued proper personal protective equipment (“PPE”), such as nitrile, latex, or vinyl gloves and gowns, as recommended by the CDC.

- Any trash collected from the jobsite must be changed frequently by someone wearing nitrile, latex, or vinyl gloves.

- Any portable jobsite toilets should be cleaned by the leasing company at least twice per week and disinfected on the inside. The Company will ensure that hand sanitizer dispensers are always filled. Frequently touched items (i.e., door pulls and toilet seats) will be disinfected frequently.

- Vehicles and equipment/tools should be cleaned at least once per day and before change in operator or rider.

- The Company will ensure that any disinfection shall be conducted using one of the following:
  - Common EPA-registered household disinfectant;
  - Alcohol solution with at least 60% alcohol; or
  - Diluted household bleach solutions (these can be used if appropriate for the surface).

- The Company will maintain Safety Data Sheets of all disinfectants used on site.
VI. Jobsite Exposure Situations

- Employee Exhibiting COVID-19 Symptoms

If an employee exhibits COVID-19 symptoms and thinks he or she may have COVID-19, the employee must remain at home and not report to work until: (1) at least 243 hours (1 full day) have passed since recovery;4 and (2) at least ten (10) days have passed since symptoms first appeared. To the extent practical, employees are required to obtain a doctor’s note clearing them to return to work.

If the employee’s symptoms can be attributed to another cause (e.g., asthma, allergies, stomach flu, etc.), employees may return to work earlier than the above timeline prescribes, however such employees are required to obtain a doctor’s note clearing them to return to work.

- Employee Tests Positive for COVID-19

An employee that tests positive for COVID-19 will be directed to self-quarantine away from work. Employees that test positive and are symptom free may return to work when at least ten (10) days have passed since the date of his or her first positive test, and have not had a subsequent illness. Employees that test positive and are directed to care for themselves at

3 NOTE TO EMPLOYERS: The CDC guidance currently recommends that the individual be symptom free for 24 hours. However, this is updated from the CDC’s initial guidance that recommended an individual be symptom free for 72 hours. As such, many state and local jurisdictions are still requiring a full 72 hours of being symptom free before being able to return to work and because these jurisdictions have enforcement authority (whereas the CDC does not), employers should be cognizant of whether they are still subject to the 72 hour time period.

4 Recovery is defined as: (1) resolution of fever without the use of fever-reducing medications; and (2) improvement in other symptoms (e.g., cough, shortness of breath).
home may return to work when: (1) at least 24\textsuperscript{5} hours (1 full day) have passed since recovery;\textsuperscript{2} and (2) at least ten (10) days have passed since symptoms first appeared. Employees that test positive and have been hospitalized may return to work when directed to do so by their medical care provider. The Company will require an employee to provide documentation clearing their return to work.

- **Employee Has Close Contact with a Tested Positive COVID-19 Individual**

Close contact is defined as being within six (6) feet of a COVID-19 positive individual for a cumulative total of 15 minutes or more over a 24-hour period. For example, three 5-minute exposures with three different COVID-19 positive individuals (or with just one COVID-19 positive individual) in a 24-hour period would be considered close contact.

Factors to consider include proximity (closer distance likely increases exposure risk), the duration of exposure (longer exposure time likely increases exposure risk), whether the infected individual has symptoms (the period around onset of symptoms is associated with the highest levels of viral shedding), if the infected person was likely to generate respiratory aerosols (e.g., was coughing, singing, shouting), and other environmental factors (crowding, adequacy of ventilation, whether exposure was indoors or outdoors). Additionally, because most employees have not been trained on the use of respirators and/or are not wearing respirators, and the efficacy of face coverings varies greatly by type, the use of respirators/face coverings by the infected person or the potentially exposed individual should not be considered in making a determination of “close contact.”

Employees that have come into close contact with a confirmed-positive COVID-19 individual (co-worker or otherwise), will be directed to either: (1) continue to work, provided they remain asymptomatic in accordance with Section III above; or, if they are symptomatic or the Company chooses to follow more conservative protocols, (2) self-quarantine for 14 days from the last date of close contact with the carrier.

However, if the employee who has had close contact with a tested positive COVID-19 individual previously developed COVID-19 within the previous three months and has recovered and remains without COVID-19 symptoms, the employee does not need to stay home.

If the Company learns that an employee has tested positive, the Company will conduct an investigation into co-workers that may have had close contact with the confirmed-positive employee in the prior 14 days and direct those individuals that have had close contact with the

\textsuperscript{5} NOTE TO EMPLOYERS: The CDC guidance currently recommends that the individual be symptom free for 24 hours. However, this is updated from the CDC’s initial guidance that recommended an individual be symptom free for 72 hours. As such, many state and local jurisdictions are still requiring a full 72 hours of being symptom free before being able to return to work and because these jurisdictions have enforcement authority (whereas the CDC does not), employers should be cognizant of whether they are still subject to the 72 hour time period.
confirmed-positive employee to either continue to work, provided they remain asymptomatic in accordance with Section III above, or, if they are symptomatic or the Company chooses to follow more conservative protocols, to self-quarantine for 14 days from the last date of close contact with the carrier. If an employee learns that he or she has come into close contact with a confirmed-positive individual outside of the workplace, he/she must alert a manager or supervisor of the close contact.

VII. OSHA Recordkeeping

When to Record a COVID-19 Case on the OSHA 300 Log

Record the case on your OSHA 300 log if: (1) the case is a tested-positive confirmed case of COVID-19; (2) the case is work-related (see below for more information); and (3) the case involves death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, loss of consciousness, and/or a significant injury or illness diagnosed by a physician or other licensed healthcare professional.

The key to determining if a COVID-19 positive employee’s sickness is recordable is whether the case is work-related. In order to make this determination, at the time the Company learns of a COVID-19 positive employee, the Company must investigate the work-relatedness of the case.

According to OSHA, a reasonable investigation involves:

1. Asking the employee how s/he believes s/he contracted COVID-19;
2. While respecting the employee’s privacy, asking the employee about his/her work and out-of-work activities that may have led to the COVID-19 contraction; and
3. Reviewing the employee’s work environment for potential exposure – e.g., determining whether other employees in the work environment also were confirmed with COVID-19.

As noted above, this analysis must be conducted at the time the Company learns that an employee is COVID-19 positive. If, however, the Company later learns of additional evidence related to an employee’s COVID-19 illness, that information should be used to determine the work-relatedness of a case.

OSHA has provided the following scenarios as work-related guideposts.

Work-Related

- COVID-19 illnesses are likely work-related when several cases (clusters) develop among workers who work closely together and there is no alternative explanation.
- An employee’s COVID-19 illness is likely work-related if it is contracted shortly after lengthy, close exposure to a particular customer or coworker who has a confirmed case of COVID-19 and there is no alternative explanation.
• An employee’s COVID-19 illness is likely work-related if his/her job duties include having frequent, close exposure to the general public in a locality with ongoing community transmission and there is no alternative explanation.

Not Work-Related

• An employee’s COVID-19 illness is likely not work-related if s/he is the only worker to contract COVID-19 in his/her vicinity and his/her job duties do not include having frequent contact with the general public, regardless of the rate of community spread.
• An employee’s COVID-19 illness is likely not work-related if s/he, outside the workplace, closely and frequently associates with someone (e.g., a family member, significant other, or close friend) who (1) has COVID-19; (2) is not a coworker, and (3) exposes the employee during the period in which the individual is likely infectious.

When to Report a COVID-19 Case to OSHA

If you have determined that an employee with a confirmed case of COVID-19 is work-related, you must report the case to OSHA if it results in a fatality or an in-patient hospitalization of one or more employees.

If the fatality due to COVID-19 occurs after 30 days or more from the workplace incident leading to the illness, you are not required to report it.

If the in-patient hospitalization occurs after 24 hours or more from the workplace incident leading to the illness, you are not required to report it.

VIII. “Essential” Industry

Several States and localities are issuing orders that prohibit work and travel, except for essential businesses. In general, construction work has been deemed essential and the Company is committed to continuing operations safely. If upon your travel to and from the worksite, you are stopped by State or local authorities, you will be provided a letter that you can show the authorities indicating that you are employed in an “essential” industry and are commuting to and from work.

IX. Confidentiality/Privacy

Except for circumstances in which the Company is legally required to report workplace occurrences of communicable disease, the confidentiality of all medical conditions will be maintained in accordance with applicable law and to the extent practical under the circumstances. When it is required, the number of persons who will be informed of an
employee’s condition will be kept at the minimum needed not only to comply with legally-required reporting, but also to assure proper care of the employee and to detect situations where the potential for transmission may increase. A sample notice to employees is attached to this Plan. The Company reserves the right to inform other employees that a co-worker (without disclosing the person’s name) has been diagnosed with COVID-19 if the other employees might have been exposed to the disease so the employees may take measures to protect their own health.

X. General Questions

Given the fast-developing nature of the COVID-19 outbreak, the Company may modify this Plan on a case by case basis. If you have any questions concerning this Plan, please contact [ADD TITLE HERE.]
Appendix A – Temperature Screening Guidance

General Considerations\textsuperscript{6}

- Certain local jurisdictions have recommended or required employers to conduct temperature screenings of employees as they enter the worksite. Any applicable federal, state, or local requirements on employee temperature screenings should be consulted prior to performing them.

- Temperature screenings must be conducted consistently, professionally, and with proper training for those conducting the checks. Such checks must be uniformly and non-discriminatorily conducted on all employees (as well as contractors, vendors, customers, and/or visitors, if they will also be screened).

- Any information obtained from temperature screenings should be stored securely with access limited to those with a business need to know. It is essential to have proper documentation in the event that an individual needs to be excluded from the worksite based on the results of their temperature screening. If excluding individuals from a worksite based upon temperature, a set temperature should be established, based upon public health recommendations. Many employers have set the temperature required for exclusion at 100.4 degrees Fahrenheit or above.

- Wage protocols and procedures to account for any potential time spent waiting in line to be screened must also be considered. This is particularly important at worksites where there may be numerous workers reporting to their shift at the same time and only one or two individuals conducting the temperature screenings. Any existing Collective Bargaining Agreements should also be considered.

Options for Screening

- There are two options for how temperature screening can be conducted:
  - By the employee, at home, prior to leaving for work; or
  - By the employer, at the worksite, when the employee arrives to report for their shift.

- Types of temperature screeners:

\textsuperscript{6} Temperature screening involves numerous, difficult legal issues. This Appendix does not represent a comprehensive discussion of all of those issues. It is intended to provide some basic guidance to contractors who might be performing screening. Contractors should consult with legal counsel before implementing a screening program.
Traditional digital thermometers applied typically in the ear. These thermometers should only be used with a temperature screening policy that requires employees to conduct such screenings at their homes, prior to leaving for their shift. These types of thermometers should not be used by employers at the worksite as there would be a high risk of exposure for the individuals conducting such temperature screenings.

Infrared thermometers. Infrared thermometers are the most practicable and safe option for conducting screening at work. However, the individual conducting such temperature screening must still be provided with appropriate protective gear. If the infrared thermometer does not allow the individual conducting the screening to stand at least six feet from the employee being screened, the following protective gear is recommended:

- The individual conducting the screening should wear a face covering and gloves. If at all possible, the employee being screened should wear a face covering as well during the check.

- If the employee is not wearing a face covering, the individual conducting the screening should wear a gown and eye protection in addition to a face covering and gloves.

If the individual conducting the screening is able to stand six feet or more from the employee being screened, no additional protective gear is necessary, though a face mask and gloves are recommended.
Essential Industry Employee

Re: Shelter-in-Place Orders

To whom it may concern:

Please be informed that the bearer of this letter is employed at [COMPANY NAME], located at [COMPANY ADDRESS]. The Company is a [name type of contractor]. We have reviewed all applicable Orders and have determined that our operations qualify as essential/critical infrastructure and that we are able to continue to operate under those Orders.

Employees in possession of this letter have been deemed essential to the minimum basic operations of our business. All non-essential personnel have been notified to work remotely until further notice. Employees who are critical to the minimum basic operations of the business have been instructed to comply with social distancing rules/requirements in the jurisdiction, as well as other safety and health precautions.

If you have questions regarding the nature or scope of this letter, please do not hesitate to contact [insert contact name] at [insert contact number and/or email].

Sincerely,

EXECUTIVE NAME

TITLE
Employee Notification

DATE: [DATE]

TO: [CLOSE CONTACT EMPLOYEE]

FROM: [COMPANY REP]

We have been informed by one of our [employees/customer/vendor/etc] working at [SITE] that he/she has a confirmed case of COVID-19, commonly known as “Coronavirus,” based on test results obtained on [DATE]. Per company policy, this [employee/customer/vendor/etc] has been directed to self-quarantine until permitted to return to work.

We are alerting you to this development because, based on the Company’s investigation, we believe that you may have come into contact with the confirmed-positive case, on or about [DATE]. As a critical infrastructure employee, [INSERT COMPANY NAME] will permit you to work provided you remain asymptomatic. In addition, we are implementing the following practices:

- Measuring temperature of employees before they enter the worksite;
- Regularly monitoring asymptomatic employees;
- Ensuring employees maintain social distancing as work duties permit; and
- Routinely disinfecting workspaces.

You are also required to wear a face covering at all times while at the worksite for at least 14 days. Please inform [COMPANY CONTACT] if any of the following occur to you during the next 14 days: you experience flu-like symptoms, including fever, cough, sneezing, or sore throat; or you test positive for COVID-19.

We also want to take this opportunity to remind you that one of our core values as a company is respect for and among our employees [or customers]. We will treat information regarding the identity of employees [or customers] with suspected or confirmed cases of COVID-19 as confidential to the extent practicable and will comply with applicable laws regarding the handling of such information. Further, per Company policy, we will not tolerate harassment of, or discrimination or retaliation against, employees [or anyone].

Please contact [COMPANY CONTACT AWARE OF APPROPRIATE PROTOCOLS] at [PHONE NUMBER] if you have any questions or concerns.

For more information about COVID-19, please visit the CDC website at: http://www.cdc.gov/coronavirus/2019-ncov/index.html
COVID-19 Checklist for Employers and Employees

Know the Symptoms of COVID-19
- Coughing; Fever or chills; Shortness of breath, difficulty breathing; Fatigue; Muscle or body aches; Headache; New loss of taste or smell; Sore throat; Congestion or runny nose; Nausea or vomiting; and Diarrhea.
- Early symptoms may include chills, body aches, sore throat, headache, diarrhea, nausea/vomiting, and runny nose. If you develop a fever and symptoms of respiratory illness, DO NOT GO TO WORK and call your health-care provider immediately. Do the same thing if you come into close contact with someone showing these symptoms.

Employer Responsibilities
- Conduct safety meetings (toolbox talks) by phone if possible. If not, instruct employees to maintain 6-feet between each other. The foreman/supervisor will track attendance verbally rather than having employees sign an attendance sheet.
- Access to the job site and work trailer will be limited to only those necessary for the work.
- All visitors will be pre-screened to ensure they are not exhibiting symptoms.
- Employees, contractors, and visitors will be asked to leave the jobsite and return home if they are showing symptoms.
- Provide hand sanitizer and maintain Safety Data Sheets of all disinfectants used on site.
- Provide protective equipment (PPE) to any employees assigned cleaning/disinfecting tasks.
- Talk with business partners about your response plans. Share best practices with other businesses in your communities (especially those in your supply chain), chambers of commerce, and associations to improve community response efforts.

Employee Responsibilities
- Become familiar with the Exposure Action Plan and follow all elements of the Plan.
- Practice good hygiene: wash hands with soap and water for at least 20 seconds or use 60% or more alcohol-based hand rub. Avoid touching your face, eyes, food, etc. with unwashed hands.
- Wear face coverings when mandated by state or local rule or when working in proximity of six (6) feet from other employees.

Cleaning/Disinfecting Job Sites and Other Protective Measures
- Clean and disinfect frequently used tools and equipment on a regular basis. This includes other elements of the jobsite where possible. Employees should regularly do the same in their assigned work areas.
- Clean shared spaces such as trailers and break/lunchrooms at least once per day.
- Disinfect shared surfaces (door handles, machinery controls, etc.) on a regular basis.
- Arrange for any portable job site toilets to be cleaned by the leasing company at least twice per week and disinfected on the inside.
- Trash collected from the jobsite must be changed frequently by someone wearing gloves.

Personal Protective Equipment and Alternate Work Practice Controls
- Provide and wear the proper PPE.
- Keep the dust down by using engineering and work practice controls, specifically through the use of water delivery and dust collection systems.
COVID-19 Toolbox Talk

What is COVID-19?

The novel coronavirus, COVID-19 is one of seven types of known human coronaviruses. COVID-19, like the MERS and SARS coronaviruses, likely evolved from a virus previously found in animals. The remaining known coronaviruses cause a significant percentage of colds in adults and children, and these are not a serious threat for otherwise healthy adults.

Patients with confirmed COVID-19 infection have reportedly had mild to severe respiratory illness with symptoms such as fever, cough, and shortness of breath.

According to the U.S. Department of Health and Human Services/Centers for Disease Control and Prevention (“CDC”), Chinese authorities identified an outbreak caused by a novel—or new—coronavirus. The virus can cause mild to severe respiratory illness. The outbreak began in Wuhan, Hubei Province, China, and has spread to a growing number of other countries—including the United States.

How is COVID-19 Spread?

COVID-19, like other viruses, can spread between people. Infected people can spread COVID-19 through their respiratory secretions, especially when they cough or sneeze. According to the CDC, spread from person-to-person is most likely among close contacts (about 6 feet). Person-to-person spread is thought to occur mainly via respiratory droplets produced when an infected person coughs or sneezes, like how influenza and other respiratory pathogens spread. These droplets can land in the mouths or noses of people who are nearby or possibly be inhaled into the lungs. It is currently unclear if a person can get COVID-19 by touching a surface or object that has the virus on it and then touching their own mouth, nose, or possibly their eyes.

In assessing potential hazards, employers should consider whether their workers may encounter someone infected with COVID-19 in the course of their duties. Employers should also determine if workers could be exposed to environments (e.g., worksites) or materials (e.g., laboratory samples, waste) contaminated with the virus.

Depending on the work setting, employers may also rely on identification of sick individuals who have signs, symptoms, and/or a history of travel to COVID-19-affected areas that indicate potential infection with the virus, in order to help identify exposure risks for workers and implement appropriate control measures.

There is much more to learn about the transmissibility, severity, and other features associated with COVID-19, and investigations are ongoing.
COVID-19 Prevention and Work Practice Controls:

Worker Responsibilities

- Frequently wash your hands with soap and water for at least 20 seconds. When soap and running water are unavailable, use an alcohol-based hand rub with at least 60% alcohol. Always wash hands that are visibly soiled.
- Cover your mouth and nose with a tissue when you cough or sneeze or use the inside of your elbow.
- Avoid touching your eyes, nose, or mouth with unwashed hands.
- Avoid close contact with people who are sick.
- Employees who have symptoms (i.e., fever, cough, or shortness of breath) should notify their supervisor and stay home—DO NOT GO TO WORK.
- Sick employees should follow CDC-recommended steps. Employees should not return to work until the criteria to discontinue home isolation are met, in consultation with healthcare providers and state and local health departments.

General Job Site / Office Practices

- Clean AND disinfect frequently touched objects and surfaces such as workstations, keyboards, telephones, handrails, and doorknobs. Dirty surfaces can be cleaned with soap and water prior to disinfection. To disinfect, use products that meet EPA’s criteria for use against SARS-CoV-2, the cause of COVID-19, and are appropriate for the surface.
- Avoid using other employees’ phones, desks, offices, or other work tools and equipment, when possible. If necessary, clean and disinfect them before and after use.
- Clean and disinfect frequently used tools and equipment on a regular basis.
  - This includes other elements of the jobsite where possible.
  - Employees should regularly do the same in their assigned work areas.
- Clean shared spaces such as trailers and break/lunchrooms at least once per day.
- Disinfect shared surfaces (door handles, machinery controls, etc.) on a regular basis.
- Avoid sharing tools with co-workers if it can be avoided. If not, disinfect before and after each use.
- Arrange for any portable job site toilets to be cleaned by the leasing company at least twice per week and disinfected on the inside.
- Any trash collected from the jobsite must be changed frequently by someone wearing gloves.
- In addition to regular PPE for workers engaged in various tasks (fall protection, hard hats, hearing protection), employers will also provide:
  - Gloves: Gloves should be worn at all times while on-site. The type of glove worn should be appropriate to the task. If gloves are not typically required for the task, then any type of glove is acceptable, including latex gloves. Gloves should not be shared if at all possible.
  - Eye protection: Eye protection should be worn at all times while on-site.
Some employees may be required to wear face coverings, including in those situations where (1) it is mandated by state or local rule, or (2) employees must work in proximity of six (6) feet from other employees. A face covering is a cloth, bandana, or other type of material that covers a person’s nose and mouth. The CDC lists five criteria for “cloth face coverings”: the face covering should: fit snugly but comfortably against the side of the face; be secured with ties or ear loops; include multiple layers of fabric; allow for breathing without restriction; and be able to be laundered and machine-dried without damage or change to shape. Use of a face covering is not a substitute for other workplace preventative techniques that are outlined in this Plan.
DIVISION 01

GENERAL REQUIREMENTS
INVITATION FOR BID

The University of Alabama requests sealed bids as per attached general and technical specifications or equal unless otherwise specified in the Special Conditions.

All Bidders submitting a bid must read all specifications carefully and respond accordingly. Failure to do so may eliminate your bid from consideration due to non-compliance.

1.0 GENERAL SPECIFICATIONS

1.1 Any contract resulting from this request will be made available to other eligible entities. This may include but is not limited to; The University of Alabama System, comprised of The University of Alabama; The UAB Enterprise, consisting of The University of Alabama at Birmingham, the UAB Health System and their related foundations and affiliates, and The University of Alabama in Huntsville, Huntsville, AL; and other state entities. Contracts resulting from the award of this request cover shipments by any entity listed above. Each entity will generate its own purchase orders, payments, etc. and delivery must be made according to the instructions on the purchase order.

The thrust of the contract is to obtain greater volume price discounts by combining the volume of purchases from participating entities within the State of Alabama.

1.2 All bid responses, technical information and any other attachments furnished to The University of Alabama in response to this request shall be submitted sealed in two formats, as an original copy (WITH SIGNATURE) and an electronic (PDF preferred) copy on a USB flash drive, unless otherwise stated.

1.3 The stated requirements appearing elsewhere in this solicitation shall become a part of the terms and conditions of any resulting contract. Any deviations there from must be specifically defined. If accepted by the University, the deviations shall become part of the contract, but such deviations must not be in conflict with the basic nature of this solicitation.

Note: Bidders shall not submit their standard terms and conditions or purchase order terms as exceptions to or modification of the terms and conditions of this solicitation. Each exception to or modification of a University term and condition shall be individually listed by the bidder. Failure to follow this instruction may result in the determination that a bid submission is non-responsive to a solicitation and the rejection of that bid.

1.4 The issuance of a University Purchase Order (P#) or a signed Contract document is required to constitute a contract between the successful Bidder and the University which shall bind the successful Bidder to furnish and deliver the commodities ordered at the prices, terms and conditions quoted and in accordance with the specifications of this Solicitation as well as the terms and conditions of the University's Purchase Order or Contract. No shipments are to be made to The University of Alabama without the issuance of a Purchase Order (P#). (Bidders are not to accept or ship items against a requisition number "R" #.)

1.5 Any questions concerning these specifications should be directed to the Buyer listed on the signature page.

1.6 No department, school or office at the University has the authority to solicit or receive official Solicitations nor authorize Solicitation or Contract changes other than the Purchasing Department. All solicitations are issued under the direct supervision of the Associate Director for Purchasing and in complete accordance with the State of Alabama Bid Law, Section 41-16-20 and University policies and procedures.

1.7 The terms and conditions included in this Solicitation along with any addenda, any University contract and/or University purchase order(s) issued referencing this Solicitation, the University's General Terms and Conditions, Instructions to Bidders shall constitute the entire and exclusive Contract between the University and the successful Bidder.
1.8 State of Alabama Immigration Law Compliance

Compliance Notice.

By submitting a proposal to this RFP, a Respondent agrees that it will fully comply with the State of Alabama Immigration Law (Act 2011-535), as amended. A Respondent also shall enroll in the E-Verify Program prior to performing any work, or continuing to perform any on-going work, and shall remain enrolled throughout the entire course of its performance of the contract awarded pursuant to this RFP. By signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the state of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.” To the fullest extent permitted by law, the Contractor shall defend, indemnify and hold harmless the University from any and all losses, consequential damages, expenses (including but not limited to, attorneys’ fees), claims, suits, liabilities, fines, penalties, and any other costs arising out of or in any way related to Contractor’s failure to fulfill its obligations contained in this paragraph or contained in the Alabama Immigration Law (Act 2011-535), as amended.

State of Alabama Immigration Law (Act 2011-535)

The successful contractor will be required to provide written certification they are in compliance with Section 9 of the State of Alabama Immigration Law (Act 2011-535). One of the two required documents must be submitted prior to issuance of a University contract or purchase order. Please complete and submit the form or document that applies to your company.

Complete this document only, if your company is not located in Alabama and your company does not have employees or subcontractors that work in the State of Alabama.

- Certification of Compliance and affidavit forms included with this solicitation (see Appendix – Certification of Compliance)

Complete the E-Verify document online, if your company is located in Alabama or your company has employees working in Alabama

- Contractor’s one-page E-verify Employment Eligibility Verification form (see example included in Appendix - E-Verify).

If you have previously enrolled in E-Verify, follow these instructions:

- Log onto www.uscis.gov/everify
- Click “Edit Company Profile” and print this one-page document.
- This one-page document must be submitted prior to a contract or purchase order being issued.

If you are not currently enrolled in E-Verify, follow these instructions:

- Log onto www.uscis.gov/everify
- Click “Enroll in E-Verify” and follow the directions to begin enrollment process.
- When enrollment process is complete, click “Edit Company Profile” and print this one-page document.
- This one-page document must be submitted prior to a contract or purchase order being issued.
- For further assistance please consult the E-Verify Quick Reference Guide
2.0 QUALIFICATIONS AND STANDARDS

Due to the importance of maintaining a safe University environment, it is imperative that the successful bidder meet certain qualifications that will guarantee The University of Alabama the successful Bidder is qualified to furnish and deliver products, equipment and services or furnish, deliver, install, service and/or repair equipment whichever is applicable as required in this Solicitation. In order for Bidders to qualify, the following requirements must be fulfilled:

2.1 The Bidder, if requested, must provide in writing, a statement that the Bidder has been regularly engaged in business for a minimum three (3) years engaging in furnishing, delivering, servicing, repairing and installing, equipment, goods, or services required in this Solicitation. In lieu of the minimum number of years in business, a performance bond may be required in the amount of one hundred (100%) percent of the contract price. This bond will be used to secure the completion of the project should the successful Bidder default for any reason. Failure to comply with this requirement may eliminate your bid response from consideration.

2.2 Each bidder required to provide a bond, shall submit a letter from a bonding agent licensed to do business in the State of Alabama stating that if the bidding company is the successful bidder, said bonding agent will furnish a 100% performance and payment bond covering and including products and service for the duration of the contract period. Said bond shall be subject to the approval and acceptance of The University of Alabama. The Letter and Bond shall be submitted to the University Purchasing Department and must be furnished within forty-eight (48) hours after request. The premium of the bond shall be paid by the successful bidder. Failure to provide the bond letter or bond will eliminate your bid from consideration in the bid award.

