



# WOLF TRAIL™

## ENGINEERING

NC P-1817 | SC 5872



## GREENVILLE COUNTY SCHOOLS

### Sevier Middle School BUILDING ENVELOPE REPAIRS

### SPECIFICATIONS

**MARCH, 2023**

*Prepared by:*  
**Greenville County Schools**  
*and*  
**Wolf Trail Engineering PLLC**  
**1001 Lancaster Avenue, Monroe, NC 28112**



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## Procurement Department

2 Space Drive • Taylors, SC 29687-6072 • (864) 355-1279 •

## The School District of Greenville County

March 30, 2023

### **Invitation for Bid (IFB)**

Project Reference: Sevier Middle School – Building Envelope Repairs

(IFB) No: 323-20-5-4

Bid Due: May 4, 2023

The School District of Greenville County (SDGC) invites responsible firms to submit a SEALED BID for the following project at Sevier Middle School, located at 1000 Piedmont Park Road, Greenville, SC 29609.

Sevier Middle School is a multi-story, precast-concrete panel building completed in 2005. Currently, the building has deteriorated, exterior sealant joints, at control joints, expansion joints, windows and other adjacent openings. The project will consist of the removal and replacement of deteriorated, exterior sealant joints at control joints, expansion joints, doors, and window frames with new sealant and backer rods as recommended by the manufacturer. Window glass will receive wet seals around perimeter.

The project includes two add alternates; No. 1: Pressure washing all precast concrete panels, brick/block walls and cleaning all exterior windows. No. 2: Applying a waterproofing coating on the exterior exposed concrete panels.

This project is to be completed in accordance with all drawings, terms, conditions, and specifications contained or referenced in this solicitation. The specifications and scope of work were developed and approved by Wolf Trail Engineering and the staff of the District Facilities Department and are included in this solicitation and its referenced documents. For a complete detailed description of the work, project documents should be consulted.

This solicitation does not commit the District to award a contract, to pay any costs incurred in the preparation of the response to this solicitation or to procure any goods or services.

### **Definition of Terms**

The terms, “vendor”, “contractor”, “prime contractor”, “firm”, “offeror”, “proposer”, “responder”, “supplier” or “bidder” may be used interchangeably and refers to the entity offering a proposal. These terms are defined as including a legal business association of one (1) or more persons existing at the time of the bid submission. The terms “solicitation”, “Invitation for Bid”, “Bid”, “IFB”, “Request for Proposal”, “Proposal”, “RFP”, “Quotation”, “Quote” may be used interchangeably and refers to the solicitation. The terms “Agreement”, “Award” and “Contract” means any transaction or contractual arrangement contemplated or created as a result of, arising out of, or relating to the solicitation and subsequent award. The term “Day” or “Days” refers to a calendar day, unless noted otherwise. The terms, “The School District of Greenville County”, “Greenville County Schools”, “Customer”, “Owner”, “District”, “SDGC”, “GCS”, “Board of Trustees” and “Board” may be used interchangeably and refers to the entity issuing the solicitation, receiving and reviewing the bid/proposal and issuing an award. The term “Day” or “Days” refers to calendar days, unless noted otherwise.

### **Solicitation Schedule**

Pre-Bid & Site Visit	April 11, 2023 at 9:00 AM EDT at Sevier Middle Non-Mandatory
Jobsite Visits	By Appointment Only
Inquiry Deadline:	April 20, 2023 at 10:00 A.M. EDT
Bids Due and Public Opening:	May 4, 2023 at 10:00 A.M. EDT

### **Inquiries**

Questions or comments regarding this solicitation document or the process shall be forwarded, **in writing**, to Mr. Jeffrey Knotts, Director of Procurement, and Mrs. Tonya Stroud, Senior Buyer, 2 Space Drive, Taylors, South Carolina 29687. Email addresses are: jknotts@greenville.k12.sc.us and tstroud@greenville.k12.sc.us. Inquiries and comments shall be delivered to the Procurement Department no later than April 20, 2023 **at 10:00 A.M. EDT**. Verbal questions/comments shall not be addressed at any time.

After the Inquiry Deadline, the District will issue an addendum to address any questions or changes. Any addenda will be posted on the Procurement Department website. Questions and comments received after the Inquiry Deadline will not be addressed.

**NOTE:** No other District personnel or representative of the District shall be contacted regarding this solicitation or the evaluation process. Vendors that attempt to contact other District personnel or representatives or obtain information in any way other than the authorized method, which is in writing to the Procurement Officer, shall have that firm's bid rejected. After the Inquiry Deadline, the District will issue an addendum to address any questions or changes. The District will not respond to late inquiries.

### **District Calendar & Information**

Proposers can obtain more information on the District, its calendar and standards by entering the District's website at [www.greenville.k12.sc.us](http://www.greenville.k12.sc.us).

### **Project Documents**

Project Document, Specifications and Drawings for this solicitation can be found on the GCSD Procurement Department website as three (3) separate attachments.

### **Project Schedule**

The contractor will adhere to a strict project schedule, which stipulates work will start no earlier than May 29, 2023, pending an award and issuance of purchase order, and will be completed no later than August 4, 2023 subject to adjustments as provided in the Contract documents. The successful contractor may work evenings and weekends with at least a 24-hour notice and approval from the Facilities Project Manager. After hours work must be coordinated for security guard assistance. Security guard cost will be handled by SDGC.

### **Pre-Bid & Site Visit Non-Mandatory**

The District will conduct a Pre-Bid & Site Visit for this solicitation on April 11, 2023 at 9:00 AM EDT at Sevier Middle School, 1000 Piedmont Park Road, Greenville, SC 29609.

### **Jobsite Visits**

Potential bidders may visit the jobsite only by pre-scheduled appointment. To schedule an appointment, interested firms may contact Ms. Teresa Champion, Manager, School Facilities at 864-355-7779 or by email at [tchampion@greenville.k12.sc.us](mailto:tchampion@greenville.k12.sc.us) **For all jobsite visits, prior appointments are required.**

For security reasons, all prospective bidders shall, immediately upon arrival at a jobsite, report to the site's front office. All visitors to Sevier Middle School shall show both business and government-issued photo identification at the school's front office and wear a site-issued visitor's pass during the site visit. Without proper identification, no potential bidder may visit or inspect this project location. Each visitor shall be escorted on a location tour by either Ms. Teresa Champion, Manager, School Facilities or by another designated District employee.

**Note that a jobsite visit is an opportunity to review actual project conditions: a jobsite visit is *not* an opportunity to make verbal inquiries. Any bidder not adhering to the inquiry guidelines may cause their bid to be deemed nonresponsive.**

Jobsite visits are not mandatory, and are at the discretion of each bidder.

### **Postponements**

A bid opening or a pre-bid conference shall be postponed if the District's Procurement Department is closed for any of the following reasons: 1) Causes beyond the control of the District (e.g., fire, flood, weather conditions, etc.), or 2) Emergency or unanticipated events that interrupt normal District or Procurement operations. The postponed event (opening or conference) shall automatically be rescheduled to the next full and complete District business day after the published date. A District business day does not include a day starting after an announced opening delay or a closure. Vendors should consult the District's INFOLine (864-355-3100) or local media regarding closures.

### **Scope of Work & Program Specifications**

This program is to be completed in accordance with all terms, conditions, and specifications contained or referenced in this solicitation. The Scope of Work / Program Specifications section should be consulted for a complete detailed description of the work / services to be performed or supplies to be provided. Project Specifications / Drawings for this solicitation can be found on the GCSO Procurement Department website as two (2) separate attachments.

The specifications and scope of work were developed and approved by Wolf Trail Engineering and the staff of the District Facilities Department and are included in this solicitation and its referenced documents.

The District cannot guarantee that any particular vendor will be selected or any business conducted as a result of this solicitation. The failure of a specific vendor to receive business, once it has been added to the awarded vendors list, shall not be grounds for contract controversy.

Throughout the duration of this contract, contract specifications, terms and conditions shall not be modified in any manner without the express written permission of a District Procurement Officer.

When applicable, brand name, model names/numbers or equivalency descriptions are intended to be descriptive, not restrictive, and are used to indicate the quality and characteristics of the product(s) along with quantities requested that will be satisfactory and acceptable to the District. Vendors shall include with the bid, supporting product data for the District's use in determining the acceptability of the proposed product(s) or manufacturer(s). When requested, vendors who do not provide adequate supportive product/manufacturer data may be considered non-responsible and will not be considered for an award.

The District reserves the exclusive right to determine if minor deviations from the listed specifications are acceptable to the District. The District retains the exclusive right to determine what constitutes a deviation. The District reserves the exclusive right to determine the relative performance and acceptability of a service and/or product(s) when compared to the solicitation specifications.

### **Alternate Products**

The District has provided a descriptive standard for the products / service required. Requests for approval of alternate equipment, product, material or service shall be submitted to the undersigned Procurement Officer prior to the Inquiry Deadline. Sufficient documentation and proof or apparent equivalency shall be provided to the Procurement Officer in order for the District to make a determination of acceptability. The District is not required to ask for additional technical data; therefore, Vendors submitting such a request are advised to provide full technical information for the District's consideration.

The District reserves the exclusive right to determine the relative quality and acceptability of any proposed equipment, product, material or service when compared to the solicitation specifications. The District reserves the right to determine the acceptability of any proposed alternative service/product not requested in the invitation.

The District is not required to accept any alternate product / service or provide an explanation as to why an alternate product was not accepted. The District reserves the right to determine if minor deviations from the listed specifications are acceptable. The District reserves the exclusive right to determine what constitutes a deviation. A deviation is defined as a change from the stated solicitation requirements that shall have little or no material effect upon the required equipment and/or service.

Vendors shall furnish any other information the Vendor deems important for District review. The District is not required to accept any submitted, non-pertinent documentation. When applicable, the Vendor shall provide other information for any product/service that is bid. Pertinent information shall be provided with the bid so that the District may evaluate the bid properly.

### **Vendor's Proposed Agreement, Contract, Lease and Terms & Conditions**

The School District of Greenville County's Procurement Code and Regulations govern and supersede any and all documents and policies, whether stated or implied. By submitting a solicitation response, the Vendor acknowledges that they have had the opportunity to inquire about the District's Procurement Code, this solicitation and other pertinent policy.

Should the Vendor require the District to sign any contract, any document and/or any agreement, the Vendor shall inquire in writing if the District would consider its proposed contract, document and/or agreement and shall provide such contract, document and/or agreement or other pertinent documents to the District's undersigned Procurement Officer prior to the Inquiry Deadline which is noted in the solicitation. Submittal of any document(s) does not mean acceptance of the document(s) and the information contained therein, by the District or that a Vendor is considered by the District to be responsible, the bid responsive or the services/equipment/materials acceptable.

The District shall not accept any proposed agreement, contract, lease, terms and conditions or any other contractual document which may be included with the bid or submitted separately, that has not been previously submitted prior to the Inquiry Deadline or is referenced to be enforceable in the future. The District shall not

accept any terms and conditions which would be prejudicial to other Vendors and/or would materially change the solicitation. Software licensing agreements are included in this requirement.

The District shall not accept, enter into or sign any proposed agreement(s), document(s), offer(s), contract(s), leases(s) and/or provision(s) that materially conflicts with the District's General Terms and Conditions, the requirements of this solicitation or which are determined not to be in the best interest of the District.

This solicitation and the District's General Terms and Conditions shall govern and take precedence as the contract between the District and the awarded proposer. The terms of the agreement between the District and the successful Vendor shall comply with the requirements contained in this solicitation and the District's General Terms and Conditions which are incorporated herein.

Proposals or bids that include agreements, terms, conditions, contracts and/or contract provisions which conflict with the District's General Terms and Conditions (attached) and/or which were not submitted prior to the Inquiry Deadline and/or were not approved by the District and/or conflict with the requirements of this solicitation, may be rejected by the District as non-responsive. The rights and authority to make such a determination is reserved solely to the Procurement Officers of the District's Procurement Department.

Interested Vendors that submit a bid or proposal that contradicts this solicitation and which is not in compliance with the requirements of this solicitation, including the District's General Terms and Conditions, acknowledge and understand that, by doing so, its proposal may be deemed non-responsive by the District. Potential Vendors that cannot agree to the above conditions should not expect to have a proposal considered for an award.

**Instruction for submittal of Bids Responses**

All bids must be in a sealed envelope and have clearly marked on the envelope:

**Sealed Bid Enclosed**

**Sevier Middle School – Building Envelope Repairs**

**IFB No. 323-20-5-4**

Mail or hand-deliver the bid to:

**The School District of Greenville County**

**2 Space Drive**

**Taylors, South Carolina 29687**

**Attn: Procurement Department**

By submitting a solicitation response, the Vendor acknowledges that it has had the opportunity to inquire about the District's Procurement Code and Regulations, this solicitation and other pertinent District policy. If not submitting a bid, please submit a "NO BID" letter indicating the reason for not doing so.

The submitted sealed bid must be signed by an authorized individual who may bind the Vendor to provide the service(s) and/or product(s) in accordance with the specifications contained in this IFB.

The official time due time for a solicitation response is maintained according to the Time/Date Stamp located in the District's Procurement Department. All solicitation responses shall be received in the District's Procurement Department, 2 Space Drive, Taylors, South Carolina 29687, no later than the time specified in this solicitation. Solicitation responses shall be in the physical possession of a Procurement Department employee prior to the due time or the solicitation response shall be determined to be late once the due time has occurred.

**Faxed or emailed bids shall not be accepted.**

**NOTE:** Vendors who hand deliver the bid are responsible for physically handing the bid to a Procurement Department employee prior to the bid due time/date. Do not hold the bid until the recording meeting begins. Do not deliver the bid to any other location or individual.

**Responses that are in another District location, room, department or other area at the solicitation due time other than the Procurement Department shall not be accepted.** If there is doubt as to the location of the Procurement Department, Vendors may contact the District for directions. The District is not responsible for the Vendor's or its representative's interpretation of any directions provided. The District is not responsible for traffic, parking availability, road closures, delivery services or weather conditions.

Vendors may mail their bid, however the District assumes no responsibility for the delivery of any solicitation, addendum, solicitation response or any other correspondence by the U.S. Postal Service, a delivery service, electronic transmission, facsimile or any other method.

**NOTE: PROPOSALS / BIDS RECEIVED OR DATE STAMPED AFTER THE BID DUE/PUBLIC OPENING TIME SHALL NOT BE ACCEPTED OR CONSIDERED.**

### **Bid Form**

Enclosed is the Bid Form to be used when submitting a bid. Only this Bid Form may be used; no other form is acceptable. Do not change the Bid Form or insert a different unit of measure or unit of pricing. Bidders must complete the Bid Form or insert the letters "N/A" if the bidder chooses not to submit a price. Failure to complete the form may cause the bidder to be determined non-responsive.

The Bid Form must be completely filled out and returned with the bid.

Prices stated on the Bid Form shall remain in effect for a minimum of sixty (**60**) calendar days from the due date. Pricing submitted shall be inclusive of all costs that the bidder expects the District to pay.

The bid price(s) shall include all materials, labor, equipment, tools, and consumables necessary to provide and deliver the product / service.

This is a turnkey project. The bidder's prices shall include all materials, labor equipment, tools, taxes, consumables and other costs required to complete the project.

**NOTE:** Bidders that alter the Bid Form are qualifying the bid response and are subject to disqualification. A cover letter on the bidder's corporate stationery should include any information the bidder determines to be important to the evaluation of the bid.

Attendance at the public recording is not required in order to have a bid evaluated.

### **Vendor's Information**

A cover letter on the Vendor's corporate stationery should include any information the Vendor determines to be important regarding the evaluation of the bid.

After the contract is awarded, no additional costs will be considered. Hidden or undisclosed costs will not be accepted. Prices that are bid shall remain in effect for a minimum of sixty (60) calendar days from the due date.

**Pricing submitted shall be inclusive of all costs that the bidder expects the District to pay.**

**Insurance**

Please include a copy of the bidder’s certificate of liability insurance and Workman’s Compensation *in the sealed bid package* with the bid.

**Liquidated Damages**

Liquated Damages will be charged at one thousand dollars (\$1,000.00) per calendar day.

**Bid Security**

Vendors shall submit a Bid Security in the amount of five percent (5%) of the base bid. The Bid Security must be in the form of a Bid Bond or Cashier’s Check payable to The School District of Greenville County. No personal checks, company checks or cash will be accepted. Bid Security shall be submitted with the bid or the bid may be considered nonresponsive and not subject to an award.

**Performance and Payment Bonds**

If the total amount of the awarded project exceeds fifty thousand dollars (\$50,000.00), prior to work commencing, the successful Prime Contractor shall provide the SDGC Facilities Department Project Manager with **Performance and Labor and Material Payment Bonds**, each in the amount equal to one hundred percent (100%) of the awarded contract cost.

**Subcontracting**

No portion of this contract shall be subleased, assigned, transferred, or conveyed without the expressed prior written approval from a SDGC Procurement Officer. Proposed subcontractors shall be identified in the bid.

**Bid Response Certification**

Interested Vendors are hereby notified that a “Bid Response Certification” statement is included within the solicitation Bid Form and that by signing the certification statement, with no alterations allowed, the Vendor agrees to be bound by the terms and conditions of the solicitation and by the District’s General Terms and Conditions included herein by reference. The Bid Response Certification statement that is included with this solicitation shall be signed and returned with the bid. Should a Vendor decide not to sign the Certification Statement, the reasons for the decision shall be noted on a separate page to be included within the sealed bid package.

An interested Vendor that submits a bid that contradicts this solicitation and which is not in compliance with the requirements of this solicitation, including the District’s General Terms and Conditions, acknowledge and understand that, by doing so, its bid may be deemed nonresponsive by the District.

A Vendor who takes exceptions to any portion of this solicitation may be deemed “non-responsible” and may not be eligible for an award. The rights and authority of such determination are reserved solely by the Procurement Officers of the District’s Procurement Department.

**Certification of Drug-Free Work Place**

Enclosed is the Certification of Drug-Free Work Place to be used when submitting a bid package. Only this form shall be used and it shall be completely filled out and returned within the sealed bid package.

## **Evaluation of Bids**

All bids will be reviewed for the purpose of determining responsiveness. Any bid that does not meet the salient requirements of the IFB will be deemed non-responsive. To determine responsibility, all information provided by the Vendor concerning its availability to perform fully the contract requirements, including the integrity and reliability of the Vendor, will be reviewed. This project is on a critical timeline, and a vendor's ability to provide the product within the specified period of time will be examined and included in the evaluation. The submission of a bid for review does not necessarily qualify the Vendor as being responsible or the bid as being responsive. Failure to provide specific information as requested for use in an evaluation will cause the bid to be disregarded.

The bid responses will be evaluated based on the factors as detailed in this solicitation. The Vendor deemed by the District as responsible and who offers the most advantageous rate may be awarded the contract if all other terms and conditions are acceptable to the District and if in the District's best interest.

Vendors must clearly mark the words "**Confidential**" or "**Protected**" next to each section of the bid that the Vendor considers to be proprietary or may contain confidential information. In no manner or situation will pricing be considered confidential. The District shall have the sole, exclusive right to determine whether such confidential notations are valid and subject to public release.

The District may request written or oral clarifications of any offer received. However, the District may, at its sole discretion, refuse to accept in full or partially, the response or clarification given by any Vendor.

Vendors are cautioned that the evaluators are not required to request a clarification of the bid; therefore, **all offers should be complete and reflect the most favorable terms to the District.** The District reserves the right to reject any and all offers when such rejection is deemed to be in the best interest of the District.

It is understood and agreed that the bid is for the services and products specified or a District-approved equal. The District does not guarantee that the District will require any specified project or item.