3.0 REFERENCES - Not Applicable.

4.0 PRODUCT SPECIFICATIONS - Not Applicable.

5.0 PRICE QUOTATION

5.1 IMPORTANT: It is required that the PRICE QUOTATION SHEET(S) furnished with this Request for Price Quotation be completed and submitted with your proposal. DO NOT send generated price lists as your bid. Failure to comply with this request may eliminate your bid from consideration in the bid award.

5.2 All prices shall be quoted furnish and install (if applicable) FOB The University of Alabama, Tuscaloosa, AL 35487 prepay and allowed. Unit prices quoted must include any and all shipping and handling charges. Any freight claims will be the responsibility of the Bidder. The successful Bidder must transport at the time of set-up, the equipment and supplies necessary for this installation to campus. No direct shipments will be accepted.

5.3 It is the Bidder’s responsibility to verify any information, measurements and obtain any clarifications prior to submitting the bid response. The University is not liable for any errors or misinterpretations made by the Bidder in response to this Solicitation.

5.4 The successful Bidder under the specifications required in this Solicitation shall furnish at its expense all equipment, labor, tools, supplies, transportation, insurance and other expenses necessary to fully perform any phase of the requirements of this Solicitation.

5.5 Quote prices firm for a period of ninety (90) days following the bid opening date unless otherwise stated in the Special Conditions. Bids that do not guarantee pricing firm for this period may be eliminated. Failure to quote the term for which your prices will remain firm may eliminate your bid from consideration.
5.6 The quoted price must include but not be limited to all cables, wires, connectors, etc. to make a complete functioning unit unless specifically stated in the special conditions.

5.7 Include with your bid response complete details of your company’s Return Merchandise policy, including, but not limited to, amount of any restocking fee required, procedures, limitations, contact person and phone number. While the University does not enter into any purchase with the intent to return items ordered, we do require this information be included with your bid response. Failure to include this information may be grounds for elimination of your bid from consideration.

6.0 DELIVERY, INSTALLATION AND TRAINING REQUIREMENTS

6.1 Proposed delivery dates shall be stated in number of calendar days after receipt of order.

6.2 All items must be delivered directly to the University by the successful Bidder and placed according to the instructions supplied by the University.

7.0 INSURANCE - See section above entitled “Insurance Requirements.”

8.0 RESTRICTIONS ON COMMUNICATIONS WITH UNIVERSITY STAFF

From the issue date of this Solicitation until a Contractor is selected and a contract award is made, Bidders are not allowed to communicate about the subject of the IFB with any University administrator, faculty, staff, or members of the Board of Trustees except:

- The Contract Administration representative, any University Contract Administration Official representing the University administration, or others authorized in writing by Contract Administration and
- University Representatives during Bidder presentations.

If violation of this provision occurs, the University reserves the right to reject the Bidder’s response to this Solicitation.
9.0  SPECIAL CONDITIONS

9.1  INTEGRATED SECURITY SYSTEM MANAGEMENT

The University of Alabama request sealed bids to establish a twelve (12) month contract to furnish and deliver, install, repair and maintain an Integrated Security System Management for UA Campus and to include work at Alabama Department Mental Health (ADMH) Tuscaloosa Campus as per attached general and technical specifications or equal. Systems will be ordered on an “as needed” basis as requirements arise during the anticipated contract period of May 1, 2021 through April 30, 2022.

Renewal Option

Pricing for this contract must be firm for a twelve-month (12) period beginning May 1, 2021 through April 30, 2022. However, upon mutual agreement between the successful vendor and The University of Alabama, this contract may be renewed on an annual basis based on vendor’s performance with a negotiable price increase in years two (2) through five (5) to meet the challenge of providing pricing over extended period of time. The University of Alabama will consider adjustment clauses necessary to ensure the most aggressive pricing structure. Any proposed adjustment clause must be documented with evidence of increased costs to be passed on. There will be no adjustments for profit enhancements. A letter from the manufacturer notifying the contract vendor of increased manufacturing cost must support all request for contract price increases. Adjustments can be made no more than once per year or upon a change in design requested by the University. All other terms, conditions, and requirements will remain the same as the original bid proposal document. The successful vendor should furnish a written agreement including any price adjustment clauses and supporting documentation to renew the contract to The University of Alabama ninety (90) days prior to the annual renewal date.

9.2  SCOPE OF WORK: In accordance with the State of Alabama Title 39 requirements, The University of Alabama is requesting sealed bids to furnish, deliver and install an Integrated Security System Management fully incorporated with existing systems for The University of Alabama, Tuscaloosa campus as per attached specifications. This project is located at the University of Alabama, Tuscaloosa, AL.

It is the intent of the University to award this bid to a single contract vendor. The ISSM will include CCTV, Card Access, door monitoring and full integration with campus data systems. The ISSM must be compatible with existing UA Public Safety Department G.E. Caddx Intrusion Alarm Systems.

The successful vendor will provide all necessary wiring, cabling, labor, tools, equipment, ancillary materials, repair and maintain, transportation and any other expenses necessary to meet the requirements to furnish, deliver and install a complete and operational security control system as described in the bid requirements. The successful vendor will provide and install all electric door hardware, egress devices, associated lock power supplies with backup batteries, CCTV cameras, door monitoring contacts, monitoring consoles, card readers, and wiring for monitored doors, where needed, as well as set up central monitoring station and install all related software. The successful vendor will be responsible for installing all wiring/cabling from the security equipment to the electrical source supplied by The University of Alabama.

The successful vendor is required to place the entire system into full and proper operation as designed and specified, verify that all hardware components are properly installed, connected, communicating, and operating correctly, and verify that all system software is installed, configured, and complies with specified functional requirements. The successful vendor will guarantee that the ISSM application software/firmware remains current at all times with the latest enhancements; supported by the ISSM manufacturer with unlimited remote dial-in diagnostics capability and technical phone support. The successful vendor will be the primary contact and respondent for all installation, training, and service; officially certified, backed, and able to produce Certification Documents by the ISSM manufacturer. The University of Alabama will furnish and install all conduit, [110/230] VAC power extensions, and other electrical work. The University of Alabama will arrange for [dedicated] or [dial-up] telephone lines, and/or local area network (LAN) connections as per the drawings distributed during the on-site. The University of Alabama will provide the host server and operator workstations.

The general and technical specifications, together with the related information and drawings and any addenda, comprise the requirements for this project.
9.3 A Pre-Bid Conference will be held at The University of Alabama on Tuesday, April 6 2021 at 10:00 AM via a Zoom virtual meeting to clarify the University's expectations to prospective Contractors.

The following items should be noted in reference to the Pre-Bid Conference:

- Attendance at the Pre-Bid Conference is highly encouraged. Due to the complexity of the scope of work to be performed, site conditions and other issues that may affect your proposal are not described in the bid specifications and will be discussed in detail during the pre-bid conference.

- Bidders having attended the pre-bid conference are encouraged to submit written questions after the Conference by 4/13/21 at 11:00 AM. The University will prepare written responses to all written questions submitted and make them available to all Bidders via an addendum. The questions and answers will be made part of the solicitation and may become part of the contract with the successful Contractor.

9.4 COPIES OF CONTRACT DOCUMENTS:
There are no Contract Drawings associated with this bid package.

9.5 EXAMINATION OF CONTRACT DOCUMENTS AND OF THE SITE OF THE WORK:

a. Before submitting a bid for the Work, the bidders shall carefully examine, read, and study the Bid Proposal and Contract Documents, attend the mandatory on-site inspection of the site, and satisfy themselves as to the nature and location of the Work, and the general and local conditions, including weather, the general character of the site or building, the character and extent of existing work within or adjacent to the site, and any other work being performed thereon at the time of submission of their bids.

b. Bidders shall fully inform themselves as to transportation, disposal, handling, and storage of materials, availability of water, electric power, and all other facilities in the area which will have a bearing on the performance of the Work for which they submit their bids. By submission of a bid, bidder acknowledges that bidder examined the Contract Documents and found them to be complete, accurate adequate, consistent, coordinated and sufficient for construction and visited the site and has judged for and satisfied himself as to conditions to be encountered regarding the character, difficulties, quality, and quantities of work to be performed and the material and equipment to be furnished, The University of Alabama’s tax exempt status, and as to the contract requirements and contingencies involved. The University of Alabama makes no representation or warranty of any nature whatsoever to bidders concerning the Contract Documents.

c. Should concealed and unknown conditions encountered in the performance of the Work in an existing structure be at variance with the conditions indicated by the Contract Documents, or should unknown conditions of an unusual nature differing materially from those ordinarily encountered in the area and generally recognized as inherent in the Work of the character provided for in the Contract Documents, be encountered, the compensation to be paid for the Work shall be equitably adjusted by Change Order upon written notice and claim by either party made within 7 days after the first observance of the condition. As a condition precedent to The University of Alabama having any liability to the Contractor for concealed and unknown conditions, the Contractor must give The University of Alabama written notice of, and an opportunity to observe, the condition prior to disturbing it. The failure of Contractor to make the written notice and claim as provided in this paragraph shall constitute a waiver by the Contractor of any claim arising out of or relating to such concealed or unknown condition.

9.6 EXPLANATIONS AND INTERPRETATIONS:

a. Before submitting a bid, bidders shall carefully examine, read, and study the Bid Proposal and Contract Documents.

b. Clarifications will be made only by written Addenda, which will be sent to all prospective bidders and plan holders. Neither The University of Alabama nor the Designer will be responsible for verbal answers or instructions regarding intent or meaning of the Contract Documents.

c. Should a conflict, inconsistency, ambiguity, omission, or error occur in or between the information at the on-site and the Specifications, the bidder shall notify UA Contract Administration prior to submission to his bid, the bidder shall have asked for and obtained the written decision or clarification from Darrel Lindsey, Senior Buyer, The University of Alabama Contract Administration, 205-348-5552, or email
address drlindsey@ua.edu as to the method, materials or equipment which will be required to perform the Work.

9.7 ERRORS IN BID:

a. Errors and Discrepancies in the Proposal form
   In case of an error in the extension of prices in bids, the unit price will govern

b. Mistakes within the Bid
   If the low bidder discovers a mistake in its bid, the low bidder may seek withdrawal of its bid without forfeiture of its bid guaranty under the following conditions:
   (1) Timely Notice: The low bidder must notify Darrel Lindsey, Senior Buyer, The University of Alabama Contract Administration, Fax 205 348-8706 or email address drlindsey@ua.edu in writing, within three working days after the opening of bids, that a mistake was made. This notice must be given within this time frame whether or not award has been made.
   (2) Substantial Mistake: The mistake must be of such significance as to render the bid price substantially out of proportion to the other bid prices.
   (3) Type of Mistake: The mistake must be due to calculation or clerical error, an inadvertent omission, or a typographical error which results in an erroneous sum. Mistakes of law, judgment, or opinion are specifically excluded from these criteria.
   (4) Documentary Evidence: Clear and convincing documentary evidence of the mistake must be presented to Darrel Lindsey, Senior Buyer, The University of Alabama Contract Administration, Fax 205 348-8706 or email address drlindsey@ua.edu as soon as possible, but no later than three working days after the opening of bids.

a. The University of Alabama's decision regarding a low bidder's request to withdraw its bid without penalty shall be made within 10 days after receipt of the bidder’s evidence. Upon withdrawal of bid without penalty, the low bidder shall be prohibited from:
   (1) Doing work on the project as a subcontractor or in any other capacity.
   (2) Bidding on the same project if it is re-bid.

9.8 AWARD OF CONTRACT:

a. The contract shall be awarded to the lowest responsible and responsive bidder, as all rooms to a single bidder or room by room based upon pricing and ability to complete project in the time frame allotted, unless The University of Alabama finds that all the bids are unreasonable or that it is not in the best interest of The University of Alabama to accept any of the bids. A responsible bidder is one who, among other qualities determined necessary for performance, is competent, experienced, and financially able to perform the contract. A responsive bidder is one who submits a bid that complies with the terms and conditions of the Advertisement for Bids and the bid documents. Minor irregularities in the bid shall not defeat responsiveness.

b. A bidder to whom award is made will be notified by telegram, confirmed facsimile, or letter to the address shown on the Proposal Form at the earliest possible date. Unless other time frames are stipulated in Supplemental Instructions to Bidders, the maximum time frames allowed for each step of the process between the opening of bids and the issuance of an order to proceed with the work shall be as follows:

<table>
<thead>
<tr>
<th>Step Description</th>
<th>Time Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Award of contract by The University of Alabama by means of issuance of Purchase Order</td>
<td>Within 60 calendar days after the opening of the bids</td>
</tr>
<tr>
<td>(2) Contractor’s return of bonds and evidence of insurance, to The University of Alabama</td>
<td>Within 3 calendar days notice of intent to award</td>
</tr>
<tr>
<td>(3) The University of Alabama’s approval of the Contractor’s bonds and evidence of insurance</td>
<td>Within 3 calendar days after the Contractor presents complete and acceptable documents to Darrel Lindsey, Senior Buyer, The University of Alabama Contract Administration, email address <a href="mailto:drlindsey@ua.edu">drlindsey@ua.edu</a></td>
</tr>
<tr>
<td>(4) Notice to Proceed issued to the Contractor in the form of a University Purchase Order</td>
<td>Within 15 calendar days after final execution of Construction Contract by The University of Alabama</td>
</tr>
</tbody>
</table>
The time frames stated above, or as otherwise specified in the bid documents, may be extended by written agreement between the parties. Failure by The University of Alabama to comply with the time frames stated above or stipulated in Supplemental Instructions to Bidders, or agreed extensions thereof, shall be just cause for the withdrawal of the Contractor's bid, and contract, without forfeiture of bid security.

c. Should the successful bidder or bidders to whom the contract is awarded fail to execute the Construction Contract and furnish acceptable Performance and Payment Bonds and evidence of insurance within the specified period, The University of Alabama shall retain from the bid guaranty, if it is a cashier's check, or recover from the principal or the sureties, if the guaranty is a bid bond, the difference between the amount of the contract as awarded and the amount of the bid of the next lowest bidder. If no other bids are received, the full amount of the bid guaranty shall be retained or recovered as liquidated damages for such default. Any sums so retained or recovered shall be the property of The University of Alabama.

d. All bid guaranties, except those of the three lowest bona fide bidders, will be returned immediately after bids have been checked, tabulated, and the relation of the bids established. The bid guaranties of the three lowest bidders will be returned as soon as the contract bonds and the contract of the successful bidder have been properly executed and approved. When the award is deferred for a period of time longer than 15 days after the opening of the bids, all bid guaranties, except those of the potentially successful bidders, shall be returned. If any potentially successful bidder agrees in writing to a stipulated extension in time for consideration of its bid, The University of Alabama may permit the potentially successful bidder to substitute a satisfactory bidder's bond for the cashier's check submitted with its bid as a bid guaranty.

e. If no bids or only one bid is received, The University of Alabama may either re-advertise for bids or direct that the Work shall be done by force account under its direction and control, or negotiate for the Work through the receipt of informal bids not subject to the requirements of Title 39-2-6, Code of Alabama (1975).

9.9 APPROVAL OF CONTRACT:
No Contract is binding upon The University of Alabama until it has been executed by the University and successful bidder and copies delivered.

9.10 DEFINITIONS:
Wherever the following abbreviations and terms, or pronouns in place of them, are used in the Contract Documents, the intent and meaning shall be as interpreted as follows:

1. THE UNIVERSITY OF ALABAMA: The Board of Trustees of The University of Alabama, a corporation, the Party of the First Part to the Contract Agreement, acting through its authorized representatives.

2. BID: The written offer for the Work contemplated, made out and submitted by the Bidder in the required manner, on the prescribed Bid Proposal Form, property signed, and guaranteed.

3. BIDDER: The person or persons, firm, partnership, association, corporation, or combination thereof, submitting a Bid for the Work, or any portion thereof, acting directly or through a duly authorized representative who has met the licensing requirements for general contracting as required by Title 34, Chapter 8, Code of Alabama (1975), as amended.

4. COMMISSION: The Alabama Building Commission, or any agency that may be designated by the Legislature as its successor.

5. CONTRACT AGREEMENT: The written Contract Agreement for Construction executed between The University of Alabama and the successful Bidder, covering the performance of the Work, by which the Contractor is bound to perform the Work and to furnish the labor, materials, and equipment under the terms of the Contract Documents, and by which The University of Alabama is obligated to compensate the Contractor therefore at the mutually established and accepted rate or price, or as hereinafter provided.

6. CONTRACT BONDS: The approved bonds, required by Chapter 1, Title 39, Code of Alabama (1975), as amended, and furnished by the Contractor and its Surety to guarantee both completion of the Contract in accordance with the Contract Documents and prompt payment to all persons supplying labor, materials, supplies, etc.
7. CONTRACTOR: The person or persons, company, firm, partnership, association, corporation, limited liability company, cooperative or combination thereof, the Party of the Second Part to the Contract Agreement, acting directly or through its agents or employees.

8. DESIGNER: The professional person, firm, association, or corporation who, having met requirements of Title 34, Code of Alabama (1975), as amended, has indicated by seal or signature and license number that full responsibility has been accepted for the design, and who has been employed by The University of Alabama, or, in case of the termination of his employment, his successor designated by The University of Alabama, to furnish the drawings and specifications in the Contract Documents.

9. DIRECTOR: The Director, Technical Staff, or the State Building Commission, acting either upon his own initiative or through the Project Manager or other duly authorized Supervisors and Inspectors, acting severally within the scope of the particular duties entrusted to them or the authority given them.

10. MODIFICATIONS OF THE GENERAL CONDITIONS: Changes or modifications of the parts of these General Conditions.

11. NOTICE TO PROCEED: A proceed order issued by The University of Alabama, within fifteen (15) days after final execution of the Contract Agreement, unless both parties agree in writing to a stipulated extension in time for the issuance of a proceed order, fixing the time within which the Contractor shall begin the prosecution of the Work.

12. SPECIAL CONDITIONS: Additional special or general requirements that are necessary and peculiar to the particular project and which are not included in the parts of these General Conditions.

13. SPECIFICATIONS: The general term comprising the Statutory and Procedural Documents, General Conditions of the Contract, the detailed Specification requirements, together with all modifications thereof and all Addenda thereto.

14. SUBCONTRACTOR: Any properly qualified individual, firm, association, or corporation undertaking the performance of any part of the Work under the terms of the Contract Documents by virtue of an agreement between the Subcontractor and the Contractor with the prior written approval of The University of Alabama.

15. SURETY: The corporate body, licensed under the laws of Alabama, bound with and for the Contractor for the full and complete performance of the Contract and also for the payment of all claims recoverable under the Contract Bonds.

16. THE PROJECT: The total work described in the Contract Documents.

17. THE WORK: The work shall mean whatever is done or required of the Contractor to perform and complete its duties under the Contract Documents including, without limitation, the following: construction of the whole or designated part of the Project; furnishing of any required surety bonds and insurance; and the provision or furnishing of all labor, supervision, services, materials, supplies, equipment, fixtures, appliances, facilities, tools, transportation, storage, power, permits and licenses required of the Contractor, fuel, heat light cooling and all other utilities as required by the Contract Documents.

18. INTENT: The intent of the Contract Documents is to include all labor, supplies, materials, equipment, water, fuel, tools, utility, insurance and transportation services, and all other incidental services and expenses necessary or required for the complete, correct, proper and timely execution of the Work.

9.11 MATERIALS, EQUIPMENT, AND EMPLOYEES:

Unless otherwise stipulated, the Contractor shall furnish all material, equipment, tools, labor, water, light, power, transportation, other services or facilities, and incidentals for the proper execution and completion of the Work. Unless otherwise stipulated, Contractor warranties that all materials, products, systems and equipment incorporated in the Work shall be new and without apparent damage, be of quality equal to or higher than that required by the Contract Documents, be merchantable, and free of defects.

Contractor warrants all labor and services shall be performed in the best and most workmanlike manner by persons skilled in their respective assignments or trades, shall comply with the Contract Documents, and shall be free of defects. Workmen whose work is unsatisfactory, or who are considered unfit or unskilled, or otherwise objectionable, shall be removed from the Work.
9.12 ROYALTIES; PATENTS; AND COPYRIGHTS:
The Contractor shall pay all royalties and license fees. The Contractor shall defend all suits or claims for infringement of any copyright or patent right and shall hold and save harmless the Awarding Authority and its agents and employees from any liability or loss of any nature or kind, including cost and expenses, for or on account of any copyright or any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the Contract, including its use by the Awarding Authority.

If the Contractor has information that any process, article or item specified or delineated by the Contract Documents is an infringement of a patent or copyright, it shall promptly give such information to the Awarding Authority.

9.13 SURVEYS, PERMITS, LAWS, AND REGULATIONS:
The Contractor shall provide competent professional services to execute the Work in accordance with contract requirements. Contractor shall verify the figures given for the contours, approaches and locations shown on the Drawings before undertaking any construction work and be responsible for the accuracy of the finished work.

The Contractor shall establish all base lines for the location of the principal components of the Work and make all detail surveys necessary for construction, including slope stakes, batter boards and other working points, lines and elevations.

If the Contractor finds any errors or discrepancies, or that any previously established references have been destroyed or misplaced, Contractor shall promptly notify The University of Alabama.

9.14 PROTECTION OF WORK AND PROPERTY:
The Contractor shall at all times adequately maintain, guard and protect its own work from damage, and safely guard and protect The University of Alabama’s property from injury or loss arising in connection with the Project.

Contractor shall adequately protect adjacent property as provided by law and Contract Documents. Any damage to existing structures or the interruption of utility services shall be repaired or restored promptly at the expense of the Contractor.

The Contractor shall provide and maintain all passageways, guard fences, lights, and other facilities required for protection by state or municipal laws and regulations or local conditions.
The Contractor shall take all necessary precautions for the safety of public and employees on the Work and shall comply with all applicable provisions of federal, state, and municipal safety laws and building codes to prevent accidents or injury to persons on or about or adjacent to the premises where the work is being performed.

9.15 CLIMATE CONDITIONS:
The Contractor shall suspend any work that may be subject to damage by climatic conditions.

9.16 INSPECTION OF THE WORK:
The University of Alabama, or any agency having jurisdiction, and their representatives shall, for inspection purposes, have access at all times to the Work whenever it is in preparation or progress, and the Contractor shall provide proper facilities for such access and inspection.

All materials, workmanship, processes of manufacture, and methods of construction, if not otherwise stipulated, shall be subject to inspection, examination, and test by The University of Alabama (or its duly authorized representatives) at any and all places where such manufacture and/or construction are being performed. The University of Alabama shall have the right to reject defective material and workmanship or require its correction. Rejected workmanship shall be satisfactorily corrected, and rejected material shall be satisfactorily replaced with proper material, without charge therefore, and the Contractor shall promptly segregate and remove the rejected material from the premises.

The University of Alabama may appoint or assign Inspectors, with designated duties and restricted authority, to inspect the work, or to make special inspections requested in advance by the Contractor, and to report the progress of the Work, and manner or procedure, quality of the material and workmanship, and compliance with the Contract Documents. Authorized inspectors shall have the authority to reject materials, workmanship, or equipment clearly defective or otherwise not in accordance with the Drawings and Specifications, but neither the presence nor absence of such inspectors shall relieve the Contractor from fully complying with all of the contract requirements.
No inspector has authority to revoke, alter, relax, or waive any requirements of the Contract Documents; to finally approve or accept any portion of the Work or to issue instructions contrary to the Drawings and Specifications, nor shall any inspector supervise and direct work for the Contractor, nor unreasonably interfere with the Contractor's operations beyond the extent necessary to make certain that the Work is being carried out according to the contract requirements.

Any advice which an inspector may give to the Contractor shall not be, nor construed to be, as binding on The University of Alabama in any way, nor release the Contractor from its duty to comply with all of the contract requirements.

The Contractor shall furnish promptly, without extra compensation, all reasonable facilities, labor, services and material necessary for safe and convenient access, inspection, and tests that may be required. All inspections and tests will be performed in such a manner as not to cause unnecessary delay of the Work. Special, full size and performance tests shall be as described in Sections of the Specifications. The Contractor may be charged any extra cost of inspection incurred by The University of Alabama on account of material and workmanship not being ready at the time set by the Contractor for an inspection or test. Should The University of Alabama consider it necessary or advisable, at any time before final acceptance of the Work, to make an examination of work already completed by uncovering, or removing or tearing out same, the Contractor shall, on request, promptly furnish all necessary facilities, labor, services and material. If such work is found to be defective the Contractor shall defray all expense of such examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the Contract Documents, the work of examination and replacement will be considered and compensated for as Extra Work ordered by The University of Alabama and, in addition, if completion of the Work has been delayed thereby, an extension of time will be granted for such delay.

In order for this project to be “Substantially Complete” the following is required: Owner’s receipt of the pre-final closeouts; a final inspection held and the project declared “Substantially Complete”, in writing, signed by the Architect (if applicable) and the Owner. “Substantial Completion” means the designated work is sufficiently complete, in accordance with the contract documents, such that the Owner may occupy or utilize the work for the use intended, as represented by the contract documents. The date of Substantial Completion is the date upon which the contract time stops and all warranties for the designated work commence. The attached form (Attachment B) will officially document the substantial completion date.

9.17 SUPERINTENDENCE AND SUPERVISION:
The Contractor shall supervise, direct and coordinate the Work, using its best skill, effort, knowledge, and attention. Contractor shall employ and maintain at the Project only competent supervisory personnel. Contractor’s superintendent, whose qualifications are acceptable to The University of Alabama, shall be at the site at all times during construction activity, and shall be authorized to act for Contractor in its absence. The Contractor shall not remove from the work a superintendent who is satisfactory to both Contractor and The University of Alabama, unless his employment is terminated. Contractor shall be responsible to The University of Alabama for any acts or omissions of the Contractor, its employees and others engaged in the Work on behalf of the Contractor.

In general, important verbal communications will be confirmed in writing to the Contractor, and these and other communications always upon written request of the Contractor.

The Contractor shall read, carefully study and compare all Drawings, Specifications, other instructions and related data, and promptly report in writing to The University of Alabama, any ambiguity, conflict, inconsistency, discrepancy, error, or omission that it may discover. Contractor shall be liable for the performance and the cost of any necessary corrections resulting from adjustments or modifications of Contract Documents made without prior approval. If Contractor performs any of the Work knowing it involves a recognized error, conflict, inconsistency, discrepancy, or omission in the Contract Documents without notice to The University of Alabama, the Contractor shall bear the responsibility for such performance and shall bear the cost of correction. If this condition is not observed, The University of Alabama has the right to shut down the project immediately without any additional cost to The University of Alabama.

9.18 DELAYS; EXTENSION OF TIME:
Delays: If the Contractor is delayed in progressing any task which at the time of the delay is then critical or which during the delay became critical, as the sole result of an act or omission of The University of Alabama or of any other contractor on the site employed by The University of Alabama, by strikes, lockouts, fires, abnormal floods, tornadoes, or other cataclysmic phenomenon of nature, or by causes beyond the Contractor’s control, then Contractor may be entitled to an extension of time in which to complete the Work,
provided however, that the Contractor shall give written notice of such cause to The University of Alabama not more than seven (7) days after the occurrence of the event or the first appearance of the condition giving rise to the claim and shall set forth in detail the Contractor's basis for requiring additional time in which to complete the Work. Such time extensions shall only be allowed upon approval of The University of Alabama. The failure of the Contractor to give such notice within seven (7) days shall constitute a waiver of any claim for an extension of time in which to complete the Work.

Extensions of time shall not be approved for delays due to rain, wind, flood, or other natural phenomenon of normal intensity for the locality, nor for any delay occurring more than seven (7) days before written claim, therefore is submitted by the Contractor.