The District reserves the right to accept or reject, in part or in entirety, any or all bids or portions of bids submitted by any Vendor and to waive any informalities or technicalities so as to purchase in the best interest of the District. The District reserves the right to interpret the acceptability of the proposed services and supplies when meeting the intent for use as determined by the end user.

The District reserves the right to negotiate with all responsible Vendors and to cancel in part or in entirety, this solicitation if it is in the best interest of the District. This solicitation does not commit the District to negotiate, hold discussions, award a contract, pay any costs incurred in the preparation of the response to this solicitation or to procure any services and/or supplies.

## **Award**

This is a Sealed Bid solicitation. The project will be awarded as **one (1)** total lot to the lowest pricing, responsible bidder whose responsive bid is in the best interest of the District and at the discretion of the District's evaluators. The District may conduct discussions with responsible Vendors that submit bids for the purpose of clarification to assure a full understanding of the requirements of the IFB and the clarification of any bid. Any award shall encompass all of the requirements of the solicitation. This project is scheduled for execution after proper award and issuance of a Purchase Order.

The award statement will be posted in the Procurement Department, 2 Space Drive, Taylors, South Carolina. The award will also be posted on the Procurement Department website. The public may review this statement during regular office hours. Interested parties may call the Procurement Department at (864) 355-1279 to determine if an award has been posted. It is the responsibility of the Bidder to physically confirm such posting.

**IMPORTANT: Student and Staff Safety**

The successful Vendor shall be required to verify that criminal conviction inquiries/checks and pertinent criminal background inquiries/checks have been conducted on all of its employees and the subcontractors who may interact with staff and/or students during the performance of the awarded Scope of Work or who may have a need to enter District property related to the performance of the contract or who may have access to personal student or District personnel information.

All inquiries and background checks must be conducted on a monthly basis or more frequently or as required by the District.

Persons who are identified as a Sex Offender or violator as defined by the South Carolina Code of Laws (Ann. 2006), Article 7, Sections 23-3-400 to 23-3-500 or other statute or any other states' statutes and persons who have been convicted of Violent Crimes as defined by the South Carolina Code of Laws, 1976, Section 16-1-60; are prohibited from entering any of The School District of Greenville County schools at any time, including all District grounds and all District facilities. Persons employed by or under the direction of the Vendor or any subcontractor who are under investigation or have been charged with crimes and/or convicted of crimes against children or crimes of a sexual or violent nature shall not be allowed on District property.

While performing under this solicitation and subsequent award, a firm/individual/supplier who delivers material and/or a service to a District site at the direction of a Vendor and/or a subcontractor shall be considered under the supervision of the Vendor and/or subcontractor and shall be in compliance with this requirement. Contractor's and subcontractor's employees are not to interact with students at any time. Vendor's and subcontractor's employees are not to be in areas where students are present or may be present without prior authorization from the school's principal or designee.

The District may in its sole discretion terminate any existing contract for the failure by the awarded Vendor, its subcontractors or any representative of the Vendor or subcontractor to observe this requirement or for any violation of this solicitation's requirements. No penalty or other costs shall be levied against the District as a result of its decision to terminate the contract or award.

In addition to the above obligations of the successful Vendor, all persons and contractor personnel having contact with students and/or any individual who enters onto District property may be subject to a national criminal background check at the discretion of the District prior to entry upon District property and the performance of any duties. All individuals entering District property shall be screened nationally for criminal sex offenses/Sex Offender status on automated equipment at each school or site.

**Alcoholic Beverages, Illicit Drugs, Smoking, and Weapons**

The successful Vendor shall not permit its personnel, representative or any subcontractor or other personnel to possess upon District property or within any vehicle transporting students and staff, any alcoholic beverages, illicit/non-prescribed drugs, tobacco products or weapons. Alcoholic beverages, illicit/non-prescribed drugs, tobacco products and weapons are not allowed on District property at any time. Any vendor related actions involving or the possession of, any of the aforementioned items while on District property may cause a cancellation of any award/agreement, at no cost to the District. Criminal charges may apply. Personnel who appear to be under the influence of any substance shall not be allowed to transport or come into contact with students or enter or remain on District property.

## **Jurisdiction**

The District is not an agency of the state and is not governed by the South Carolina Consolidated Procurement Code and Regulations. The District is governed by its own Procurement Code and Regulations.

## **Contract Termination for Cause**

The District reserves the right to terminate this solicitation or resulting agreement upon a thirty (30) day notice, when in the best interest of the District. Termination of any contract by the District for cause, non-performance, default or negligence on the part of the successful Vendor shall be a retained right. Termination costs levied against the District shall not apply and the thirty (30) calendar day termination notice requirement shall be waived. The default provisions shall apply when a contract is terminated for cause.

The District reserves the right to terminate an award/contract when the health and safety of students and staff are threatened or for the awarded firm's non-compliance with state law or the terms and conditions of the solicitation.

The District reserves the right to terminate the continuation of any project, agreement, service or award resulting from this solicitation when funding has not been appropriated. The District does not anticipate canceling a project or an agreement; however, it shall reserve the right to act in the best interests of the District and its constituents.

## **Default**

In case of default by the Vendor, the District reserves the right to purchase any or all services / items in default in the open market, charging the Vendor with any additional costs. The Vendor that is determined to be in default shall not be considered a responsible Vendor until the assessed charge as been satisfied.

## **Vendor's Relationship with the District**

The successful Vendor shall be independent of the District. None of the Vendor's employees shall be deemed for any purpose to be employees, agents, or servants of the District, but shall at all times serve as employees, agents, or servants of the Vendor for whom and at whose direction they shall act. No acts performed for or representations made, whether written or oral, by the Vendor to third parties shall bind the District. The Vendor shall be solely responsible for the withholding and payment of all federal, state, and local personal income, social security, unemployment, workers compensation, and other payroll taxes for its employees. The District shall have no liability of any sort for the Vendor's employees.

The successful Vendor shall be responsible for any loss or damage to property (in the sole opinion of the District) owned by the District and in the Vendor's possession or control. No portion of this contract shall be subleased, assigned, transferred or conveyed without written approval from a Procurement Officer of the District prior to or after issuance of the Intent to Award. The District will NOT provide office space, utilities and operating expenses. This includes phone, copier, fax and postage expenses.

## **Vendor Responsibility**

Responsibility of the Vendor shall be ascertained for a contract awarded by the District based upon full disclosure to the District concerning capacity to meet the terms of the contract and based upon a past record of performance for similar contracts. The failure of a proposer to supply information promptly to the District may be grounds for a determination of non-responsibility with respect to such proposer. Failure to provide requested information may result in rejection of a solicitation response and/or suspension and/or debarment of the proposer.

The District shall be entitled to audit the books and records of a Vendor or any subcontractor under any negotiated contract or subcontract other than a firm fixed price contract to the extent that such books and

records relate to the performance of such contract or subcontract. Such books and records shall be maintained by the Vendor for a period of three (3) years from the date of final payment under the prime contract and by the subcontractor for a period of three (3) years from the date of final payment under the subcontract, unless a shorter period is authorized in writing by a District Procurement official.

Due care and diligence have been used in the preparation of the scope of work and/or the specifications and the information contained therein is believed to be substantially correct. However, the responsibility for determining the full extent of the exposure and the verification of all information presented herein shall rest solely upon the Vendor. The District will not be responsible for any errors or omissions in the Vendor's response nor for the failure on the part of the Vendor to determine the full extent of the solicitation requirements and exposures.

The Vendor may ask questions subject to the Inquiry Deadline and the previously stated inquiry instructions.

The successful Vendor shall perform this project in compliance with all Federal and State requirements concerning fair employment of all employees and applicants. Bidding Vendors shall promote the employment of the disabled and disadvantaged and shall employ without regard or discrimination due to the reason of ethnic background, age, color, religion, gender, national origin or physical disability. Vendors should provide information regarding the use of minority subcontractors if applicable or if requested by the District. Assistance to small, minority and disadvantaged firms and individuals is available in accordance with the District's Minority Business Enterprise Utilization Plan, which is available by contacting the Procurement Officer.

#### **Use of District Name**

The awarded Vendor shall not use the name of the District in advertising or in seeking or joining into contracts with suppliers, customers or for any other manner. The Vendor shall make all of its contracts in its own name and the awarded Vendor shall be responsible for its financial obligations and contracts, not the District.

#### **Cooperative Purchasing (When applicable)**

The District's Procurement Code and Regulations authorizes the use of cooperative purchasing practices with regard to other public procurement units. Accordingly, any South Carolina school district, state, city or county agency or other public procurement unit may participate in any resulting award if agreeable to the District, the successful Vendor and the other public procurement unit.

No other public procurement unit is required to make use of this capability as participation is at the discretion of the other public procurement unit. This District is not bound by any other public entities' solicitation, award or other contract.

The District shall not guarantee the participation of another public procurement unit nor be responsible for any resulting business or non-business with any other entity. Purchase Orders, delivery arrangements, payments and any other type of contractual documentation or performance shall be the responsibility of the actual participating public procurement unit, not The School District of Greenville County. The successful Vendor shall hold harmless the District, its employees, Administration, Board of Trustees and its representatives for any loss or damage as the result of the action or inaction of another public procurement unit.

#### **Prepayment**

The District shall not approve or process any payment to the Vendor, its subcontractors or suppliers prior to project completion. Vendor requirements or requests for "up front", partial payment or pre-payment shall not be authorized. Vendor that require such conditions in their bid and/or file invoices or payment requests after an award, but prior to performance completion, shall have their contract cancelled with no penalty levied against the District.

### **Procurement Card and ACH Processing (If applicable)**

The District has the capability to pay the majority of vendor invoices with a District managed Procurement Card (P-Card) and/or an Automated Clearing House (ACH) processing method. The District reserves the right to request that the awarded vendor process invoice/payment transactions by use of the District P-Card or ACH processing method. Failure by the vendor to provide P-Card and/or ACH transaction processing capabilities shall not be grounds for rejection of a proposal nor shall it create a contract controversy. **Any discounts offered by the vendor as the result of the District's use of the P-Card or ACH processing should be noted in the solicitation response on a separate page entitled Procurement Card and ACH Processing Capability.**

### **Educational Technology Services Requirement**

The following requirement has been prepared by the District's Education Technology Services (ETS) department and is enforceable when applicable:

"For all COTS (commercial off-the-shelf applications), the Vendor shall submit security audit documentation which meets State and Federal law along with applicable regulatory standards including, but not limited to: the South Carolina Public Records Act, Family Educational Rights and Privacy Act (FERPA), Health Insurance Portability and Accountability Act (HIPAA), Pupil Privacy Rights Act (PPRA), Individuals with Disabilities Education Act (IDEA), Gramm-Leach Bliley Act (GLBA), and Payment Card Industry Data Security Standard (PCI-DSS). Applications must also meet or exceed verifiable Greenville County School District security review and security application testing specifications, including, but not limited to: Open Web Application Security Project (OWASP), The Web Application Security Consortium (WASC), and United States Computer Emergency Readiness Team (US-CERT) National Vulnerability Database (NVD) as part of the Request for Proposal or Invitation for Bid submission."

### **Iran Divestment Act – Certification (Dec 2015)**

(a) The Iran Divestment Act List is a list published by the Authority pursuant to Section 11-57-310 that identifies persons engaged in investment activities in Iran. Currently, the list is available at the following URL: <http://procurement.sc.gov/PS/PS-iran-divestment.phtm> (.). Section 11-57-310 requires the government to provide a person ninety days written notice before he is included on the list. The following representation, which is required by Section 11-57-330(A), is a material inducement for the State to award a contract to you. (b) By signing your Offer, you certify that, as of the date you sign, you are not on the then-current version of the Iran Divestment Act List. (c) You must notify the Procurement Officer immediately if, at any time before posting of a final statement of award, you are added to the Iran Divestment Act List. [07-7A072-1].

### **Iran Divestment Act – Ongoing Obligations (Jan 2015)**

(a) You must notify the procurement officer immediately if, at any time during the contract term, you are added to the Iran Divestment Act List. (b) Consistent with Section 11-57-330(B), you shall not contract with any person to perform a part of the Work, if, at the time you enter into the subcontract, that person is on the then-current version of the Iran Divestment Act List. [07-7A072-1]

### **Bidder's Rights**

Bidders may have the right to protest this solicitation or its subsequent award in accordance with Article XIV of the District's Procurement Code. Should a protest period end on a day that the District is closed; the protestor may file by 5:00 P.M. the following full day that the District is open for business.

### **South Carolina Illegal Immigration Reform Act**

By signing its bid or proposal, Contractor certifies that it will comply with the applicable requirements of Title 8, Chapter 14 of the *South Carolina Code of Laws* and agrees to provide to the District, upon request, any documentation required to establish either: (a) that Title 8, Chapter 14 is inapplicable both to Contractor and its subcontractors or sub-subcontractors; or (b) that Contractor and its subcontractors or sub-subcontractors are in

compliance with Title 8, Chapter 14. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony and upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years or both." Contractor agrees to include in any contracts with its subcontractors language requiring its subcontractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) include in their contracts with the sub-subcontractors language requiring the sub-subcontractors to comply with the applicable requirements of Title 8, Chapter 14. (An overview is available at [www.procurement.sc.gov](http://www.procurement.sc.gov)).

### **State and Federal Laws and Regulations***(Revised 10/13/22)*

The School District of Greenville County requires adherence and itself adheres to all applicable State and Federal laws and regulations including "2 CFR, Subtitle A, Chapter II Subpart D, 200.322 Domestic Preferences for Procurements".

The successful vendor's work, end product, and/or services shall meet all local, state and federal requirements.

### **Permits, Licenses and Taxes**

The Vendor shall, at its own expense, prior to an award and prior to commencing services/operations on behalf of the District or under contract with the District, acquire all necessary permits, licenses and other approvals as required by law to provide the required services and/or actions in conjunction with a contract award with the District. It is recommended that Vendors contact the following to learn of any pertinent requirements or licenses:

1. The South Carolina Secretary of State's office ([www.scsos.com](http://www.scsos.com))
2. The South Carolina Department of Revenue
3. The City of Greenville Business License department (as applicable)
4. The County of Greenville

The District shall not interpret the requirements of other public entities on behalf of the Vendor.

Vendors shall remain in compliance with all applicable statutes and pertinent regulations throughout the term of performance. Should any permits or licenses be revoked or lapse during the period of performance, the undersigned Procurement Officer shall be notified immediately.

The Vendor shall pay all excise taxes, retail taxes and other fees imposed. The Vendor assumes full responsibility for payment of all State and Federal taxes for unemployment, pensions or any Social Security legislation for all its employees and will further comply with all requirements that may be specified in regulations hereafter promulgated by the District's administrative officials.

### **Contractor Licensing**

Prior to the bid due date and time and throughout the program/project, the bidding firm, the Prime Contractor and any Subcontractors, shall be licensed in full accordance with the provisions of Section 40-11-10 through 40-11-340 of the Code of Laws of South Carolina, 1976, as amended.

The firm and/or presenting agent must be duly licensed to do business in the State of South Carolina and Greenville County. The District recommends that Vendors contact the South Carolina Secretary of State office and the Greenville City business license office for more information. The District shall not interpret these

requirements on behalf of the Vendor. The successful Vendor shall meet all Federal, state, and local statutes and other requirements prior to award of the project.

## **Indemnity**

NOTE: The Vendor agrees to indemnify and hold harmless the District and the District's members, officers, employees, representatives, servants and agents, from and against any and all liabilities, losses, damages, costs and expenses of any kind (including, without limitation, reasonable legal fees and expenses in connection with any investigative, administrative or judicial proceeding, whether or not designated a party thereto) which may be suffered by, incurred by or threatened against the District or any members, officers, employees, servants or agents of the District on account of or resulting from injury, or claim of injury, to person or property arising from the awarded proposer's actions or omissions relating to this Agreement, or arising out of the proposer's breach or failure to perform any term, covenant, condition or agreement herein provided to be performed by the proposer.

**The District shall not indemnify and/or hold harmless any proposing entity or its representatives as this action is not statutorily allowed by South Carolina law.**

## **Certification Regarding Debarment and other responsibility matters (Dec. 2021)**

- (a) (1) By submitting an Offer, Vendor certifies, to the best of its knowledge and belief, that-
- (i) Vendor and/or any of its Principals-
    - (A) Are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any state or federal agency;
    - (B) Have not, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and
    - (C) Are not presently indicted or civilly for, or otherwise criminally charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision.
  - (ii) Vendor has not, within a three-year period preceding this offer, had one or more contracts terminated for default by any public (Federal, state, or local) entity.
- (2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).
- (b) Vendor shall provide immediate written notice to the Procurement Officer if, at any time prior to contract award, Vendors learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
  - (c) If Vendor is unable to certify the representations stated in paragraphs (a)(1), Vendor must submit a written explanation regarding its inability to make the certification. The certification will be considered in connection with a review of the Vendor's responsibility. Failure of the Vendor to furnish additional information as requested by the Procurement Officer may render the Vendor nonresponsible.
  - (d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of a Vendor is not required to exceed that which is normally possessed by a

prudent person in the ordinary course of business dealings.

- (e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Vendor knowingly or in bad faith rendered an erroneous certification, in addition to other remedies available to the State, the Procurement Officer may terminate the contract resulting from this solicitation for default.  
[02-2A035-1]

If not submitting a bid, please submit a “NO BID” letter indicating the reason for not doing so. Failure to respond with either a bid or a “No Bid” letter may result in removal of the bidder’s name from the active bidders’ list.

The District appreciates each firm’s interest in this project.

*Jeffrey S. Knotts*

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Jeffrey S. Knotts  
Director of Procurement

Enclosures:	Scope of Work / Specifications	(1 page)
	Certification of Drug-Free Work Place	(2 pages)
	Bid Response Certification	(1 page)
	Bid Form	(7 pages)
	General Terms and Conditions	(10 pages)

Copy: Mrs. Tonya Stroud, Senior Buyer  
Ms. Terresa Champion, Manger, School Facilities

## Scope of Work / Program Specifications

**IFB # 323-20-5-4**

**Building Envelope Repairs**

**Sevier Middle School**

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Project Drawings and Specifications may be downloaded from the SDGC Procurement Department website at the following link: <https://www.greenville.k12.sc.us/Departments/main.asp?titleid=solicitations>.

Work will start no earlier than May 29, 2023, pending an award and issuance of purchase order, and will be completed no later than August 4, 2023

**Allowance:** The Bidder's Base Bid will include the following allowances:

An amount of Thirty Thousand Dollars (\$30,000.00) to be charged to the contingency allowance. The Contingency allowance shall be included in the Contractor's **Base Bid**.

### **Alternate Pricing:**

**Alternate No. 1:** Contractor to pressure wash entire precast concrete panel exterior walls and brick/block walls. Clean exterior windows.

**Alternate No. 2:** Contractor to apply two coats of Loxon Self- Cleaning Acrylic Coating according to manufacturer's instructions to entire precast concrete exterior.

**Note: Alternate No. 2 cannot be completed without completing Alternate No. 1.**

**End of Scope of Work / Specifications**

**STANDARD BID FORM**

BID OF: \_\_\_\_\_  
(Contractor)

BID TO: The School District of Greenville County / Procurement Department  
2 Space Drive  
Taylors, South Carolina 29687

PROJECT: Sevier Middle School – Building Envelope Repairs  
**IFB No. 323-20-5-4**

The undersigned, having examined all the Solicitation Documents and acknowledging all addenda required by the solicitation shall be listed below:

**Addendum No.** \_\_\_\_\_

**BASE BID AGREEMENT**

The Contractor shall execute the entire Work in the Solicitation Documents described as the Base Bid for the

lump sum of : \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_) which sum is hereafter called the **BASE BID.**

**DATE FOR COMMENCEMENT AND SUBSTANTIAL COMPLETION**

The Date for Commencement shall be established in the Notice to Proceed. The Contractor shall not incur any expense until the contract has been awarded. An award requires that either the Contract be signed by both the awarding authority and the Contractor, or a Notice to Proceed is executed.

This project is scheduled for execution after proper award and issuance of a Purchase Order. Work will start no earlier than May 29, 2023 and will be completed no later than August 4, 2023

The undersigned further agrees that from the compensation to be paid, the Owner may retain as liquidated damages (LD) the sum of one thousand dollars (\$1,000.00) for each calendar day the actual contract time for Substantial Completion exceeds the specified contract time for the work until such time as substantial completion is obtained.

\_\_\_\_\_  
**Authorized Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Firm Name:** \_\_\_\_\_

**STANDARD BID FORM**

**IFB # 323-20-5-4**

**Building Envelope Repairs**

**Sevier Middle School**

**Alternate Pricing**

The undersigned proposes the following unit prices for additions to the Contract Sum in the Agreement. The Owner reserves the right to include, or not include, the following unit prices (either individually or as a whole) in the Agreement. Unit prices shall include all costs for materials, labor, tools, equipment, temporary works/protection, cutting and waste, removal of packaging and surplus materials, fees, taxes, insurance, bonding, overhead, profit, etc.

Description	Add Pricing
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**Alternate No. 1:**

1. Contractor to pressure wash entire precast concrete panel exterior walls and brick/block walls. Clean exterior windows.

\$ \_\_\_\_\_ Lump Sum Price  
**(Do not include in the Base Bid)**

**Alternate No. 2:**

1. Contractor to apply two coats of Loxon Self- Cleaning Acrylic Coating according to manufacturer's instructions to entire precast concrete exterior. **Note: Alternate No. 2 cannot be completed without completing Alternate No. 1.**

\$ \_\_\_\_\_ Lump Sum Price  
**(Do not include in the Base Bid)**

**Authorized Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Firm Name:** \_\_\_\_\_

**STANDARD BID FORM**

**IFB # 323-20-5-4**

**Building Envelope Repairs**

**Sevier Middle School**

**Bid Holding Time and Acceptance**

The undersigned agrees that this bid may not be revoked or withdrawn after the time set for the opening of bids, but shall remain open for acceptance for a period of sixty (60) days following the bid due date.

**Liquidated Damages**

Liquidated Damages will be charged at one thousand dollars (\$1,000.00) per calendar day.

**Bid Security**

Vendors shall submit a Bid Security in the amount of five percent (5%) of the base bid. The Bid Security must be in the form of a Bid Bond or Cashier's Check payable to The School District of Greenville County. No personal checks, company checks or cash will be accepted. Bid Security shall be submitted with the bid or the bid may be considered nonresponsive and not subject to an award.

**Performance and Payment Bonds**

If the total amount of the awarded project exceeds fifty thousand dollars (\$50,000.00), prior to work commencing, the successful Prime Contractor shall provide the SDGC Facilities Department Project Manager with **Performance and Labor and Material Payment Bonds**, each in the amount equal to one hundred percent (100%) of the awarded contract cost.

**Insurance**

**IMPORTANT:** Must include a copy of the bidder's certificate of liability insurance and Workman's Compensation *in the sealed bid package* with the bid.

**Authorized Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Firm Name:** \_\_\_\_\_



**STANDARD BID FORM**

**BID RESPONSE CERTIFICATION**

**IFB # 323-20-5-4**

**Building Envelope Repairs**

**Sevier Middle School**

As an authorized representative of the Bidder, I hereby certify that the costs and services stated in this bid are accurate and binding for not less than sixty (60) calendar days from the solicitation due date. All costs and charges are accurate and complete as stated in the bid are inclusive of all costs the District is expected to pay. If an award is not made within sixty (60) calendar days, it shall be incumbent upon the Bidder to notify the District, in writing, if it does not want its bid further considered. Failure to notify the District shall mean that the bid remains valid until an award is made or the solicitation is cancelled.

I further certify that the Bidder will deliver the service(s) and/or material(s) as required by the Invitation for Bid. No additional costs or payments to any entity, including the Bidder, shall be requested of the District due to any miscalculation, deficiency or other cause later discovered. The Terms and Conditions of the solicitation are accepted by the undersigned.

I certify that the Bidder has availed itself of every opportunity to understand the Invitation for Bid, the District's Procurement Code and Regulations and other pertinent District policy.

By submission of a bid, I certify that the Bidder has read and understands all of the requirements and conditions of the solicitation and shall be bound by such without exception. Therefore, the undersigned respectfully submits the bid.

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Mailing Address (Line 1)

\_\_\_\_\_  
Mailing Address (Line 2)

\_\_\_\_\_  
Email Address

\_\_\_\_\_/\_\_\_\_\_  
Telephone Number / Mobile Telephone Number

\_\_\_\_\_/\_\_\_\_\_  
Printed Name of Authorized Representative / Title of Authorized Representative

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Date

**The School District of Greenville County (District)**  
**Certification of a Drug-Free Workplace**  
**IFB # 323-20-5-4**

This certification is required by the Drug-free Workplace Act, Section 44-107-10 *et seq* South Carolina Code of Laws (1976, as amended). The regulation requires signed Certification by Proposers/Contractors/Vendors prior to an award, that the entity shall maintain a drug-free workplace as required below and in accordance with South Carolina law. The signed Certification is a material and binding representation of fact upon which reliance shall be placed when determining the award of a contract. False representation or violation of the Certification requirements shall be grounds for suspension of payments, suspension and/or termination of any contract, or suspension and/or debarment regarding the right to submit bids or proposals to The School District of Greenville County.

For purposes of this Certification, “Drug-free Workplace” is defined as set forth in Section 44-107-20(1), South Carolina Code of Laws (1976, as amended). The aforesaid Section defines a workplace to include any District site where work is performed to carry out the Contractor’s/ Vendor’s duties under an award/contract. The Contractor’s/Vendor’s employees shall be prohibited from engaging in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance in accordance with the requirements of the Drug-free Workplace Act.

By signing this document, the Contractor/Vendor hereby certifies that it shall provide and maintain a drug-free workplace by:

- (1) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited on a District site or in the Contractor’s/Vendor’s workplace and specifying the actions that will be taken against employees for violation of the prohibition;
- (2) Establishing a drug-free awareness program to inform employees about:
  - (a) The dangers of drug abuse in the workplace;
  - (b) The Contractor’s/Vendor’s policy of maintaining a drug-free workplace;
  - (c) Any available drug counseling, rehabilitation, and employee assistance programs; and
  - (d) The penalties that may be imposed upon employees for drug violations;
- (3) Making it a requirement that each employee to be engaged in the performance of the contract be given a copy of the statement required by paragraph (1) above
- (4) Notifying the employee in the statement required by paragraph (1) that, as a condition of employment under the contract, the employee will:
  - (a) Abide by the terms of the statement; and
  - (b) Notify the employer of any criminal drug statue conviction for a violation occurring in the workplace no later than Five (5) calendar days after the conviction;
- (5) Notifying the District within Ten (10) calendar days after receiving notice under subparagraph (4) (b) from an employee or otherwise receiving actual notice of the conviction;

**The School District of Greenville County (District)**

**Certification of a Drug-Free Workplace**

**IFB # 323-20-5-4**

- (6) The Contractor/Vendor shall take one of the following actions, within Thirty (30) calendar days of receiving notice under subparagraph (4) (b) with respect to any employee who is convicted:
  - (a) Taking appropriate personnel action against the employee, up to and including termination; and
  - (b) Requiring the employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state or local health facility/service, law enforcement agency or other appropriate agency;
  
- (7) Making a good faith effort to continue to maintain a drug-free workplace through implementation of Paragraphs (1), (2), (3), (4), (5), and (6) above.

\*\*\* Please return both page of this form. \*\*\*

**SDGC Solicitation/Contract Number: IFB No. 322-20-5-4**

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**Project Name: Sevier Middle School – Building Envelope Repairs**

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**Contractor/Vendor Name:**

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**Address:**

---

**Authorized Representative Name/Title:**

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**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Witness:**

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**Note: Prior to an award, this Certification Form is required to be submitted for all contracts for a stated or estimated value of \$ 10,000 or more.**

## GENERAL TERMS AND CONDITIONS

While effort has been made to separate substantive and procedural matters through the division of a solicitation or agreement into various parts, the distinctions between such categories are not always exact. Consequently, offerors are advised that all contents of a solicitation or agreement will constitute the substantive terms and conditions of the relationship, if any occurs, between the offeror and the District in accordance with this document.

### DEFINITIONS

The terms, “vendor”, “contractor”, “prime contractor”, “contractor”, “firm”, “offeror”, “proposer”, “responder”, “supplier”, “entity” or “bidder” may be used interchangeably and refers to the entity offering a bid/proposal. These terms are defined as including a legal business association of one (1) or more persons existing at the time of the bid/proposal submission. The terms “solicitation”, “Invitation for Bid”, “Bid”, “Request for Proposal”, “Proposal”, “Quotation”, “Quote” may be used interchangeably and refers to the solicitation. The term “Agreement” means any transaction or contractual arrangement contemplated or created as a result of, arising out of, or relating to the solicitation and subsequent award. The terms, “The School District of Greenville County”, “Greenville County Schools”, “Customer”, “Owner”, “District”, “SDGC”, “GCSD”, “GCS”, “Board of Trustees” and “Board” may be used interchangeably and refers to the entity issuing the solicitation, receiving and reviewing the proposals and issuing an award. The term “Day” or “Days” refers to calendar days, unless noted otherwise.

### GOVERNING LAW

The contractor or offeror shall comply with the laws of the State of South Carolina which require that it be authorized and/or licensed to bid and/or conduct business in said State. By signing an Agreement or by offering a bid or proposal or agreement, contractor agrees to subject itself to the jurisdiction and process of the District’s Procurement Code and Regulations, the courts of the State of South Carolina or federal courts as to all matters and disputes arising or may arise under and in regard to the solicitation, Agreement and the performance thereof, including any questions as to the liability for taxes, licenses or fees levied by the State.

The solicitation and/or Agreement and any dispute, claim or controversy relating to the solicitation and/or Agreement shall, in all respects, be interpreted, construed, enforced and governed by and in accordance with the Procurement Code and Regulations of The School District of Greenville County and the laws of the State of South Carolina. All disputes, claims or controversies relating to the Agreement shall be resolved exclusively by the District’s Chief Procurement Officer or Purchasing Agent/Procurement Director in accordance with Article XIV of The School District of Greenville County’s Procurement Code or in the absence of jurisdiction, the Court of Common Pleas for, or a federal court located in, Greenville County, State of South Carolina. Contractor or offeror agrees that any act by the District regarding the solicitation and/or Agreement is not a waiver of either the District’s sovereign immunity or the District’s immunity under the Eleventh Amendment of the United States’ Constitution. As used in this paragraph, the term “Agreement” means any transaction, contract, understanding or agreement arising out of, relating to, or contemplated by the pertinent solicitation and/or agreement between the proposer and the District.

The District shall not accept, enter into or sign any proposed agreement(s), document(s), offer(s), contract(s), leases(s) and/or provision(s) that materially conflicts with the District’s General Terms and Conditions, the requirements of a solicitation or which are determined not to be in the best interest of the District.

The solicitation and the District’s General Terms and Conditions shall govern and take precedence as the contract between the District and the awarded entity. The terms of the agreement between the District and the successful/awarded entity shall comply with the requirements contained in this solicitation and the District’s General Terms and Conditions.

### CONTRACTUAL NEGOTIATIONS

Contract negotiations, if applicable, may be started at the District’s discretion, with the apparent successful offeror. If any points/issues exist that cannot be resolved, so that a final contract, to the mutual satisfaction of all parties, can be reached, negotiations may be initiated with the next qualified offeror. All contractual documents submitted will be subject to approval of the District.

### CONTRACT DOCUMENTS & ORDER OF PRECEDENCE

(a) Any contract resulting from this solicitation shall include the following documents: (1) a Record of Negotiations, if any, executed by the vendor and the District, (2) documentation regarding the clarification of an offer, if applicable, (3) the solicitation, as may be amended, (4) modifications, if any, to an offer, if accepted by the District, (5) the vendor's offer, (6) any statement reflecting the District's final acceptance (award), (7) purchase orders, and (8) any related contracts or agreements executed by the District and the proposer. These documents shall be read to be consistent and complimentary. Any document signed or otherwise agreed to by persons other than the Executive Director of Finance or a Procurement Officer shall be void and of no effect.

### OFFEROR RESPONSIBILITY

The offeror is the entity that is proposing or offering to perform work or supply service(s) and/or material(s) to the District. Each offeror shall fully acquaint itself with conditions relating to the scope and restrictions attending the performance of obligations under the conditions of this solicitation or agreement. The omission of an offeror to acquaint itself with existing pre-contract conditions or post-contract consequences shall in no way relieve such offeror of any obligation with respect to the proposal or to any contract resulting from a solicitation or agreement. Offerors are notified that failure to inspect, familiarize or otherwise gather information as to the total cost to the District will, in addition to any and all other remedies available, create cost difference liabilities and claims against the ultimately successful contractor. Offerors shall notify the District of all costs reasonably expected.

### BID/PROPOSAL/AGREEMENT CONSTITUTES OFFER

By submitting a bid/proposal or agreement, the offeror agrees to be governed by the terms and conditions as set forth in the solicitation document or proposed agreement and the District Procurement Code and Regulations. Any bid or proposal response or proposed agreement containing variations from the terms and conditions set forth herein may, at the sole discretion of the District, render such bid or proposal or agreement non-responsive. Any inconsistencies between the solicitation and any other contractual instrument shall be governed by the terms and conditions of the solicitation or proposed agreement, except where subsequent amendments to any contract resulting from the award are specifically agreed to in writing by the parties in order to supersede any such provisions of the solicitation or other contractual document.

### SPECIFICATIONS MANDATORY

The offeror must meet all of the mandatory specifications and requirements set forth in the solicitation or proposed agreement. By incorporating said specifications into the offeror's response, subject to acceptance by the District of any amendments hereto as submitted by the offeror, the offeror is agreeing to comply with said solicitation specifications or agreement. Failure to provide mandatory evidence of capability will result in a low evaluation ranking of the offeror's bid/proposal. Items designated as evaluation factors will be evaluated and rated in accordance with the evaluation criteria, if applicable.

### INQUIRIES

Every effort has been made to ensure that all information needed by an offeror is included herein. If an offeror finds that it cannot provide a response without additional information, it may submit written questions to the person designated herein on or before the deadline set forth in the solicitation. Questions shall not be accepted by the District after the specified date. All replies to questions will be in writing and contained within an addendum. When a question received by the District is found to be previously and sufficiently addressed in the solicitation, that question will be returned to the proposer with a reference to the part of the solicitation containing the answer. All questions and written replies will be distributed to all known interested firms and individuals via an addendum and will be regarded as a part and parcel of the solicitation.

### AMENDMENTS OR ADDENDA

If it becomes necessary to revise any part of the solicitation or agreement, amendments in the form of an addendum will be provided in writing to all known, interested firms and individuals.

ALL AMENDMENTS TO AND INTERPRETATIONS OF A SOLICITATION SHALL BE IN WRITING. THE DISTRICT SHALL NOT BE LEGALLY BOUND BY ANY AMENDMENT, ADDENDUM, INFORMATION OR INTERPRETATION THAT IS NOT IN WRITING.

### COMPANY EXPERIENCE AND REFERENCE ACCOUNTS

If requested, interested firms and individuals must provide reference accounts where the services and/or equipment/material(s) offered were similar to the services and/or equipment/material(s) requested in the solicitation. The intent is to show company experience in receiving contracts for, and delivery of, goods and services similar to those proposed. Information should include the name, address, telephone number, and title of the person to contact

for inquiry as to the proposer's experience and performance. Referenced accounts must not be company owned or an affiliate of the bidder or proposer.

The District reserves the right to consider historic information and facts about the bidder or proposer, whether gained from the submitted response, question and answer conferences, references or any other source, during the evaluation process.

#### SOLICITATIONS/AGREEMENTS SIGNED

All submittals shall be signed by a representative of the entity authorized to commit to the provisions of the submittal. Unsigned bids/proposals will be rejected unless an authorized representative is present at the bid/proposal opening and provides the needed signature, provided that the discovery is made prior to the recording of the contractor's bid/proposal. Any proposed and agreed upon contract shall be signed by an authorized representative of the offeror.

#### PUBLIC OPENING

All bids/proposals received in response to a solicitation will be recorded publicly at the time and place specified in the solicitation. The name of each offeror shall be announced, recorded and made available for scheduled public inspection.

#### POSTING OF AWARD

Solicitation awards shall be posted in the District's Procurement Department located at 2 Space Drive, Taylors, South Carolina. Awards may be viewed during normal business hours. The Procurement Department may be contacted to determine if a particular award has been posted.

#### RIGHT TO PROTEST

Any prospective bidder, proposer, offeror, contractor, or subcontractor who is aggrieved in connection with the solicitation of a contract shall protest in writing to the Purchasing Agent/Director of Procurement within fifteen (15) calendar days of the date of issuance of the Invitation for Bid/Request for Proposal or other solicitation documents, whichever is applicable, or any amendment thereto, if the amendment is at issue.

Any actual bidder, proposer, offeror, contractor, or subcontractor who is aggrieved in connection with the intended award or award of a contract shall protest in writing to the Purchasing Agent/Director of Procurement within fifteen (15) calendar days of the Posting Date as noted on the award document.

**PROTEST RIGHTS** -- The provisions of Article XIV Section A of the District Procurement Code shall not apply to contracts which are less than \$ 25,000 in total.

A protest shall be submitted in writing to the Purchasing Agent/Director of Procurement, The School District of Greenville County, 2 Space Drive, Taylors, South Carolina 29687 and shall set forth the grounds of the protest, evidence to support the protest and the relief requested with enough particularity to give notice of the issues to be decided.

It shall be agreed that the District may exercise its right to require a protest bond or irrevocable letter of credit from a protesting party when applicable.

#### CLARIFICATIONS

The District reserves the right, at any time after opening and prior to award, to request from any apparently responsible bidder or proposer, clarification(s) of the bid/proposal submitted to the District, address questions or to seek or provide other information regarding the offeror's submittal/response. This process may be used for such purposes as providing an opportunity for the offeror to clarify its bid/proposal in order to assure mutual understand

#### PURCHASE ORDERS

Contractor shall not perform any work prior to the receipt of a Purchase Order from the District. The District shall order any supplies or services to be furnished via a solicitation method by issuing a Purchase Order. Purchase Orders may be used to elect any options available pursuant to a solicitation; e.g., quantity, item, delivery date, payment method, but are subject to all terms and conditions of the solicitation.

#### PATENT AND COPYRIGHT LIABILITY

If notified promptly in writing by the District of any actions (and all prior claims relating to such action) brought against the District, based on a claim that the District's use of the services or any products offered, including software, infringes a United States patent or copyright, the contractor will defend and indemnify the District in such action at its expense and will pay the costs and damages awarded in such action, provided that the contractor shall have sole control of the defense of any such action and all negotiation for its settlement or compromise. The District shall give the Contractor prompt written notice of such claim and full right and opportunity to conduct the defense thereof, together with full information and reasonable cooperation. No cost or expenses shall be incurred for the account of the contractor without its written consent. If principles of government or public law are involved, the District may participate in the defense of any action. If, in the opinion of the contractor, the products furnished there under are likely to, or do become, the subject of a claim of infringement of a United States patent or copyright, then, without diminishing its obligation to satisfy a final award, the contractor may, at its option and expense, (a) obtain the right for the District to continue to use such goods; or (b) substitute, with prior notice and District approval, for the alleged infringing products other equally suitable products that are satisfactory to the District; or (c) take back, with District approval, such products, provided however, that the contractor will not exercise option (c) until the contractor and the District have evaluated options (a) and (b). In such event, contractor will reimburse the District for the purchase price of any goods removed pursuant to option (c).