Extension of Time: In the event any material changes, alterations or additions are made to the Work which will require additional time for the execution of any work under the Contract Agreement, the time of completion of the work may be extended by such a period of time as may be approved by The University of Alabama, provided that in such case the Contractor shall make a written request for a time extension to The University of Alabama within seven (7) days after being notified in writing of such material changes, alterations or additions. No extensions of time shall be given for any minor changes, alterations or additions in the Work. The failure by Contractor to make such written request for a time extension within seven (7) days shall constitute a waiver of any claim for an extension of time in which to complete the Work. The Contractor shall not be entitled to any reparation or compensation on account of additional time or extensions of time required for the execution of the Work.

9.19 CORRECTION OF WORK BEFORE FINAL PAYMENT:
Any defective work, whether the result of poor workmanship, the use of defective materials, damage through carelessness of the Contractor or its employees, or any other cause, shall be removed from the premises within ten (10) days after written notice is given by The University of Alabama, and promptly replaced and re-executed by the Contractor in accordance with the Contract requirements and without expense to The University of Alabama. The Contractor shall also bear the expense of making good all work of The University of Alabama or its other contractors destroyed or damaged by such removal and replacement.

9.20 CORRECTION OF WORK AFTER FINAL PAYMENT:
Verification and approval of the Final Application for Payment and the making of the Final Payment by The University of Alabama shall not relieve the Contractor of responsibility for faulty materials or workmanship. The University of Alabama shall promptly give notice of observed defects due to faulty materials or workmanship, and any damage to other work resulting there from. In accordance with the terms of any general or special guarantees provided in the Contract, the Contractor shall promptly replace any such defects discovered within one year from the date of written acceptance of the Work or Final Payment therefore, whichever is prior.

9.21 THE UNIVERSITY OF ALABAMA’S RIGHT TO CORRECT DEFICIENCIES:
Upon failure or neglect by the Contractor to properly prosecute or perform the Work in accordance with the Contract Documents and after ten (10) days written notice to the Contractor by The University of Alabama, The University of Alabama, without prejudice to any other remedy it may have, may correct such deficiencies and may deduct the actual cost thereof from payment then or thereafter due to the Contractor.

9.22 THE UNIVERSITY OF ALABAMA’S RIGHT TO TERMINATE CONTRACT:
If the Contractor should be adjudged a bankrupt, or if Contractor should make a general assignment for the benefit of its creditors, or if a receiver should be appointed on account of Contractor's insolvency, or if Contractor should persistently or repeatedly refuse or fail, except in cases for which an extension of time is provided, to supply enough properly skilled workmen or proper materials, or if Contractor should fail to make prompt payment to Subcontractors for material or labor, or persistently disregard laws, ordinances, or the instructions of The University of Alabama, or should otherwise be guilty of a substantial violation of any provision of the Contract, then The University of Alabama, after giving the Contractor and its Surety, ten (10) days' written notice, may, without prejudice to any other right or remedy, terminate the employment of the Contractor and take possession of the premises and of all material, tools, equipment, and appliances thereon and finish the Work by whatever method The University of Alabama may deem expedient. In such cases the Contractor shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the contract price shall exceed the expense of finishing the Work, including compensation for additional architectural, engineering, managerial, and administrative services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to The University of Alabama upon demand.
9.23 CONTRACTOR'S RIGHT TO TERMINATE THE CONTRACT:
If the Work should be stopped under an order of any court, or other public authority, for a period of ninety (90) days, through no act or fault of the Contractor or of anyone employed by it, then the Contractor may, after fourteen (14) days’ written notice to The University of Alabama, terminate this Contract and The University of Alabama will reimburse the Contractor for all work properly executed and any loss sustained upon any plant or materials and any other proper item of damage.

9.24 APPLICATIONS FOR PARTIAL AND FINAL PAYMENTS:
Unless otherwise provided in the “Special Conditions” or the “Contract Agreement”, The University of Alabama will make partial payments to the Contractor on or about the twentieth (20th) day of each calendar month, or as soon thereafter as practicable, on the basis of a duly certified and approved estimate of work as prepared by the Contractor on an Application for Partial Payment form approved by the Designer and The University of Alabama and submitted to The University of Alabama on or before the first (1st) day of the month.

The Contractor shall, within ten (10) days after the Notice to Proceed, submit to The University of Alabama on the Application for Payment form, a complete breakdown or schedule of values of the contract price showing the value assigned to each of the various parts of the Work, including an allowance for overhead and profit, aggregating the total contract price, and divided to facilitate payments to Subcontractors. Upon approval by The University of Alabama, this breakdown of the contract price, unless later found to be in error, shall be used as a basis for all Applications for Payment. The Contractor shall supply with its schedule of values such data as The University of Alabama may require to substantiate its accuracy. The Contractor shall not imbalance its schedule of values nor artificially inflate any element thereof.

An Application for Partial Payment may include the Contractor’s cost of materials not yet incorporated in the Work, but delivered and suitably stored.

In making partial payments, there shall be retained (five) 5 percent on the estimated amounts complete plus stored materials until completion of fifty (50) percent of the contract, after which no additional retainage will be withheld. This retainage will be held by The University of Alabama until final completion, advertisement, and acceptance of all work covered by the Contract, when Final Payment of the entire balance found to be due will be made.

The Contractor, immediately after being notified by The University of Alabama that all other requirements of the Contract Documents have been completed, shall give notice of said completion by an advertisement for a period of four (4) successive weeks in some newspaper of general circulation published within the county where the Work was performed. Proof of publication of said Notice shall be made in duplicate by the Contractor to The University of Alabama by affidavit of the publisher which shall include an original printed copy of the Notice published. Final Payment shall be due as noted by The University of Alabama’s verification of the Final Application for Payment.

9.25 VERIFICATION, CERTIFICATION, AND APPROVALS FOR PAYMENT:
When the Contractor has made application for Partial or Final Payment, The University of Alabama shall verify the Application for Payment and shall make payment to the Contractor for such amount as The University of Alabama determines to be properly due, or state in writing to the Contractor The University of Alabama’s reasons for withholding verification and payment in whole or in part.

No such verification nor payment made to the Contractor, nor partial or entire use or occupancy of the work by The University of Alabama shall be an acceptance of any work or materials not in accordance with the Contract.

All materials and work covered by partial payments made shall become the sole property of The University of Alabama, but this provision shall not be construed as relieving the Contractor from the sole responsibility for the care and protection of materials and work upon which payments have been made or the restoration of any damaged work or as a waiver of The University of Alabama’s right to require the fulfillment of all the terms of the Contract Documents by the Contractor.
PAYMENTS WITHHELD:
The University of Alabama may withhold payment of the whole, or any part, of a verified or approved Application for Payment to the extent necessary to protect it against loss on account of any of the following causes discovered subsequent to its verification or approvals:

a. Defective Work not remedied by the Contractor nor, in the opinion of The University of Alabama, likely to be remedied by Contractor;
b. Evidence indicating probable filing of claims by other parties against the Contractor;
c. Failure of the Contractor to promptly make payments to Subcontractors, or for materials, labors, foodstuffs, and supplies;
d. Damage to another contractor under a separate contract with The University of Alabama;

e. Evidence indicating probable filing of claims by third parties against The University of Alabama or The University of Alabama’s property.
f. A dollar value will be accessed for final inspection punch list items and held in addition to retainage until completed.
g. When the above causes are removed, payments withheld will then be paid.

CONTRACT BONDS:
Performance and Payment bonds will be required on individual projects assigned over the duration of this contract in excess of $50,000 or as requested on projects less than $50,000 as deemed necessary by the University. Performance and Payment bonds will not be required with the bidder’s response since the work to be performed over the duration of this contract is unknown. However, each bidder must submit proof from Surety that they are bondable and the limit to which they may be bonded. The University requires all bidders to quote a multiplier (percent of project cost) that will be used to calculate the cost of the Performance and Payment bonds on projects that require bonds.

In order to insure the faithful performance of each and every condition, stipulation, and requirement of the Contract, and to indemnify and save harmless The University of Alabama from any and all damages, either directly or indirectly, the successful Bidder to whom the Contract is awarded shall, within fifteen (15) calendar days after the Contract Agreement has been presented to Contractor for signature, unless otherwise stipulated, furnish at its own expense, and file with The University of Alabama, an acceptable Surety Bond in an amount equal to one hundred (100%) percent of the contract price of the Contract as awarded. Said Bond shall be made on the approved bond form, shall be furnished by a reputable surety company authorized to do business in the State of Alabama, shall be countersigned by an authorized agent resident to do business in the State of Alabama, shall be countersigned by an authorized agent resident in the State who is qualified for the execution of such instruments, and shall have attached thereto power of attorney of the signing official.

In case of default on the part of the Contractor, all expenses incident to ascertaining and collecting losses suffered by The University of Alabama under the Bond, including architectural, engineering, administrative, and legal services shall lie against the Contract Bond for Performance of the Work.

In addition thereto the successful Bidder to whom the Contract is awarded shall, within fifteen (15) days after the Contract Agreement has been presented to Contractor for signature unless otherwise stipulated, furnish at its expense, and file with The University of Alabama, an acceptable surety bond for Payment of Labor, Materials, Feedstuffs, and Supplies, payable to The University of Alabama in amount not less than fifty (50%) percent of the contract price, with the obligation that the Contractor shall promptly make payment to all persons furnishing him or them with labor, materials, feedstuffs, or supplies for, or in, the prosecution of the Work, including the payment of reasonable attorneys fees incurred by successful claimants or plaintiffs in suits on said bond. The date of neither bond shall be earlier than the date of the Contract Agreement.

Bonds shall remain in force during the entire guarantee period stipulated in General Conditions, Article 11 CORRECTION OF WORK AFTER FINAL PAYMENT.

DAMAGES:
Should either party to the Contract suffer damages because of any wrongful act or neglect of the other party or of anyone employed by it, claim shall be made in writing to the other party within a reasonable time of the first observance of such damage, and not later than the date of the Application for Final Payment, except as expressly stipulated otherwise in the case of faulty work or materials.

CLAIMS:
Neither the Final Payment nor any part of the retained percentage shall become due until the Contractor, if required, shall deliver to The University of Alabama a complete release of all claims arising out of the Contract, or receipts in lieu thereof and, if required in either case, an affidavit that so far as Contractor has knowledge or information the releases and receipts include all the labor and material for which a claim could be filed; but
the Contractor may, if any Subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to The University of Alabama, to indemnify him against any claims. If any claim remains unsatisfied after all payments are made, the Contractor shall refund to The University of Alabama all moneys that the latter may be compelled to pay in discharging such a claim including all costs and a reasonable attorney’s fee.

9.30 ASSIGNMENT:
The Contractor shall not assign the Contract or sublet it as a whole without the written consent of The University of Alabama, nor shall the Contractor assign any monies due or to become due to it hereunder without the previous written consent of The University of Alabama.

9.31 MUTUAL RESPONSIBILITY OF CONTRACTORS:
If the Contractor or any of its Subcontractors cause any loss or damage to any separate contractor with a prior, concurrent, or subsequent contract on the Work or on the site, or cause any undue delay to such separate contractor on the Work or on the site, and if such contractor makes claim against The University of Alabama, on account of any loss so sustained, The University of Alabama shall notify the Contractor who shall indemnify and save harmless The University of Alabama against any expenses arising there from.

9.32 SEPARATE CONTRACTS:
The University of Alabama may award other contracts for additional new construction, buildings or equipment, or for reconstruction, alteration, equipment, and improvements of existing buildings on the site, and the Contractor shall fully cooperate in the storage of materials and the detailed execution of work, coordinate and integrate its operations with such other contractors, and carefully fit its own work to that provided under other contracts. The Contractor shall not commit or permit any act which will interfere with the performance of work by any other contractor. The Contractor, including its Subcontractors, shall keep informed of the progress and the detail work of other contractors and shall notify The University of Alabama immediately of lack of progress or defective workmanship on the part of other contractors, where such delay or such defective workmanship will interfere with its own operations of the Work.

9.33 SUBCONTRACTS:
Concurrent with the transmittal of the executed Contract Agreement by the Contractor, Contractor shall submit in writing to The University of Alabama for approval the names of the Subcontractors proposed for the Work. Subcontractors that have been approved may not be changed thereafter except with the approval of The University of Alabama.

The Contractor shall not engage any subcontractor to whom The University of Alabama may have a reasonable objection, but it will not be required to engage any subcontractor against whom Contractor itself has a reasonable objection.

The Contractor shall be as fully responsible to The University of Alabama for the acts and omissions of Subcontractors, and of persons employed by them, as Contractor is for the acts and omissions of persons directly employed by it.

Nothing contained in the Contract Documents shall create, or be construed as creating, privities of contract or any contractual relationship or agreement between The University of Alabama and any Subcontractor, person or entity other than the Contractor.

9.34 RELATIONS OF CONTRACTOR AND SUBCONTRACTORS:
The Contractor shall cause appropriate provisions to be inserted in all Subcontracts relative to the Work, to bind Subcontractors to the Contractor by the terms of the Contract Documents insofar as applicable to the work of Subcontractors, and to give the Contractor rights against the Subcontractor that correspond to those rights afforded to The University of Alabama against the Contractor herein, including the same power as regards terminating any subcontractor that The University of Alabama may exercise over the Contractor under any provisions of the Contract Documents. Only 20% of the contract work can be subcontracted out unless approved by The University of Alabama.

The Contractor shall be solely responsible for the coordination of Subcontractors engaged upon the Work. The Contractor, without additional expense to The University of Alabama, shall utilize the services of specialty subcontractors on those parts of the Work which are specified to be performed by specialty subcontractors.

The University of Alabama will not undertake to settle any differences between the Contractor and its Subcontractors.
9.35 THE UNIVERSITY OF ALABAMA’S DECISIONS:
Except as hereinabove provided, any dispute, claim, or question concerning the interpretation or meaning of the Contract Documents, or concerning a breach of the Contract, shall be submitted in writing to The University of Alabama and its decision shall be returned to the Contractor in writing.

9.36 USE OF PREMISES:
The Contractor shall take every precaution against injuries to persons or damages to property. The Contractor shall store its apparatus, materials, supplies, and equipment in such orderly fashion at the site of the Work as will not unduly interfere with the progress of its work or the work of any other contractors.

Unless otherwise provided, temporary storage sheds, shops, and office facilities may be erected on the premises with the approval of The University of Alabama. Such temporary buildings and/or utilities shall remain the property of the Contractor and be removed at its expense upon completion of the Work, unless The University of Alabama authorizes their abandonment without removal.

Necessary crossings of curbing, sidewalks, roadways and parkways shall be protected against damage, and any damage shall be repaired by or at the expense of the Contractor.

The Contractor shall not place upon the Work, or any part thereof, loads inconsistent with the safety of that portion of the Work.

The Contractor shall perform any necessary work after regular working hours or on Sundays or legal holidays without extra compensation.

The Contractor shall provide and maintain such sanitary accommodations for the use of its employees and those of its Subcontractors as may be necessary to comply with the requirements and regulations of the local and State Department of Health and other regulatory agencies.

9.37 CUTTING AND PATCHING:
The Contractor shall do all necessary cutting, fitting, and patching to properly receive the Work and to make its several parts join together as required by the Specifications. After such cutting, Contractor shall replace or restore or repair all defective or patched work as required. Contractor shall not cut, excavate, or otherwise alter any work in a manner or by a method or methods that will endanger the Work, adjacent property, workers, the public, or the work of any other contractor.

The Contractor shall check the location of all sleeves, openings, slots, etc., for the piping, ducts, breeching, conduits, louvers, grilles, fans, etc., as they are laid out on the job.

Provision for openings, holes and clearances through walls, beams, floors, ceilings, and partitions shall be made and checked by the Contractor and/or its Subcontractor in advance for constructing such parts of the Work in order to avoid unnecessary, superfluous or dangerous cutting.

Unless otherwise specified, pipes passing through any parts of the Structure shall be provided with pipe sleeves two sizes larger than the pipe plus its insulation in order to provide independent movement.

Under no condition shall structural framing or other parts or members subjected to computed stress be cut or disturbed without the approval of the University. Any structural member which is cut must be restored by Contractor at its expense to its original strength by a method approved by the University.

In order to maintain design strengths, the University’s approval shall also be obtained before cutting or drilling holes in concrete or masonry.

9.38 PERIODIC AND FINAL CLEANUP:
The Contractor shall periodically clean up, and remove from the premises, all refuse, rubbish, scrap materials and debris to the end that at all times the premises are sanitary, safe, reasonably clean, orderly, and workmanlike. Trash and combustible materials shall not be allowed to accumulate inside buildings or elsewhere on the premises. At no time shall any rubbish be thrown from an opening.

Before final completion and final acceptance the Contractor shall remove from The University of Alabama’s property, and from all public and private property, all tools, scaffolding, false work, temporary structures and/or utilities including the foundations thereof (except such as The University of Alabama permits in writing to
remain); rubbish and waste materials; and all surplus materials, leaving the site clean and true to line and grade, and the Work in a safe and clean condition, ready for use and operation.

In addition to the above, the Contractor shall be responsible for the following special cleaning for all trades as the work shall have been completed:

1. Cleaning of all painted, enameled, stained, or baked enamel work: Removal of all marks, stains, fingerprints, and splatters from such surfaces.

2. Cleaning of all glass: Cleaning and removing of all stickers, labels, stains, and paint from all glass, and the washing and polishing of the interior and exterior of the same.

3. Cleaning or polishing of all hardware.

4. Cleaning all tile and floor finishes of all kinds: Removal of all splatters, stains, paint, dirt, and dust, and the washing and polishing of all floors as recommended by the manufacturer or as required by The University of Alabama.

5. Cleaning of all manufactured articles, materials, fixtures, appliances, and equipment: Removal of all stickers, rust stains, labels, and temporary covers; cleaning and conditioning of all manufactured articles, material, fixtures, appliances and electrical, heating, and air conditioning equipment as recommended or directed by the manufacturers, unless otherwise required by The University of Alabama; blowing out or flushing out of all foreign matter from all dust pockets, piping, tanks, pumps, fans, motors, devices, switches, panels, fixtures, boilers, or similar features; and freeing or cleaning identification plates on all equipment of excess paint and the polishing thereof.

9.39 GUARANTEE OF THE WORK:
Except as otherwise specified in the Modifications of the General Conditions or in the Special Conditions, all work shall be guaranteed by the Contractor against defects of materials, equipment, or workmanship for one year from the date of Substantial Completion of the Contract. If, within any guarantee period, repairs or changes which, in the opinion of The University of Alabama, are required as the result of the use of materials, equipment, or workmanship which are inferior, defective, or not in accordance with the terms of the Contract Documents, the Contractor, promptly upon receipt of notice from The University of Alabama, and without expense to The University of Alabama, shall:

a. Place in satisfactory condition in every particular all of such guaranteed work, correcting all defects therein; and

b. Make good all damage to the building or site, or equipment or contents thereof, which is the result of the use of materials, equipment, or workmanship which are inferior, defective, or not in accordance with the terms of the Contract; and

c. Make good any work or material, or the equipment and contents of said building or site disturbed in fulfilling any such guarantee.

In any case wherein fulfilling the requirements of the Contract or of any guarantee embraced in or required thereby, the Contractor disturbs any work guaranteed under another contract, Contractor shall restore such disturbed work to a condition satisfactory to The University of Alabama and guarantee such restored work to the same extent as it was guaranteed under such other contract.

If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee, The University of Alabama may have the defects corrected and the Contractor and its Surety shall be liable for all expense incurred.

All special guarantees applicable to definite parts of the Work that may be stipulated in the Contract Documents shall be subject to the terms of this paragraph during the first year of the life of such special guarantee.

9.40 USE OF FOREIGN MATERIALS:
For public works projects to be financed entirely by the State of Alabama or subdivisions thereof in accordance with the provisions of Section 39-3-1, Code of Alabama (1975), the Contractor shall use only materials, supplies, and products manufactured, mined, processed or otherwise produced in the United States or its territories, if same are available at reasonable and competitive prices and are not contrary to any sole source specification implemented under Section 39-2-2(f), Code of Alabama (1975).
If Contractor breaches this agreement to use domestic products, and domestic products are not used, there shall be a downward adjustment of the contract price equal to any realized savings or benefits to the Contractor.

In accordance with the provisions of Section 39-3-4, Code of Alabama (1975), the Contractor shall use only steel produced in the United States or its territories when specifications in the Contract Documents require the use of steel. If, in the opinion of The University of Alabama, the procurement of such domestically produced steel products is impractical as a result of national emergency, national strike, or other causes, it may waive this restriction for building construction. If Contractor breaches this agreement to use domestic steel products, and domestic steel products are not used, the Contract Agreement shall be automatically revoked and Contractor shall not be entitled to any recoupment for labor or materials used up to the time of such revocation.

9.41 EQUAL OPPORTUNITY:
The nondiscrimination clause contained in Section 202, Executive Order 11246, as amended by Executive Order 11375, relative to Equal Employment Opportunity for all persons without regard to race, color, religion, sex or national origin, and the implementing rules and regulations prescribed by the Secretary of Labor, are incorporated herein.

9.42 NO SMOKING POLICY:
The Contractor shall strictly enforce “No Smoking” when working on the university campus.

9.43 PARKING REQUIREMENTS:
A University of Alabama parking permit is not required within construction fenced areas. Parking outside of fenced areas requires permits. Permits can be obtained from UA Transportation Services Department, 103 Student Services Center (205) 348-8391. UA reserves the right to limit the number of permits and also reserves the right to restrict the areas of campus that the permit can be used.

9.44 QUALITY CONTROL:
Control System: The Contractor shall establish a system of inspections and tests of his work and that of his subcontractors to insure that all applicable requirements of the specifications are met. The Contractor shall be diligent to insure that the quality of workmanship is satisfactory, that dimensional requirements are met, that defective materials are not used and that all required control and laboratory testing procedures are affected. Where specific testing procedures are not stipulated, the Contractor shall establish and conduct a test procedure to insure adherence to specified quality. The Contractor shall make an initial inspection of each phase of work as soon as a representative portion has been completed, and the Contractor shall make daily follow-up inspections, to insure that an acceptable quality of work is established and maintained. The Contractor shall perform a pre-final inspection and work off all punch list items prior to University and/or Designer inspection.

9.45 INVOICING AND PAYMENTS
Itemized invoice(s) including the correct purchase order number and showing net pricing for each item for each order issued must be submitted to the University in order for payment to be made. Delivery tickets and statements will not substitute as an invoice.

In accordance with State of Alabama Title 39 requirements, a notice of final completion of all projects over $50,000 within each year of the contract will be published for four consecutive weeks in the Tuscaloosa News by the contractor. Projects under $50,000 will be published one time in the Tuscaloosa News by the University and a notice of completion will be posted on the Contract Administration’s bulletin board. The contractor will verify under oath that all bills have been paid in full. This verification will be in the form of a certification signed by the contractor and witnessed by a notary public. The certification form will be provided by The University of Alabama Contract Administration.

9.46 WARRANTY
All items bid must be fully warranted for a minimum period of one (1) year or manufacturer’s published warranty or purchased extended warranty from the date of final installation commissioning acceptance whichever is the longer period of coverage. The successful vendor, during the warranty period, will report to the site and repair or replace any defective materials or workmanship without cost to the University. Warranty service shall be rendered within forty-eight (48) hours after request by the University. Warranty repairs must be completed within four (4) working days after vendor has been notified of the situation.
The successful bidder shall guarantee all installation to be free from defects in materials and workmanship for the duration of the product warranty or a minimum of one (1) year from final acceptance (commission) by the University whichever is longer. Service or replacements of any defective items are to be provided by the successful bidder at no charge to the University during the period of guarantee. After the one (1) year warranty period expires, The University will have the option to purchase a maintenance agreement in increments of a year. A minimum of ten (10) year warranty shall be guaranteed for wire and wire installation. Specify all terms and conditions of the warranties associated with your products with your bid response.

9.47 DELIVERY/INSTALLATION REQUIREMENTS

The project must be completed in a timely manner. Installation and completion timeframe will be a criterion in the bid award. WHEN THE LOW BIDDER CANNOT MEET DELIVERY REQUIREMENTS, THE UNIVERSITY OF ALABAMA RESERVES THE RIGHT TO CONTACT THE NEXT LOWEST RESPONSIBLE BIDDER FOR AVAILABILITY. Failure to comply with quoted commitments will be grounds for revocation of bid award and may jeopardize the bidder’s position on the University’s list of responsible bidders.

9.48 CODES, REGULATIONS AND STANDARDS

A. The installation shall be in compliance with all applicable codes, ordinances and regulations in effect at the time of bid opening including but not limited to the following:
   1. Applicable local codes and ordinances
   5. Governing fire department requirements
   6. Utility company requirements
   7. State Department of Labor requirements
   8. State Department of Health requirements
   9. National Fire Protection Association Standards
   10. State and Federal Safety and Health Laws
   12. Americans with Disabilities Act / Accessibility Standards
   13. Communications Commission

B. If discrepancies occur between Contract Documents, local codes, national codes, utility requirements, etc., most stringent requirements shall apply.

C. All equipment shall be equal to or exceed the minimum requirements of NEMA, IEEE, ASME, ANSI, TIA/EIA and Underwriters’ Laboratories.

D. Should any change in plans or specifications be required to comply with governmental regulations, the Contractor shall notify the Owner at the time of submitting the construction schedule.

9.49 REFERENCE STANDARDS

A. References: The following standards and codes contain provisions that, through their reference constitute provisions and requirements of this Section:
   1. ANSI/ICEA S-84-608-1988, Filled Telecommunications Cable
   4. ANSI/TIA/EIA-570-A, Standard, Residential Telecommunication Cabling Standard (proposed revision to 570)
   5. ANSI/TIA/EIA-606, Administration Standard for the Telecommunications Infrastructure of Commercial Buildings
   7. CENELEC EN 50173, Information technology - Generic cabling systems
   8. IEC 1000-5-2, Grounding and Bonding
B. Standards

1. Where reference is made to specifications or standards published by various organizations, the Work shall conform to the latest edition of such specifications or standards as amended and revised in effect at the date of Contract, unless a specific date is indicated.

2. Where material is designated for certain applications, material shall conform to standards designated in the applicable building code governing the Work. Similarly, unless otherwise specified, installation methods and standards of workmanship shall also conform to specifications and standards required by such code. Where no particular material is specified for a certain use, Contractor shall select from choice offered in code upon approval by Owner/Project Engineer.

3. Where such code, specification or standard does not provide all information necessary for complete installation of an item, comply with manufacturer's instructions for workmanship.

4. Where specific articles, sections, divisions or headings for Reference Standards are not given, such standards shall apply as appropriate. Standards when included herein by abbreviations or otherwise shall form a part of Contract Documents. In the event of conflicts between cited Standards and/or the Contract Documents, the more stringent shall govern.

C. Contractor’s Duties and Responsibilities: Responsible when required by Contract Documents or written request from Project Engineer to deliver required proof that materials or workmanship, or both, meet or exceed requirements of Reference Standard.