#### TAXES

Prices shall include all applicable taxes unless otherwise noted. The current tax rate in South Carolina is six percent (6%). In the event that the contractor fails to pay or delays in paying to any taxing authorities sums paid by the District to the contractor, the contractor shall be liable to the District for any loss (such as the assessment of additional interest) caused by virtue of this failure or delay.

#### Price Adjustment (Revised 10/06/2021)

Any request for price increase must be submitted to the user location and the District's Procurement Department by the vendor at least sixty (60) calendar days prior to any proposed contract extension, but not before ninety (90) calendar days to the requested renewal contract term. The price increase will only become effective if agreed to in writing by the District's Procurement Department. The maximum increase shall not exceed three percent (3%) or the adjusted percent change from the previously reported period shown in the U.S. Department of Labor, Bureau of Labor Statistics, Southeast Consumer Price Index for All Urban Consumers (CPI-U), whichever is less at the time of renewal.

#### TERMINATION BY DISTRICT

##### Termination for Non-appropriations:

In the event no funds or insufficient funds are appropriated and budgeted in any fiscal year for payments due under this Agreement, or there is no further need for the equipment, material(s), service(s) and program products to satisfy the need for which same were acquired herein, then the District shall promptly notify the contractor of such occurrence, and this Agreement shall create no further obligation of the District as to such current or succeeding fiscal year and shall be null and void, except as to the portions of payments herein agreed upon for funds which shall have been appropriated and budgeted. In such event, this Agreement shall terminate on the last day of the fiscal year for which appropriations were received without penalty or expense to the District of any kind whatsoever.

Subject to the provisions below, any contract resulting from this solicitation, or any portion thereof, may be terminated by the District providing a sixty (60) calendar day advance notice in writing is given to the contractor, unless the District agrees to a different notice period.

#### SUSPENSION BY DISTRICT

The District reserves the right to suspend Contractor's work, with or without cause, upon three (3) calendar day's written notice. If the suspension was not due to any default by Contractor, the District will reasonably and equitably adjust the amount(s) to be paid to Contractor when work is resumed.

#### TERMINATION BY CONTRACTOR

Requests for termination of a contract by the contractor must be received in writing by a District Procurement Officer at least sixty (60) calendar days prior to the requested contract termination date.

### WAIVERS

No waiver of right, obligation, or default shall be implied, but must be in writing, signed by the party against whom the waiver is sought to be enforced. One or more waivers of any right, obligation, or default shall not be construed as a waiver of any subsequent right, obligation, or default.

### APPROVAL OF PUBLICITY RELEASES

The contractor shall not have the right to include the District's name in its published list of customers or use of the District or individual school logo without prior approval of the District. The contractor agrees not to publish or cite in any form any comments or quotes from District staff. Contractor further agrees not to refer to award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the District without the written consent of an authorized District official.

### AFFIRMATIVE ACTION

The successful bidder shall perform this project in compliance with all Federal and State requirements concerning fair employment of all employees and applicants. Vendors shall promote the employment of the disabled and disadvantaged and shall employ without regard or discrimination due to the reason of ethnic background, age, color, religion, gender, national origin, or physical disability. Vendors should provide information regarding the use of minority subcontractors if applicable or if requested by the District. Assistance to minority and disadvantaged firms and individuals is available in accordance with the District's Minority Business Enterprise Utilization Plan. Vendors should contact the Procurement Department with questions regarding this plan.

### BANKRUPTCY

(a) Notice. In the event the contractor enters into proceedings relating to bankruptcy, whether voluntary or involuntary, the contractor agrees to furnish written notification of the bankruptcy to the District. This notification shall be furnished within five (5) calendar days of the initiation of the proceedings relating to the bankruptcy filing. This notification shall include the date on which the bankruptcy petition was filed, the identity of the court in which the bankruptcy petition was filed, and a listing of all District contracts against which final payment has not been made. This obligation remains in effect until final payment under this contract.

(b) Termination. This contract is voidable and subject to immediate termination by the District upon the contractor's insolvency, including the filing of proceedings in bankruptcy.

### INDEMNIFICATION

The School District of Greenville County, its officers, agents, and employees shall be held harmless from liability from any claims, damages, and actions of any nature arising from the use of any materials or equipment furnished by the contractor or actions by the contractor, provided that such liability is not attributable to negligence on the part of the District or failure of the District to use the materials in the manner outlined by the contractor.

**The District shall not indemnify and/or hold harmless any proposing entity or its representatives as this action is not statutorily allowed by South Carolina law.**

### CONTRACTOR RESPONSIBILITY

The contractor alone will be held solely responsible to the District for performance of all contractor obligations under any contract resulting from the awarded solicitation.

The contractor warrants that services will be provided in a professional manner. The contractor shall be responsible for the full performance of any subcontractors and/or suppliers and the District shall rely solely upon said contractor for project compliance and proper contractual performance.

### CONTRACTOR'S USE OF DISTRICT PROPERTY

Upon termination of the contract for any reason, the District shall have the right to possession of all District properties, including, but not limited to, current copies of all District application programs and necessary documentation, all data, files, intermediate materials and supplies held by the contractor. Contractor shall not use, reproduce, distribute, display, or sell any data, material, or documentation owned exclusively by the District without the District's written consent, except to the extent necessary to carry out the work. All District property and information is to be considered confidential in nature and shall not be disseminated or transferred without the District's written authorization.

**IMPORTANT: Student and Staff Safety**

The awarded entity shall be required to verify that criminal conviction inquiries/checks and pertinent criminal background inquiries/checks have been conducted on all of its employees and the subcontractors who may interact with staff and/or students during the performance of the solicitation requirements/awarded Scope of Work or who may have a need to enter District property related to the performance of the contract or who may have access to personal student or District personnel information.

Persons who are identified as a Sex Offender or violator as defined by the South Carolina Code of Laws (Ann. 2006), Paragraph 223-3-400 or other statute or any other states' statutes; are prohibited from entering any of The School District of Greenville County schools at any time, including all District grounds and all District facilities. Persons employed by or under the direction of the contractor or any subcontractor who are under investigation or have been charged with crimes against children or crimes of a sexual or violent nature shall not be allowed on District property.

While performing under this solicitation and subsequent award, a firm/individual/supplier who delivers material and/or a service to a District site at the direction of a contractor and/or a subcontractor shall be considered under the supervision of the contractor and/or subcontractor and shall be in compliance with this requirement. Contractor's and subcontractor's employees are not to interact with students at any time. Contractor's and subcontractor's employees are not to be in areas where students are present or may be present without prior authorization from the school's principal or designee.

Failure by the awarded firm, its subcontractors or any representative of the contractor or subcontractor to observe this requirement or any violation of this solicitation's requirements shall result in the immediate termination of any existing contract and no penalty or other costs shall be levied against the District.

NOTE: All personnel entering District property and/or having contact with students or staff on District property shall be subject to a South Carolina State Law Enforcement Division (SLED) background/criminal check/investigation prior to being allowed entry or the performance of any duties. All schools have automated equipment which allows instant verification of an individual's status.

**IMMIGRATION REQUIREMENTS**

By signing the bid or proposer, the bidder or proposer certifies that it will comply with the applicable requirements of Title 8, Chapter 14 of the *South Carolina Code of Laws* and agree to provide to the District upon request any documentation required to establish either: (a) that Title 8, Chapter 14 is inapplicable to the bidder and/or its subcontractors or sub-subcontractors; or (b) that the bidder and its subcontractors or sub-subcontractors are in compliance with Title 8, Chapter 14. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony and, upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years, or both." The bidder agrees to include in any contracts with its subcontractors, language requiring the subcontractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) to include in the subcontractor's contracts with the sub-subcontractors, language requiring the sub-subcontractors to comply with the applicable requirements of Title 8, Chapter 14. [07-7B097-1]

**Permits, Licenses and Taxes**

The bidder shall, at its own expense, prior to an award and prior to commencing services/operations on behalf of the District or under contract with the District, shall acquire all necessary permits, licenses and other approvals as required by law to provide the required services and/or actions in conjunction with a contract award with the District. It is recommended that firms contact the following to learn of any pertinent requirements or licenses:

The South Carolina Secretary of State's office ([www.scsos.com](http://www.scsos.com))  
The South Carolina Department of Revenue  
The South Carolina Department of Labor, Licensing and Regulation  
The City of Greenville, South Carolina

The District shall not interpret the requirements of other public entities on behalf of the proposer.

Firms shall obtain all necessary permits and licenses required by local, state and Federal law prior to any award or agreement and shall remain in compliance with all applicable statutes and pertinent regulations throughout the term

of performance. Should any permits or licenses be revoked or lapse during the period of performance, the undersigned Procurement Officer shall be notified immediately.

The awarded entity shall pay all excise taxes, retail taxes and other fees imposed. The entity assumes full responsibility for payment of all State and Federal taxes for unemployment, pensions or any Social Security legislation for all its employees and will further comply with all requirements that may be specified in regulations hereafter promulgated by the District's administrative officials.

By submitting a bid/proposal the bidder/proposer affirms that it shall possess and maintain all required license(s) prior to award and throughout the period of performance.

#### INSURANCE

Contractor shall maintain, throughout the performance of its obligations under this Agreement, a policy or policies of Worker's Compensation insurance with such limits as may be required by law, and a policy or policies of general liability insurance insuring against liability for injury to, and death of, persons and damage to, and destruction of, property arising out of or based upon any act or omission of the contractor or any of its subcontractors or their respective officers, directors, employees or agents. Such general liability insurance shall have limits sufficient to cover any loss or potential loss resulting from a solicitation and/or contract.

#### CONTRACTOR'S LIABILITY INSURANCE

(1) Contractor shall purchase from and maintain in a company or companies lawfully authorized to do business in South Carolina such insurance as will protect the contractor from the types of claims set forth below which may arise out of or result from the contractor's operations under the contract and for which the contractor may be legally liable, whether such operations be by the contractor or by a subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable: (a) claims under workers' compensation, disability benefit and other similar employee benefit acts which are applicable to the work to be performed; (b) claims for damages because of bodily injury, occupational sickness or disease, or death of the contractor's employees; (c) claims for damages because of bodily injury, sickness or disease, or death of any person other than the contractor's employees; (d) claims for damages insured by usual personal injury liability coverage; (e) claims for damages, other than to the work itself, because of injury to or destruction of tangible property, including loss of use resulting thereof; (f) claims for damages because of bodily injury, death of a person or property damage arising out of ownership, maintenance or use of a motor vehicle; (g) claims for bodily injury or property damage arising out of completed operations; and (h) claims involving contractual liability insurance applicable to the Contractor's obligations under the provision entitled Indemnification – Third Party Claims.

(2) Coverage shall be written on an occurrence basis and shall be maintained without interruption from date of commencement of the work until date of final payment. Coverage must include the following on a commercial basis: (i) Premises – Operations, (ii) Independent Contractor's Protective, (iii) Products and Completed Operations, (iv) Personal and Advertising Injury, (v) Contractual, including specific provision for contractor's obligations under the provision entitled Indemnification – Third Party Claims, (vi) Broad Form Property Damage including Completed Operations, and (vii) Owned, Non-owned and Hired Motor Vehicles.

(3) The insurance required by this paragraph shall be written for not less than the following limits of liability or as required by law, whichever coverage is greater.

#### COMMERCIAL GENERAL LIABILITY:

General Aggregate (per project) \$1,000,000

Products/Completed Operations \$1,000,000

Personal and Advertising Injury \$1,000,000

Each Occurrence \$1,000,000

Fire Damage (Any one fire) \$ 50,000

Medical Expense (Any one person) \$ 5,000

#### BUSINESS AUTO LIABILITY (including All Owned, Non-owned, and Hired Vehicles):

Combined Single Limit \$1,000,000

OR

Bodily Injury & Property Damage (each) \$750,000

#### WORKER'S COMPENSATION:

State Statutory

Employers Liability \$100,000 Per Acc.

\$500,000 Disease, Policy Limit; \$100,000 Disease, Each Employee

(4) Required Documentation. (a) Prior to commencement of the work, contractor shall provide to the District a signed, original certificate of liability insurance (ACORD 25). The certificate shall identify the types of insurance,

state the limits of liability for each type of coverage, include a provision for 30 days notice prior to cancellation, name every applicable using governmental unit (as identified on the cover page) as a Certificate Holder, provide that the general aggregate limit applies per project, and provide that coverage is written on an occurrence basis. (b) Prior to commencement of the work, contractor shall provide to the District a written endorsement to the contractor's general liability insurance policy that (i) names the District as an additional insured, (ii) provides that no material alteration, cancellation, non-renewal, or expiration of the coverage contained in such policy shall have effect unless the named governmental unit(s) has been given at least thirty (30) days prior written notice, and (iii) provides that the Contractor's liability insurance policy shall be primary, with any liability insurance of the District as secondary and noncontributory. (c) Both the certificate and the endorsement must be received directly from either the contractor's insurance agent or the insurance company.

(5) Contractor shall provide a minimum of thirty (30) days written notice to the District of any proposed reduction of coverage limits (on account of revised limits or claims paid under the General Aggregate) or any substitution of insurance carriers.

(6) The District's failure to demand either a certificate of insurance or written endorsement required by this paragraph is not a waiver of contractor's obligations to obtain the required insurance.

#### INDEMNIFICATION - THIRD PARTY CLAIMS

Notwithstanding any limitation in this agreement, Contractor shall defend and indemnify the District, its instrumentalities, agencies, departments, boards, and all their respective officers, agents and employees against all suits or claims of any nature (and all damages, settlement payments, attorneys' fees, costs, expenses, losses or liabilities attributable thereto) by any third party which arise out of, or result in any way from, any defect in the goods or services acquired hereunder or from any act or omission of Contractor, its subcontractors, their employees, workmen, servants or agents. Contractor shall be given written notice of any suit or claim. The District shall allow the Contractor to defend such claim so long as such defense is diligently and capably prosecuted through legal counsel. The District shall allow the Contractor to settle such suit or claim so long as (i) all settlement payments are made by (and any deferred settlement payments are the sole liability of) Contractor, and (ii) the settlement imposes no non-monetary obligation upon the District. The District shall not admit liability or agree to a settlement or other disposition of the suit or claim, in whole or in part, without the prior written consent of Contractor. The District shall reasonably cooperate with the Contractor's defense of such suit or claim. The obligations of this paragraph shall survive termination of the parties' agreement.

#### ASSIGNMENT

No solicitation response, contract or any of its provisions may be assigned, sublet, or transferred without the prior written consent of the District.

#### PAYMENT

The District shall pay the Contractor, after the submission of proper invoices or vouchers, the prices stipulated in this contract for supplies delivered and accepted or services rendered and accepted, less any deductions provided in this contract. Unless otherwise specified in this contract, including the purchase order, payment shall not be made on partial deliveries accepted by the District.

#### INTELLECTUAL PROPERTY INFRINGEMENT

(a) Without limitation and notwithstanding any provision in this agreement, Contractor shall, upon receipt of notification, defend and indemnify the District, its instrumentalities, agencies, departments, boards, and all their respective officers, agents and employees against all actions, proceedings or claims of any nature (and all damages, settlement payments, attorneys' fees (including inside counsel), costs, expenses, losses or liabilities attributable thereto) by any third party asserting or involving an IP right related to an acquired item. The District shall allow the Contractor to defend such claim so long as the defense is diligently and capably prosecuted. The District shall allow the Contractor to settle such claim so long as (i) all settlement payments are made by Contractor, and (ii) the settlement imposes no non-monetary obligation upon the District. The District shall reasonably cooperate with Contractor's defense of such claim. (b) In the event an injunction or order shall be obtained against the District's use of any acquired item, or if in the Contractor's opinion, the acquired item is likely to become the subject of a claim of infringement or violation of an IP right, the Contractor shall, without in any way limiting the foregoing, and at its expense, either: (1) procure for the District the right to continue to use, or have used, the acquired item, or (2) replace or modify the acquired item so that it becomes non-infringing but only if the modification or replacement does not adversely affect the specifications for the acquired item or its use by the District. If neither (1) nor (2), above, is practical, the District may require that the Contractor remove the acquired item from the District, refund to the District any charge(s) paid by the District, and take all steps necessary to have the District released from any further liability. (c) the Contractor's obligations under this paragraph do not apply to a claim to the extent (i) that the

claim is caused by the Contractor's compliance with specifications furnished by the District unless the Contractor knew or reasonably had prior knowledge or suspected its compliance with the District's specifications would infringe an IP right, or (ii) that the claim is caused by the Contractor's compliance with specifications furnished by the District if the District knowingly relied on a third party's IP right to develop the specifications provided to the Contractor and failed to identify such product to the Contractor. (d) As used in this paragraph, these terms are defined as follows: "IP right(s)" means a patent, copyright, trademark, trade secret, or any other proprietary right. "Acquired item(s)" means the rights, goods, or services furnished under this agreement. "Specification(s)" means a detailed, exact statement of particulars such as a statement prescribing materials, dimensions, and quality of work. (e) Contractor's obligations under this clause shall survive the termination, cancellation, rejection, or expiration of this Agreement.

#### OWNERSHIP OF DATA & MATERIALS

All data, information, material and documentation either specially prepared by Contractor for the District or provided by the District pursuant to this solicitation shall belong exclusively to the District.

#### PRIVACY – WEB SERVICES

The offeror agrees that any information acquired by about individuals or businesses which are available to the offeror as a result of the performance of this solicitation award/contract shall not be retained beyond the end of the term of the contracted project without the express written consent of the District. Such information shall not be sold, traded, or released in any form to another entity, including affiliates, and shall not be used for any purpose other than performing this contract. Upon request, the contractor shall provide written confirmation of compliance with this clause.

#### PROPRIETARY SOFTWARE (WHEN APPLICABLE)

##### Definition

Proprietary software is defined as data programs, non-custom written, non-made for hire software supplied by the contractor on a magnetic tape, disk, semiconductor device or other memory device; or system memory including hard wired logic instructions, microcode and documentation used to describe, maintain and use the programs.

##### License

The District is hereby granted a non-exclusive, fully paid perpetual license to use the contractor's proprietary software associated with the materials and/or hardware acquired, but only in conjunction with the material, equipment and/or service purchased pursuant to this Agreement.

##### Title

Title to any proprietary software, provided by the contractor to the District will remain with the contractor.

##### Trade Secrets

The District agrees that proprietary software is a trade secret of the contractor. The District agrees to take reasonable precautions to protect the trade secret nature of the proprietary software and to prevent its disclosure to unauthorized personnel. The license herein granted cannot be transferred, assigned, or made available by the District for use by any other individual, firm, partnership, or legal entity not affiliated, associated, or connected with the District without the prior expressed written consent of the contractor, which consent will not be unreasonably withheld. Such transfer shall also be conditioned upon the execution by the transferee of a written declaration agreeing to be bound by the terms and conditions of confidentiality provided for in this section.

##### Source Code

In the event the contractor, at any point during the continued installation and operation of the equipment herein acquired, discontinues the conduct of business, or for any reason fails to continue to support the proprietary software; the District will be provided a copy of the source code for said proprietary software, at no expense to the District.

Escrow for Source Code: In the event the contractor at any point during the continued installation and operation of the software herein acquired discontinues the conduct of business or for any other reason fails to continue to support the software, the District shall be provided a copy of the source code for said software within thirty days at no expense to the District.

For the effective term of this contract, contractor will provide, to a mutually agreed upon escrow agent in the United States, the most recent version of the source code on magnetic media. The proprietary source code shall be deposited into the escrow account within fifteen (15) calendar days of the initiation of the contract, or any major update, non-customized enhancement, version or release of said licensed software.

The source code may be accessed only upon the following conditions:

- a. The contractor refuses to provide software maintenance, bug fixes, upgrades, updates and/or enhancement services under the terms set forth in this contract or as generally provided similarly situated customers; or
- b. The contractor ceases to do business or exist as a valid business entity, as evidenced by an adjudication of bankruptcy or other definitive measure of cessation of operations.

With regards to proprietary software, the District may not sell, assign lease, or otherwise provide said source code(s) to any other person, firm or entity, regardless of modification, without the express written consent of the contractor, its successors, and assigns.

### CUSTOMIZED SOFTWARE

#### Definition

Customized software is defined as made-for-hire, custom written and customer specific computer programs developed for the District by the contractor or by employees or agents of the District on magnetic tape, disk, semiconductor device or their memory device or system memory including hard wired logic instructions, microcode; and documentation used to describe, maintain and use the programs and any and all of the foregoing created in conjunction with this contract.

#### Title

Title to the customized software rests in the District as set forth herein. The contractor shall thereafter have no right, title or interest in any customized software. As herein used, title includes providing to the District all intellectual elements of the customized software including, but not limited to, developmental, work product, notes, object and source codes and any other items or material regardless of form which would aid the District in understanding, using, maintaining, and enhancing the pertinent customized software.

#### Software Tools

The contractor shall provide to the District, simultaneous with its initial installation and any subsequent enhancements, upgrades, modifications, “patches”, fixes, etc., software tools (including, but not limited to compilers, editors, etc.) that the District may require to maintain or to enhance the customized software. The price for said tools and the cost to train District personnel to maintain and/or to enhance the customized software shall be noted separately and included in the contractor’s cost bid/proposal submitted to the District in response to the solicitation.

#### ETHICS ACT

By submitting an offer, the vendor certifies that it is in compliance with South Carolina’s Ethics, Government Accountability, and Campaign Reform Act of 1991, as amended. The following statutes require special attention: (a) Offering, giving, soliciting, or receiving anything of value to influence action of a public employee – Section 8-13-790, (b) Recovery of kickbacks – Section 8-13-790, (c) Offering, soliciting, or receiving money for advice or assistance of a public official – Section 8-13-720, (d) Use or disclosure of confidential information – Section 8-13-725, and (e) Persons hired to assist in the preparation of specifications or evaluation of bids/proposals – Section 8-13-1150.

Any questions regarding the aforementioned General Terms and Conditions shall be directed to The School District of Greenville County Procurement Department, 2 Space Drive, Taylors, South Carolina 29687, (864) 355-1279.  
Rev. 2 17.



# AIA<sup>®</sup> Document A201<sup>™</sup> – 2017

## General Conditions of the Contract for Construction

### for the following PROJECT:

*(Name and location or address)*

Sevier Middle  
1000 Piedmont Park Rd.  
Greenville, SC 29609

### THE OWNER:

*(Name, legal status and address)*

Greenville County Schools  
Facilities Department  
2 Space Drive  
Taylors, South Carolina 29687

### THE ARCHITECT:

*(Name, legal status and address)*

Wolf Trail Engineering  
1001 Lancaster Av  
Monore, NC 28112

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This document has important legal consequences.

Consultation with an attorney is encouraged with respect to its completion or modification.

For guidance in modifying this document to include supplementary conditions, see AIA Document A503<sup>™</sup>, Guide for Supplementary Conditions.

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## ARTICLE 1 GENERAL PROVISIONS

### § 1.1 Basic Definitions

#### § 1.1.1 The Contract Documents

The Contract Documents are enumerated in the Agreement between the Owner and Contractor (hereinafter the Agreement) and consist of the Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to execution of the Contract, other documents listed in the Agreement, and Modifications issued after execution of the Contract. A Modification is (1) a written amendment to the Contract signed by both parties, (2) a Change Order, (3) a Construction Change Directive, or (4) a written order for a minor change in the Work issued by the Architect. Unless specifically enumerated in the Agreement, the Contract Documents do not include the advertisement or invitation to bid, Instructions to Bidders, sample forms, other information furnished by the Owner in anticipation of receiving bids or proposals, the Contractor's bid or proposal, or portions of Addenda relating to bidding or proposal requirements.

#### § 1.1.2 The Contract

The Contract Documents form the Contract for Construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind (1) between the Contractor and the Architect or the Architect's consultants, (2) between the Owner and a Subcontractor or a Sub-subcontractor, (3) between the Owner and the Architect or the Architect's consultants, or (4) between any persons or entities other than the Owner and the Contractor. The Architect shall, however, be entitled to performance and enforcement of obligations under the Contract intended to facilitate performance of the Architect's duties.

#### § 1.1.3 The Work

The term "Work" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment, and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

#### § 1.1.4 The Project

The Project is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner and by Separate Contractors.

#### § 1.1.5 The Drawings

The Drawings are the graphic and pictorial portions of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.

#### § 1.1.6 The Specifications

The Specifications are that portion of the Contract Documents consisting of the written requirements for materials, equipment, systems, standards and workmanship for the Work, and performance of related services.

#### § 1.1.7 Instruments of Service

Instruments of Service are representations, in any medium of expression now known or later developed, of the tangible and intangible creative work performed by the Architect and the Architect's consultants under their respective professional services agreements. Instruments of Service may include, without limitation, studies, surveys, models, sketches, drawings, specifications, and other similar materials.

#### § 1.1.8 Initial Decision Maker

The Initial Decision Maker is the person identified in the Agreement to render initial decisions on Claims in accordance with Section 15.2. The Initial Decision Maker shall not show partiality to the Owner or Contractor and shall not be liable for results of interpretations or decisions rendered in good faith.

### § 1.2 Correlation and Intent of the Contract Documents

§ 1.2.1 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results.

**§ 1.2.1.1** The invalidity of any provision of the Contract Documents shall not invalidate the Contract or its remaining provisions. If it is determined that any provision of the Contract Documents violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Contract Documents shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Contract.

**§ 1.2.2** Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

**§ 1.2.3** Unless otherwise stated in the Contract Documents, words that have well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings.

### **§ 1.3 Capitalization**

Terms capitalized in these General Conditions include those that are (1) specifically defined, (2) the titles of numbered articles, or (3) the titles of other documents published by the American Institute of Architects.

### **§ 1.4 Interpretation**

In the interest of brevity the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

### **§ 1.5 Ownership and Use of Drawings, Specifications, and Other Instruments of Service**

**§ 1.5.1** The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and retain all common law, statutory, and other reserved rights in their Instruments of Service, including copyrights. The Contractor, Subcontractors, Sub-subcontractors, and suppliers shall not own or claim a copyright in the Instruments of Service. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with the Project is not to be construed as publication in derogation of the Architect's or Architect's consultants' reserved rights.

**§ 1.5.2** The Contractor, Subcontractors, Sub-subcontractors, and suppliers are authorized to use and reproduce the Instruments of Service provided to them, subject to any protocols established pursuant to Sections 1.7 and 1.8, solely and exclusively for execution of the Work. All copies made under this authorization shall bear the copyright notice, if any, shown on the Instruments of Service. The Contractor, Subcontractors, Sub-subcontractors, and suppliers may not use the Instruments of Service on other projects or for additions to the Project outside the scope of the Work without the specific written consent of the Owner, Architect, and the Architect's consultants.

### **§ 1.6 Notice**

**§ 1.6.1** Except as otherwise provided in Section 1.6.2, where the Contract Documents require one party to notify or give notice to the other party, such notice shall be provided in writing to the designated representative of the party to whom the notice is addressed and shall be deemed to have been duly served if delivered in person, by mail, by courier, or by electronic transmission if a method for electronic transmission is set forth in the Agreement.

**§ 1.6.2** Notice of Claims as provided in Section 15.1.3 shall be provided in writing and shall be deemed to have been duly served only if delivered to the designated representative of the party to whom the notice is addressed by certified or registered mail, or by courier providing proof of delivery.

### **§ 1.7 Digital Data Use and Transmission**

The parties shall agree upon protocols governing the transmission and use of Instruments of Service or any other information or documentation in digital form. The parties will use AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, to establish the protocols for the development, use, transmission, and exchange of digital data.

### **§ 1.8 Building Information Models Use and Reliance**

Any use of, or reliance on, all or a portion of a building information model without agreement to protocols governing the use of, and reliance on, the information contained in the model and without having those protocols set forth in AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, and the requisite AIA Document G202™–2013, Project Building Information Modeling Protocol Form, shall be at the using or relying party's sole risk

and without liability to the other party and its contractors or consultants, the authors of, or contributors to, the building information model, and each of their agents and employees.

## **ARTICLE 2 OWNER**

### **§ 2.1 General**

**§ 2.1.1** The Owner is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Owner shall designate in writing a representative who shall have express authority to bind the Owner with respect to all matters requiring the Owner's approval or authorization. Except as otherwise provided in Section 4.2.1, the Architect does not have such authority. The term "Owner" means the Owner or the Owner's authorized representative.

**§ 2.1.2** The Owner shall furnish to the Contractor, within fifteen days after receipt of a written request, information necessary and relevant for the Contractor to evaluate, give notice of, or enforce mechanic's lien rights. Such information shall include a correct statement of the record legal title to the property on which the Project is located, usually referred to as the site, and the Owner's interest therein.

### **§ 2.2 Evidence of the Owner's Financial Arrangements**

**§ 2.2.1** Prior to commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. The Contractor shall have no obligation to commence the Work until the Owner provides such evidence. If commencement of the Work is delayed under this Section 2.2.1, the Contract Time shall be extended appropriately.

**§ 2.2.2** Following commencement of the Work and upon written request by the Contractor, the Owner shall furnish to the Contractor reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract only if (1) the Owner fails to make payments to the Contractor as the Contract Documents require; (2) the Contractor identifies in writing a reasonable concern regarding the Owner's ability to make payment when due; or (3) a change in the Work materially changes the Contract Sum. If the Owner fails to provide such evidence, as required, within fourteen days of the Contractor's request, the Contractor may immediately stop the Work and, in that event, shall notify the Owner that the Work has stopped. However, if the request is made because a change in the Work materially changes the Contract Sum under (3) above, the Contractor may immediately stop only that portion of the Work affected by the change until reasonable evidence is provided. If the Work is stopped under this Section 2.2.2, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided in the Contract Documents.

**§ 2.2.3** After the Owner furnishes evidence of financial arrangements under this Section 2.2, the Owner shall not materially vary such financial arrangements without prior notice to the Contractor.

**§ 2.2.4** Where the Owner has designated information furnished under this Section 2.2 as "confidential," the Contractor shall keep the information confidential and shall not disclose it to any other person. However, the Contractor may disclose "confidential" information, after seven (7) days' notice to the Owner, where disclosure is required by law, including a subpoena or other form of compulsory legal process issued by a court or governmental entity, or by court or arbitrator(s) order. The Contractor may also disclose "confidential" information to its employees, consultants, sureties, Subcontractors and their employees, Sub-subcontractors, and others who need to know the content of such information solely and exclusively for the Project and who agree to maintain the confidentiality of such information.

### **§ 2.3 Information and Services Required of the Owner**

**§ 2.3.1** Except for permits and fees that are the responsibility of the Contractor under the Contract Documents, including those required under Section 3.7.1, the Owner shall secure and pay for necessary approvals, easements, assessments and charges required for construction, use or occupancy of permanent structures or for permanent changes in existing facilities.

**§ 2.3.2** The Owner shall retain an architect lawfully licensed to practice architecture, or an entity lawfully practicing architecture, in the jurisdiction where the Project is located. That person or entity is identified as the Architect in the Agreement and is referred to throughout the Contract Documents as if singular in number.

**§ 2.3.3** If the employment of the Architect terminates, the Owner shall employ a successor to whom the Contractor has no reasonable objection and whose status under the Contract Documents shall be that of the Architect.

**§ 2.3.4** The Owner shall furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a legal description of the site. The Contractor shall be entitled to rely on the accuracy of information furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

**§ 2.3.5** The Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Contractor's performance of the Work with reasonable promptness after receiving the Contractor's written request for such information or services.

**§ 2.3.6** Unless otherwise provided in the Contract Documents, the Owner shall furnish to the Contractor one copy of the Contract Documents for purposes of making reproductions pursuant to Section 1.5.2.

#### **§ 2.4 Owner's Right to Stop the Work**

If the Contractor fails to correct Work that is not in accordance with the requirements of the Contract Documents as required by Section 12.2 or repeatedly fails to carry out Work in accordance with the Contract Documents, the Owner may issue a written order to the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity, except to the extent required by Section 6.1.3.

#### **§ 2.5 Owner's Right to Carry Out the Work**

If the Contractor defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a ten-day period after receipt of notice from the Owner to commence and continue correction of such default or neglect with diligence and promptness, the Owner may, without prejudice to other remedies the Owner may have, correct such default or neglect. Such action by the Owner and amounts charged to the Contractor are both subject to prior approval of the Architect and the Architect may, pursuant to Section 9.5.1, withhold or nullify a Certificate for Payment in whole or in part, to the extent reasonably necessary to reimburse the Owner for the reasonable cost of correcting such deficiencies, including Owner's expenses and compensation for the Architect's additional services made necessary by such default, neglect, or failure. If current and future payments are not sufficient to cover such amounts, the Contractor shall pay the difference to the Owner. If the Contractor disagrees with the actions of the Owner or the Architect, or the amounts claimed as costs to the Owner, the Contractor may file a Claim pursuant to Article 15.

### **ARTICLE 3 CONTRACTOR**

#### **§ 3.1 General**

**§ 3.1.1** The Contractor is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The Contractor shall be lawfully licensed, if required in the jurisdiction where the Project is located. The Contractor shall designate in writing a representative who shall have express authority to bind the Contractor with respect to all matters under this Contract. The term "Contractor" means the Contractor or the Contractor's authorized representative.

**§ 3.1.2** The Contractor shall perform the Work in accordance with the Contract Documents.

**§ 3.1.3** The Contractor shall not be relieved of its obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract, or by tests, inspections or approvals required or performed by persons or entities other than the Contractor.

#### **§ 3.2 Review of Contract Documents and Field Conditions by Contractor**

**§ 3.2.1** Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become generally familiar with local conditions under which the Work is to be performed, and correlated personal observations with requirements of the Contract Documents.

**§ 3.2.2** Because the Contract Documents are complementary, the Contractor shall, before starting each portion of the Work, carefully study and compare the various Contract Documents relative to that portion of the Work, as well as the information furnished by the Owner pursuant to Section 2.3.4, shall take field measurements of any existing conditions related to that portion of the Work, and shall observe any conditions at the site affecting it. These obligations are for the purpose of facilitating coordination and construction by the Contractor and are not for the purpose of discovering errors, omissions, or inconsistencies in the Contract Documents; however, the Contractor shall promptly report to the Architect any errors, inconsistencies or omissions discovered by or made known to the Contractor as a request for information in

such form as the Architect may require. It is recognized that the Contractor's review is made in the Contractor's capacity as a contractor and not as a licensed design professional, unless otherwise specifically provided in the Contract Documents.

**§ 3.2.3** The Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Contractor shall promptly report to the Architect any nonconformity discovered by or made known to the Contractor as a request for information in such form as the Architect may require.

**§ 3.2.4** If the Contractor believes that additional cost or time is involved because of clarifications or instructions the Architect issues in response to the Contractor's notices or requests for information pursuant to Sections 3.2.2 or 3.2.3, the Contractor shall submit Claims as provided in Article 15. If the Contractor fails to perform the obligations of Sections 3.2.2 or 3.2.3, the Contractor shall pay such costs and damages to the Owner, subject to Section 15.1.7, as would have been avoided if the Contractor had performed such obligations. If the Contractor performs those obligations, the Contractor shall not be liable to the Owner or Architect for damages resulting from errors, inconsistencies or omissions in the Contract Documents, for differences between field measurements or conditions and the Contract Documents, or for nonconformities of the Contract Documents to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities.

### **§ 3.3 Supervision and Construction Procedures**

**§ 3.3.1** The Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for, and have control over, construction means, methods, techniques, sequences, and procedures, and for coordinating all portions of the Work under the Contract. If the Contract Documents give specific instructions concerning construction means, methods, techniques, sequences, or procedures, the Contractor shall evaluate the jobsite safety thereof and shall be solely responsible for the jobsite safety of such means, methods, techniques, sequences, or procedures. If the Contractor determines that such means, methods, techniques, sequences or procedures may not be safe, the Contractor shall give timely notice to the Owner and Architect, and shall propose alternative means, methods, techniques, sequences, or procedures. The Architect shall evaluate the proposed alternative solely for conformance with the design intent for the completed construction. Unless the Architect objects to the Contractor's proposed alternative, the Contractor shall perform the Work using its alternative means, methods, techniques, sequences, or procedures.

**§ 3.3.2** The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons or entities performing portions of the Work for, or on behalf of, the Contractor or any of its Subcontractors.

**§ 3.3.3** The Contractor shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.

### **§ 3.4 Labor and Materials**

**§ 3.4.1** Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

**§ 3.4.2** Except in the case of minor changes in the Work approved by the Architect in accordance with Section 3.12.8 or ordered by the Architect in accordance with Section 7.4, the Contractor may make substitutions only with the consent of the Owner, after evaluation by the Architect and in accordance with a Change Order or Construction Change Directive.

**§ 3.4.3** The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of unfit persons or persons not properly skilled in tasks assigned to them.

### **§ 3.5 Warranty**

**§ 3.5.1** The Contractor warrants to the Owner and Architect that materials and equipment furnished under the Contract will be of good quality and new unless the Contract Documents require or permit otherwise. The Contractor further warrants that the Work will conform to the requirements of the Contract Documents and will be free from defects, except for those inherent in the quality of the Work the Contract Documents require or permit. Work, materials, or

equipment not conforming to these requirements may be considered defective. The Contractor's warranty excludes remedy for damage or defect caused by abuse, alterations to the Work not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by the Architect, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

**§ 3.5.2** All material, equipment, or other special warranties required by the Contract Documents shall be issued in the name of the Owner, or shall be transferable to the Owner, and shall commence in accordance with Section 9.8.4.

### **§ 3.6 Taxes**

The Contractor shall pay sales, consumer, use and similar taxes for the Work provided by the Contractor that are legally enacted when bids are received or negotiations concluded, whether or not yet effective or merely scheduled to go into effect.

### **§ 3.7 Permits, Fees, Notices and Compliance with Laws**

**§ 3.7.1** Unless otherwise provided in the Contract Documents, the Contractor shall secure and pay for the building permit as well as for other permits, fees, licenses, and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Contract and legally required at the time bids are received or negotiations concluded.

**§ 3.7.2** The Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work.

**§ 3.7.3** If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

### **§ 3.7.4 Concealed or Unknown Conditions**

If the Contractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, the Contractor shall promptly provide notice to the Owner and the Architect before conditions are disturbed and in no event later than 14 days after first observance of the conditions. The Architect will promptly investigate such conditions and, if the Architect determines that they differ materially and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work, will recommend that an equitable adjustment be made in the Contract Sum or Contract Time, or both. If the Architect determines that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, the Architect shall promptly notify the Owner and Contractor, stating the reasons. If either party disputes the Architect's determination or recommendation, that party may submit a Claim as provided in Article 15.

**§ 3.7.5** If, in the course of the Work, the Contractor encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, the Contractor shall immediately suspend any operations that would affect them and shall notify the Owner and Architect. Upon receipt of such notice, the Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. The Contractor shall continue to suspend such operations until otherwise instructed by the Owner but shall continue with all other operations that do not affect those remains or features. Requests for adjustments in the Contract Sum and Contract Time arising from the existence of such remains or features may be made as provided in Article 15.

### **§ 3.8 Allowances**

**§ 3.8.1** The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities to whom the Contractor has reasonable objection.