D. Standard’s Abbreviations: Abbreviations used throughout the Contract Documents refer to associations, institutes, societies and other public bodies who publish standards that are readily available to the public. Whenever initials representing such a body are shown, followed by a number or a combination of numerals and letters, reference is to a particular standard to which Contractor shall conform. The number or combination of numerals and letters following abbreviation designates the particular standard to be followed.
PROJECT REQUIREMENTS

9.50 VENDOR QUALIFICATIONS AND STANDARDS

1. Due to the importance of installing and maintaining the equipment in a continuous and safe operating condition, it is imperative that the successful bidder meet certain minimum qualifications that will guarantee The University of Alabama that the successful bidder is qualified to install service and repair the equipment required in this RFQ. In order for bidders to qualify, the following requirements must be fulfilled:

2. All bidders must be factory authorized to install/service/repair the equipment being quoted. All installation/maintenance/repair service must be provided by the successful bidder with factory trained service personnel, who have completed the appropriate level of both hardware and software training offered by the manufacturer for the products/equipment required in this RFQ. A letter from the manufacturer verifying the successful vendor’s status as factory authorized for install/service/repair system must be provided within forty-eight (48) hours after request by the University Contract Administration.

3. Security systems, including Surveillance Video and Access Control, shall make up a majority of the contractor/integrator’s business.

4. The contractor/integrator must provide documentation of experience with design, installation, service and management of a large integrated security system deployed over a large area.

5. The contractor/integrator must be factory authorized (preferred Elite or highest level possible) to install and service the following Video and Access control systems: Avigilon and all Lenel systems products and Mercury hardware. A letter from the manufacturer verifying the contractor/integrator’s status must be provided at the time of proposal submission. Documentation should include the number of employees trained for each system.

6. The contractor/integrator must be experienced in the installation and service of the following security hardware with a minimum of five (5) years' service at current company: electrified locks, electrified panic hardware, magnetic locks, electrified gate hardware, turnstiles, punch code readers, proximity readers, biometric readers, intrusion systems, fixed cameras, pan-tilt-zoom cameras, megapixel cameras, video analytic cameras, analog digital video recorders, network video recorders, POE injectors, analog cameras products and IP based cameras and products. The successful bidder will also be experienced in installing fiber and fiber based equipment. Certification by Assa Abloy is required for the installation of electrified locking hardware.

7. The successful bidder must be licensed by the State of Alabama. A copy of your company’s Alabama Electronic Security Board of Licensure license must be provided to University Contract Administration Dept. within forty-eight (48) hours of request by the Contract Administration. Failure to provide the required documentation may eliminate your bid from consideration in the bid award.

8. A General Contractor’s license is required. The General Contractor’s license must be for the State of Alabama.

9. All technicians must be employed by the successful bidder. Installation, service and repair will be performed by the successful bidder’s employees and can NOT be subcontracted with other individuals or companies without prior written approval.

10. Each technician must have a current AESBL license. The vendor will also be required to provide a copy of this for each technician, who will be performing work on the University of Alabama campus.

11. The installation, service and repair personnel shall be under the direct supervision of a full-time, factory trained Certified Security Project Manager employed by the successful bidder.

12. Installation, service and repair personnel must have an overall clean/neat appearance, uniform shirt including company name and Picture ID name tag must be worn at all times. T-shirts are acceptable, if company name is displayed and Picture ID name tag can be affixed to it.
13. The successful vendor shall NOT assume possession or control of any part of the installed equipment/products or any site where this work is provided.

14. The successful vendor MUST be capable of responding to a service call within one hour of notice by the University and must be capable of performing any type of repair or service necessary to properly maintain the equipment at The University of Alabama. Upon award of the bid, the successful vendor will provide the University with a list including names of trained personnel responsible for responding to service calls and their phone numbers for regular work hours as well as night and weekend hours.

Contractor/integrator must have a “dedicated” service department capable of a one hour on site response time Monday through Friday 8:00 A.M. - 5:00 P.M. Requested “emergency” on site response time must be less than two hours at all times. A “dedicated” service department has staff whose primary role is to repair and maintain hardware.

Contractor/integrator must have a “dedicated” engineering department capable of a one hour response time Monday through Friday 8:00 A.M. - 5:00 P.M. Requested “emergency” response time must be less than two hours at all times. A “dedicated” engineering department has staff whose primary role is to design systems and maintain software.

15. Contractor/integrator must be able to provide “CAD” drawings of all projects for planning and “as-built” purposes. The contractor/integrator will maintain and provide electronic CAD drawings of all projects upon completion of a project and upon request.

16. Contractor/integrator must provide “Project Management” staff to coordinate with other trades and contractors on projects. Include documentation of Security Project Manager or NICETII certifications.

17. Contractor/integrator must provide “Account Management” staff to assist with design, integration, and efficiency of projects.

18. The contractor/integrator must establish a system of inspections and commissioning of projects to ensure quality and performance of systems. The beginning of the warranty period starts when commissioning is complete.

19. The contractor/integrator must be factory authorized and certified in installation of Lenel systems Picture Perfect, On-Guard, Interlogix video systems, and Avigilon VMS systems and cameras at the time of proposal and for the duration of the approved bid. Documentation of training and experience for each system must be provided.

20. The contractor/integrator must demonstrate ongoing safety awareness training for employees and compliance with OSHA 10 or 30 as appropriate.

21. The contractor/integrator must provide “lift certified” technicians for projects where lifts are required. Documentation of this training is required.

22. The contractor/integrator must be able to demonstrate the ability to design and install security related network infrastructure to include typical copper network cable, manageable switches, and fiber optic systems. Documentation of certifications and training for:
   - MCP - Microsoft Certified Professional.
   - CompTIA Net+ - Vendor-neutral certification that proves a technician's competency in managing, maintaining, troubleshooting, installing, and configuring basic network infrastructure.
   - CompTIA iNet+ - Vendor-neutral certification that proves a technician’s competency in managing, maintaining, troubleshooting, installing and configuring Websites, Web Servers, Ecommerce
   - CompTIA A+ - vendor-neutral certification proves competence in areas such as installation, preventative maintenance, networking, security and troubleshooting.
23. The successful vendor agrees to abide with all applicable federal, state, county and city laws and regulations and to be responsible for obtaining and/or possessing any and all permits and licenses that may be required. A general contractor's license is required.

24. The relationship of successful vendor to University shall be that of independent contractor. All equipment used by the successful vendor in the performance of the bid requirements hereunder shall at all times be under the exclusive control of the successful vendor, and all expenses incurred by the successful vendor in the operations of the equipment shall be paid by the successful vendor, without reimbursement.

25. The successful vendor is not an employee of the University, but is engaged as an independent contractor. Nothing in this agreement will be construed as authority for the successful vendor to make commitments, which will bind the University to or otherwise act on behalf of the University, except as the University may expressly authorize in writing.

9.51 PRODUCT SPECIFICATIONS

1. The University of Alabama Department of Public Safety, in keeping with its Mission statement of partnering with members of the University community to maintain an environment of safety conducive to the accomplishment and fulfillment of the University of Alabama's overall mission by providing information and services that enhance personal safety and protect resources, is committed to enhancing the quality of the campus community by integrating the best practices of public and private security with state of the art technology. A critical component of the master campus security plan is the use of a state of the art Integrated security system management with access control and video surveillance.

2. VERY IMPORTANT: Brand, product/model number for the items you are quoting and any other required information must be provided on the bid quotation sheets. Failure to provide this information on the bid response may eliminate your bid from consideration in the bid award. Due to the existing compatibility requirements, alternates will not be accepted in this bid request with the exception of four (4) line items. The manufacturer's published technical specifications must be included with your bid response for any alternate items offered to receive consideration. Failure to comply with this requirement may eliminate your bid response from consideration.

   a. All ISSM access control hardware and software provided must be from one manufacturer and the CCTV system must be from one manufacturer as specified. Each must have the capability of interfacing with each other. No alternate products will be accepted in this bid request unless 100% interoperability with the existing systems can be demonstrated to the satisfaction of the University. All other equipment supplied must be capable of integrating and functioning with the control system.

   b. This bid does not include any provisions for trading-in existing equipment.

   c. All products for purchase must be new, never previously used, and the current model and/or packaging. No remanufactured, demonstrator, used, or irregular product will be considered for purchase under the terms and conditions of this bid.

   d. Vendors may be required to submit the manufacturer’s user's manuals for operations, administration, installation and maintenance during the bid evaluation. If requested, these manuals must be provided to the Contract Administration within forty-eight (48) hours of request. Failure to comply with this requirement may eliminate your bid response from consideration.

   e. Any exception taken to any portion of this request MUST be so stated on the page labeled Exceptions to Terms and Conditions or The University of Alabama will assume compliance with all requirements as set forth in this bid. The successful vendor will be responsible and accountable for providing the items and/or services as specified in the bid response. Failure to complete the enclosed quote sheet may eliminate your bid from consideration.
f. The University reserves the right to make inspections and tests with respect to performance of equipment as well as the quality of work being performed. If it is found the specifications are not being met, the University may immediately cancel or suspend the contract without penalty or rebuttal.

g. The University of Alabama shall be sole judge of whether your items bid are consistent with the technical specifications and/or general requirements of this bid invitation.

h. All ISSM access control hardware and software provided must be 100% compatible with existing systems in use on the University campus.

9.52 SYSTEM TRAINING

1. The successful vendor shall provide system operations, administration, and maintenance training by factory-trained personnel qualified to instruct.
   a) The University of Alabama will designate personnel to be trained.
   b) Provide printed training materials for each trainee including product manuals.
   c) Provide hands-on training with operational equipment.
   d) Training shall be oriented to the specific system being installed under this contract as designed and specified.

9.53 SYSTEM REQUIREMENTS

1. Architecture:
   A. The ISSM shall be a windows based client/server application capable of integrating multiple security functions including management, control, and monitoring of access control, alarms, photo ID badging, interfacing with video surveillance and database subsystems.
   
   B. The ISMS shall be designed for the windows server operating system, with multi-user and multi-tasking capability, Capable of running in a VMS environment. The ISMS shall utilize an open architecture where all data must reside on a single database and must be accessible in real time to SMS workstation or Web-based client connected to the network. The system shall be configurable to support all of the following databases: 2016 to and future versions of Microsoft SQL Server, Oracle Server.
   
   C. The SMS shall be written so that all system modules (access control, alarm monitoring, ID or credential management, visitor management, asset management and digital video management) are developed and built from a unified single 64-bit source code set. Separate source code bases for individual modules of the SMS are not acceptable.
   
   D. The ISSM shall support user definable database partitioning, for defining limited views of the ISSM database.
   
   E. The ISSM shall conform to the standard TCP/IP networking communications protocol between the application server, client workstations, control panels, video surveillance system(s) and database subsystems, Ethernet connectivity support over LAN/WAN network typologies.
   
   F. The ISSM shall be flexible and scalable in architecture, permitting expansion of both capacity and functionality, to be implemented progressively as needed, through software licensing and/or software upgrades.
   
   G. The ISSM shall provide a real-time display of all system status and data at all operator workstations.
H. The ISSM shall monitor status and record activity transactions of all secured areas and alarm input/output points; visually and audibly annunciate alarms upon change of status, for assessment and response at all operator workstations.

I. The ISSM shall monitor and record card access, alarm, and operator activity to an online history/archive database for reporting.

J. The ISSM shall employ distributed processing technology, allowing the host to function almost entirely as an application/database server. The majority of the real time, day-to-day decisions shall be made locally by intelligent control panels. The control panels shall be the direct field interface for all access control, alarm sensing, and input/output-controlled devices.

K. Each control panel shall be able to continue access control and alarm-monitoring operations autonomously, in the event of ISSM host unavailability, and Power Failure.

L. The ISSM shall manage and automatically download in real-time, all database changes made at all operator workstations, to the control panels that require notification of the specific database changes or updates.

2. System Capacity: Provide total system capacity to accommodate the following:

A. The ISSM system shall be designed with no hard limits to the number of badges, access events and operator transactions.

B. Cardholder Database: Access control cards shall be unique 16-digit numbers without facility code dependency. There should be no hard limit to the number of badges in the database.

C. Access Readers: Must be capable of supporting up to 255 Intelligent controllers per communications server with each I.C. supporting 64 readers.

D. General Purpose Alarm Inputs: Must be capable of supporting up to 24,000 per host and upgradeable to a multi-host configuration.

E. General Purpose Outputs: Must be capable of supporting up to 20,000 relayed or TTL level output points per host and upgradeable to a multi-host configuration Control Panels: Must be capable of supporting up to 255 control panels per host and upgradeable to a multi-host configuration.

F. Workstations: Must be capable of supporting an unlimited number of client workstations with an unlimited number of concurrent workstation logins per host and upgradeable to a multi-host configuration with up to 31 synchronized hosts, each supporting an unlimited number of concurrent workstation logins.

G. Transactions: Must be capable of centrally storing a minimum of 1,000,000 historical events online.

H. Time Schedules: Must be capable of supporting an unlimited number of time zones defined in the database at any given time.

I. Categories: Must be able to define an unlimited number of categories in the system database. With the understanding that these will be spread across multiple segments.

3. Control Panel Capacities:

Field Configurable Control Panel:

A. Card Readers: Capable of supporting up to 64 card readers each.

B. General Purpose Alarm Points: Capable of supporting up to 80 four-state supervised alarm input points.

C. General Purpose Outputs: Capable of supporting up to 64 relay or TTL level output points.
D. Access Control Card Memory: Up to 100,000

E. Offline-History Transaction Buffer: Up to 16,000

F. Uninterruptible Power Supply: Battery rated for a minimum 4 hours of continuous operation at full load.

4. **Operator Interface:**

A. The ISSM shall use a client application interface for system configuration, administration, management, and monitoring operations.

B. The ISSM shall provide a - windows, graphical user interface allowing operator(s) to open and work on multiple windows simultaneously, at host server and client workstation(s) with minimal degradation to system performance.

C. The ISSM shall provide a client interface that is capable of accessing the system from any authorized computer on the network. The ISSM shall provide on-line context sensitive help files to facilitate operators in the configuration and operation of the ISSM.

D. The ISSM shall implement National Language Support (NLS) in a manner that allows simultaneous multi-lingual operation, based on individual operator language preference. The graphical user interface and on-line help shall support English and [Spanish] [French] [Portuguese] [Italian] [German] [Russian]

E. The ISSM shall support defining an unlimited number of operators; application access via workstation(s) shall be restricted by operator login and password. Operator profiles shall be configurable to include form level and field level permissions, database partition views, and language preference.

F. The ISSM shall provide primary and secondary menus that lead to input forms (screens) to add, change or delete information.

G. The ISSM shall provide a configurable toolbar to display most frequently used applications.

H. All ISSM forms shall support custom forms and templates that can be created based on an existing record or modifying a blank record.
   a. All forms can be customized to include the fields and tabs of the operator’s choice and be set as a default
   b. The templates can then be used to generate new records with the necessary links already set up

I. The ISSM shall provide the capability to create custom lists to appear on the operator’s forms to satisfy specific requirements – such as a list box of company or division names

J. The ISSM shall provide definable templates for configuration wizards allowing an operator to create master templates for generating new records with the necessary links predefined
K. Cardholder Management The ISSM shall provide an operator interface for enrollment, modification and deletion of cardholder’s personnel and access control information. The cardholder’s personnel and area access information shall include the following data:

a. First Name
b. Last Name
c. Initials
d. Badge ID number (4 to 16 digits, unique access control identifier)
e. Employee Number
f. Pin Number (4 digit number for authenticating cardholder in card & keypad reader applications).
g. Personnel Type (Selectible from a user defined list that shall include at a minimum; Permanent, Temporary, Contractor, and Visitor classifications)
h. Department (Selectible from a user defined list)
i. Status (Active, Suspended, Lost, Deleted)
j. Anti Passback Status (In, Out, Neutral, Privileged)
k. Issue Date.
l. Access Date.
m. Return Date.
n. Expire Date (Required to automatically expire access control card ID numbers at control panel level in real-time without ISSM host notification).
o. Trace Activity (Enable/Disable)
p. Address 1 (User definable label)
q. Address 2 (User definable label)
r. Address 3 (User definable label)
s. Address 4 (User definable label)
t. Address 5 (User definable label)
u. Phone Number
v. Usage Count.
w. 40 User Fields (User definable labels)

L. Limited Badge Usage: The badge user interface shall allow an operator to set a specified number of valid badge swipes for each badge. This usage count shall be decremented in the badge record in the database each time the user swipes the badge and receives a positive passage transaction. The Intelligent Field Panel shall send a message to the host to decrement the usage count only if the badge is presented on a reader configured to limit badge usage. If the reader is not configured for limited usage, the badge shall operate as if it has an unlimited count. When the count reaches 0, the badge shall cease to operate on all limited usage readers. The host shall then send an update to all Intelligent Field Panels to update the database to “Usage Exhausted”. The Intelligent Field Panels shall not grant access to that badge, provided the badge is used at a limited usage reader, and shall report a “Usage Exhausted” transaction type to the host. The count field shall allow for a maximum of 99,999,999 valid swipes. When the count reaches 0, the operator will have to reset the count to re-activate that badge in the decrement type readers.

M. Temporary Badge Management: The ISSM must have the ability to define Badge ID’s in the database and flag them for use as temporary badges. The system must be able to then assign a previously entered temporary badge to a permanent employee and have all the badge information including Access Categories transferred to the temporary badge for a definable amount of time. Once the time limit is reached the temporary badge shall cease to function and become available again for issuance.

N. Cardholder Search: The ISSM must allow the Operator to search for records and images using search criteria on any field(s) in the database. The Operator must be able to enter the search criteria for one or a combination of fields. In addition, partial searches must be supported and shall return every record in the database, which contains that information in the searched field. The ISSM shall support basic Boolean logic searches (greater than, greater than or equal to, less than, less than or equal to, equal to). In a query with no matching records, the ISSM must display a message indicating that there is no match for the key field information supplied. The ISSM shall support appended searches where the results of one search can be appended to the results of subsequent searches ad infinitum to create a mixed result set.
5. Access Control Management:

A. The ISSM shall allow or deny access to secured areas and output control via access control readers, based on validation of a cardholder's assigned access rights.

B. The ISSM shall support defining an unlimited number of access rights in a manner that associates reader(s) with a specific time schedule. The time schedule shall define the specific time(s) of day and day(s) of the week for which access will be granted for the associated reader(s) and/or controlled output(s).

C. The ISSM shall allow cardholders to be assigned multiple access rights and multiple access control cards.

D. The ISSM shall monitor all secured areas and process an alarm notification whenever a reader controlled door is opened, unless door is opened pursuant to a valid card read, exit request through egress device, or door has been manually unlocked via remote command from an authorized system operator.

E. The ISSM shall be capable of enforcing proper in/out sequence of badge usage known as anti-passback. This is accomplished by designating readers as either "in" or "out" readers.
   a. Global anti-passback: Global anti-passback shall be configurable as either active or passive. Active global anti-passback will not permit the cardholder to use their card when they fail to card in/out properly. The violation shall be reported, as an alarm and the door remain locked to that person. Passive global anti-passback will allow the cardholder to open the door but the violation will be reported as an alarm.
   b. Timed anti-passback: Timed anti-passback shall prevent a cardholder from using their badge out of sequence for a specified length of time (e.g. 5 minutes).
   c. The ISSM shall be capable of designating specific badges as "Privileged". When a card reader defined as anti-passback reads a "Privileged" badge, the system shall ignore the anti-passback status. Access shall be granted if the badge has authorization to the area, regardless of the anti-passback status.

6. Time Schedule Management:

The ISSM database shall support defining an unlimited number of schedules. Schedules shall define time, day and date intervals for automatically executing ISSM functions and events.

A. Time zones shall define start and stop interval(s) by time of day and day of week. Each time zone shall support multiple intervals per day and multiple days per week. Time schedules shall be applicable to the following ISSM functions:
   a. Cardholder access rights to secured areas
   b. Readers online/offline
   c. Doors lock/unlock
   d. Alarm monitoring on/off
   e. Inputs enabled/disabled
   f. Outputs on/off
   g. Transaction routing for alarm and card activity

B. Event Schedules shall define specific time(s) for an event to occur by time of day and day of week. Each event schedule shall support multiple events per day and multiple days per week. Event schedules shall be applicable to the following ISSM functions:
   a. Changing reader modes of operation between badge only, badge and keypad, badge or keypad.
   b. Changing alarm monitoring sense times.
   c. Resetting anti-passback and/or time and attendance IN/OUT status of all cardholders in control panel databases.
   d. Initiating a scheduled dial from host to communicate to remote dial-up control panels.

C. Global time zone support shall define local times by operator and micro. Configurable time zone shall also available.
7. Reader / Door Control:

A. The ISSM shall allow access control readers to be individually configured for different applications and shall support the following:
   a. Physical Reader Type: Each reader’s physical mode of operation shall allow to be manually changed by an operator, or automatically via a system event schedule, for increasing or decreasing the level of security required for accessing secured areas at any time.
      • Badge Only
      • Badge and Keypad
      • Badge or Keypad
      • Locked
      • Unlocked
      • Default
   b. Logical Reader Type: Each reader’s logical mode of operation shall be configurable to support the following:
      • Normal
      • Anti-passback IN, configurable to operate in enforced or passive mode.
      • Anti-passback OUT, configurable to operate in enforced or passive mode.
      • Time and Attendance: The ISSM shall be capable of collecting and storing the database Time & Attendance information. All T&A transactions collected by the ISSM shall be exportable from the database for use by other systems such as Human Resources or Payroll.
      • When in Time & Attendance mode; the reader must still be capable of operating as a normal access control reader.
      • Time & Attendance IN, configurable to operate in enforced or passive mode.
      • Time & Attendance OUT, configurable to operate in enforced or passive mode.
      • An option must be available for a Time Display reader, which reflects the real time of the transactions being captured.
      • IN Required, configurable to operate in enforced or passive mode.
      • Elevator Control
   c. Maximum unlock time after a valid card read shall be configurable from 0 to 9998 seconds.
   d. Alarm sense time for allowing a door to remain open after a valid card read, before reporting a door held open alarm, shall be configurable from 0 to 9999 seconds.
   e. Door relock after a valid card read shall be configurable to support the following:
      • Lock on duration
      • Lock on open
      • Lock on close
   f. Reader / Door State:
      • Each reader shall support operating in a default on-line or off-line state, allowing to be manually changed by an operator, or automatically under a time of day and day of week schedule.
      • Each door shall support operating in a default locked or unlocked state, allowing to be automatically changed under a time of day and day of week schedule.
      • Each door shall support a configurable pre-alarm. The pre-alarm will be signaled a specified amount of time before an actual alarm is to be sent.
      • Each reader shall support “double tap” or the ability to change the state of the reader from locked to unlocked
   g. Reader Transaction Routing:
      • Transactions for valid, invalid, and lost cards from each reader shall be independently configured for default routing to history/archive, system printer, and/or specific operator workstations.
      • Valid card transaction from each reader shall be independently configured to support routing under time of day and day of week schedule to history, system printer, and/or specific operator workstations.
B. Occupancy Control and Two Man Rule Reader control: The ISSM shall be capable of maintaining a count of the number of people in an area at any given time and controlling access based on who is currently in the area, preventing individuals from being alone in restricted or highly secure areas. When an area is configured for “Two Man Rule”, the following criteria shall prevail:
   a. The card reader will grant access only if two cardholders designated as “Members” swipe their badges one after the other. In the event that a second authorized card is not presented within 5 seconds of the first authorized badge, the card reader shall reset and the first card will have to be swiped again.
   b. Once two “Members” occupy an area, individual access of both “Member” and “Guest” badges shall be granted.
   c. Individual exit shall be permitted until an area is occupied by only two “Members” at which point the Double Badge Reader Feature applies for exit.

C. Swipe and Show Reader: The ISSM shall be capable of defining a reader as a Swipe and Show reader. When a valid badge is presented to the reader, the system will display the photo image of the badge holder for visual verification. When a reader is configured as a swipe and show reader, the operator has the ability to specify from the activity monitor whether or not the photo should be displayed for any given monitoring session. An ‘Authorization Required’ optional parameter can be set to require the operator to unlock the door with a click of the mouse. The photo images are displayed as thumbnails within the activity monitor alongside the transaction information. By clicking on the thumbnail, a full-detail image is displayed for easier photo identification.

D. Elevator Control:
   a. The ISSM shall have the ability to control access for calling of elevators cabs and selecting floor destination. The following elevator applications and configurations shall be supported:
   b. Elevator Cab Access: Elevator cab call buttons shall be illuminated and enabled for selection when valid access via reader is granted.
   c. Floor Access: Floor access shall be controlled via a reader located inside of each elevator cab; multiple floors serviced by elevator cab(s) shall be controlled. Floor access shall support the following:
   d. Non Floor Tracking: when an authorized card is presented to the reader located inside the elevator cab, only the floor buttons for the cardholder’s corresponding assigned access will be illuminated and enabled for a user definable length of time to allow selection.
   e. Floor Tracking: when an authorized card is presented to the reader located inside the elevator cab, the cardholder shall be allowed to enter a 2-digit floor code on the reader’s keypad to which they have corresponding assigned access. The floor selected by the cardholder shall be a recorded transaction in the card history/archive database.

E. Input/Output Control: The ISSM shall allow control panel input and output points to be individually defined, configured, and controlled:
   a. Input point(s) shall be user configurable for specific applications. The following application types shall be supported:
      • Alarm - digital input used to trigger an alarm and any selected output.
      • Digital Output - digital input used to trigger a selected input without alarm notification.
      • Elevator - digital input used for elevator control.
      • Inactive - digital input is disabled.
   b. Input point(s) shall support a user configurable sense time from 0 to 64 seconds. Sense time changes shall be supported via event schedules.
   c. Input point(s) shall allow the active state to be configured as open or closed.
   d. Input point(s) shall be user configurable to control a primary and/or secondary output. Input point(s) configured for output control shall allow being enabled or disabled via time schedule.
      • The primary output shall be configurable to follow the input point’s state change or activate for its defined output duration.
      • The secondary output shall be configurable to follow the input point’s state change or remain activated until manually reset or scheduled off.
   e. Output point(s) shall support a user configurable duration time from 0 to 64 seconds.
   f. Output point(s) shall allow the active state to be configured as on or off.
   g. Output point(s) shall be automatically controlled via time schedule to turn on or off.
   h. Output points shall allow grouping to facilitate activating multiple output points, on or off, via time schedule.
i. Output point(s), including reader controlled doors, shall allow manual control by authorized operators in the following manner:
   - Activate/unlock for duration.
   - Activate/unlock indefinitely.
   - Deactivate/Lock.
   - Schedule override.
   - Text entry explaining reason for manual operator control shall be recorded in operator history/archive database.

F. Alarm Management: The ISSM shall allow alarms to be individually defined, configured, and controlled in the following manner:
   a. Configure if monitoring of the alarm is enabled or disabled. An alarm shall allow monitoring to be controlled manually by an authorized operator and automatically via time schedule.
   b. Configure if operator acknowledgement of the alarm is required before the alarm can be cleared from the alarm monitor at operator workstations.
   c. Configure if priority levels for prioritizing the processing and display of alarms.
   d. Configure if remotely connected control panels via modem, shall initiate communications to the host server to report the alarm condition.
   e. Configure if the alarm shall be routed to the history/archive database and/or printed on a host/server alarm printer.
   f. User-definable instructions shall be assignable to each alarm, in the order required to display, in the alarm monitor at operator workstations.

G. System Monitoring: The ISSM shall allow the operator to have displayed alarm information and real-time badge and/or operator activity.

H. Segmentation: The ISSM system shall allow for segmentation of the systems to allow for independent areas of control.

I. Activity Monitoring:
   a. The activity monitor shall display only those activities that have been assigned to a particular workstation/segment. The ISSM shall allow area activity to be routed individually. The ISSM shall allow multiple terminals to receive the same area activity. By default if an area activity does not have a routing assigned, it shall be transmitted to every terminal on the ISSM.
   b. The ISSM shall report badge transactions to the activity monitor and history table. It shall distinguish between a door open condition and a door not opened within door unlock time condition by displaying the transaction type as either:
      - Granted Access – Door sensor is opened while door is unlocked.
      - Granted– Pending Entry – Door unlock time expired with no door open.