**§ 3.8.2** Unless otherwise provided in the Contract Documents,

- .1 allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;

- .2 Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit, and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowances; and
- .3 whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect (1) the difference between actual costs and the allowances under Section 3.8.2.1 and (2) changes in Contractor's costs under Section 3.8.2.2.

**§ 3.8.3** Materials and equipment under an allowance shall be selected by the Owner with reasonable promptness.

### **§ 3.9 Superintendent**

**§ 3.9.1** The Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall represent the Contractor, and communications given to the superintendent shall be as binding as if given to the Contractor.

**§ 3.9.2** The Contractor, as soon as practicable after award of the Contract, shall notify the Owner and Architect of the name and qualifications of a proposed superintendent. Within 14 days of receipt of the information, the Architect may notify the Contractor, stating whether the Owner or the Architect (1) has reasonable objection to the proposed superintendent or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

**§ 3.9.3** The Contractor shall not employ a proposed superintendent to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not change the superintendent without the Owner's consent, which shall not unreasonably be withheld or delayed.

### **§ 3.10 Contractor's Construction and Submittal Schedules**

**§ 3.10.1** The Contractor, promptly after being awarded the Contract, shall submit for the Owner's and Architect's information a Contractor's construction schedule for the Work. The schedule shall contain detail appropriate for the Project, including (1) the date of commencement of the Work, interim schedule milestone dates, and the date of Substantial Completion; (2) an apportionment of the Work by construction activity; and (3) the time required for completion of each portion of the Work. The schedule shall provide for the orderly progression of the Work to completion and shall not exceed time limits current under the Contract Documents. The schedule shall be revised at appropriate intervals as required by the conditions of the Work and Project.

**§ 3.10.2** The Contractor, promptly after being awarded the Contract and thereafter as necessary to maintain a current submittal schedule, shall submit a submittal schedule for the Architect's approval. The Architect's approval shall not be unreasonably delayed or withheld. The submittal schedule shall (1) be coordinated with the Contractor's construction schedule, and (2) allow the Architect reasonable time to review submittals. If the Contractor fails to submit a submittal schedule, or fails to provide submittals in accordance with the approved submittal schedule, the Contractor shall not be entitled to any increase in Contract Sum or extension of Contract Time based on the time required for review of submittals.

**§ 3.10.3** The Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Architect.

### **§ 3.11 Documents and Samples at the Site**

The Contractor shall make available, at the Project site, the Contract Documents, including Change Orders, Construction Change Directives, and other Modifications, in good order and marked currently to indicate field changes and selections made during construction, and the approved Shop Drawings, Product Data, Samples, and similar required submittals. These shall be in electronic form or paper copy, available to the Architect and Owner, and delivered to the Architect for submittal to the Owner upon completion of the Work as a record of the Work as constructed.

### **§ 3.12 Shop Drawings, Product Data and Samples**

**§ 3.12.1** Shop Drawings are drawings, diagrams, schedules, and other data specially prepared for the Work by the Contractor or a Subcontractor, Sub-subcontractor, manufacturer, supplier, or distributor to illustrate some portion of the Work.

**§ 3.12.2** Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by the Contractor to illustrate materials or equipment for some portion of the Work.

**§ 3.12.3** Samples are physical examples that illustrate materials, equipment, or workmanship, and establish standards by which the Work will be judged.

**§ 3.12.4** Shop Drawings, Product Data, Samples, and similar submittals are not Contract Documents. Their purpose is to demonstrate how the Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents for those portions of the Work for which the Contract Documents require submittals. Review by the Architect is subject to the limitations of Section 4.2.7. Informational submittals upon which the Architect is not expected to take responsive action may be so identified in the Contract Documents. Submittals that are not required by the Contract Documents may be returned by the Architect without action.

**§ 3.12.5** The Contractor shall review for compliance with the Contract Documents, approve, and submit to the Architect, Shop Drawings, Product Data, Samples, and similar submittals required by the Contract Documents, in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of the Owner or of Separate Contractors.

**§ 3.12.6** By submitting Shop Drawings, Product Data, Samples, and similar submittals, the Contractor represents to the Owner and Architect that the Contractor has (1) reviewed and approved them, (2) determined and verified materials, field measurements and field construction criteria related thereto, or will do so, and (3) checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.

**§ 3.12.7** The Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples, or similar submittals, until the respective submittal has been approved by the Architect.

**§ 3.12.8** The Work shall be in accordance with approved submittals except that the Contractor shall not be relieved of responsibility for deviations from the requirements of the Contract Documents by the Architect's approval of Shop Drawings, Product Data, Samples, or similar submittals, unless the Contractor has specifically notified the Architect of such deviation at the time of submittal and (1) the Architect has given written approval to the specific deviation as a minor change in the Work, or (2) a Change Order or Construction Change Directive has been issued authorizing the deviation. The Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples, or similar submittals, by the Architect's approval thereof.

**§ 3.12.9** The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples, or similar submittals, to revisions other than those requested by the Architect on previous submittals. In the absence of such notice, the Architect's approval of a resubmission shall not apply to such revisions.

**§ 3.12.10** The Contractor shall not be required to provide professional services that constitute the practice of architecture or engineering unless such services are specifically required by the Contract Documents for a portion of the Work or unless the Contractor needs to provide such services in order to carry out the Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures. The Contractor shall not be required to provide professional services in violation of applicable law.

**§ 3.12.10.1** If professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of the Contractor by the Contract Documents, the Owner and the Architect will specify all performance and design criteria that such services must satisfy. The Contractor shall be entitled to rely upon the adequacy and accuracy of the performance and design criteria provided in the Contract Documents. The Contractor shall cause such services or certifications to be provided by an appropriately licensed design professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings, and other submittals prepared by such professional. Shop Drawings, and other submittals related to the Work, designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to the Architect. The Owner and the Architect shall be entitled to rely upon the adequacy and accuracy of the services, certifications, and approvals performed or provided by such design professionals, provided the Owner and Architect have specified to the Contractor the performance and design criteria that such services must satisfy. Pursuant to this Section 3.12.10, the Architect will review and approve or take other appropriate action on submittals only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents.

**§ 3.12.10.2** If the Contract Documents require the Contractor's design professional to certify that the Work has been performed in accordance with the design criteria, the Contractor shall furnish such certifications to the Architect at the time and in the form specified by the Architect.

### **§ 3.13 Use of Site**

The Contractor shall confine operations at the site to areas permitted by applicable laws, statutes, ordinances, codes, rules and regulations, lawful orders of public authorities, and the Contract Documents and shall not unreasonably encumber the site with materials or equipment.

### **§ 3.14 Cutting and Patching**

**§ 3.14.1** The Contractor shall be responsible for cutting, fitting, or patching required to complete the Work or to make its parts fit together properly. All areas requiring cutting, fitting, or patching shall be restored to the condition existing prior to the cutting, fitting, or patching, unless otherwise required by the Contract Documents.

**§ 3.14.2** The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or Separate Contractors by cutting, patching, or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter construction by the Owner or a Separate Contractor except with written consent of the Owner and of the Separate Contractor. Consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold, from the Owner or a Separate Contractor, its consent to cutting or otherwise altering the Work.

### **§ 3.15 Cleaning Up**

**§ 3.15.1** The Contractor shall keep the premises and surrounding area free from accumulation of waste materials and rubbish caused by operations under the Contract. At completion of the Work, the Contractor shall remove waste materials, rubbish, the Contractor's tools, construction equipment, machinery, and surplus materials from and about the Project.

**§ 3.15.2** If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so and the Owner shall be entitled to reimbursement from the Contractor.

### **§ 3.16 Access to Work**

The Contractor shall provide the Owner and Architect with access to the Work in preparation and progress wherever located.

### **§ 3.17 Royalties, Patents and Copyrights**

The Contractor shall pay all royalties and license fees. The Contractor shall defend suits or claims for infringement of copyrights and patent rights and shall hold the Owner and Architect harmless from loss on account thereof, but shall not be responsible for defense or loss when a particular design, process, or product of a particular manufacturer or manufacturers is required by the Contract Documents, or where the copyright violations are contained in Drawings, Specifications, or other documents prepared by the Owner or Architect. However, if an infringement of a copyright or patent is discovered by, or made known to, the Contractor, the Contractor shall be responsible for the loss unless the information is promptly furnished to the Architect.

### **§ 3.18 Indemnification**

**§ 3.18.1** To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused by the negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section 3.18.

**§ 3.18.2** In claims against any person or entity indemnified under this Section 3.18 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification obligation under Section 3.18.1 shall not be limited by a limitation on amount or type of damages,

compensation, or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

## **ARTICLE 4 ARCHITECT**

### **§ 4.1 General**

**§ 4.1.1** The Architect is the person or entity retained by the Owner pursuant to Section 2.3.2 and identified as such in the Agreement.

**§ 4.1.2** Duties, responsibilities, and limitations of authority of the Architect as set forth in the Contract Documents shall not be restricted, modified, or extended without written consent of the Owner, Contractor, and Architect. Consent shall not be unreasonably withheld.

### **§ 4.2 Administration of the Contract**

**§ 4.2.1** The Architect will provide administration of the Contract as described in the Contract Documents and will be an Owner's representative during construction until the date the Architect issues the final Certificate for Payment. The Architect will have authority to act on behalf of the Owner only to the extent provided in the Contract Documents.

**§ 4.2.2** The Architect will visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Owner, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine in general if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. The Architect will not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for the safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities under the Contract Documents.

**§ 4.2.3** On the basis of the site visits, the Architect will keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and promptly report to the Owner (1) known deviations from the Contract Documents, (2) known deviations from the most recent construction schedule submitted by the Contractor, and (3) defects and deficiencies observed in the Work. The Architect will not be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect will not have control over or charge of, and will not be responsible for acts or omissions of, the Contractor, Subcontractors, or their agents or employees, or any other persons or entities performing portions of the Work.

### **§ 4.2.4 Communications**

The Owner and Contractor shall include the Architect in all communications that relate to or affect the Architect's services or professional responsibilities. The Owner shall promptly notify the Architect of the substance of any direct communications between the Owner and the Contractor otherwise relating to the Project. Communications by and with the Architect's consultants shall be through the Architect. Communications by and with Subcontractors and suppliers shall be through the Contractor. Communications by and with Separate Contractors shall be through the Owner. The Contract Documents may specify other communication protocols.

**§ 4.2.5** Based on the Architect's evaluations of the Contractor's Applications for Payment, the Architect will review and certify the amounts due the Contractor and will issue Certificates for Payment in such amounts.

**§ 4.2.6** The Architect has authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect will have authority to require inspection or testing of the Work in accordance with Sections 13.4.2 and 13.4.3, whether or not the Work is fabricated, installed or completed. However, neither this authority of the Architect nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect to the Contractor, Subcontractors, suppliers, their agents or employees, or other persons or entities performing portions of the Work.

**§ 4.2.7** The Architect will review and approve, or take other appropriate action upon, the Contractor's submittals such as Shop Drawings, Product Data, and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Architect's action will be taken in accordance with the submittal schedule approved by the Architect or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time in the Architect's professional judgment to permit adequate review. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of

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other details such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the Contractor as required by the Contract Documents. The Architect's review of the Contractor's submittals shall not relieve the Contractor of the obligations under Sections 3.3, 3.5, and 3.12. The Architect's review shall not constitute approval of safety precautions or of any construction means, methods, techniques, sequences, or procedures. The Architect's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

**§ 4.2.8** The Architect will prepare Change Orders and Construction Change Directives, and may order minor changes in the Work as provided in Section 7.4. The Architect will investigate and make determinations and recommendations regarding concealed and unknown conditions as provided in Section 3.7.4.

**§ 4.2.9** The Architect will conduct inspections to determine the date or dates of Substantial Completion and the date of final completion; issue Certificates of Substantial Completion pursuant to Section 9.8; receive and forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract and assembled by the Contractor pursuant to Section 9.10; and issue a final Certificate for Payment pursuant to Section 9.10.

**§ 4.2.10** If the Owner and Architect agree, the Architect will provide one or more Project representatives to assist in carrying out the Architect's responsibilities at the site. The Owner shall notify the Contractor of any change in the duties, responsibilities and limitations of authority of the Project representatives.

**§ 4.2.11** The Architect will interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness.

**§ 4.2.12** Interpretations and decisions of the Architect will be consistent with the intent of, and reasonably inferable from, the Contract Documents and will be in writing or in the form of drawings. When making such interpretations and decisions, the Architect will endeavor to secure faithful performance by both Owner and Contractor, will not show partiality to either, and will not be liable for results of interpretations or decisions rendered in good faith.

**§ 4.2.13** The Architect's decisions on matters relating to aesthetic effect will be final if consistent with the intent expressed in the Contract Documents.

**§ 4.2.14** The Architect will review and respond to requests for information about the Contract Documents. The Architect's response to such requests will be made in writing within any time limits agreed upon or otherwise with reasonable promptness. If appropriate, the Architect will prepare and issue supplemental Drawings and Specifications in response to the requests for information.

## **ARTICLE 5 SUBCONTRACTORS**

### **§ 5.1 Definitions**

**§ 5.1.1** A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the Work at the site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a Separate Contractor or the subcontractors of a Separate Contractor.

**§ 5.1.2** A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work at the site. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

### **§ 5.2 Award of Subcontracts and Other Contracts for Portions of the Work**

**§ 5.2.1** Unless otherwise stated in the Contract Documents, the Contractor, as soon as practicable after award of the Contract, shall notify the Owner and Architect of the persons or entities proposed for each principal portion of the Work, including those who are to furnish materials or equipment fabricated to a special design. Within 14 days of receipt of the information, the Architect may notify the Contractor whether the Owner or the Architect (1) has reasonable objection to any such proposed person or entity or (2) requires additional time for review. Failure of the Architect to provide notice within the 14-day period shall constitute notice of no reasonable objection.

**§ 5.2.2** The Contractor shall not contract with a proposed person or entity to whom the Owner or Architect has made reasonable and timely objection. The Contractor shall not be required to contract with anyone to whom the Contractor has made reasonable objection.

**§ 5.2.3** If the Owner or Architect has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Owner or Architect has no reasonable objection. If the proposed but rejected Subcontractor was reasonably capable of performing the Work, the Contract Sum and Contract Time shall be increased or decreased by the difference, if any, occasioned by such change, and an appropriate Change Order shall be issued before commencement of the substitute Subcontractor's Work. However, no increase in the Contract Sum or Contract Time shall be allowed for such change unless the Contractor has acted promptly and responsively in submitting names as required.

**§ 5.2.4** The Contractor shall not substitute a Subcontractor, person, or entity for one previously selected if the Owner or Architect makes reasonable objection to such substitution.

### **§ 5.3 Subcontractual Relations**

By appropriate written agreement, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities, including the responsibility for safety of the Subcontractor's Work that the Contractor, by these Contract Documents, assumes toward the Owner and Architect. Each subcontract agreement shall preserve and protect the rights of the Owner and Architect under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies, and redress against the Contractor that the Contractor, by the Contract Documents, has against the Owner. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract agreement that may be at variance with the Contract Documents. Subcontractors will similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

### **§ 5.4 Contingent Assignment of Subcontracts**

**§ 5.4.1** Each subcontract agreement for a portion of the Work is assigned by the Contractor to the Owner, provided that

- .1 assignment is effective only after termination of the Contract by the Owner for cause pursuant to Section 14.2 and only for those subcontract agreements that the Owner accepts by notifying the Subcontractor and Contractor; and
- .2 assignment is subject to the prior rights of the surety, if any, obligated under bond relating to the Contract.

When the Owner accepts the assignment of a subcontract agreement, the Owner assumes the Contractor's rights and obligations under the subcontract.

**§ 5.4.2** Upon such assignment, if the Work has been suspended for more than 30 days, the Subcontractor's compensation shall be equitably adjusted for increases in cost resulting from the suspension.

**§ 5.4.3** Upon assignment to the Owner under this Section 5.4, the Owner may further assign the subcontract to a successor contractor or other entity. If the Owner assigns the subcontract to a successor contractor or other entity, the Owner shall nevertheless remain legally responsible for all of the successor contractor's obligations under the subcontract.

## **ARTICLE 6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS**

### **§ 6.1 Owner's Right to Perform Construction and to Award Separate Contracts**

**§ 6.1.1** The term "Separate Contractor(s)" shall mean other contractors retained by the Owner under separate agreements. The Owner reserves the right to perform construction or operations related to the Project with the Owner's own forces, and with Separate Contractors retained under Conditions of the Contract substantially similar to those of this Contract, including those provisions of the Conditions of the Contract related to insurance and waiver of subrogation.

**§ 6.1.2** When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term “Contractor” in the Contract Documents in each case shall mean the Contractor who executes each separate Owner-Contractor Agreement.

**§ 6.1.3** The Owner shall provide for coordination of the activities of the Owner’s own forces and of each Separate Contractor with the Work of the Contractor, who shall cooperate with them. The Contractor shall participate with any Separate Contractors and the Owner in reviewing their construction schedules. The Contractor shall make any revisions to its construction schedule deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Contractor, Separate Contractors, and the Owner until subsequently revised.

**§ 6.1.4** Unless otherwise provided in the Contract Documents, when the Owner performs construction or operations related to the Project with the Owner’s own forces or with Separate Contractors, the Owner or its Separate Contractors shall have the same obligations and rights that the Contractor has under the Conditions of the Contract, including, without excluding others, those stated in Article 3, this Article 6, and Articles 10, 11, and 12.

### **§ 6.2 Mutual Responsibility**

**§ 6.2.1** The Contractor shall afford the Owner and Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the Contractor’s construction and operations with theirs as required by the Contract Documents.

**§ 6.2.2** If part of the Contractor’s Work depends for proper execution or results upon construction or operations by the Owner or a Separate Contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly notify the Architect of apparent discrepancies or defects in the construction or operations by the Owner or Separate Contractor that would render it unsuitable for proper execution and results of the Contractor’s Work. Failure of the Contractor to notify the Architect of apparent discrepancies or defects prior to proceeding with the Work shall constitute an acknowledgment that the Owner’s or Separate Contractor’s completed or partially completed construction is fit and proper to receive the Contractor’s Work. The Contractor shall not be responsible for discrepancies or defects in the construction or operations by the Owner or Separate Contractor that are not apparent.

**§ 6.2.3** The Contractor shall reimburse the Owner for costs the Owner incurs that are payable to a Separate Contractor because of the Contractor’s delays, improperly timed activities or defective construction. The Owner shall be responsible to the Contractor for costs the Contractor incurs because of a Separate Contractor’s delays, improperly timed activities, damage to the Work or defective construction.

**§ 6.2.4** The Contractor shall promptly remedy damage that the Contractor wrongfully causes to completed or partially completed construction or to property of the Owner or Separate Contractor as provided in Section 10.2.5.

**§ 6.2.5** The Owner and each Separate Contractor shall have the same responsibilities for cutting and patching as are described for the Contractor in Section 3.14.

### **§ 6.3 Owner’s Right to Clean Up**

If a dispute arises among the Contractor, Separate Contractors, and the Owner as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the Owner may clean up and the Architect will allocate the cost among those responsible.

## **ARTICLE 7 CHANGES IN THE WORK**

### **§ 7.1 General**

**§ 7.1.1** Changes in the Work may be accomplished after execution of the Contract, and without invalidating the Contract, by Change Order, Construction Change Directive or order for a minor change in the Work, subject to the limitations stated in this Article 7 and elsewhere in the Contract Documents.

**§ 7.1.2** A Change Order shall be based upon agreement among the Owner, Contractor, and Architect. A Construction Change Directive requires agreement by the Owner and Architect and may or may not be agreed to by the Contractor. An order for a minor change in the Work may be issued by the Architect alone.

§ 7.1.3 Changes in the Work shall be performed under applicable provisions of the Contract Documents. The Contractor shall proceed promptly with changes in the Work, unless otherwise provided in the Change Order, Construction Change Directive, or order for a minor change in the Work.

## § 7.2 Change Orders

§ 7.2.1 A Change Order is a written instrument prepared by the Architect and signed by the Owner, Contractor, and Architect stating their agreement upon all of the following:

- .1 The change in the Work;
- .2 The amount of the adjustment, if any, in the Contract Sum; and
- .3 The extent of the adjustment, if any, in the Contract Time.

## § 7.3 Construction Change Directives

§ 7.3.1 A Construction Change Directive is a written order prepared by the Architect and signed by the Owner and Architect, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Sum or Contract Time, or both. The Owner may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions, the Contract Sum and Contract Time being adjusted accordingly.

§ 7.3.2 A Construction Change Directive shall be used in the absence of total agreement on the terms of a Change Order.

§ 7.3.3 If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

- .1 Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;
- .2 Unit prices stated in the Contract Documents or subsequently agreed upon;
- .3 Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or
- .4 As provided in Section 7.3.4.

§ 7.3.4 If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the Architect shall determine the adjustment on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in case of an increase in the Contract Sum, an amount for overhead and profit as set forth in the Agreement, or if no such amount is set forth in the Agreement, a reasonable amount. In such case, and also under Section 7.3.3.3, the Contractor shall keep and present, in such form as the Architect may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this Section 7.3.4 shall be limited to the following:

- .1 Costs of labor, including applicable payroll taxes, fringe benefits required by agreement or custom, workers' compensation insurance, and other employee costs approved by the Architect;
- .2 Costs of materials, supplies, and equipment, including cost of transportation, whether incorporated or consumed;
- .3 Rental costs of machinery and equipment, exclusive of hand tools, whether rented from the Contractor or others;
- .4 Costs of premiums for all bonds and insurance, permit fees, and sales, use, or similar taxes, directly related to the change; and
- .5 Costs of supervision and field office personnel directly attributable to the change.

§ 7.3.5 If the Contractor disagrees with the adjustment in the Contract Time, the Contractor may make a Claim in accordance with applicable provisions of Article 15.

§ 7.3.6 Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved and advise the Architect of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

§ 7.3.7 A Construction Change Directive signed by the Contractor indicates the Contractor's agreement therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

**§ 7.3.8** The amount of credit to be allowed by the Contractor to the Owner for a deletion or change that results in a net decrease in the Contract Sum shall be actual net cost as confirmed by the Architect. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change.

**§ 7.3.9** Pending final determination of the total cost of a Construction Change Directive to the Owner, the Contractor may request payment for Work completed under the Construction Change Directive in Applications for Payment. The Architect will make an interim determination for purposes of monthly certification for payment for those costs and certify for payment the amount that the Architect determines, in the Architect's professional judgment, to be reasonably justified. The Architect's interim determination of cost shall adjust the Contract Sum on the same basis as a Change Order, subject to the right of either party to disagree and assert a Claim in accordance with Article 15.

**§ 7.3.10** When the Owner and Contractor agree with a determination made by the Architect concerning the adjustments in the Contract Sum and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and the Architect will prepare a Change Order. Change Orders may be issued for all or any part of a Construction Change Directive.

#### **§ 7.4 Minor Changes in the Work**

The Architect may order minor changes in the Work that are consistent with the intent of the Contract Documents and do not involve an adjustment in the Contract Sum or an extension of the Contract Time. The Architect's order for minor changes shall be in writing. If the Contractor believes that the proposed minor change in the Work will affect the Contract Sum or Contract Time, the Contractor shall notify the Architect and shall not proceed to implement the change in the Work. If the Contractor performs the Work set forth in the Architect's order for a minor change without prior notice to the Architect that such change will affect the Contract Sum or Contract Time, the Contractor waives any adjustment to the Contract Sum or extension of the Contract Time.

### **ARTICLE 8 TIME**

#### **§ 8.1 Definitions**

**§ 8.1.1** Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work.

**§ 8.1.2** The date of commencement of the Work is the date established in the Agreement.

**§ 8.1.3** The date of Substantial Completion is the date certified by the Architect in accordance with Section 9.8.

**§ 8.1.4** The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

#### **§ 8.2 Progress and Completion**

**§ 8.2.1** Time limits stated in the Contract Documents are of the essence of the Contract. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

**§ 8.2.2** The Contractor shall not knowingly, except by agreement or instruction of the Owner in writing, commence the Work prior to the effective date of insurance required to be furnished by the Contractor and Owner.

**§ 8.2.3** The Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.

#### **§ 8.3 Delays and Extensions of Time**

**§ 8.3.1** If the Contractor is delayed at any time in the commencement or progress of the Work by (1) an act or neglect of the Owner or Architect, of an employee of either, or of a Separate Contractor; (2) by changes ordered in the Work; (3) by labor disputes, fire, unusual delay in deliveries, unavoidable casualties, adverse weather conditions documented in accordance with Section 15.1.6.2, or other causes beyond the Contractor's control; (4) by delay authorized by the Owner pending mediation and binding dispute resolution; or (5) by other causes that the Contractor asserts, and the Architect determines, justify delay, then the Contract Time shall be extended for such reasonable time as the Architect may determine.

**§ 8.3.2** Claims relating to time shall be made in accordance with applicable provisions of Article 15.

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§ 8.3.3 This Section 8.3 does not preclude recovery of damages for delay by either party under other provisions of the Contract Documents.

## ARTICLE 9 PAYMENTS AND COMPLETION

### § 9.1 Contract Sum

§ 9.1.1 The Contract Sum is stated in the Agreement and, including authorized adjustments, is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

§ 9.1.2 If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed so that application of such unit prices to the actual quantities causes substantial inequity to the Owner or Contractor, the applicable unit prices shall be equitably adjusted.

### § 9.2 Schedule of Values

Where the Contract is based on a stipulated sum or Guaranteed Maximum Price, the Contractor shall submit a schedule of values to the Architect before the first Application for Payment, allocating the entire Contract Sum to the various portions of the Work. The schedule of values shall be prepared in the form, and supported by the data to substantiate its accuracy, required by the Architect. This schedule, unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's Applications for Payment. Any changes to the schedule of values shall be submitted to the Architect and supported by such data to substantiate its accuracy as the Architect may require, and unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's subsequent Applications for Payment.

### § 9.3 Applications for Payment

§ 9.3.1 At least ten days before the date established for each progress payment, the Contractor shall submit to the Architect an itemized Application for Payment prepared in accordance with the schedule of values, if required under Section 9.2, for completed portions of the Work. The application shall be notarized, if required, and supported by all data substantiating the Contractor's right to payment that the Owner or Architect require, such as copies of requisitions, and releases and waivers of liens from Subcontractors and suppliers, and shall reflect retainage if provided for in the Contract Documents.

§ 9.3.1.1 As provided in Section 7.3.9, such applications may include requests for payment on account of changes in the Work that have been properly authorized by Construction Change Directives, or by interim determinations of the Architect, but not yet included in Change Orders.

§ 9.3.1.2 Applications for Payment shall not include requests for payment for portions of the Work for which the Contractor does not intend to pay a Subcontractor or supplier, unless such Work has been performed by others whom the Contractor intends to pay.

§ 9.3.2 Unless otherwise provided in the Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location agreed upon in writing. Payment for materials and equipment stored on or off the site shall be conditioned upon compliance by the Contractor with procedures satisfactory to the Owner to establish the Owner's title to such materials and equipment or otherwise protect the Owner's interest, and shall include the costs of applicable insurance, storage, and transportation to the site, for such materials and equipment stored off the site.

§ 9.3.3 The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of liens, claims, security interests, or encumbrances, in favor of the Contractor, Subcontractors, suppliers, or other persons or entities that provided labor, materials, and equipment relating to the Work.

### § 9.4 Certificates for Payment

§ 9.4.1 The Architect will, within seven days after receipt of the Contractor's Application for Payment, either (1) issue to the Owner a Certificate for Payment in the full amount of the Application for Payment, with a copy to the Contractor; or (2) issue to the Owner a Certificate for Payment for such amount as the Architect determines is properly due, and notify the Contractor and Owner of the Architect's reasons for withholding certification in part as provided in Section 9.5.1; or

(3) withhold certification of the entire Application for Payment, and notify the Contractor and Owner of the Architect's reason for withholding certification in whole as provided in Section 9.5.1.

**§ 9.4.2** The issuance of a Certificate for Payment will constitute a representation by the Architect to the Owner, based on the Architect's evaluation of the Work and the data in the Application for Payment, that, to the best of the Architect's knowledge, information, and belief, the Work has progressed to the point indicated, the quality of the Work is in accordance with the Contract Documents, and that the Contractor is entitled to payment in the amount certified. The foregoing representations are subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Contract Documents prior to completion, and to specific qualifications expressed by the Architect. However, the issuance of a Certificate for Payment will not be a representation that the Architect has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work; (2) reviewed construction means, methods, techniques, sequences, or procedures; (3) reviewed copies of requisitions received from Subcontractors and suppliers and other data requested by the Owner to substantiate the Contractor's right to payment; or (4) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

### **§ 9.5 Decisions to Withhold Certification**

**§ 9.5.1** The Architect may withhold a Certificate for Payment in whole or in part, to the extent reasonably necessary to protect the Owner, if in the Architect's opinion the representations to the Owner required by Section 9.4.2 cannot be made. If the Architect is unable to certify payment in the amount of the Application, the Architect will notify the Contractor and Owner as provided in Section 9.4.1. If the Contractor and Architect cannot agree on a revised amount, the Architect will promptly issue a Certificate for Payment for the amount for which the Architect is able to make such representations to the Owner. The Architect may also withhold a Certificate for Payment or, because of subsequently discovered evidence, may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions described in Section 3.3.2, because of

- .1 defective Work not remedied;
- .2 third party claims filed or reasonable evidence indicating probable filing of such claims, unless security acceptable to the Owner is provided by the Contractor;
- .3 failure of the Contractor to make payments properly to Subcontractors or suppliers for labor, materials or equipment;
- .4 reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum;
- .5 damage to the Owner or a Separate Contractor;
- .6 reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay; or
- .7 repeated failure to carry out the Work in accordance with the Contract Documents.

**§ 9.5.2** When either party disputes the Architect's decision regarding a Certificate for Payment under Section 9.5.1, in whole or in part, that party may submit a Claim in accordance with Article 15.

**§ 9.5.3** When the reasons for withholding certification are removed, certification will be made for amounts previously withheld.

**§ 9.5.4** If the Architect withholds certification for payment under Section 9.5.1.3, the Owner may, at its sole option, issue joint checks to the Contractor and to any Subcontractor or supplier to whom the Contractor failed to make payment for Work properly performed or material or equipment suitably delivered. If the Owner makes payments by joint check, the Owner shall notify the Architect and the Contractor shall reflect such payment on its next Application for Payment.

### **§ 9.6 Progress Payments**

**§ 9.6.1** After the Architect has issued a Certificate for Payment, the Owner shall make payment in the manner and within the time provided in the Contract Documents, and shall so notify the Architect.

**§ 9.6.2** The Contractor shall pay each Subcontractor, no later than seven days after receipt of payment from the Owner, the amount to which the Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of the Subcontractor's portion of the Work. The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

§ 9.6.3 The Architect will, on request, furnish to a Subcontractor, if practicable, information regarding percentages of completion or amounts applied for by the Contractor and action taken thereon by the Architect and Owner on account of portions of the Work done by such Subcontractor.

§ 9.6.4 The Owner has the right to request written evidence from the Contractor that the Contractor has properly paid Subcontractors and suppliers amounts paid by the Owner to the Contractor for subcontracted Work. If the Contractor fails to furnish such evidence within seven days, the Owner shall have the right to contact Subcontractors and suppliers to ascertain whether they have been properly paid. Neither the Owner nor Architect shall have an obligation to pay, or to see to the payment of money to, a Subcontractor or supplier, except as may otherwise be required by law.

§ 9.6.5 The Contractor's payments to suppliers shall be treated in a manner similar to that provided in Sections 9.6.2, 9.6.3 and 9.6.4.

§ 9.6.6 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance of Work not in accordance with the Contract Documents.

§ 9.6.7 Unless the Contractor provides the Owner with a payment bond in the full penal sum of the Contract Sum, payments received by the Contractor for Work properly performed by Subcontractors or provided by suppliers shall be held by the Contractor for those Subcontractors or suppliers who performed Work or furnished materials, or both, under contract with the Contractor for which payment was made by the Owner. Nothing contained herein shall require money to be placed in a separate account and not commingled with money of the Contractor, create any fiduciary liability or tort liability on the part of the Contractor for breach of trust, or entitle any person or entity to an award of punitive damages against the Contractor for breach of the requirements of this provision.

§ 9.6.8 Provided the Owner has fulfilled its payment obligations under the Contract Documents, the Contractor shall defend and indemnify the Owner from all loss, liability, damage or expense, including reasonable attorney's fees and litigation expenses, arising out of any lien claim or other claim for payment by any Subcontractor or supplier of any tier. Upon receipt of notice of a lien claim or other claim for payment, the Owner shall notify the Contractor. If approved by the applicable court, when required, the Contractor may substitute a surety bond for the property against which the lien or other claim for payment has been asserted.

### § 9.7 Failure of Payment

If the Architect does not issue a Certificate for Payment, through no fault of the Contractor, within seven days after receipt of the Contractor's Application for Payment, or if the Owner does not pay the Contractor within seven days after the date established in the Contract Documents, the amount certified by the Architect or awarded by binding dispute resolution, then the Contractor may, upon seven additional days' notice to the Owner and Architect, stop the Work until payment of the amount owing has been received. The Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable costs of shutdown, delay and start-up, plus interest as provided for in the Contract Documents.

### § 9.8 Substantial Completion

§ 9.8.1 Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended use.

§ 9.8.2 When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

§ 9.8.3 Upon receipt of the Contractor's list, the Architect will make an inspection to determine whether the Work or designated portion thereof is substantially complete. If the Architect's inspection discloses any item, whether or not included on the Contractor's list, which is not sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the Work or designated portion thereof for its intended use, the Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon notification by the Architect. In such case, the Contractor shall then submit a request for another inspection by the Architect to determine Substantial Completion.

**§ 9.8.4** When the Work or designated portion thereof is substantially complete, the Architect will prepare a Certificate of Substantial Completion that shall establish the date of Substantial Completion; establish responsibilities of the Owner and Contractor for security, maintenance, heat, utilities, damage to the Work and insurance; and fix the time within which the Contractor shall finish all items on the list accompanying the Certificate. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work or designated portion thereof unless otherwise provided in the Certificate of Substantial Completion.

**§ 9.8.5** The Certificate of Substantial Completion shall be submitted to the Owner and Contractor for their written acceptance of responsibilities assigned to them in the Certificate. Upon such acceptance, and consent of surety if any, the Owner shall make payment of retainage applying to the Work or designated portion thereof. Such payment shall be adjusted for Work that is incomplete or not in accordance with the requirements of the Contract Documents.

### **§ 9.9 Partial Occupancy or Use**

**§ 9.9.1** The Owner may occupy or use any completed or partially completed portion of the Work at any stage when such portion is designated by separate agreement with the Contractor, provided such occupancy or use is consented to by the insurer and authorized by public authorities having jurisdiction over the Project. Such partial occupancy or use may commence whether or not the portion is substantially complete, provided the Owner and Contractor have accepted in writing the responsibilities assigned to each of them for payments, retainage, if any, security, maintenance, heat, utilities, damage to the Work and insurance, and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When the Contractor considers a portion substantially complete, the Contractor shall prepare and submit a list to the Architect as provided under Section 9.8.2. Consent of the Contractor to partial occupancy or use shall not be unreasonably withheld. The stage of the progress of the Work shall be determined by written agreement between the Owner and Contractor or, if no agreement is reached, by decision of the Architect.

**§ 9.9.2** Immediately prior to such partial occupancy or use, the Owner, Contractor, and Architect shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

**§ 9.9.3** Unless otherwise agreed upon, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.

### **§ 9.10 Final Completion and Final Payment**

**§ 9.10.1** Upon receipt of the Contractor's notice that the Work is ready for final inspection and acceptance and upon receipt of a final Application for Payment, the Architect will promptly make such inspection. When the Architect finds the Work acceptable under the Contract Documents and the Contract fully performed, the Architect will promptly issue a final Certificate for Payment stating that to the best of the Architect's knowledge, information and belief, and on the basis of the Architect's on-site visits and inspections, the Work has been completed in accordance with the Contract Documents and that the entire balance found to be due the Contractor and noted in the final Certificate is due and payable. The Architect's final Certificate for Payment will constitute a further representation that conditions listed in Section 9.10.2 as precedent to the Contractor's being entitled to final payment have been fulfilled.

**§ 9.10.2** Neither final payment nor any remaining retained percentage shall become due until the Contractor submits to the Architect (1) an affidavit that payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the Owner or the Owner's property might be responsible or encumbered (less amounts withheld by Owner) have been paid or otherwise satisfied, (2) a certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect, (3) a written statement that the Contractor knows of no reason that the insurance will not be renewable to cover the period required by the Contract Documents, (4) consent of surety, if any, to final payment, (5) documentation of any special warranties, such as manufacturers' warranties or specific Subcontractor warranties, and (6) if required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts and releases and waivers of liens, claims, security interests, or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If a Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such lien, claim, security interest, or encumbrance. If a lien, claim, security interest, or encumbrance remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging the lien, claim, security interest, or encumbrance, including all costs and reasonable attorneys' fees.

**§ 9.10.3** If, after Substantial Completion of the Work, final completion thereof is materially delayed through no fault of the Contractor or by issuance of Change Orders affecting final completion, and the Architect so confirms, the Owner shall, upon application by the Contractor and certification by the Architect, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed, corrected, and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of the surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the Contractor to the Architect prior to certification of such payment. Such payment shall be made under terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

**§ 9.10.4** The making of final payment shall constitute a waiver of Claims by the Owner except those arising from

- .1 liens, Claims, security interests, or encumbrances arising out of the Contract and unsettled;
- .2 failure of the Work to comply with the requirements of the Contract Documents;
- .3 terms of special warranties required by the Contract Documents; or
- .4 audits performed by the Owner, if permitted by the Contract Documents, after final payment.

**§ 9.10.5** Acceptance of final payment by the Contractor, a Subcontractor, or a supplier, shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

## **ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY**

### **§ 10.1 Safety Precautions and Programs**

The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract.

### **§ 10.2 Safety of Persons and Property**

**§ 10.2.1** The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury, or loss to

- .1 employees on the Work and other persons who may be affected thereby;
- .2 the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody, or control of the Contractor, a Subcontractor, or a Sub-subcontractor; and
- .3 other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

**§ 10.2.2** The Contractor shall comply with, and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, bearing on safety of persons or property or their protection from damage, injury, or loss.

**§ 10.2.3** The Contractor shall implement, erect, and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards; promulgating safety regulations; and notifying the owners and users of adjacent sites and utilities of the safeguards.

**§ 10.2.4** When use or storage of explosives or other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

**§ 10.2.5** The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property referred to in Sections 10.2.1.2 and 10.2.1.3 caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 10.2.1.2 and 10.2.1.3. The Contractor may make a Claim for the cost to remedy the damage or loss to the extent such damage or loss is attributable to acts or omissions of the Owner or Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 3.18.

**§ 10.2.6** The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner and Architect.

**§ 10.2.7** The Contractor shall not permit any part of the construction or site to be loaded so as to cause damage or create an unsafe condition.

**§ 10.2.8 Injury or Damage to Person or Property**

If either party suffers injury or damage to person or property because of an act or omission of the other party, or of others for whose acts such party is legally responsible, notice of the injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding 21 days after discovery. The notice shall provide sufficient detail to enable the other party to investigate the matter.