J. Alarm Monitoring:
   a. The alarm monitor shall display only those alarms that have been assigned to a particular operator or an operator’s assigned permission. The ISSM shall allow alarms to be routed individually. The ISSM shall allow multiple workstations to receive the same alarms. By default if an alarm does not have a routing assigned, it shall be transmitted to every workstation on the ISSM.
   b. To assist in the management of alarms of the system, the system administrator shall be able to define different foreground and background colors for the alarm text from a palette of 16,777,216 different colors, for each type of alarm in the system. Alternatively, the system administrator shall be able to assign foreground and background colors for the alarm text based on the operator processing state of the alarm, i.e., ALARM, RESET, PENDING, CLOSED. When an alarm occurs, a pop-up alarm alert window shall appear on workstations configured to receive pop-ups. The window shall beep and display the number of new alarms, the number of unanswered alarms and the highest priority alarm that is pending. The pop-up alert window shall appear even if the application is not currently running.
Within the alarm monitor window, each alarm shall be represented by the following information:
- Priority (display is sorted with most critical alarm first)
- Alarm Description
- Location of the alarm or sensor
- Current condition of the alarm (alarm, reset, tamper)
- Current status of the input (open, closed, short/ground, cut)
- Current operator process state (active, pending, completed)
- Date
- Time
- Count (number of times the alarm has changed state)

Positive action by the operator shall be required to acknowledge an alarm; acknowledgment of an alarm shall cause all displays of the alarm condition to indicate the acknowledged state.

The ISSM shall allow for a purge feature that would enable a “specified” user to purge all alarms on a given alarm screen regardless of their state.

The operator shall have the capability to select the alarm(s) still pending (a pending alarm is an alarm that has been acknowledged, but the input point has not been reset) on the alarm monitor window and to display all prior operator responses to-date. The information displayed for the operator shall provide details of the operator who input the information, date, time and the complete response.

The operator shall be able to continue to input information from a list of pre-defined responses or in free from over a period of minutes, hours, days, or weeks until the alarm is reset and completed.

Alarms in the “reset” state that have been acknowledged shall be automatically removed from the Alarm Monitor window.

An alarm will only be visible in the Alarm Monitor if the operator’s current segment includes the originating segment of the alarm.

Database Reporting: The ISSM shall provide on-line database reporting without degrading system performance. The following reporting functions and capabilities shall be supported:

Predefined reports with the ability to create and save user definable templates for grouping, sorting, and filtering data. A minimum number of predefined reports shall be furnished covering the following topics:
- Cardholder and card ID information.
- System administration and device configurations.
- System schedules and events.
- Reader access.
- Floor access.
- Roll call / Muster.
- Time and attendance.
- Alarm history.
- Badge history.
- Operator history.

Reports shall allow operators to perform page setup, preview report on-line, print, and export reports to multiple file formats and destinations.

Export file formats supported shall include:
- Crystal Reports.
- Data Interchange Format.
- Excel.
- HTML.
- Lotus.
- ODBC.
- Paginated Text.
- Report Definition.
- Rich Text Format.
- Tab Delimited Text.
- Unformatted Text.
- Word.
d. Export destinations supported shall include:
   • Disk File.
   • Exchange Folder.
   • Lotus Domino Database.
   • Microsoft Mail (MAPI).

e. The ISSM shall support direct database connectivity for facilitating report generation from
   external 3rd party database applications. The following applications shall be supported:
   f. Microsoft SQL Server.
   g. Microsoft Access
   h. Web reporting interface to Crystal Reports for enterprise information delivery.

L. Database Import Interface: The ISSM shall support direct database connectivity for importing
   cardholder and card ID data from external systems and/or database applications. The ISSM shall
   facilitate interfacing by providing the following capabilities:
   a. Real time and batch processing of data via ODBC over a network connection.
   b. Insert, update, and delete record information.
   c. Automatic download of data to ISSM control panels based on database changes.
   d. Provide audit trail in the operator history/archive database for all database changes initiated by
      the interface.

M. Video Surveillance Interface: The ISSM shall support software interfacing with Digital and analog
   video surveillance systems for facilitating real-time response to monitored events processed by the
   ISSM.

N. Web Reporting Interface: The ISSM shall support a web based reporting system which shall be
   available to any authorized user on the network.
   a. The web reporting shall be partitioned by facility
   b. The web reporting shall be accessed via username and password
   c. The web reporting shall provide pre-defined reports for
   d. Personnel Reports
   e. Badge Reports
   f. Device Configuration Reports
   g. System Configuration Reports
   h. Badge History Reports
   i. Alarm History Reports
   j. Operator History Reports
   k. The web reporting shall provide the ability to define new reports using tools similar to Crystal
      Report Designer.
   l. The web reporting shall provide the ability to save report configurations.
   m. The web reporting shall allow up to 50 concurrent users

O. Application Program Interface: The ISSM shall support application programming interface (API),
   which allows authorized software connections between the ISSM and external systems. The API
   for the ISSM shall facilitate real-time response to monitored events processed by the ISSM.
   a. The ISSM shall only allow authorized connections through the API.
   b. The ISSM shall allow at least five (5) concurrent connections to external systems through the
      API.
   c. The API for the ISSM shall expose these parts of the ISSM:
   d. Bi-directional alarm event processing for monitoring and acknowledgement
   e. Receiving ISSM badge events
   f. Receiving digital input events
   g. Receiving intrusion zone events
   h. Control of alarm point monitoring On/Off
   i. Control of digital input points Enable/Disable
   j. Control of digital output points Open/Close
   k. Control of intrusion zones Arm/Disarm
   l. The manufacturer of the ISSM shall have a development support program that facilitates third
      party developers developing applications that integrate with the ISSM.
   m. The manufacturer of the ISSM API shall have sample code available to support developers in
      their efforts to integrate with the ISSM.
P. Software
   a. Host Server Software:
      Microsoft Server operation system architecture
      Microsoft SQL
   
   b. Security Management Software:
      • Picture Perfect (current version) Stand Alone System
      • LENEL OnGuard 7.2

Q. HARDWARE: Host Server and Operator Workstations: Provided by The University of Alabama. Each Host and Operator computer shall be provided with a UPS system. The intelligent field controllers, door via hardware and associated devices shall be fully operational a separate battery back-up system.

   a. Control Panels: Lenel series control panels, CASI, Micro/5PXN, , and Micro/PXN-2000/3000 as appropriate. The ISSM control panels shall be intelligent and fully stand-alone processor capable, making all local access control and alarm monitoring decisions without host server dependency. Control panels shall support and provide the following:
      • UL listed under UL 294 and UL 1076; FCC Part 15 and CE compliant.
      • Direct on-board support for industry standard RS232, RS422, Dial-up modem AT command set, and 10/100Mb Ethernet communications interfaces to ISSM hosting server or operator workstations.
      • Dual PCMCIA socket support for commercially available 10/100Mb Ethernet and modem PCMCIA cards.
      • Support redundant communications to ISSM hosting server or operator workstations; primary communications via 10/100Mb Ethernet with automatic switchover to secondary communications via dial-up modem when detecting network failure.
      • RS232 and RS422 communications ports for cascading/clustering multiple control panels via a single communications port interface to ISSM hosting server or operator workstations.
      • Flashable memory support for facilitating remote firmware updates from ISSM host server and operator workstations; control panels shall remain on-line and operational during firmware update process.
      • Control panel cabinet shall be of an industrial grade enclosure with knockouts for field wiring and have a key-locked and tamper protected door.
      • Low voltage power supply with uninterruptible battery backup allowing continued operations for a minimum of 4 hours at full load.

   b. Control Panel Interfaces: The ISSM control panels shall support on board and/or expansion interface boards for access control readers, alarm monitoring, and input/output control. Control panels shall support and provide the following as required:
      • Access Control Reader Interfaces:
         ➢ Shall support hard-wired connections to readers, including power and communications. Connections shall be supported at a minimum distance of 2,000ft. (610m)
      • Shall support supervision, monitoring, and processing of the following:
         ➢ Reader tamper and communications.
         ➢ Status changes from locally wired door sensor and request to exit device.
      • Shall support card only and card-plus-keypad style readers of the following technologies:
R. Input/Output Devices
   a. The Readers shall offer multiple models and or styles to fit various installation and Application requirements including:
      • Rugged, weatherized enclosures rated for indoor and outdoor mounting.
      • Rated for mounting on metal and non-metal surfaces.
      • Provide audible and visual indicators for reader status and validation of granted and denied access.
      • Provide styles and quantities as indicated on building drawings.

S. Electric Door Hardware:
   a. Electronic locking devices shall have a separate power supply to support the locks specified below. The unit shall incorporate integral battery charging capabilities and a fused line voltage input for a minimum of eight (8) individual locks. All power supplies shall be equipped with a 7 amp hour backup battery. The unit shall be equipped with a module to accommodate fire alarm NC contacts when a fire alarm activates.

T. Intrusion Detection Devices:
   a. Door Sensor Contacts:
      • 3/4 inch Magnetic door contacts shall be provided for all card access doors, exterior doors and doors requiring intrusion detection. Door contacts shall be provided on single doors and both leaves of double doors at locations indicated on drawings. Color to match existing finish.
      • Where building structure makes it impossible to install conduit within the wall or doorframe, the successful vendor shall substitute surface-mount contacts with armored cable for the specified contacts.
      • All devices shall be wired point to point and to the nearest ISSM control panel interface.
## OnGuard VAR/MSRP Price List (January 1, 2021)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWG-RAM15</td>
<td>OnGuard Area Access Manager software license for any OnGuard servers – includes 15 concurrent user license.</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-RAM25</td>
<td>OnGuard Area Access Manager software license for PRO servers – includes up to 25 concurrent user licenses.</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-1225</td>
<td>DataExchange – Global Data Import/Export Utility</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-1210</td>
<td>OnGuard Forms Designer (User definable Fields)</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-1250</td>
<td>Automatic Alarm Export, provides an output text file for configured alarms. The text file can be pulled into a third party application to report on alarm conditions.</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-1340</td>
<td>Intercom Communication Interface for OnGuard – check compatibility chart for intercom systems.</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-1450</td>
<td>Intrusion Panel Support Option (per panel) - check compatibility chart for panel support. NOTE: This license is primarily for older systems. New licensing method, is specific to panel manufacturer. It is not required to have both. So a NEW system would have Intrusion specific licenses below that have a numeric suffix (SWG-1450-x) such as DMP intrusion panels (e.g. SWG-1450-3).</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-1800-PL</td>
<td>Partner Access Device License for ANY electronic locks PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks] (one license per lock).</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-1800-N-PL</td>
<td>Partner Access Device License for ANY electronic locks NOT PURCHASED through Lenel and attached to an OnGuard system [REQUIRED license for all Third Party Locks] (one license per lock).</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-1402</td>
<td>Bioscrypt and Integrated Engineering interface for Fingerprint authentication option</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-1360</td>
<td>OnGuard support for Remote Desktop Protocol; Citrix Support [see compatibility chart for versions] and Terminal Services for 32ES, ADV, and PRO Level solutions [DOES NOT INCLUDE CITRIX].</td>
<td>$_____</td>
</tr>
<tr>
<td>IPC-303-DETR01-B</td>
<td>Detrios DAX - Must be ordered for the first 100 readers being monitored.</td>
<td>$_____</td>
</tr>
<tr>
<td>IPC-303-25</td>
<td>Additional 25 readers monitored by any IPC-303-xxx partner.</td>
<td>$_____</td>
</tr>
<tr>
<td>OCB-A-PROENT-1</td>
<td>OnGuard Browser client bundle for PRO systems only.</td>
<td>$_____</td>
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<tr>
<td>SWG-OAR-PRO-A</td>
<td>OnGuard Advanced Reporting License for OnGuard PRO Tier 1 or 2 systems</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-OAR-PRO-B</td>
<td>OnGuard Advanced Reporting License for OnGuard PRO Tier 3 or 4 systems</td>
<td>$_____</td>
</tr>
<tr>
<td>SWG-OAR-PRO-C</td>
<td>OnGuard Advanced Reporting License for OnGuard PRO Tier 5 systems</td>
<td>$_____</td>
</tr>
<tr>
<td>UPS-64PRO</td>
<td>OnGuard ADV to OnGuard PRO: ADV TO PRO Upgrade, Increases reader count by 64</td>
<td>$_____</td>
</tr>
<tr>
<td>LNL-X2210</td>
<td>Intelligent Single Door Controller; powered by PoE, POE+ or 12 VDC @ 1.8A maximum; size 5.5 in. (140 mm) W x 3.63 in. (92 mm) L x 1.33 in. (34 mm) H with bracket; 6 MB standard cardholder flash memory, 50,000 of event memory, maximum of one door, two readers (entry and exit reader, OSDP Secure Channel encryption for one reader with OnGuard7.2 and up, On-board PoE or PoE+ Ethernet, Dual Path capability, two inputs (supervised/unsupervised) for Door Contact and REX, two outputs (NO/NC), power fault input and cabinet tamper monitors. Reader power 12VDC@300mA max. Approvals: FCC Part 15, CE, RoHS, UL 294, UL 1076, CAN/ULC 60839-11-1:2016, CSA C22.2 No. 205-1983, cUL/ORD-C1076</td>
<td>$_____</td>
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<tr>
<td>LNL-X2220</td>
<td>Intelligent Dual Reader Controller – powered by 12 or 24 VDC @ 500mA (w/o Rdr Power), size 6” (152mm) W x 8” (203mm) L x 1” (25mm)H; 6 MB standard cardholder flash memory, 50,000 of event memory, maximum of 32 devices, On-board Ethernet, Dual Path capability, on-board two door control, OSDP Secure Channel encryption with OnGuard 7.2, Wiegand or F2F; eight inputs, four outputs, cabinet tamper and power fault input monitors. Approvals: FCC Part 15, CE, RoHS, UL 294, UL 1076, CAN/ULC 60839-11-1:2016, CSA C22.2 No. 205-1983, cUL/ORD-C1076</td>
<td>$_____</td>
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<tr>
<td>Code</td>
<td>Description</td>
<td>Price</td>
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<tr>
<td>LNL-X3300</td>
<td>Intelligent System Controller – powered by 12 or 24 VDC @250mA, size (5 in. x 127 mm) W x 6 in. (152.4 mm) L x 1 in. (25.4 mm) H; 15 MB standard cardholder flash memory, 50,000 Event memory. Two RS-485 ports for downstream devices, maximum of 64 devices, On-board Ethernet, Dual Path capability, cabinet tamper and power fault input monitors. Approvals: FCC Part 15, CE, RoHS, UL 294, UL 1076, CAN/ULC 60899-11-1:2016, CSA C22.2 No. 205-1998, cUL/US C1076</td>
<td>$250</td>
</tr>
<tr>
<td>LNL-X4420</td>
<td>Intelligent Dual Reader Controller – powered by 12 or 24 VDC @500 mA (w/o Rdr Power), size (6 in. x 152 mm) W x 8 in. (203 mm) L x 1 in. (25.4 mm) H; 16 MB standard cardholder flash memory (96 MB cardholder table can be enabled on) OnGuard 7.4 or higher, 50,000 Event memory. Two RS-485 ports for downstream devices, maximum of 64 devices, On-board Ethernet, Dual Path capability, on-board two door control with OSDP Secure Channel encryption or Wiegand; eight inputs, four outputs, cabinet tamper and power fault input monitors. Approvals: FCC Part 15, CE, RoHS, UL 294, UL 1076, CAN/ULC 60899-11-1:2016, CSA C22.2 No. 205-1998, cUL/US C1076</td>
<td>$250</td>
</tr>
<tr>
<td>LNL-6000</td>
<td>Star Multiplexer – 12 VDC, (6) Downstream RS-485 2-wire ports or (4) RS-485 4-wire ports.</td>
<td>$250</td>
</tr>
<tr>
<td>LNL-1100-S3</td>
<td>Input Control Module (Series three) – 12/24 VDC, 16 zone input monitor module, (32) 1K resistors (with 2 programmable output relays), RoHS, CE, O-Tick and UL294 certified</td>
<td>$250</td>
</tr>
<tr>
<td>LNL-1200-S3</td>
<td>Output Control Module (Series three) – 12/24 VDC, 16 relay output control module, RoHS, CE, O-Tick and UL294 certified</td>
<td>$250</td>
</tr>
<tr>
<td>LNL-1300-S3</td>
<td>Single Reader Interface Module (Series 3 - Supports OSDP Readers) – 12/24 VDC, 1 Reader interface, W/M, 2 inputs and 2 outputs relays (one of each, 2A and 5A) and cabinet tamper pigtail, RoHS, CE, O-Tick and UL294 certified</td>
<td>$250</td>
</tr>
<tr>
<td>LNL-CONV-1</td>
<td>Plastic Adapter plate to mount a single LNL-1300 module and a single LNL-2210 (2.75” x 4.25”)</td>
<td>$250</td>
</tr>
<tr>
<td>LNL-CONV-4</td>
<td>Adapter plate to mount up to 4 LNL-1300s in an CTX enclosure, Maximum two per LNL-CTX enclosure</td>
<td>$250</td>
</tr>
<tr>
<td>LNL-1324E</td>
<td>Dual Reader Interface Module (Series 3 –Supports OSDP Readers) – 12/24 VDC, 2 Reader interface, W/M, 8 inputs, 6 (5A) form C relays, RoHS, CE, O-Tick and UL294 certified</td>
<td>$250</td>
</tr>
<tr>
<td>LSP-4DRN-E4M</td>
<td>LSP-4DRN, E4M 24/10 X 20W ENCL, FITS TWO LNL CONTROLLERS, 2A 12VDC SYSTEM and 2A 24VDC LOCK, 8 MANAGED PTC OUTPUTS, FITS 8AH BATTERY SETS, UL CUL, LIFETIME WARRANTY, FPO150-100M8PNLE4M</td>
<td>$250</td>
</tr>
<tr>
<td>LSP-4DRN-RGM</td>
<td>LSP-4DRN NETWORK RACKDRAWER, FITS (2) LENEL PANELS, 2A 12VDC SYSTEM and 2A 24VDC LOCK, 8 MANAGED PTC OUTPUTS, ENCL 19.000 W x 3.500 D x 25.500 H, FITS MGMT ARM, UL CUL, LIFETIME WARRANTY, RGM150-8PNZ</td>
<td>$250</td>
</tr>
<tr>
<td>LSP-8DRN-E6M</td>
<td>LSP-8DRN, 8EM 50H X 23W ENCL, FITS FOUR LNL CONTROLLERS, 4A 12VDC SYSTEM and 4A 24VDC LOCK, 8 AUX PTC and 8 MANAGED PTC OUTPUTS, FITS 8AH BATTERY SETS, UL CUL, LIFETIME WARRANTY, FPO150-100M8PNLE6M</td>
<td>$250</td>
</tr>
<tr>
<td>LSP-16DRN-E8M1</td>
<td>LSP-16DRN, 8EM 36H X 30W ENCL, FITS EIGHT LNL CONTROLLERS PLUS (2) IO BOARDS, 12A 12VDC SYSTEM and 10A 24VDC LOCK, 16 AUX PTC and 16 MANAGED PTC OUTPUTS, FITS 8AH BATTERY SETS, UL CUL, LIFETIME WARRANTY, FPO150-200M8PNLE8M1</td>
<td>$250</td>
</tr>
<tr>
<td>LSP-CTX4DR</td>
<td>LSP 4DR PRE-WIRED CTX CROSS - SINGLE VOLTAGE, PRE-WIRED FOR TWO (2) LENEL PANELS ON MAIN, 4A 12VDC WITH FAI, LOW BATTERY DISCONNECT NETWORK READY FITS 8AH BATTERY SETS, 20H X 16W ENCL, UL CUL, LIFETIME WARRANTY, FPV4-E2M</td>
<td>$250</td>
</tr>
<tr>
<td>LSP-CTX6DR</td>
<td>LSP 6DR PRE-WIRED CTX CROSS - SINGLE VOLTAGE, PRE-WIRED FOR THREE (3) LENEL PANELS ON MAIN, 4A 12VDC WITH 8 AUXILIARY PTC OUTPUTS, FAI, LOW BATTERY DISCONNECT, NETWORK READY, FITS 8AH BATTERY SETS, 20H X 16W ENCL, UL CUL, LIFETIME WARRANTY, FPV4-D8PE2M</td>
<td>$250</td>
</tr>
<tr>
<td>LSP-CTX12DR</td>
<td>LSP 12DR PRE-WIRED CTX 10A 12VDC, PRE-WIRED FOR TWO (2) LENEL PANELS ON MAIN, FOUR (4) DOOR, 8 AUXILIARY PTC OUTPUTS, FAI, LOW BATTERY DISCONNECT NETWORK READY FITS 8AH BATTERIES, 20H X 16W ENCL, UL CUL, LIFETIME WARRANTY, FPV102-D8PE2M1</td>
<td>$250</td>
</tr>
<tr>
<td>LSP-CTX20DR</td>
<td>LSP 20DR PRE-WIRED CTX 10A 12VDC, PRE-WIRED FOR FOUR (4) LENEL PANELS ON MAIN, SIX (6) ON DOOR, 16 AUXILIARY PTC OUTPUTS, FAI, LOW BATTERY DISCONNECT NETWORK READY FITS 8AH BATTERIES, 24H X 20W ENCL, UL CUL, LIFETIME WARRANTY, FPV102-2D8PE4M1</td>
<td>$250</td>
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<tr>
<td>Code</td>
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<td>Price</td>
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<tr>
<td>LSP-E1M</td>
<td>1E1M ENCLOSURE WITH LENEL BOARD MOUNTING, 14H x 12W x 4.5D, BACKPLATE PATTERN FOR (1) CONTROLLER, MOUNTING KIT, TAMPER SWITCH AND LOCKSET INCLUDED, UL, CUL, LIFETIME WARRANTY, E1M</td>
<td>$</td>
</tr>
<tr>
<td>LSP-RBE</td>
<td>BATTERY RACKMOUNT ENCLOSURE, 19.00W x 3.50H x 20.50D (2 OR 4 POST RACK), HOLDS UP TO FOUR (4) 12VDC, 7 - 8AH BATTERIES, LIFETIME WARRANTY, RBE</td>
<td>$</td>
</tr>
<tr>
<td>LSP-MSM-25</td>
<td>BLOCK OF 25 LICENSES FOR MSM-ENTERPRISE. PURCHASE MULTIPLE BLOCKS FOR ADDITIONAL LICENSES. LSP ITEM: MSM-25</td>
<td>$</td>
</tr>
<tr>
<td>LNL-3300-M5</td>
<td>Intelligent System Controller, 12 VDC, Size (4 in. W X 10.25 in. L) RoHS</td>
<td>$</td>
</tr>
<tr>
<td>LNL-8000-MCOM</td>
<td>Power/Communications Module Provides RS485 comm &amp; Power to enclosure; Size (4 in. W X 10.25 in. L) RoHS</td>
<td>$</td>
</tr>
<tr>
<td>LNL-1320-2RP</td>
<td>Dual Reader Interface Module (Supports Wiegand, Magstripe, F2F, Supervised F2F Rdr), 12 VDC; 2 Rdr interface; 4 unsupervised inputs; 6 (5A) form C relays; RoHS</td>
<td>$</td>
</tr>
<tr>
<td>LNL-1320-S2RP</td>
<td>Dual Reader Interface Module (Supports Wiegand, Magstripe, F2F &amp; SF2F Rdr) 12 VDC; 2 Rdr interface; 4 supervised inputs; 6 (5A) form C relays; RoHS</td>
<td>$</td>
</tr>
<tr>
<td>LNL-1380-8RP</td>
<td>Eight Reader Interface Module (Supports SF2F Rdr) 12VDC; 8 Rdr interface; RoHS</td>
<td>$</td>
</tr>
<tr>
<td>LNL-1200-16DO</td>
<td>Output Control Module, 12 VDC; 16 driver open collector module; RoHS</td>
<td>$</td>
</tr>
<tr>
<td>LNL-1200-16DOR</td>
<td>Output Control Module, 12 VDC; 16 relay output control module; RoHS</td>
<td>$</td>
</tr>
<tr>
<td>LNL-1100-20DI</td>
<td>Input Control Module, 12 VDC; 20 zone input module RoHS</td>
<td>$</td>
</tr>
<tr>
<td>LNL-1340-M2K</td>
<td>Bridge Board for GE/CASI M2000 IO board, 4 SF2F Readers, 10 Inputs, 8 Relay Outputs. UL 294, CE, RoHS. Head-of-Line LNL-1340-M2K requires LNL-3300-M5. On Guard 7.2 or higher required.</td>
<td>$</td>
</tr>
<tr>
<td>LNL-8000-M5</td>
<td>8 Port RS-485 Multiplexer, form factor for M5/M3000 card cage, Typically replaces 8RP. Reuse existing wiring to deploy LNL-1300 in WUI or M/RJ location, allows upgrade to new reader technologies such as encrypted OSDP</td>
<td>$</td>
</tr>
<tr>
<td>SWG-1645</td>
<td>Enable Support for Lenel SH Series Hardware. Allows LNL-3300-GOM ISC to be configured, and reader (LNL-1380-ACM) &amp; alarm panels (LNL-1100-18 and LNL-1200-RH) to be configured within the OnGuard 7.3 or higher system</td>
<td>$</td>
</tr>
<tr>
<td>LNL-CCK</td>
<td>Command Display terminal Lenel Command Keypad - 32 character back-lit LCD display with a 16-position keypad, supports both direct RS-485 communication with the ISC and Wiegand TTL output, supports one external Wiegand input, 12VDC±15% @175mA (keypad only), C-Tick Certified</td>
<td>$</td>
</tr>
<tr>
<td>AA-AP-AH30RN1</td>
<td>Aperio 1 to 8 Wireless lock hub using Authentic Mercury; RS-485 connection to ISC; capable of handling up to 8 wireless locks per hub</td>
<td>$</td>
</tr>
<tr>
<td>AA-AP-APA-10-PC</td>
<td>ASSA ABLOY Aperio Programming Kit; includes USB Radio Dongle for programming; includes test card and memory stick [QTY of 1 each]</td>
<td>$</td>
</tr>
<tr>
<td>AA-AP-K100-622SE-B1</td>
<td>Aperio K100 Cabinet lock; with HID CLASS SE reader; black color; with round knob</td>
<td>$</td>
</tr>
<tr>
<td>AA-AP-K100-622IPS-BP</td>
<td>Aperio K100 Cabinet lock; K100-622-IPS-BP APERIO V3 CABINET LOCK, PROX BLACK,THUMBTURN</td>
<td>$</td>
</tr>
<tr>
<td>AA-AP-K100-622SE-W1</td>
<td>Aperio K100 Cabinet lock; with HID CLASS SE reader; white color; with round knob</td>
<td>$</td>
</tr>
<tr>
<td>AA-AP-K100-622PA-W1</td>
<td>Aperio K100 Cabinet lock; with HID 125 kHz Prox reader; white color; with round knob</td>
<td>$</td>
</tr>
<tr>
<td>AA-SAR-IN2200306</td>
<td>ASSA ABLOY Sargent POE Lock</td>
<td>$</td>
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<tr>
<td>AA-SAR-IN2200384</td>
<td>ASSA ABLOY Sargent POE Lock</td>
<td>$</td>
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<tr>
<td>AA-SAR-H2EM03</td>
<td>AA-SAR-H2-EM03: H2-EM03 Harmony Reader Head</td>
<td>$</td>
</tr>
<tr>
<td>AA-SAR-H2ED01ED-26D</td>
<td>AA-SAR-H2-ED01ED-26D: H2-ED01ED-26D Exit Device Controller</td>
<td>$</td>
</tr>
<tr>
<td>H2-ED01MLCYL-26D</td>
<td>Harmony Mortise Lock Controller</td>
<td>$</td>
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<tr>
<td>H2-ED01LC-26D</td>
<td>Harmony Cylindrical Lock Controller</td>
<td>$</td>
</tr>
<tr>
<td>LC-H2-10G271-24V-LL-26D</td>
<td>Assa Abloy Cylindrical Lock; Harmony Integrated Wiegand</td>
<td>$</td>
</tr>
<tr>
<td>LC-H2-56880-24V-ETL-32D</td>
<td>Assa Abloy Exit Device Lock; Harmony Integrated Wiegand</td>
<td>$</td>
</tr>
<tr>
<td>LC-H2-82271-24V-LNA-26D</td>
<td>Assa Abloy Mortise Lock; Harmony Integrated Wiegand</td>
<td>$</td>
</tr>
<tr>
<td>BC-BSH</td>
<td>BioStation 2 Fingerprint Biometric Reader, RFID (125kHz HID Prox), Optical Sensor (OP5), PoE, WiFi, IP65 rated, BASIC OnGuard OSDP Biometric support (Card+PIN only - No pinpad, led, or LCD emulation)</td>
<td>$</td>
</tr>
<tr>
<td>BC-BSI</td>
<td>BioStation 2 Fingerprint Biometric Reader, RFID (13.56MHz MIFARE, DESFire EV1, Felicity, CLASS SE/SE, NFC, ISO14443A/B, ISO15693), Optical Sensor (OP5), PoE, WiFi, IP65 rated, BASIC OnGuard OSDP Biometric support (Card+PIN only - No pinpad, led, or LCD emulation)</td>
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<tr>
<td>Code</td>
<td>Description</td>
<td>Price</td>
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<tr>
<td>BC-BSM</td>
<td>BioStation 2 Fingerprint Biometric Reader, RFID (13.56Mhz MIFARE, DESFire/1E1), FeliCa, NFC, ISO14443A/B, ISO15693, Optical Sensor (OP5), PoE, WiFi, IP65 rated, BASIC OnGuard OSDP Biometric support (Card+PIN only - No pinpad, led, or LCD emulation)</td>
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<tr>
<td>BC-BWA</td>
<td>BioEntry W2 Fingerprint Biometric Reader, MultiCLASS SE and Dual RFID (125kHz EM, HID Prox &amp; 13.56Mhz MIFARE, DESFire/EV1, FeliCa, NFC, ISO14443A/B, ISO15693), Optical Sensor (OP5), PoE, Live Finger Detection, IP67, IK08, BASIC OnGuard OSDP Biometric support (Card+PIN only - No pinpad, led, or LCD emulation)</td>
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<tr>
<td>BC-BWD</td>
<td>BioEntry W2 Fingerprint Biometric Reader, Dual RFID (13.56Mhz MIFARE, DESFire/EV1, FeliCa, NFC, ISO14443A/B, ISO15693, Also supports &quot;EM&quot; Prox, NO HD PROX!), Optical Sensor (OP5), PoE, Live Finger Detection, IP67, IK08, BASIC OnGuard OSDP Biometric support (Card+PIN only - No pinpad, led, or LCD emulation)</td>
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</tr>
<tr>
<td>BC-BWH</td>
<td>BioEntry W2 Fingerprint Biometric Reader, RFID (125kHz HID Prox), Optical Sensor (OP5), PoE, Live Finger Detection, IP67, IK08, BASIC OnGuard OSDP Biometric support (Card+PIN only - No pinpad, led, or LCD emulation)</td>
<td></td>
</tr>
<tr>
<td>BC-BNA</td>
<td>BioLite N2 Biometric Fingerprint reader/controller, Dual RFID (13.56Mhz MIFARE, DESFire/EV1, FeliCa, NFC, ISO14443A/B, ISO15693, Also supports &quot;EM&quot; Prox, NO HD PROX!), 2.4GHz BLE, Optical Sensor (OP6), IP67, PIN pad / 3factor</td>
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</tr>
<tr>
<td>BC-BPA</td>
<td>BioEntry P2 Biometric Finger Print Reader, MultiCLASS SE and Dual RFID (125kHz EM, HID Prox &amp; 13.56Mhz MIFARE, DESFire/EV1, FeliCa, CLASS SE/SE, NFC, ISO14443A/B, ISO15693), Optical Sensor (OP6)</td>
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<tr>
<td>BC-BPD</td>
<td>BioEntry P2 Biometric Finger Print Reader, Dual RFID (13.56Mhz MIFARE, DESFire/EV1, FeliCa, NFC, ISO14443A/B, ISO15693, Also supports &quot;EM&quot; Prox, NO HD PROX!), Optical Sensor (OP6)</td>
<td></td>
</tr>
<tr>
<td>BC-FSA</td>
<td>FaceStation 2: Facial Recognition Touchless Biometric Reader, MultiCLASS SE and Dual RFID (125kHz EM, HID Prox &amp; 13.56Mhz MIFARE, DESFire/EV1, FeliCa, CLASS SE/SE, NFC, ISO14443A/B, ISO15693, WiFi, BLE (Bluetooth Low Energy)</td>
<td></td>
</tr>
<tr>
<td>BC-FSD</td>
<td>FaceStation 2: Facial Recognition Touchless Biometric Reader. Dual RFID (13.56Mhz MIFARE, DESFire/EV1, FeliCa, NFC, ISO14443A/B, ISO15693, Also supports &quot;EM&quot; Prox, NO HD PROX)</td>
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<tr>
<td>BC-BIOMINI2</td>
<td>Second Generation Fingerprint Biometric USB enrollment scanner. Compatible with BioConnect 4.7 or above.</td>
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</tr>
<tr>
<td>BC-DOORLINK</td>
<td>BioConnect BLink module for doors- Retrofit two-factor authentication solution for Wiegand based readers (supported authenticators include: bioConnect mobile, duo, pingid, okta) includes 1 - 4-door controller. WiFi / ip enabled. Required annual subscription service sold separately: bc-blink-d1.</td>
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</tr>
<tr>
<td>BC-BLINK-D1</td>
<td>BioConnect BLink Service for doors - 1 year subscription (1 door)- 1 year subscription service for one door. (available authenticators include: bioConnect mobile, duo, pingid, okta). 1 required per door.</td>
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<tr>
<td>IPC-094-BIOT-B</td>
<td>BioConnect Enterprise - Must be ordered for the first 10 BioConnect readers.</td>
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<tr>
<td>LGE-CORE</td>
<td>OnGuard Hardware &amp; Software Fundamentals</td>
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<tr>
<td>LGE-CORE-VIRTUAL</td>
<td>OnGuard Hardware &amp; Software Fundamentals Course - Virtual - Follow Me version</td>
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<tr>
<td>LGE-ACCESS</td>
<td>Advanced Access Control</td>
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<tr>
<td>LGE-BIOMETRICS</td>
<td>Credentialing Technology &amp; Biometrics</td>
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<td>LGE-ENTERPRISE</td>
<td>Enterprise Overview</td>
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<td>LGE-WIRELESSLOCKS</td>
<td>Wireless Lock Technology</td>
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<td>LGE-VIDEO</td>
<td>Digital Video</td>
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<td>LGE-INTRUSION</td>
<td>Intrusion</td>
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<tr>
<td>LGE-NGP</td>
<td>Next Generation Panel</td>
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<tr>
<td>LGE-DATABASE</td>
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<td>LGE-DATAEXCHANGE</td>
<td>DataExchange</td>
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<tr>
<td>LGE-CUSTOMREPORTS</td>
<td>Custom Reports</td>
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<tr>
<td>LGE-DESIGNARCHITECT</td>
<td>Design Architect</td>
<td></td>
</tr>
<tr>
<td>LGE-SPECIALIST</td>
<td>System Administrator Specialist</td>
<td></td>
</tr>
<tr>
<td>LGE-SPEC-NO-VID</td>
<td>System Administrator Specialist without OnGuard Digital Video</td>
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<td>Description</td>
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<tr>
<td>STENTO-14900010</td>
<td>ITSV-1 Desktop IP Touch Station with Video</td>
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<tr>
<td>STENTO-14900030</td>
<td>ITSV-3+ Touch station with Video</td>
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<tr>
<td>STENTO-10083150</td>
<td>TCIV-2+: Video intercom, Stainless steel</td>
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<tr>
<td>STENTO-10083150</td>
<td>TCIV-3+: Video intercom, black with single button</td>
<td></td>
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<tr>
<td>STENTO-10083150</td>
<td>TCIV-5+: Video intercom, black, 2-button w/display</td>
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<tr>
<td>STENTO-10083150</td>
<td>TCIV-6+: Video intercom, black w/scrolling</td>
<td></td>
</tr>
<tr>
<td>STENTO-10081400</td>
<td>TA-5 Turbine Mounting Plate for all TCIS and TCIV stations. Req for 2-gang flush mount.</td>
<td></td>
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<tr>
<td>STENTO-10081400</td>
<td>TA-1 Surface Back Box: On-wall mounting of all Turbine Compact (TCIS and TCIV) Stations</td>
<td></td>
</tr>
<tr>
<td>STENTO-10096600</td>
<td>IC-EDGE IP Station License: Addition of Zenitel IP devices, devices 33-64.</td>
<td></td>
</tr>
<tr>
<td>STENTO-10096600</td>
<td>IC-EDGE SIP-Client Extensions: Connection of 3rd party SIP telephone devices.</td>
<td></td>
</tr>
<tr>
<td>STENTO-10096600</td>
<td>IC-EDGE Telephone Trunk: Connection to IPBX or telephone gateway over IP networks</td>
<td></td>
</tr>
<tr>
<td>STENTO-10096600</td>
<td>IC-Edge Mobile App license: IC-EDGE system to your mobile device. Max: 10 p/system,</td>
<td></td>
</tr>
<tr>
<td>Model/No.</td>
<td>Name</td>
<td>Description (for prices starting on February 16 2021)</td>
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<tr>
<td>12.0H4F-001-IR</td>
<td>12MP H4 Fishy Camera with IR</td>
<td>12.0 MP; Fishy Camera; Day/Night; 1.45mm f/2.2; Integrated IR</td>
</tr>
<tr>
<td>12.0W-H5A-F01</td>
<td>12MP H5A Fishy Indoor Ceiling Camera</td>
<td>12.0 MP; Fishy In-ceiling Camera; Day/Night; WDR; 1.6mm f/2.0; Next-Generation Analytics</td>
</tr>
<tr>
<td>12.0W-H5A-F01</td>
<td>12MP H5A Fishy Dome Camera</td>
<td>12.0 MP; Fishy Dome Camera; Day/Night; WDR; 1.6mm f/2.0; Next-Generation Analytics</td>
</tr>
<tr>
<td>12.0W-H5A-F01-IR</td>
<td>12MP H5A Fishy IR Dome Camera</td>
<td>12.0 MP; Fishy Dome Camera; Day/Night; 1.6mm f/2.0; Next-Generation Analytics; Integrated IR</td>
</tr>
<tr>
<td>12C-H4A-4MH-360</td>
<td>4x 3MP H4 Multisensor Camera Module with 2.8mm Lens</td>
<td>4x 3MP; WDR; LightCatcher; 2.8mm; Camera Only</td>
</tr>
<tr>
<td>12L-H4PR0-B</td>
<td>1.2MP H4 PR0 Box Camera</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; 4.784.6mm f/1.6 Lens; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>15C-H5A-3MH-180</td>
<td>3x 5MP H4 Multisensor Camera Module with 4mm Lens</td>
<td>3x 5MP; WDR; LightCatcher; 4mm; Camera Only</td>
</tr>
<tr>
<td>15C-H5A-3MH-270</td>
<td>3x 5MP H4 Multisensor Camera Module with 2.8mm Lens</td>
<td>3x 5MP; WDR; LightCatcher; 2.8mm; Camera Only</td>
</tr>
<tr>
<td>16C-HS5R0-B</td>
<td>16 MP H5A Pro Box Camera</td>
<td>7.5 (16 MP) HD Pro Camera; Lens and housing not included.</td>
</tr>
<tr>
<td>16L-HS4R0-B</td>
<td>16MP H4 Pro Box Camera</td>
<td>5K (16 MP) F/1.64 HD Pro with LightCatcher Technology</td>
</tr>
<tr>
<td>2.0C-HA25G-B1</td>
<td>2MP HIES Box Camera with 256GB SSD and 4.78.6mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; 4.78.6mm f/1.6 Lens; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>2.0C-HA25G-B01-IR</td>
<td>2MP HIES Bullet Camera with 256GB SSD and 3.9mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; 3.9mm f/1.3 P-iris lens; Integrated IR; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>2.0C-HA25G-B02-IR</td>
<td>2MP HIES Bullet Camera with 256GB SSD and 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; 9.22mm f/1.6 P-iris lens; Integrated IR; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>2.0C-HA25G-D01-IR</td>
<td>2MP HIES Outdoor IR Dome Camera with 256GB SSD and 3.9mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 3.9mm f/1.3 P-iris lens; Integrated IR; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>2.0C-HA25G-D01-IR</td>
<td>2MP HIES Outdoor IR Pendant Dome Camera with 256GB SSD and 3.9mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 3.9mm f/1.3 P-iris lens; Integrated IR; Self-Learning Video Analytics; 256GB Built-in SSD. Must use with a H4A-MT-Wall1 or H4A-MT-NPTA1.</td>
</tr>
<tr>
<td>2.0C-HA25G-D01-R</td>
<td>2MP HIES Outdoor IR Pendant Dome Camera with 256GB SSD and 3.9mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 3.9mm f/1.3 P-iris lens; Integrated IR; Self-Learning Video Analytics; 256GB Built-in SSD. Must use with a H4A-MT-Wall1 or H4A-MT-NPTA1.</td>
</tr>
<tr>
<td>2.0C-HA25G-02-IR</td>
<td>2MP H4A Bullet Camera with 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>2.0C-HA25G-D02-IR</td>
<td>2MP H4A Bullet Camera with 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>2.0C-HA25G-D02-IR</td>
<td>2MP H4A Bullet Camera with 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>2.0C-HA25G-D02-IR</td>
<td>2MP H4A Bullet Camera with 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>2.0C-HA25G-D02-IR</td>
<td>2MP H4A Bullet Camera with 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>2.0C-HA25G-D02-IR</td>
<td>2MP H4A Bullet Camera with 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>2.0C-HA25G-D02-IR</td>
<td>2MP H4A Bullet Camera with 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>2.0C-HA25G-D02-IR</td>
<td>2MP H4A Bullet Camera with 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>2.0C-HA25G-D02-IR</td>
<td>2MP H4A Bullet Camera with 9.22mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>2.0C-HA5A-B1</td>
<td>2MP H5A Box Camera with 4.78.6mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; 4.78.6mm f/1.6 Lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-HA5A-B2</td>
<td>2MP H5A Box Camera with 3.99mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; 3.99mm f/1.3 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-HA5A-B01-IR</td>
<td>2MP H5A Bullet Camera with 3.99mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; 3.99mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-HA5A-B02-IR</td>
<td>2MP H5A Bullet Camera with 3.99mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; 3.99mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-HA5A-D01</td>
<td>2MP H5A Indoor Dome Camera with 3.99mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Indoor Dome; 3.99mm f/1.3 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-HA5A-D01-IR</td>
<td>2MP H5A Indoor IR Dome Camera with 3.99mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Indoor Dome; 3.99mm f/1.3 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-HA5A-D02</td>
<td>2MP H5A Indoor Dome Camera with 3.99mm Lens</td>
<td>2.0 Megapixel (1080p) WDR; LightCatcher; Day/Night; Indoor Dome; 3.99mm f/1.3 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-H5A-D1C1</td>
<td>2MP H5A In-Ceiling Dome Camera with 3.3-9mm Lens</td>
<td>2.0 MP (1080p) WDR; LightCatcher; Day/Night; In-Ceiling Dome; 3.3-9mm f/1.3 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-H5A-D1C1-IR</td>
<td>2MP H5A In-Ceiling IR Dome Camera with 3.3-9mm Lens</td>
<td>2.0 MP (1080p) WDR; LightCatcher; Day/Night; In-Ceiling Dome; 3.3-9mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-H5A-D1C2</td>
<td>2MP H5A In-Ceiling Dome Camera with 9.22mm Lens</td>
<td>2.0 MP (1080p) WDR; LightCatcher; Day/Night; In-Ceiling Dome; 9.22mm f/1.6 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-H5A-D1O1</td>
<td>2MP H5A Outdoor Dome Camera with 3.3-9mm Lens</td>
<td>2.0 MP (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 3.3-9mm f/1.3 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-H5A-D1O1-IR</td>
<td>2MP H5A Outdoor IR Dome Camera with 3.3-9mm Lens</td>
<td>2.0 MP (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 3.3-9mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-H5A-D1O2</td>
<td>2MP H5A Outdoor Dome Camera with 9.22mm Lens</td>
<td>2.0 MP (1080p) WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>2.0C-H5A-DP1</td>
<td>2MP H5A Pendant Dome Camera with 3.3-9mm Lens</td>
<td>2.0 MP (1080p) WDR; LightCatcher; Day/Night; Pendant Dome; 3.3-9mm f/1.3 P-iris lens; Next-Generation Analytics. Must use with a H4A MT Wall1 or H4A MT NPT1A.</td>
</tr>
<tr>
<td>2.0C-H5A-DP1-IR</td>
<td>2MP H5A Pendant IR Dome Camera with 3.3-9mm Lens</td>
<td>2.0 MP (1080p) WDR; LightCatcher; Day/Night; Pendant Dome; 3.3-9mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics. Must use with a H4A MT Wall1 or H4A MT NPT1A.</td>
</tr>
<tr>
<td>2.0C-H5A-DP2</td>
<td>2MP H5A Pendant Dome Camera with 9.22mm Lens</td>
<td>2.0 MP (1080p) WDR; LightCatcher; Day/Night; Pendant Dome; 9.22mm f/1.6 P-iris lens; Next-Generation Analytics. Must use with a H4A MT Wall1 or H4A MT NPT1A.</td>
</tr>
<tr>
<td>2.0C-H5A-PTZ-D1C6</td>
<td>2MP H5A PTZ Dome Camera</td>
<td>2.0MP 36x In-Ceiling PTZ Dome</td>
</tr>
<tr>
<td>2.0C-H5A-PTZ-DP36</td>
<td>2MP H5A PTZ Dome</td>
<td>2MP 36x PTZ Dome</td>
</tr>
<tr>
<td>2.0C-H5M-D01-IR</td>
<td>2MP H5M Dome Camera with 2.8mm Lens</td>
<td>2.0 MP WDR; LightCatcher; Day/Night; Outdoor Dome; 2.8mm f/1.2; IR</td>
</tr>
<tr>
<td>2.0C-H5S-B01-IR</td>
<td>2MP H5S Bullet Camera with 3.18.4mm Lens</td>
<td>2.0 MP; WDR; LightCatcher; Day/Night; Indoor/Outdoor Bullet Camera; 3.1-8.4mm f/1.6; Integrated IR</td>
</tr>
<tr>
<td>2.0C-H5S-D1</td>
<td>2MP H5S Indoor Dome Camera with 3.9mm Lens</td>
<td>2.0 MP; WDR; LightCatcher; Day/Night; Indoor Dome; 3.9mm f/1.4</td>
</tr>
<tr>
<td>2.0C-H5S-D1-IR</td>
<td>2MP H5S Indoor IR Dome Camera with 3.9mm Lens</td>
<td>2.0 MP; WDR; LightCatcher; Day/Night; Indoor Dome; 3.9mm f/1.4; Integrated IR</td>
</tr>
<tr>
<td>2.0C-H5S-D01-IR</td>
<td>2MP H5S Outdoor IR Dome Camera with 3.1-8.4mm Lens</td>
<td>2.0 MP; WDR; LightCatcher; Day/Night; Outdoor Dome; 3.1-8.4mm f/1.6; Integrated IR</td>
</tr>
<tr>
<td>2.0C-H4A-4M1-360</td>
<td>4x 5MP H4 Multisensor Camera Module with 2.8mm Lens</td>
<td>4x5 MP; WDR; LightCatcher; 2.8mm; Camera Only</td>
</tr>
<tr>
<td>24C-H4A-3M1-180</td>
<td>3x 5MP H4 Multisensor Camera Module with 5.2mm Lens</td>
<td>3x8 MP; WDR; LightCatcher; 5.2mm; Camera Only</td>
</tr>
<tr>
<td>24C-H4A-3M1-270</td>
<td>3x 5MP H4 Multisensor Camera Module with 4mm Lens</td>
<td>3x8 MP; WDR; LightCatcher; 4mm; Camera Only</td>
</tr>
<tr>
<td>24L-H4PRO-B</td>
<td>24MP H4 Pro Box Camera</td>
<td>6K (24 MP) H264 HD Pro with LightCatcher Technology</td>
</tr>
<tr>
<td>26C-H5PRO-B</td>
<td>26 MP H5 Pro Box Camera</td>
<td>6.25K (26 MP) H5 Pro Camera; Lens and housing not included.</td>
</tr>
<tr>
<td>3.0C-H4A-25G-B1</td>
<td>3MP H4ES Box Camera with 256GB SSD and 4.7-84.6mm Lens</td>
<td>3.0 Megapixel WDR; LightCatcher; Day/Night; 4.7-84.6mm f/1.6 lens; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>3.0C-H4A-25G-B1-B</td>
<td>3MP H4ES Box Camera with 256GB SSD and 4.7-84.6mm Lens</td>
<td>3.0 Megapixel WDR; LightCatcher; Day/Night; 4.7-84.6mm f/1.6 lens; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>3.0C-H4A-25G-B01-IR-B</td>
<td>3MP H4ES Bullet Camera with 256GB SSD and 3.9mm Lens</td>
<td>3.0 Megapixel WDR; LightCatcher; 3.9mm f/1.3 P-iris lens; Integrated IR; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>3.0C-H4A-25G-B02-IR-B</td>
<td>3MP H4ES Bullet Camera with 256GB SSD and 9.22mm Lens</td>
<td>3.0 Megapixel WDR; LightCatcher; 9-22mm f/1.6 P-iris lens; Integrated IR; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>3.0C-H4A-25G-D01-IR-B</td>
<td>3MP H4ES Outdoor IR Dome Camera with 256GB SSD and 3.9mm Lens</td>
<td>3.0 Megapixel WDR; LightCatcher; Day/Night; Outdoor Dome; 3.9mm f/1.3 P-iris lens; Integrated IR; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>3.0C-H4A-25G-DP1-IR-B</td>
<td>3MP H4ES Outdoor IR Pendant Dome Camera with 256GB SSD and 3.9mm Lens</td>
<td>3.0 Megapixel WDR; LightCatcher; Day/Night; Outdoor Dome; 3.9mm f/1.3 P-iris lens; Integrated IR; Self-Learning Video Analytics; 256GB Built-in SSD</td>
</tr>
<tr>
<td>3.0C-H4A-BZ</td>
<td>3MP H4 Box Camera with 3.9mm Lens</td>
<td>3.0 Megapixel WDR; LightCatcher; Day/Night; 3.9mm f/1.3 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>3.0C-H4B-3</td>
<td>3MP H4 Box Camera with 9.22mm Lens</td>
<td>3.0 Megapixel WDR; LightCatcher; Day/Night; 9-22mm f/1.6 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>3.0C-H4M-D1</td>
<td>3MP H4M Indoor Mini Dome Camera with 2.8mm Lens</td>
<td>3.0 MP; WDR; LightCatcher; Day/Night; Indoor Dome; 2.8mm f/1.2</td>
</tr>
<tr>
<td>3.0C-H4M-D1-IR</td>
<td>3MP H4M Indoor Dome IR Camera with 2.8mm Lens</td>
<td>3.0 MP; WDR; LightCatcher; Day/Night; Indoor Dome; 2.8mm f/1.2; IR</td>
</tr>
<tr>
<td>Model</td>
<td>Description</td>
<td>Specifications</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
<td>---------------</td>
</tr>
<tr>
<td>3.0C-HSV-RD1-IR</td>
<td>3MP HD Video Intercom with IR</td>
<td>3.0 MP; HD Video Intercom; WDR; LightCatcher; Day/Night; 1.83mm f/2.4; Integrated IR; Recessed Mount</td>
</tr>
<tr>
<td>3.0C-HSA-CR1-IR</td>
<td>3.0C-HSA-CR1-IR</td>
<td>HSA Corner; 3.0 MP WDR; 3.9mm/R</td>
</tr>
<tr>
<td>3.0C-HSA-CR1-IR-SS</td>
<td>3.0C-HSA-CR1-IR-SS</td>
<td>HSA Corner; SS; 3.0 MP WDR; 3.9mm; IR</td>
</tr>
<tr>
<td>3.0C-HSSL-BO1-IR</td>
<td>3MP HSSL Bullet Camera with 3.1.8mm Lens</td>
<td>3.0 MP; WDR; LightCatcher; Day/Night; Indoor/Outdoor Bullet Camera; 3.1.8mm f/1.6; Integrated IR</td>
</tr>
<tr>
<td>3.0C-HSSL-BO2-IR</td>
<td>3MP HSSL Bullet Camera with 9.5.31mm Lens</td>
<td>3.0 MP; WDR; LightCatcher; Day/Night; Indoor/Outdoor Bullet Camera; 9.5.31mm f/1.4; Integrated IR</td>
</tr>
<tr>
<td>3.0C-HSSL-DO1-IR</td>
<td>3MP HSSL Indoor Dome Camera with 3.9mm Lens</td>
<td>3.0 MP; WDR; LightCatcher; Day/Night; Indoor Dome; 3.9mm f/1.4</td>
</tr>
<tr>
<td>3.0C-HSSL-DO1-IR</td>
<td>3MP HSSL Indoor Dome Camera with 3.9mm Lens</td>
<td>3.0 MP; WDR; LightCatcher; Day/Night; Indoor Dome; 3.9mm f/1.4; Integrated IR</td>
</tr>
<tr>
<td>3.0C-HSSL-DO1-IR</td>
<td>3MP HSSL Indoor Dome Camera with 3.1.8mm Lens</td>
<td>3.0 MP; WDR; LightCatcher; Day/Night; Outdoor Dome; 3.1.8mm f/1.6; Integrated IR</td>
</tr>
<tr>
<td>3.0C-HD-LP-B1</td>
<td>H4 LCG 3MP Camera with 4.7-84.6mm Lens</td>
<td>H4 LCG Box camera; 3.0 MP; 4.7-84.6mm f/1.6 lens; with visible light blocker. Must be ordered in conjunction with ES-HD-IR-P6 and ES-HD-LP-HS.</td>
</tr>
<tr>
<td>3.0H-HAPRO-B</td>
<td>30MP H4 Pro Box Camera</td>
<td>7K (30 MP) 12MP HD Pro with LightCatcher Technology</td>
</tr>
<tr>
<td>3205-HAA-THC-B012</td>
<td>QVGA H4 Bullet Camera with 18mm Lens</td>
<td>320x256; Thermal Outdoor Bullet; 18mm f/1.0; 9Hz; NETD&lt;60mK; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>3205-HAA-THC-B024</td>
<td>QVGA H4 Bullet Camera with 9.1mm Lens</td>
<td>320x256; Thermal Outdoor Bullet; 9.1mm f/1.0; 9Hz; NETD&lt;60mK; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>3205-HAA-THC-B050</td>
<td>QVGA H4 Bullet Camera with 4.3mm Lens</td>
<td>320x256; Thermal Outdoor Bullet; 4.3mm f/1.0; 9Hz; NETD&lt;60mK; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>3205-HAITHC WARR EXTEND-1YR</td>
<td>H4 QVGA Thermal Camera 1 Year Extended Warranty</td>
<td>Extended Warranty for QVGA H4 Thermal cameras; 1 year extension</td>
</tr>
<tr>
<td>3205-HAITHC WARR EXTEND-2YR</td>
<td>H4 QVGA Thermal Camera 2 Years Extended Warranty</td>
<td>Extended Warranty for QVGA H4 Thermal cameras; 2 years extension</td>
</tr>
<tr>
<td>32C-HAA 4MH-360</td>
<td>4x B8MP H4 Multisensor Camera Module with 4mm Lens</td>
<td>4x8 MP; WDR; LightCatcher; 4mm; Camera Only</td>
</tr>
<tr>
<td>4.0C-HSA-B2</td>
<td>4MP HSA Box Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; 3.3-9mm f/1.3 lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-B3</td>
<td>4MP HSA Box Camera with 9.2mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; 9.2mm f/1.6 lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-B01-IR</td>
<td>4MP HSA Bullet Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; 3.3-9mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-B02-IR</td>
<td>4MP HSA Bullet Camera with 9.2-22mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; 16mm f/1.6 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-D01</td>
<td>4MP HSA Indoor Dome Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; Indoor Dome; 3.3-9mm f/1.3 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-D01-IR</td>
<td>4MP HSA Indoor Dome Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; Indoor Dome; 3.3-9mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-D02</td>
<td>4MP HSA Indoor Dome Camera with 9.2-22mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; Outdoor Dome; 9.2-22mm f/1.6 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-D01-IR</td>
<td>4MP HSA In-Ceiling Dome Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; In-Ceiling Dome; 3.3-9mm f/1.3 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-D01-IR</td>
<td>4MP HSA In-Ceiling IR Dome Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; In-Ceiling Dome; 3.3-9mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-D02</td>
<td>4MP HSA In-Ceiling Dome Camera with 9.2-22mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; In-Ceiling Dome; 9.2-22mm f/1.6 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-D01-IR</td>
<td>4MP HSA Outdoor Dome Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; Outdoor Dome; 3.3-9mm f/1.3 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-D01-IR</td>
<td>4MP HSA Outdoor IR Dome Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; Outdoor Dome; 3.3-9mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-D02</td>
<td>4MP HSA Outdoor Dome Camera with 9.2-22mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; Outdoor Dome; 9.2-22mm f/1.6 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>4.0C-HSA-DP1</td>
<td>4MP HSA Outdoor Pendant Dome Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; Pendant Dome; 3.3-9mm f/1.3 P-iris lens; Next-Generation Analytics; Must use with HAA MT Wall or HAA-MT-NP3AL</td>
</tr>
<tr>
<td>4.0C-HSA-DP1-IR</td>
<td>4MP HSA Outdoor Pendant IR Dome Camera with 3.3-9mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; Pendant Dome; 3.3-9mm f/1.3 P-iris lens; Integrated IR; Next-Generation Analytics; Must use with HAA MT Wall or HAA-MT-NP3AL</td>
</tr>
<tr>
<td>Model</td>
<td>Description</td>
<td>Features</td>
</tr>
<tr>
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<td>-----------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>4.0C-H5A/DP2</td>
<td>4MP H5A Outdoor Pendant Dome Camera with 9.22mm Lens</td>
<td>4.0 MP WDR; LightCatcher; Day/Night; Pendant Dome; 9.22mm f/1.6 P iris lens; Next-Generation Analytics, Must use with a H4A-MT-Wall or H4A-MT-NTPL.</td>
</tr>
<tr>
<td>4.0C-H5A/PTZ-DG36</td>
<td>4.0C-H5A PTZ DG36</td>
<td>HSA: 4MP 3x In-Ceiling PTZ Dome</td>
</tr>
<tr>
<td>4.0C-H5A/PTZ-DP36</td>
<td>4.0C-H5A PTZ DP36</td>
<td>HSA: 4MP Pan Tilt Pan PTZ Dome</td>
</tr>
<tr>
<td>40C-H5PRO-B</td>
<td>40 MP H5 Pro Box Camera</td>
<td>8K (40 MP) 16 Pro Camera. Lens and housing not included.</td>
</tr>
<tr>
<td>5.0C-H5A-BO2-IR</td>
<td>5MP H5A Bullet Camera with 9.22mm Lens</td>
<td>5.0 MP WDR; LightCatcher; 9.22mm f/1.6 P iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>5.0C-H5A-CHR-IR</td>
<td>5.0C-H5A CR1-IR</td>
<td>HSA: Corner; CRS: 5.0 MP WDR; 3.9mm; IR</td>
</tr>
<tr>
<td>5.0C-H5A-CHR-IR-S5</td>
<td>5.0C-H5A CR1-IR S5</td>
<td>HSA: Corner; S5; 5.0 MP WDR; 3.9mm; IR</td>
</tr>
<tr>
<td>5.0C-H5A-D02</td>
<td>5MP H5A Outdoor Dome Camera with 9.22mm Lens</td>
<td>5.0 MP WDR; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>5.0C-H5A-DP2</td>
<td>5MP H5A Outdoor Pendant Dome Camera with 9.22mm Lens</td>
<td>5.0 MP WDR; LightCatcher; Day/Night; Pendant Dome; 9.22mm f/1.6 P iris lens; Next-Generation Analytics, Must use with a H4A-MT-Wall or H4A-MT-NTPL.</td>
</tr>
<tr>
<td>5.0C-H5M-DO1-IR</td>
<td>5MP H5M Dome Camera with 2.8mm lens</td>
<td>5.0 MP WDR; LightCatcher; Day/Night; Outdoor Dome; 2.8mm f/1.2; IR</td>
</tr>
<tr>
<td>5.0C-H5SL-BO1-IR</td>
<td>5MP H5SL Bullet Camera with 3.1.84mm Lens</td>
<td>5.0 MP WDR; LightCatcher; Day/Night; Indoor/Outdoor Bullet Camera; 3.1.84mm f/1.6; Integrated IR</td>
</tr>
<tr>
<td>5.0C-H5SL-BO2-IR</td>
<td>5MP H5SL Bullet Camera with 9.5.31mm Lens</td>
<td>5.0 MP WDR; LightCatcher; Day/Night; Indoor/Outdoor Bullet Camera; 9.5.31mm f/1.4; Integrated IR</td>
</tr>
<tr>
<td>5.0C-H5SL-D1</td>
<td>5MP H5SL Indoor Dome Camera with 3.1.84mm Lens</td>
<td>5.0 MP; WDR; LightCatcher; Day/Night; Indoor Dome; 3.1.84mm f/1.6; Integrated IR</td>
</tr>
<tr>
<td>5.0C-H5SL-D01-IR</td>
<td>5MP H5SL Indoor IR Dome Camera with 3.1.84mm Lens</td>
<td>5.0 MP; WDR; LightCatcher; Day/Night; Indoor Dome; 3.1.84mm f/1.6; Integrated IR</td>
</tr>
<tr>
<td>5.0C-H5SL-DO1-IR</td>
<td>5MP H5SL Outdoor IR Dome Camera with 3.1.84mm Lens</td>
<td>5.0 MP; WDR; LightCatcher; Day/Night; Outdoor Dome; 3.1.84mm f/1.6; Integrated IR</td>
</tr>
<tr>
<td>5.0L-H4A-D02-B</td>
<td>5MP H4A Indoor Dome Camera with 4.3.8mm Lens</td>
<td>5.0 Megapixel; LightCatcher; Day/Night; In-Ceiling Dome; 4.3.8mm f/1.6 P iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>5.0L-H4A-D02-B</td>
<td>5MP H4A Outdoor Dome Camera with 9.22mm Lens</td>
<td>5.0 Megapixel; LightCatcher; Day/Night; Outdoor Dome; 9.22mm f/1.6 P iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>5.0L-H4A-DP2-B</td>
<td>5MP H4A Outdoor Pendant Dome Camera with 9.22mm Lens</td>
<td>5.0 Megapixel; LightCatcher; Day/Night; Pendant Dome; 9.22mm f/1.6 P iris lens; Self-Learning Video Analytics, Must use with a H4A-MT-Wall or H4A-MT-NTPL.</td>
</tr>
<tr>
<td>6.0C-H5A-B2</td>
<td>6MP H5A Box Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; Day/Night; 4.9.8mm f/1.8 lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>6.0C-H5A-BO1-IR</td>
<td>6MP H5A Bullet Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; 4.9.8mm f/1.8 P iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>6.0C-H5A-D1</td>
<td>6MP H5A Indoor Dome Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; Day/Night; Indoor Dome; 4.9.8mm f/1.8 P iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>6.0C-H5A-D01-IR</td>
<td>6MP H5A Indoor IR Dome Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; Day/Night; Indoor Dome; 4.9.8mm f/1.8 P iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>6.0C-H5A-DC1</td>
<td>6MP H5A In-Ceiling Dome Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; Day/Night; In-Ceiling Dome; 4.9.8mm f/1.8 P iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>6.0C-H5A-DC1-IR</td>
<td>6MP H5A In-Ceiling IR Dome Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; Day/Night; In-Ceiling Dome; 4.9.8mm f/1.8 P iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>6.0C-H5A-DO1</td>
<td>6MP H5A Indoor Dome Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; Day/Night; Outdoor Dome; 4.9.8mm f/1.8 P iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>6.0C-H5A-DO1-IR</td>
<td>6MP H5A Outdoor IR Dome Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; Day/Night; Outdoor Dome; 4.9.8mm f/1.8 P iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>6.0C-H5A-DP1</td>
<td>6MP H5A Outdoor Pendant Dome Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; Day/Night; Pendant Dome; 4.9.8mm f/1.8 P iris lens; Next-Generation Analytics, Must use with a H4A-MT-Wall or H4A-MT-NTPL.</td>
</tr>
<tr>
<td>6.0C-H5A-DP1-IR</td>
<td>6MP H5A Outdoor Pendant IR Dome Camera with 4.9.8mm Lens</td>
<td>6.0 MP WDR; LightCatcher; Day/Night; Pendant Dome; 4.9.8mm f/1.8 P iris lens; Next-Generation Analytics, Must use with a H4A-MT-Wall or H4A-MT-NTPL.</td>
</tr>
<tr>
<td>6.0C-H5EX-A0-CD1</td>
<td>6MP Explosion Protected Compact Bullet Camera with 4.9.8mm Lens</td>
<td>Explosion protected compact bullet camera; 6.0MP; 4.9.8mm f/1.8 P iris lens; WDR; Next Generation Analytics; LightCatcher; AISI 316L stainless steel; bracket included; no cable. Built to order; orders are non-cancellable and non-returnable.</td>
</tr>
<tr>
<td>Model</td>
<td>Description</td>
<td>Features</td>
</tr>
<tr>
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</tr>
<tr>
<td>6.0C-H5EX-80-D01</td>
<td>6MP Explosion Protected Compact Bullet Camera with 4.9-8mm lens &amp; 4m Arm Cable</td>
<td>Explosion protected compact bullet camera; 6.0MP; 4.9-8mm f/1.8 P-iris lens; WDR; Next Generation Analytics; LightCatcher; AISI 316L stainless steel; bracket included; 4m armored cable. Built to order; orders are non-cancellable and non-returnable.</td>
</tr>
<tr>
<td>6.0C-H5EX-C0-D01</td>
<td>6MP Explosion Protected Compact Bullet Camera with 4.9-8mm lens &amp; 10m Arm Cable</td>
<td>Explosion protected compact bullet camera; 6.0MP; 4.9-8mm f/1.8 P-iris lens; WDR; Next Generation Analytics; LightCatcher; AISI 316L stainless steel; bracket included; 10m armored cable. Built to order; orders are non-cancellable and non-returnable.</td>
</tr>
<tr>
<td>6.0L-HF-DI-S1-R0</td>
<td>6MP H4 FishEye Camera with IR</td>
<td>6.0MP FishEye Camera; LightCatcher; Day/Night; 1.45mm f/2.2; Integrated IR</td>
</tr>
<tr>
<td>61C-H5PRQ-B0</td>
<td>S1 MP H5 Pro Box Camera</td>
<td>10X; 6.61 MP H5 Pro Camera. Lens and housing not included.</td>
</tr>
<tr>
<td>640S-HA-HC-BO12</td>
<td>VGA H4 Bullet Camera with 36mm Lens</td>
<td>640x512; Thermal Outdoor Bullet; 36.0mm f/1.0; 9Hz; NETD&lt;60mK; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>640S-HA-HC-BO24</td>
<td>VGA H4 Bullet Camera with 18mm Lens</td>
<td>640x512; Thermal Outdoor Bullet; 18.0mm f/1.0; 9Hz; NETD&lt;60mK; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>640S-HA-HC-BO50</td>
<td>VGA H4 Bullet Camera with 8.7mm Lens</td>
<td>640x512; Thermal Outdoor Bullet; 8.7mm f/1.0; 9Hz; NETD&lt;60mK; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>640S-HA-HC-WD-1YR</td>
<td>H4 VGA Thermal Camera 1 Year Extended Warranty</td>
<td>Extended Warranty for VGA H4 Thermal cameras; 1 year extension</td>
</tr>
<tr>
<td>640S-HA-HC-WD-2YR</td>
<td>H4 VGA Thermal Camera 2 Years Extended Warranty</td>
<td>Extended Warranty for VGA H4 Thermal cameras; 2 years extension</td>
</tr>
<tr>
<td>640S-HA-HC-WD-3YR</td>
<td>H4 VGA Thermal Camera 3 Years Extended Warranty</td>
<td>Extended Warranty for VGA H4 Thermal cameras; 3 years extension</td>
</tr>
<tr>
<td>640S-HA-HC-WD-4YR</td>
<td>H4 VGA Thermal Camera 4 Years Extended Warranty</td>
<td>Extended Warranty for VGA H4 Thermal cameras; 4 years extension</td>
</tr>
<tr>
<td>640S-HA-HC-WD-5YR</td>
<td>H4 VGA Thermal Camera 5 Years Extended Warranty</td>
<td>Extended Warranty for VGA H4 Thermal cameras; 5 years extension</td>
</tr>
<tr>
<td>60C-H5A-B2</td>
<td>8MP H5A Box Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; Day/Night; 4.9-8mm f/1.8 lens; Next Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-BO1-R0</td>
<td>8MP H5A Bullet Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; Day/Night; 4.9-8mm f/1.8 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-D01</td>
<td>8MP H5A Indoor Dome Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; Indoor Dome; 4.9-8mm f/1.8 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-DI-R0</td>
<td>8MP H5A Indoor IR Dome Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; Indoor Dome; 4.9-8mm f/1.8 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-DI1</td>
<td>8MP H5A In-Ceiling Dome Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; In-Ceiling Dome; 4.9-8mm f/1.8 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-DI1-R0</td>
<td>8MP H5A In-Ceiling IR Dome Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; In-Ceiling Dome; 4.9-8mm f/1.8 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-D01</td>
<td>8MP H5A Outdoor Dome Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; Outdoor Dome; 4.9-8mm f/1.8 P-iris lens; Next-Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-D01-R0</td>
<td>8MP H5A Outdoor IR Dome Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; Outdoor Dome; 4.9-8mm f/1.8 P-iris lens; Integrated IR; Next-Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-DP1</td>
<td>8MP H5A Outdoor Pendant Dome Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; Pendant Dome; 4.9-8mm f/1.8 P-iris lens; Next-Generation Analytics. Must use with a HAA-MT-Wall3 or HAA-MT-NPTA1.</td>
</tr>
<tr>
<td>60C-H5A-DP1-R0</td>
<td>8MP H5A Outdoor Pendant IR Dome Camera with 4.9-8mm Lens</td>
<td>8.0 MP (4K) WDR; LightCatcher; Pendant Dome; 4.9-8mm f/1.8 P-iris lens; Integrated IR; Next-Generation Analytics. Must use with a HAA-MT-Wall3 or HAA-MT-NPTA1.</td>
</tr>
<tr>
<td>60C-H5A-DC01</td>
<td>8MP H5A FishEye Indoor In-Ceiling Camera</td>
<td>8.0MP; H5A FishEye In- Ceiling Camera; LightCatcher; Day/Night; WDR; 1.4nm f/2.0; Next Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-DO01</td>
<td>8MP H5A FishEye Dome Camera</td>
<td>8.0MP; H5A FishEye Dome Camera; LightCatcher; Day/Night; WDR; 1.41mm f/2.0; Next-Generation Analytics</td>
</tr>
<tr>
<td>60C-H5A-DO01-R0</td>
<td>8MP H5A FishEye IR Dome Camera</td>
<td>8.0MP; H5A FishEye Dome Camera; LightCatcher; Day/Night; WDR; 1.41mm f/2.0; Next-Generation Analytics; Integrated IR</td>
</tr>
<tr>
<td>60C-H5A-PO36</td>
<td>8MP H5A PTZ-DP36</td>
<td>H5A; BMP 36x Pendant PTZ Dome</td>
</tr>
<tr>
<td>60C-H5A-PO36</td>
<td>8MP H5A PTZ-DO36</td>
<td>H5A; BMP 36x Pendant PTZ Dome</td>
</tr>
<tr>
<td>6.0H-AO1</td>
<td>8MP H4A Indoor Dome Camera with 4.3-8mm Lens</td>
<td>4K UHD (8.0 Megapixel); Day/Night; Indoor Dome; 4.3-8mm f/1.8 P-iris lens; Self-Learning Video Analytics</td>
</tr>
<tr>
<td>6.0H-AO1-R0</td>
<td>8MP H4A Indoor Dome Camera with 4.3-8mm Lens</td>
<td>4K UHD (8.0 Megapixel); Indoor Dome; 4.3-8mm f/1.8 P-iris lens; Integrated IR Self-Learning Video Analytics</td>
</tr>
<tr>
<td>Part Number</td>
<td>Description</td>
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<tr>
<td>8.0-H4A-DGO-1-B</td>
<td>BMP H4A In-Ceiling Dome Camera with 4.3-8mm Lens</td>
<td></td>
</tr>
<tr>
<td>8.0-H4A-DG1</td>
<td>BMP H4A Outdoor Dome Camera with 4.3-8mm Lens</td>
<td></td>
</tr>
<tr>
<td>8.0-H4A-DG1-B</td>
<td>BMP H4A Outdoor Dome Camera with 4.3-8mm Lens</td>
<td></td>
</tr>
<tr>
<td>8.0-H4A-DG1-IR-B</td>
<td>BMP H4A Outdoor IR Dome Camera with 4.3-8mm Lens</td>
<td></td>
</tr>
<tr>
<td>8.0-H4A-DP1-1-B</td>
<td>BMP H4A Outdoor Pendant IR Dome Camera with 4.3-8mm Lens</td>
<td></td>
</tr>
<tr>
<td>8C-H5PRO-B</td>
<td>8 MP H5 Pro Box Camera</td>
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<tr>
<td>8L-H4PRO-B</td>
<td>BMP H4 Pro Box Camera</td>
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<tr>
<td>9C-H4A-3MH1-B</td>
<td>3x MP 1.6 MultiSensor Camera Module with 4mm Lens</td>
<td></td>
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<tr>
<td>9C-H4A-3MH2-70</td>
<td>3x MP 1.6 MultiSensor Camera Module with 2.8mm Lens</td>
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<tr>
<td>ACC7-ENT</td>
<td>ACC 7 Enterprise camera channel</td>
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<td>ACC7-ENT-FO</td>
<td>ACC 7 Enterprise fallover channel</td>
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<td>ACC7-ENT-VER UPG</td>
<td>ACC 5 or 6 to ACC 7 ENTER UPG</td>
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<td>ACC7 Face channel</td>
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<td>ACC7-FACE-10</td>
<td>ACC7 Face channel 10 pack</td>
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<tr>
<td>ACC7-FACE-10-P</td>
<td>ACC7 Face channel 10 pack; printed</td>
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<tr>
<td>ACC7-LPR</td>
<td>ACC 7 LPR lane</td>
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<tr>
<td>AC-LSP-160M-1-16K</td>
<td>Life Safety Power Sixteen Door Mercury Dual Voltage Integrated Power System</td>
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<tr>
<td>AC-LSP-200M-1-16K</td>
<td>Life Safety Power Two Door Mercury Dual Voltage Integrated Power System</td>
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<tr>
<td>AC-LSP-400M-1-16K</td>
<td>Life Safety Power Four Door HD Dual Voltage Integrated Power System</td>
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<td>AC-LSP-800M-1-16K</td>
<td>Life Safety Power Eight Door Mercury Dual Voltage Integrated Power System</td>
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<tr>
<td>APD-MT-WALL1</td>
<td>APD Wall Mount</td>
<td></td>
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<tr>
<td>APD-500</td>
<td>Avigilon Presence Detector</td>
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</tr>
<tr>
<td>CM-MT-WALL1</td>
<td>Pendant Wall Arm</td>
<td></td>
</tr>
<tr>
<td>ES-HD-CWS</td>
<td>Medium Camera Enclosure for Box Style Cameras with Cooler</td>
<td></td>
</tr>
<tr>
<td>ES-HD-CWS-LG</td>
<td>Large Camera Enclosure for Box Style Cameras with Cooler</td>
<td></td>
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<tr>
<td>ES-HD-H5S-XL</td>
<td>Extra Large Camera Enclosure for Pro Cameras</td>
<td></td>
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<tr>
<td>ES-HD-HWS</td>
<td>Medium Camera Enclosure for Box Style Cameras with Heater</td>
<td></td>
</tr>
<tr>
<td>ES-HD-HWS-LG</td>
<td>Large Camera Enclosure for Box Style Cameras with Heater</td>
<td></td>
</tr>
</tbody>
</table>

The Avigilon Presence Detector (APD) sensor is a smart video form factor impulse radar device with self-learning radar analytics that accurately detects the presence of a person even if they have stopped moving or are hidden. It has the ability to detect presence through blankets, cardboard, wood and drywall. This sensor is designed for indoor locations such as ATMs, restrooms, and other closed indoor vestibules within banks; pharmacies; retail stores; prisons; health care facilities; and other environments that have privacy and highly accurate detection. APD combined with Avigilon Control Center's video management software provides an easy-to-deploy discrete surveillance solution to address specific deployment scenarios. Comes with ceiling mount.

The 4K UHD (8.0 Megapixel); Day/Night; In-Ceiling Dome; 4.3-8mm f/1.8 P-iris lens; Self-Learning Video Analytics.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES-HD-HWS-SM</td>
<td>SmVideo Camera Enclosure for Box Style Cameras with Heater</td>
<td>Standard Format Enclosure for Avigilon HD H264 IP Cameras with 12VDC/24VAC Heater; Wall</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bracket and Sunshield. Maximum combined camera and lens this at 98&quot; (25 cm).</td>
</tr>
<tr>
<td>ES-HD-IPM</td>
<td>PoE+ Module for Camera Enclosures</td>
<td>Optional PoE+ power module. Powers full camera enclosure features &amp; camera with a single</td>
</tr>
<tr>
<td>ES-HD-IR-IP6</td>
<td>H4 LPC IR Illuminator</td>
<td>IR Illuminator; PoE+; Outdoor; included lens option for 60°; 35°; or 10° horizontal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>coverage. Included mounting adapter to ES-HD-LP-HB.</td>
</tr>
<tr>
<td>ES-HD-LP-HS</td>
<td>H4 LPC Enclosure</td>
<td>Standard format enclosure with heater; sunshield and PoE pass-through for a camera. PoE+</td>
</tr>
<tr>
<td></td>
<td></td>
<td>powers the camera enclosure and camera using one Ethernet connection.</td>
</tr>
<tr>
<td>ES-HD-MNT-CORNER</td>
<td>Corner Mount Adapter for Camera Enclosures</td>
<td>Corner mount adapter. Compatible with wVideo arm included with for ES-HD-HWS-SM; ES-HD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HWS; ES-HD-CWS; ES-HD-HWS-LG; ES-HD-CWS-LG or ES-HD-LP-HS enclosures.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CWS-LG or ES-HD-LP-HS enclosure.</td>
</tr>
<tr>
<td>ES-HD-MNT-PLATE</td>
<td>Wall Reinfocusing Plate for Camera Enclosures</td>
<td>Wall reinforcing wVideo plate; compatible with wVideo arm included with for ES-HD-HWS-SM,</td>
</tr>
<tr>
<td>ES-HD-MNT-POLE-LG</td>
<td>Large Pole Mount Adapter for Camera Enclosures</td>
<td>Large pole mount for pole diameter 210mm (8.2 in) to 225mm (8.85 in). Compatible with</td>
</tr>
<tr>
<td></td>
<td></td>
<td>wVideo arm included with for ES-HD-HWS-SM; ES-HD-HWS; ES-HD-CWS; ES-HD-HWS-LG; ES-HD-CWS-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LG or ES-HD-LP-HS enclosures when used in conjunction with ES-HD-MNT-PLATE.</td>
</tr>
<tr>
<td>ES-HD-MNT-POLE-MD</td>
<td>Medium Pole Mount Adapter for Camera Enclosure</td>
<td>Medium pole mount for pole diameter 80mm (3 in) to 150mm (5.9 in). Compatible with</td>
</tr>
<tr>
<td></td>
<td></td>
<td>wVideo arm included with for ES-HD-HWS-SM; ES-HD-HWS; ES-HD-CWS; ES-HD-HWS-LG; ES-HD-CWS-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LG or ES-HD-LP-HS enclosures when used in conjunction with ES-HD-MNT-PLATE. Up to</td>
</tr>
<tr>
<td></td>
<td></td>
<td>two mounting positions.</td>
</tr>
<tr>
<td>ES-HD-MNT-POLE-SM</td>
<td>SmVideo Pole Mount Adapter for Camera Enclosure</td>
<td>SmVideo pole mount for pole diameter 60mm (2.5 in) to 110mm (4.3 in). Compatible with</td>
</tr>
<tr>
<td></td>
<td></td>
<td>wVideo arm included with for ES-HD-HWS-SM; ES-HD-HWS; ES-HD-CWS; ES-HD-HWS-LG; ES-HD-CWS-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LG or ES-HD-LP-HS enclosures Up to two mounting positions.</td>
</tr>
<tr>
<td>H4AMHD-AD-CEIL1</td>
<td>In-Ceiling Adapter for H4 Multisensor</td>
<td>In-ceiling adapter; must order either a H4AMHD-DC-CVR1 or H4AMHD-DC-CVR1 SMOKE.</td>
</tr>
<tr>
<td>H4AMHD-AD-DOME1</td>
<td>Outdoor Surface Mount Adapter for H4 Multisensor</td>
<td>Outdoor surface mount adapter; must order either a H4AMHD-DC-CVR1 or H4AMHD-DC-CVR1 SMOKE.</td>
</tr>
<tr>
<td>H4AMHD-AD-IR1</td>
<td>IR Illuminator Ring for H4 Multisensor</td>
<td>Optional IR illuminator ring; up to 30m (100ft) for use with H4AMHD-DC-CVR1 SMOKE.</td>
</tr>
<tr>
<td>H4AMHD-AD-PEND1</td>
<td>Pendant Mount Adapter for H4 Multisensor</td>
<td>Outdoor pendant mount adapter; must order one of IRPTZ-MNT-Wall1 or IRPTZ-MNT-PTA1 and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>one of H4AMHD-DC-CVR1 or H4AMHD-DC-CVR1 SMOKE.</td>
</tr>
<tr>
<td>H4AMHD-DC-CVR1</td>
<td>In-Ceiling Dome Cover for H4 Multisensor</td>
<td>In-Ceiling Dome Cover for H4 Multisensor.</td>
</tr>
<tr>
<td>H4AMHD-DC-CVR1 SMOKE</td>
<td>In-Ceiling Smoke Dome Cover for H4 Multisensor</td>
<td>In-Ceiling Smoke Dome Cover for H4 Multisensor.</td>
</tr>
<tr>
<td>H4AMHD-DC-CVR1 SMOKE</td>
<td>Drop Ceiling Metal Panel for H4 Multisensor</td>
<td>Drop Ceiling Metal Panel for H4 Multisensor.</td>
</tr>
<tr>
<td>H4AMHD-DC-CVR1 SMOKE</td>
<td>Outdoor Dome Cover for H4 Multisensor</td>
<td>Outdoor Dome Cover for H4 Multisensor.</td>
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<tr>
<td>H4AMHD-DC-CVR1 SMOKE</td>
<td>Outdoor Smoke Dome Cover for H4 Multisensor</td>
<td>Outdoor Smoke Dome Cover for H4 Multisensor.</td>
</tr>
<tr>
<td>H4-AMT-NPTA1</td>
<td>NPT Adapter for HSA/H4A Pendant Dome Cameras</td>
<td>NPT adapter for use with HSA/H4A pendant dome cameras.</td>
</tr>
<tr>
<td>H4-AMT-WALL1</td>
<td>Wall Mount for HSA/H4A Pendant Dome Cameras</td>
<td>Wall mount bracket for use with HSA/H4A pendant dome cameras.</td>
</tr>
<tr>
<td>H4-B0-JBOX1</td>
<td>Bullet Junction Box for HSA / H4A Bullet Cameras</td>
<td>Junction box for the HSA Bullet; H4A HD Bullet; H4SL HD Bullet; or H4 Thermal cameras.</td>
</tr>
<tr>
<td>H4-DC-CNL1</td>
<td>Metal Ceiling Panel for HSA / H4A / H4SL Dome</td>
<td>Metal ceiling panel for use with HSA; H4A or H4SL-MT-DCNL in ceiling dome cameras to</td>
</tr>
<tr>
<td></td>
<td></td>
<td>replace or reinforce the existing ceiling tile in suspended ceiling installations.</td>
</tr>
<tr>
<td>H4F-MT-NPTA1</td>
<td>NPT Adapter for H4 Fisheye Cameras</td>
<td>NPT adapter for H4 Fisheye Cameras.</td>
</tr>
<tr>
<td>H4-MT-CRN1</td>
<td>Avigilon Corner Mount Adapter</td>
<td>Corner mount adapter for use with H4A-MT-Wall1; H4-B0-JBOX1; H4SL; H4F; H4 PTZ; H4 IR</td>
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<tr>
<td></td>
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<td>PTZ and H4 Multisensor cameras.</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Details</td>
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<td>------</td>
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</tr>
<tr>
<td>H4-MT-POLEI</td>
<td>Avigilon Pole Mount Adapter</td>
<td>Pole mount adapter for use with H4A-MT-WALL; H4-80-JBOX1; H4L; H4F; H4 PTZ; H4 IR PTZ and H4 Multisensor cameras.</td>
</tr>
<tr>
<td>H4L-MT-NPTA1</td>
<td>NPT Adapter for H4SL/H4L Dome Cameras</td>
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</tr>
<tr>
<td>HD-NVR3-W10UPG</td>
<td>USB Windows 10 Upgrade for NVR3 SDI; NVR3 VAL; RMWS3; and NVRWS3</td>
<td>Windows 7 to Windows 10 Upgrade for NVR3</td>
</tr>
<tr>
<td>HD-NVR4-EDU-15T7B-NA</td>
<td>NVR4; Education Series 15T7B RAID6; no operating system</td>
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<tr>
<td>HD-NVR4-EDU-15T7B-NA</td>
<td>Upgrade to Next Business Day Support; 5Y; EDU-15T7B only</td>
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<tr>
<td>HD-NVR4-EDU-24T8 NA</td>
<td>NVR4; Education Series 24T8 RAID6; no OS</td>
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<tr>
<td>HD-NVR4-EDU-32T18 NA</td>
<td>NVR4; Education Series 32T18 RAID6; no OS</td>
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<tr>
<td>HD-NVR4-EDU-48T78 NA</td>
<td>NVR4; Education Series 48T78 RAID6; no OS</td>
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<tr>
<td>HD-NVR4-EDU-64T6 NA</td>
<td>NVR4; Education Series 64T6 RAID6; no operating system</td>
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<tr>
<td>HD-NVR4-EDU-96T6 NA</td>
<td>NVR4; Education Series 96T6 RAID6; no operating system</td>
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<tr>
<td>HD-NVR4-PRM-10GBE</td>
<td>Network Card; DP 10G SFP+; NVR4 Premium</td>
<td>Network Card; DP 10G SFP+; NVR4 Premium.</td>
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<tr>
<td>HD-NVR4-PRM-15T7B-NA</td>
<td>NVR4 Premium 15T7B; Windows Server 2016; NA</td>
<td>NVR4 Premium 15T7B; 2U Rack Mount; Windows Server 2016; NA</td>
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<tr>
<td>HD-NVR4-PRM-19T27B-NA</td>
<td>NVR4 Premium 19T27B; Windows Server 2016; NA</td>
<td>NVR4 Premium 19T27B; 2U Rack Mount; Windows Server 2016; NA</td>
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<tr>
<td>HD-NVR4-PRM-2NDGPU</td>
<td>2nd GPU Kit for NVR4 Premium</td>
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<tr>
<td>HD-NVR4-PRM-2NDPS-NA</td>
<td>Power Supply for NVR4 Premium: NA</td>
<td>Power Supply for NVR4 Premium with an North American power cord; 1100W</td>
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<tr>
<td>HD-NVR4-PRM WARR EXTEND-2YR</td>
<td>2YR Warranty Extension; NVR4 Premium</td>
<td>2 Year Warranty Extension for NVR4 Premium</td>
</tr>
<tr>
<td>HD-NVR4-SFPPLUS-SR</td>
<td>SFP+ 10GBASE-SR Optical Transceiver (single)</td>
<td>SFP+ 10GBASE SR Optical Transceiver (single)</td>
</tr>
<tr>
<td>HD-NVR4 STD WARR EXTEND-2YR</td>
<td>2YR Warranty Extension; NVR4 Standard</td>
<td>2 Year Warranty Extension for NVR4 Standard</td>
</tr>
<tr>
<td>DRA39 ENT-UPG</td>
<td>DRA39 Enterprise Upgrade for AI NVR; NVR4X; or AIA</td>
<td>DRA39 Enterprise Upgrade for AI NVR; NVR4X; or AIA</td>
</tr>
<tr>
<td>IRPTZ-MNT-NPTA1</td>
<td>Replacement NPT Pendant Cap for H4 IRPTZ or H4 Multisensor</td>
<td>Pedant NPT adapter, for use with H4 IR PTZ or H4A-MH AD-PEND1 on H4 Multisensor.</td>
</tr>
<tr>
<td>LEF1004000CA2A</td>
<td>Canon 100-400mm f/4.5-5.6 For Video H4 Pro Cameras</td>
<td>Canon 100-400mm f/4.5-5.6 Lens. Compatible with Video H4 Pro Cameras.</td>
</tr>
<tr>
<td>LEF150005TA</td>
<td>Tamron 150-600mm f/5-6.3 VC G2 Lens for Pro Cameras</td>
<td>Tamron 150-600mm f/5-6.3 VC G2 Lens for Pro Camera.</td>
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<tr>
<td>LEF16132CA2A</td>
<td>Canon 16-35mm f/2.8 Lens for Pro Cameras</td>
<td>Canon 16-35mm f/2.8 Lens for Pro Cameras</td>
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<tr>
<td>LEF20028CA</td>
<td>Canon 200mm f/2.8 Lens for H4 Pro Cameras</td>
<td>Canon 200mm f/2.8 Lens. Compatible with Video H4 Pro cameras.</td>
</tr>
<tr>
<td>LEF2414CA</td>
<td>Canon 24mm f/1.4 Lens for H4 Pro Cameras</td>
<td>Canon 24mm f/1.4 Lens. Compatible with Video H4 Pro Cameras.</td>
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<tr>
<td>LEF247028TA2</td>
<td>Tamron 24-70mm f/2.8 VC Lens for Pro Cameras</td>
<td>Tamron 24-70mm f/2.8 VC Lens for Pro Cameras</td>
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<tr>
<td>LEF2814SI</td>
<td>Sigma 28mm f/1.4 Lens for Pro Cameras</td>
<td>Sigma 28mm f/1.4 Lens for Pro Cameras</td>
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<tr>
<td>LEF3514SI</td>
<td>Sigma 35mm f/1.4 Lens for H4 Pro Cameras</td>
<td>Sigma 35mm f/1.4 Lens for H4 Pro Cameras</td>
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<tr>
<td>LEF3514TA</td>
<td>Tamron 35mm f/1.4 Lens for Pro Cameras</td>
<td>Tamron 35mm f/1.4 Lens for Pro Cameras</td>
</tr>
<tr>
<td>LEF4014CA</td>
<td>Canon 40mm f/2.8 Lens for H4 Pro Cameras</td>
<td>Canon 40mm f/2.8 Lens for Pro Cameras</td>
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<tr>
<td>LEF5012CA</td>
<td>Canon 50mm f/1.2 Lens for H4 Pro Cameras</td>
<td>Canon 50mm f/1.2 Lens. Compatible with Video H4 Pro Cameras.</td>
</tr>
<tr>
<td>LEF5014CA</td>
<td>Canon 50mm f/1.4 Lens for H4 Pro Cameras</td>
<td>Canon 50mm f/1.4 Lens. Compatible with Video H4 Pro Cameras.</td>
</tr>
<tr>
<td>LEF5014SI</td>
<td>Sigma 50mm f/1.4 Lens for Pro Cameras</td>
<td>Sigma 50mm f/1.4 Lens for Pro Cameras</td>
</tr>
<tr>
<td>LEF5018CA</td>
<td>Canon 50mm f/1.8 Lens for Pro Cameras</td>
<td>Canon 50mm f/1.8 Lens. Compatible with Video H4 Pro Cameras.</td>
</tr>
<tr>
<td>LEF7020028CA</td>
<td>Canon 70-200mm f/2.8 Lens for Video H4 Pro Cameras</td>
<td>Canon 70-200mm f/2.8 Lens. Compatible with Video H4 Pro Cameras.</td>
</tr>
<tr>
<td>LEF7020028TA</td>
<td>Tamron 70-200mm f/2.8 VC G2 Lens for Pro Cameras</td>
<td>Tamron 70-200mm f/2.8 VC G2 Lens for Pro Cameras</td>
</tr>
<tr>
<td>LEF7030040CA</td>
<td>Canon 70-300mm f/4-5.6 Lens for Video H4 Pro Cameras</td>
<td>Canon 70-300mm f/4-5.6 Lens. Compatible with Video H4 Pro Cameras.</td>
</tr>
<tr>
<td>LEF8512CA</td>
<td>Canon 85mm f/1.2 Lens for H4 Pro Cameras</td>
<td>Canon 85mm f/1.2 Lens. Compatible with Video H4 Pro Cameras.</td>
</tr>
<tr>
<td>LEF8518CA</td>
<td>Canon 85mm f/1.8 Lens for H4 Pro Cameras</td>
<td>Canon 85mm f/1.8 Lens. Compatible with Video H4 Pro Cameras.</td>
</tr>
<tr>
<td>LEF9028TA</td>
<td>Tamron 90mm f/2.8 VC Lens for Pro Cameras</td>
<td>Tamron 90mm f/2.8 VC Lens for Pro Cameras</td>
</tr>
<tr>
<td>LEFS18518SI</td>
<td>Sigma 18-35mm f/1.8 Lens for Pro Cameras</td>
<td>Sigma 18-35mm f/1.8 Lens for Pro Cameras. The lens is only compatible with 8-16MP H4 Pro cameras or 8-26MP H5 Pro cameras.</td>
</tr>
<tr>
<td>LEFS3014SI</td>
<td>Sigma 30mm f/1.4 Lens for Pro Cameras</td>
<td>Sigma 30mm f/1.4 Lens for Pro Cameras. The lens is only compatible with 8-16MP H4 Pro cameras or 8-26MP H5 Pro cameras.</td>
</tr>
<tr>
<td>MNT AD-CORNER</td>
<td>Corner Mount Adapter for MNT-PEND-Wall or H3 Bullet Cameras</td>
<td>Corner mount adapter for use with MNT-PEND-Wall; H3-80-JB or HD Bullet Camera</td>
</tr>
<tr>
<td>MNT-PEND-WALL</td>
<td>Wall Bracket for H3 PTZ or H3 Pendant Dome Cameras</td>
<td>Compact w/ wire bracket for use with H3 PTZ; Dp and H3-DP Pendant Dome Camera</td>
</tr>
<tr>
<td>NVR4X 1100W-2NOPS-NA</td>
<td>PS3; Second H6; 1100W; w/ POWERCORD EU</td>
<td>PS3; Second H6; 1100W; w/ POWERCORD EU</td>
</tr>
<tr>
<td>NVR4X 750W-2NOPS-NA</td>
<td>PS3; Second H6; 750W; w/ POWERCORD NA</td>
<td>PS3; Second H6; 750W; w/ POWERCORD NA</td>
</tr>
<tr>
<td>NVR4X EDU 10GBE</td>
<td>Full Height Network Card; DP 10G SFP+; NVR4X EDU 192/127T</td>
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</tr>
<tr>
<td>Model</td>
<td>Description</td>
<td>Temperature Range of the Power Injector</td>
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<td>-------------------------------------------------------------------------------------------------------</td>
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<tr>
<td>NVR4K-PRE-12TB-NA</td>
<td>NVR4K Premium 12TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<tr>
<td>NVR4K-PRE-15TB-NA</td>
<td>NVR4K Premium 15TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
</tr>
<tr>
<td>NVR4K-PRE-19TB-NA</td>
<td>NVR4K Premium 19TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<tr>
<td>NVR4K-PRE-21TB-NA</td>
<td>NVR4K Premium 21TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<tr>
<td>NVR4K-PRE-64TB-NA</td>
<td>NVR4K Premium 64TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<tr>
<td>NVR4K-PRE-96TB-NA</td>
<td>NVR4K Premium 96TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<tr>
<td>NVR4K-STD-16TB-NA</td>
<td>NVR4K Standard 16TB 2U Rack Mnt; Windows 10; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<td>NVR4K-STD-16TB-S6-NA</td>
<td>NVR4K Standard 16TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<tr>
<td>NVR4K-STD-24TB-S6-NA</td>
<td>NVR4K Standard 24TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<tr>
<td>NVR4K-STD-24TB-T6-NA</td>
<td>NVR4K Standard 24TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
</tr>
<tr>
<td>NVR4K-STD-32TB-NA</td>
<td>NVR4K Standard 32TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<tr>
<td>NVR4K-STD-32TB-S6-NA</td>
<td>NVR4K Standard 32TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<tr>
<td>NVR4K-STD-48TB-NA</td>
<td>NVR4K Standard 48TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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<td>NVR4K-STD-48TB-S6-NA</td>
<td>NVR4K Standard 48TB 2U Rack Mnt; Windows Server 2016; NA</td>
<td>10°C to +45°C (14°F to 113°F)</td>
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</tbody>
</table>

POE-INJ2-60W-NA: POE++ Injector; 60W; NA

POE-INJ2-95W-NA: 95W PoE Injector

POE-INJ2-PLUS-NA: POE+ Injector; NA

VMA AAI-1-C1-NA: AI Appliance; A10 Model; NA

VMA AAI-1-C2-NA: AI Appliance; A20 Model; NA

VMA AAS 3-16P06-NA: HD Video Appliance; 16 Port; 6TB; NA

VMA AAS 3-16P06-NA: HD Video Appliance; 16 Port; 6TB; NA

VMA AAS 3-16P09-NA: HD Video Appliance; 16 Port; 9TB; NA

VMA AAS 3-16P09-NA: HD Video Appliance; 16 Port; 9TB; NA

VMA AAS 3-16P12-NA: HD Video Appliance; 16 Port; 12TB; NA

VMA AAS 3-16P12-NA: HD Video Appliance; 16 Port; 12TB; NA

VMA AAS 3-24P12-NA: HD Video Appliance; 24 Port; 12TB; NA

VMA AAS 3-24P18-NA: HD Video Appliance; 24 Port; 18TB; NA

VMA AAS 3-24P24-NA: HD Video Appliance; 24 Port; 24TB; NA

VMA AAS 3-3P2-NA: HD Video Appliance; 8 Port; 2TB; NA

VMA AAS 3-3P4-NA: HD Video Appliance; 8 Port; 4TB; NA

VMA ENV1-R8P8A-NA: ES 8-Port Appliance; 8TB; NA

VMA ENV1-R8P8B-NA: ES 8-Port Appliance; 8TB; NA (Bundle)
Wiring/Box

All wiring shall be plenum rated wiring and installed in conduit within the walls or ceiling. In situations where installation within ceiling or walls is not possible wiring shall be installed in surface mount raceways that match existing paint schemes.

Plenum Rated Wiring $______________/per foot
Conduit $______________/per foot
Surface Mount Raceway $______________/per foot
Junction Box $______________/each

Unanticipated Items

Unanticipated items not listed on the enclosed quotation sheets may be purchased on a cost plus percentage mark-up basis. Please quote a percentage mark-up above your cost that the University will be expected to pay for these unanticipated items if the need arises. The successful vendor will be required to supply invoices from their supplier documenting their cost for the products. The successful vendor will be required to provide a written quote listing the items to be purchased, their cost for the product, and the cost of the product to the University.

Cost Plus ____________% Mark-up

Labor Rates

Installation rate $______________/per hour
Repair / service rate $______________/per hour

WARRANTY INFORMATION

1. Kallatel Three (3) years
2. Casi-Rusco Two (2) years
3. Dortronics Ten (10) years limited
4. Securitron Lifetime
5. Ultra-Tech 1 year
6. Sellertrol Lifetime
7. Lenel
8. Avigilon
The following quote sheets are provided for the purpose of obtaining a firm fixed price for a project listed below. Vendors must complete the quote sheet for each: listing all items, labor and training (if applicable) required to provide a complete, fully functional, integrated security management system. The items and unit prices listed on the previous unit pricing pages must be used to complete the quote sheet for each project listed below.

<table>
<thead>
<tr>
<th>Line #</th>
<th>QTY</th>
<th>Manufacturer</th>
<th>Part Number</th>
<th>Description</th>
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<th>Line Total</th>
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<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>Avigilon</td>
<td>24C-ACC6-ENT</td>
<td>ACC 6 Enterprise license for up to 24 camera channels</td>
<td>$</td>
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<td>Avigilon</td>
<td>4C-ACC6-ENT</td>
<td>ACC 6 Enterprise license for up to 4 camera channels</td>
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<td>3</td>
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<td>Avigilon</td>
<td>1C-ACC6-ENT</td>
<td>ACC 6 Enterprise license for up to 1 camera channels</td>
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<td>4</td>
<td>26</td>
<td>Avigilon</td>
<td>2.0C-H5A-DC1-IR</td>
<td>2.0 MP (1080p) WDR, LightCatcher, Day/Night, In-Ceiling Dome, 3.3-9mm f/1.3 P-iris lens, Integrated IR, Next-Generation Analytics</td>
<td>$</td>
<td>$</td>
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<tr>
<td>5</td>
<td>1</td>
<td>Avigilon</td>
<td>2.0C-H5A-DP1-IR</td>
<td>2.0 MP (1080p) WDR, LightCatcher, Day/Night, Pendant Dome, 3.3-9mm f/1.3 P-iris lens, Integrated IR, Next-Generation Analytics. Must use with a H</td>
<td>$</td>
<td>$</td>
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<tr>
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<td>Avigilon</td>
<td>4.0C-H5A-DP1-IR</td>
<td>4.0 MP WDR, LightCatcher, Day/Night, Pendant Dome, 3.3-9mm f/1.3 P-iris lens, Integrated IR, Next-Generation Analytics. Must use with a H</td>
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<tr>
<td>7</td>
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<td>Avigilon</td>
<td>6.0C-H5A-DP1-IR</td>
<td>6.0 MP WDR, LightCatcher, Day/Night, Pendant Dome, 4.9-8mm f/1.8 P-iris lens, Integrated IR, Next-Generation Analytics. Must use with a H</td>
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<td>5</td>
<td>Avigilon</td>
<td>12C-H4A-4MH-360</td>
<td>4x 3 MP, WDR, LightCatcher, 2.8mm, Camera Only</td>
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<td>9</td>
<td>4</td>
<td>Avigilon</td>
<td>2.0C-H4PTZ-DP30</td>
<td>2.0 Megapixel (1080p) WDR Day/Night, 30x, Pendant Dome, Self-learning analytics</td>
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<tr>
<td>10</td>
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<td>Avigilon</td>
<td>H4A-MT-WALL1</td>
<td>Wall mount bracket for use with H5A/H4A pendant dome cameras</td>
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<td>11</td>
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<td>Avigilon</td>
<td>CM-MT-WALL1</td>
<td>Pendant wall arm for H4 Fisheye (needs H4F-MT-NPTA1), H4SL (needs H4SL-MT-NPTA1), H4 PTZ or H3-xMH-DP-B cameras.</td>
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<td>Avigilon</td>
<td>H4-MT-POLE1</td>
<td>Pole mount adapter for use with H4A-MT-WALL1, H4-BO-JBOX1, H4SL, H4F, H4 PTZ, H4 IR PTZ and H4 Multisensor cameras.</td>
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<td>13</td>
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<td>Avigilon</td>
<td>H4AMH-DC-COV1</td>
<td>Dome bubble and cover, for in-ceiling mount, clear.</td>
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<td>14</td>
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<td>Avigilon</td>
<td>H4AMH-AD-CEIL1</td>
<td>In-ceiling adapter, must order either a H4AMH-DC-COV1 or H4AMH-DC-COV1-SMOKE.</td>
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<td>H4AMH-DC-CPNL1</td>
<td>Drop ceiling metal panel for use with H4A-MH-AD-CEIL1.</td>
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<td>16</td>
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<td>Avigilon</td>
<td>POE-INJ2-PLUS-NA</td>
<td>Indoor single port POE+ injector, for use with H4 PTZ in-ceiling or pendant variants in temperature range of -10°C to +50°C (14°F to 122°F).</td>
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<td>36</td>
<td>Quiktron</td>
<td>576-115-003</td>
<td>VS 3FT YLW SNAGLESS C6 CM Booted Patch Cables</td>
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<td>Quiktron</td>
<td>576-115-010</td>
<td>VS 10FT YLW SNAGLESS C6 CM Booted Patch Cables</td>
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<td>Cisco</td>
<td>SG350X-24P-K9-NA</td>
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<td>Windy City Wire</td>
<td>CAT-6 PL</td>
<td>Plenum Cat 6 CAT6P-YLW</td>
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<td>HD NVR4 STD 32TB 2U Rack Mnt, Windows 10 IoT LTSB</td>
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<td>APC</td>
<td>SMX750</td>
<td>APC Smart UPS 750VA, 600W, /Rack2U Brackets, Tower</td>
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<td>HD-NVR4-STD-WARR-EXT-END-2YR</td>
<td>2 Year Extended Warranty for HD-NVR4-STD</td>
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<td>Dell</td>
<td>Dell 20 inch Monitor</td>
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<td>LNL-X2220</td>
<td>Lenel -Intelligent Dual Reader Controller - 12 VDC</td>
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<td>26</td>
<td>UTC Fire &amp; Security Americas</td>
<td>LNL-1320-S3</td>
<td>Dual Reader Interface Module (Series 3 Supports OS</td>
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<td>GRI</td>
<td>195-12WG</td>
<td>Switch Set, Recessed, 3/4 Dia Mounting, 12 Lead</td>
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<td>20</td>
<td>Sargent</td>
<td>QC-C1500P</td>
<td>Sargent- 15 foot Electrolynx wiring harness</td>
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<td>Life Safety Power</td>
<td>LSP-16DRN-E8M2</td>
<td>LSP-16DR-NET, E8M2 36 X 30 Encl, Fits 8 LNL brds</td>
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<td>30</td>
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<td>Life Safety Power</td>
<td>LSP-8DRN-E6M</td>
<td>LSP-8DR-NET, E6M 30 X 23 Encl, Fits 4 LNL brds</td>
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<td>Duracell</td>
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<td>12V Lead Dura 12-7F</td>
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<td>Shielded, Plenum, 18AWG/6 Yellow 002351-30</td>
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<td>18/4 UN PL</td>
<td>Unshielded, Plenum, 18AWG/4 Yellow 0023830</td>
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<td>22/2 UN PL</td>
<td>Unshielded, Plenum, 22AWG/2 Yellow 0043630</td>
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<td>Unshielded, Plenum, 16AWG/2 Yellow 0013630</td>
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<td>Sargent</td>
<td>LC-56-H2-8804-24V-F-ETL-32D</td>
<td>Assa Abloy Exit Device Lock; Harmony Integrated Wiegand</td>
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<td>Sargent</td>
<td>AA-SAR-IN2200306</td>
<td>ASSA ABLOY Sargent POE Lock</td>
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<td>Sargent</td>
<td>NAC 82271 WTB US26D</td>
<td>Sargent Electric Mortise Lock, NAC 82271 WTB US26D</td>
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<td>Sargent</td>
<td>QC-C300P</td>
<td>Wiring Harness QC-C300P</td>
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<td>Sargent</td>
<td>16 43 55 56 88 10 ETL US32D</td>
<td>Sargent Exit Device 16 43 55 56 88 10 ETL US32D</td>
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<td>41</td>
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<td>McKinney</td>
<td>T4A3386 4.5 X 4.5 QC8</td>
<td>T4A3386 4.5 X 4.5 QC8 Hinge</td>
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<tr>
<td>42</td>
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<td>McKinney</td>
<td>T4A3386 4.5 X 4.5 QC12</td>
<td>T4A3386 4.5 X 4.5 QC12 Hinge</td>
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</tr>
</tbody>
</table>

**GRAND TOTAL:** $
NOTE:

The equipment listed above is provided as a reference for the installation. Verify all quantities and identify any additional items required to provide a complete system. It is the vendor’s responsibility to verify the quantities needed and the University will not incur any additional cost for errors made in this verification.

BID BOND: A Cashier’s check or bid bond payable to The University of Alabama in an amount not less than five (5) percent of the amount of the bid, but in no event more than $10,000, must accompany the bidder’s response. Performance and Payment bonds and evidence of insurance required in the bid documents will also be required prior to the award of a contract.

CONTRACT BONDS:
Performance and Payment bonds will be required on individual projects assigned over the duration of this contract in excess of $50,000 or as requested on projects less than $50,000 as deemed necessary by the University. Performance and Payment bonds will not be required with the bidder’s response since the work to be performed over the duration of this contract is unknown. However, each bidder must submit proof from Surety that they are bondable and the limit to which they may be bonded. The University requires all bidders to quote a multiplier (percent of project cost) that will be used to calculate the cost of the Performance and Payment bonds on projects that require bonds.

Specify all terms and conditions of the warranties associated with your installation workmanship and the equipment being provided.