**§ 10.3 Hazardous Materials and Substances**

**§ 10.3.1** The Contractor is responsible for compliance with any requirements included in the Contract Documents regarding hazardous materials or substances. If the Contractor encounters a hazardous material or substance not addressed in the Contract Documents and if reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including but not limited to asbestos or polychlorinated biphenyl (PCB), encountered on the site by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and notify the Owner and Architect of the condition.

**§ 10.3.2** Upon receipt of the Contractor's notice, the Owner shall obtain the services of a licensed laboratory to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to cause it to be rendered harmless. Unless otherwise required by the Contract Documents, the Owner shall furnish in writing to the Contractor and Architect the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of the material or substance or who are to perform the task of removal or safe containment of the material or substance. The Contractor and the Architect will promptly reply to the Owner in writing stating whether or not either has reasonable objection to the persons or entities proposed by the Owner. If either the Contractor or Architect has an objection to a person or entity proposed by the Owner, the Owner shall propose another to whom the Contractor and the Architect have no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the Owner and Contractor. By Change Order, the Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the Contractor's reasonable additional costs of shutdown, delay, and start-up.

**§ 10.3.3** To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Contractor, Subcontractors, Architect, Architect's consultants, and agents and employees of any of them from and against claims, damages, losses, and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance presents the risk of bodily injury or death as described in Section 10.3.1 and has not been rendered harmless, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself), except to the extent that such damage, loss, or expense is due to the fault or negligence of the party seeking indemnity.

**§ 10.3.4** The Owner shall not be responsible under this Section 10.3 for hazardous materials or substances the Contractor brings to the site unless such materials or substances are required by the Contract Documents. The Owner shall be responsible for hazardous materials or substances required by the Contract Documents, except to the extent of the Contractor's fault or negligence in the use and handling of such materials or substances.

**§ 10.3.5** The Contractor shall reimburse the Owner for the cost and expense the Owner incurs (1) for remediation of hazardous materials or substances the Contractor brings to the site and negligently handles, or (2) where the Contractor fails to perform its obligations under Section 10.3.1, except to the extent that the cost and expense are due to the Owner's fault or negligence.

**§ 10.3.6** If, without negligence on the part of the Contractor, the Contractor is held liable by a government agency for the cost of remediation of a hazardous material or substance solely by reason of performing Work as required by the Contract Documents, the Owner shall reimburse the Contractor for all cost and expense thereby incurred.

## § 10.4 Emergencies

In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury, or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency shall be determined as provided in Article 15 and Article 7.

## ARTICLE 11 INSURANCE AND BONDS

### § 11.1 Contractor's Insurance and Bonds

§ 11.1.1 The Contractor shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Contractor shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Owner, Architect, and Architect's consultants shall be named as additional insureds under the Contractor's commercial general liability policy or as otherwise described in the Contract Documents.

§ 11.1.2 The Contractor shall provide surety bonds of the types, for such penal sums, and subject to such terms and conditions as required by the Contract Documents. The Contractor shall purchase and maintain the required bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§ 11.1.3 Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or shall authorize a copy to be furnished.

§ 11.1.4 **Notice of Cancellation or Expiration of Contractor's Required Insurance.** Within three (3) business days of the date the Contractor becomes aware of an impending or actual cancellation or expiration of any insurance required by the Contract Documents, the Contractor shall provide notice to the Owner of such impending or actual cancellation or expiration. Upon receipt of notice from the Contractor, the Owner shall, unless the lapse in coverage arises from an act or omission of the Owner, have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by the Contractor. The furnishing of notice by the Contractor shall not relieve the Contractor of any contractual obligation to provide any required coverage.

### § 11.2 Owner's Insurance

§ 11.2.1 The Owner shall purchase and maintain insurance of the types and limits of liability, containing the endorsements, and subject to the terms and conditions, as described in the Agreement or elsewhere in the Contract Documents. The Owner shall purchase and maintain the required insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located.

§ 11.2.2 **Failure to Purchase Required Property Insurance.** If the Owner fails to purchase and maintain the required property insurance, with all of the coverages and in the amounts described in the Agreement or elsewhere in the Contract Documents, the Owner shall inform the Contractor in writing prior to commencement of the Work. Upon receipt of notice from the Owner, the Contractor may delay commencement of the Work and may obtain insurance that will protect the interests of the Contractor, Subcontractors, and Sub-Subcontractors in the Work. When the failure to provide coverage has been cured or resolved, the Contract Sum and Contract Time shall be equitably adjusted. In the event the Owner fails to procure coverage, the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent the loss to the Owner would have been covered by the insurance to have been procured by the Owner. The cost of the insurance shall be charged to the Owner by a Change Order. If the Owner does not provide written notice, and the Contractor is damaged by the failure or neglect of the Owner to purchase or maintain the required insurance, the Owner shall reimburse the Contractor for all reasonable costs and damages attributable thereto.

§ 11.2.3 **Notice of Cancellation or Expiration of Owner's Required Property Insurance.** Within three (3) business days of the date the Owner becomes aware of an impending or actual cancellation or expiration of any property insurance required by the Contract Documents, the Owner shall provide notice to the Contractor of such impending or actual cancellation or expiration. Unless the lapse in coverage arises from an act or omission of the Contractor: (1) the Contractor, upon receipt of notice from the Owner, shall have the right to stop the Work until the lapse in coverage has been cured by the procurement of replacement coverage by either the Owner or the Contractor; (2) the Contract Time and Contract Sum shall be equitably adjusted; and (3) the Owner waives all rights against the Contractor, Subcontractors, and Sub-subcontractors to the extent any loss to the Owner would have been covered by the insurance had it not expired or been cancelled. If the Contractor purchases replacement coverage, the cost of the insurance shall be charged to the Owner by

an appropriate Change Order. The furnishing of notice by the Owner shall not relieve the Owner of any contractual obligation to provide required insurance.

### **§ 11.3 Waivers of Subrogation**

**§ 11.3.1** The Owner and Contractor waive all rights against (1) each other and any of their subcontractors, sub-subcontractors, agents, and employees, each of the other; (2) the Architect and Architect's consultants; and (3) Separate Contractors, if any, and any of their subcontractors, sub-subcontractors, agents, and employees, for damages caused by fire, or other causes of loss, to the extent those losses are covered by property insurance required by the Agreement or other property insurance applicable to the Project, except such rights as they have to proceeds of such insurance. The Owner or Contractor, as appropriate, shall require similar written waivers in favor of the individuals and entities identified above from the Architect, Architect's consultants, Separate Contractors, subcontractors, and sub-subcontractors. The policies of insurance purchased and maintained by each person or entity agreeing to waive claims pursuant to this section 11.3.1 shall not prohibit this waiver of subrogation. This waiver of subrogation shall be effective as to a person or entity (1) even though that person or entity would otherwise have a duty of indemnification, contractual or otherwise, (2) even though that person or entity did not pay the insurance premium directly or indirectly, or (3) whether or not the person or entity had an insurable interest in the damaged property.

**§ 11.3.2** If during the Project construction period the Owner insures properties, real or personal or both, at or adjacent to the site by property insurance under policies separate from those insuring the Project, or if after final payment property insurance is to be provided on the completed Project through a policy or policies other than those insuring the Project during the construction period, to the extent permissible by such policies, the Owner waives all rights in accordance with the terms of Section 11.3.1 for damages caused by fire or other causes of loss covered by this separate property insurance.

### **§ 11.4 Loss of Use, Business Interruption, and Delay in Completion Insurance**

The Owner, at the Owner's option, may purchase and maintain insurance that will protect the Owner against loss of use of the Owner's property, or the inability to conduct normal operations, due to fire or other causes of loss. The Owner waives all rights of action against the Contractor and Architect for loss of use of the Owner's property, due to fire or other hazards however caused.

### **§ 11.5 Adjustment and Settlement of Insured Loss**

**§ 11.5.1** A loss insured under the property insurance required by the Agreement shall be adjusted by the Owner as fiduciary and made payable to the Owner as fiduciary for the insureds, as their interests may appear, subject to requirements of any applicable mortgagee clause and of Section 11.5.2. The Owner shall pay the Architect and Contractor their just shares of insurance proceeds received by the Owner, and by appropriate agreements the Architect and Contractor shall make payments to their consultants and Subcontractors in similar manner.

**§ 11.5.2** Prior to settlement of an insured loss, the Owner shall notify the Contractor of the terms of the proposed settlement as well as the proposed allocation of the insurance proceeds. The Contractor shall have 14 days from receipt of notice to object to the proposed settlement or allocation of the proceeds. If the Contractor does not object, the Owner shall settle the loss and the Contractor shall be bound by the settlement and allocation. Upon receipt, the Owner shall deposit the insurance proceeds in a separate account and make the appropriate distributions. Thereafter, if no other agreement is made or the Owner does not terminate the Contract for convenience, the Owner and Contractor shall execute a Change Order for reconstruction of the damaged or destroyed Work in the amount allocated for that purpose. If the Contractor timely objects to either the terms of the proposed settlement or the allocation of the proceeds, the Owner may proceed to settle the insured loss, and any dispute between the Owner and Contractor arising out of the settlement or allocation of the proceeds shall be resolved pursuant to Article 15. Pending resolution of any dispute, the Owner may issue a Construction Change Directive for the reconstruction of the damaged or destroyed Work.

## **ARTICLE 12 UNCOVERING AND CORRECTION OF WORK**

### **§ 12.1 Uncovering of Work**

**§ 12.1.1** If a portion of the Work is covered contrary to the Architect's request or to requirements specifically expressed in the Contract Documents, it must, if requested in writing by the Architect, be uncovered for the Architect's examination and be replaced at the Contractor's expense without change in the Contract Time.

**§ 12.1.2** If a portion of the Work has been covered that the Architect has not specifically requested to examine prior to its being covered, the Architect may request to see such Work and it shall be uncovered by the Contractor. If such Work is in accordance with the Contract Documents, the Contractor shall be entitled to an equitable adjustment to the Contract

Sum and Contract Time as may be appropriate. If such Work is not in accordance with the Contract Documents, the costs of uncovering the Work, and the cost of correction, shall be at the Contractor's expense.

## **§ 12.2 Correction of Work**

### **§ 12.2.1 Before Substantial Completion**

The Contractor shall promptly correct Work rejected by the Architect or failing to conform to the requirements of the Contract Documents, discovered before Substantial Completion and whether or not fabricated, installed or completed. Costs of correcting such rejected Work, including additional testing and inspections, the cost of uncovering and replacement, and compensation for the Architect's services and expenses made necessary thereby, shall be at the Contractor's expense.

### **§ 12.2.2 After Substantial Completion**

**§ 12.2.2.1** In addition to the Contractor's obligations under Section 3.5, if, within one year after the date of Substantial Completion of the Work or designated portion thereof or after the date for commencement of warranties established under Section 9.9.1, or by terms of any applicable special warranty required by the Contract Documents, any of the Work is found to be not in accordance with the requirements of the Contract Documents, the Contractor shall correct it promptly after receipt of notice from the Owner to do so, unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such notice promptly after discovery of the condition. During the one-year period for correction of Work, if the Owner fails to notify the Contractor and give the Contractor an opportunity to make the correction, the Owner waives the rights to require correction by the Contractor and to make a claim for breach of warranty. If the Contractor fails to correct nonconforming Work within a reasonable time during that period after receipt of notice from the Owner or Architect, the Owner may correct it in accordance with Section 2.5.

**§ 12.2.2.2** The one-year period for correction of Work shall be extended with respect to portions of Work first performed after Substantial Completion by the period of time between Substantial Completion and the actual completion of that portion of the Work.

**§ 12.2.2.3** The one-year period for correction of Work shall not be extended by corrective Work performed by the Contractor pursuant to this Section 12.2.

**§ 12.2.3** The Contractor shall remove from the site portions of the Work that are not in accordance with the requirements of the Contract Documents and are neither corrected by the Contractor nor accepted by the Owner.

**§ 12.2.4** The Contractor shall bear the cost of correcting destroyed or damaged construction of the Owner or Separate Contractors, whether completed or partially completed, caused by the Contractor's correction or removal of Work that is not in accordance with the requirements of the Contract Documents.

**§ 12.2.5** Nothing contained in this Section 12.2 shall be construed to establish a period of limitation with respect to other obligations the Contractor has under the Contract Documents. Establishment of the one-year period for correction of Work as described in Section 12.2.2 relates only to the specific obligation of the Contractor to correct the Work, and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

## **§ 12.3 Acceptance of Nonconforming Work**

If the Owner prefers to accept Work that is not in accordance with the requirements of the Contract Documents, the Owner may do so instead of requiring its removal and correction, in which case the Contract Sum will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

## **ARTICLE 13 MISCELLANEOUS PROVISIONS**

### **§ 13.1 Governing Law**

The Contract shall be governed by the law of the place where the Project is located, excluding that jurisdiction's choice of law rules. If the parties have selected arbitration as the method of binding dispute resolution, the Federal Arbitration Act shall govern Section 15.4.

### **§ 13.2 Successors and Assigns**

**§ 13.2.1** The Owner and Contractor respectively bind themselves, their partners, successors, assigns, and legal representatives to covenants, agreements, and obligations contained in the Contract Documents. Except as provided in

Section 13.2.2, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

**§ 13.2.2** The Owner may, without consent of the Contractor, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Contract Documents. The Contractor shall execute all consents reasonably required to facilitate the assignment.

### **§ 13.3 Rights and Remedies**

**§ 13.3.1** Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

**§ 13.3.2** No action or failure to act by the Owner, Architect, or Contractor shall constitute a waiver of a right or duty afforded them under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed upon in writing.

### **§ 13.4 Tests and Inspections**

**§ 13.4.1** Tests, inspections, and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules, and regulations or lawful orders of public authorities. Unless otherwise provided, the Contractor shall make arrangements for such tests, inspections, and approvals with an independent testing laboratory or entity acceptable to the Owner, or with the appropriate public authority, and shall bear all related costs of tests, inspections, and approvals. The Contractor shall give the Architect timely notice of when and where tests and inspections are to be made so that the Architect may be present for such procedures. The Owner shall bear costs of tests, inspections, or approvals that do not become requirements until after bids are received or negotiations concluded. The Owner shall directly arrange and pay for tests, inspections, or approvals where building codes or applicable laws or regulations so require.

**§ 13.4.2** If the Architect, Owner, or public authorities having jurisdiction determine that portions of the Work require additional testing, inspection, or approval not included under Section 13.4.1, the Architect will, upon written authorization from the Owner, instruct the Contractor to make arrangements for such additional testing, inspection, or approval, by an entity acceptable to the Owner, and the Contractor shall give timely notice to the Architect of when and where tests and inspections are to be made so that the Architect may be present for such procedures. Such costs, except as provided in Section 13.4.3, shall be at the Owner's expense.

**§ 13.4.3** If procedures for testing, inspection, or approval under Sections 13.4.1 and 13.4.2 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation for the Architect's services and expenses, shall be at the Contractor's expense.

**§ 13.4.4** Required certificates of testing, inspection, or approval shall, unless otherwise required by the Contract Documents, be secured by the Contractor and promptly delivered to the Architect.

**§ 13.4.5** If the Architect is to observe tests, inspections, or approvals required by the Contract Documents, the Architect will do so promptly and, where practicable, at the normal place of testing.

**§ 13.4.6** Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work.

### **§ 13.5 Interest**

Payments due and unpaid under the Contract Documents shall bear interest from the date payment is due at the rate the parties agree upon in writing or, in the absence thereof, at the legal rate prevailing from time to time at the place where the Project is located.

## **ARTICLE 14 TERMINATION OR SUSPENSION OF THE CONTRACT**

### **§ 14.1 Termination by the Contractor**

**§ 14.1.1** The Contractor may terminate the Contract if the Work is stopped for a period of 30 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, for any of the following reasons:

- .1 Issuance of an order of a court or other public authority having jurisdiction that requires all Work to be stopped;
- .2 An act of government, such as a declaration of national emergency, that requires all Work to be stopped;
- .3 Because the Architect has not issued a Certificate for Payment and has not notified the Contractor of the reason for withholding certification as provided in Section 9.4.1, or because the Owner has not made payment on a Certificate for Payment within the time stated in the Contract Documents; or
- .4 The Owner has failed to furnish to the Contractor reasonable evidence as required by Section 2.2.

**§ 14.1.2** The Contractor may terminate the Contract if, through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, their agents or employees, or any other persons or entities performing portions of the Work, repeated suspensions, delays, or interruptions of the entire Work by the Owner as described in Section 14.3, constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less.

**§ 14.1.3** If one of the reasons described in Section 14.1.1 or 14.1.2 exists, the Contractor may, upon seven days' notice to the Owner and Architect, terminate the Contract and recover from the Owner payment for Work executed, as well as reasonable overhead and profit on Work not executed, and costs incurred by reason of such termination.

**§ 14.1.4** If the Work is stopped for a period of 60 consecutive days through no act or fault of the Contractor, a Subcontractor, a Sub-subcontractor, or their agents or employees or any other persons or entities performing portions of the Work because the Owner has repeatedly failed to fulfill the Owner's obligations under the Contract Documents with respect to matters important to the progress of the Work, the Contractor may, upon seven additional days' notice to the Owner and the Architect, terminate the Contract and recover from the Owner as provided in Section 14.1.3.

## **§ 14.2 Termination by the Owner for Cause**

**§ 14.2.1** The Owner may terminate the Contract if the Contractor

- .1 repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
- .2 fails to make payment to Subcontractors or suppliers in accordance with the respective agreements between the Contractor and the Subcontractors or Suppliers;
- .3 repeatedly disregards applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of a public authority; or
- .4 otherwise is guilty of substantial breach of a provision of the Contract Documents.

**§ 14.2.2** When any of the reasons described in Section 14.2.1 exist, and upon certification by the Architect that sufficient cause exists to justify such action, the Owner may, without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, seven days' notice, terminate employment of the Contractor and may, subject to any prior rights of the surety:

- .1 Exclude the Contractor from the site and take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor;
- .2 Accept assignment of subcontracts pursuant to Section 5.4; and
- .3 Finish the Work by whatever reasonable method the Owner may deem expedient. Upon written request of the Contractor, the Owner shall furnish to the Contractor a detailed accounting of the costs incurred by the Owner in finishing the Work.

**§ 14.2.3** When the Owner terminates the Contract for one of the reasons stated in Section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished.

**§ 14.2.4** If the unpaid balance of the Contract Sum exceeds costs of finishing the Work, including compensation for the Architect's services and expenses made necessary thereby, and other damages incurred by the Owner and not expressly waived, such excess shall be paid to the Contractor. If such costs and damages exceed the unpaid balance, the Contractor shall pay the difference to the Owner. The amount to be paid to the Contractor or Owner, as the case may be, shall be certified by the Initial Decision Maker, upon application, and this obligation for payment shall survive termination of the Contract.

## **§ 14.3 Suspension by the Owner for Convenience**

**§ 14.3.1** The Owner may, without cause, order the Contractor in writing to suspend, delay or interrupt the Work, in whole or in part for such period of time as the Owner may determine.

**§ 14.3.2** The Contract Sum and Contract Time shall be adjusted for increases in the cost and time caused by suspension, delay, or interruption under Section 14.3.1. Adjustment of the Contract Sum shall include profit. No adjustment shall be made to the extent

- .1 that performance is, was, or would have been, so suspended, delayed, or interrupted, by another cause for which the Contractor is responsible; or
- .2 that an equitable adjustment is made or denied under another provision of the Contract.

#### **§ 14.4 Termination by the Owner for Convenience**

**§ 14.4.1** The Owner may, at any time, terminate the Contract for the Owner's convenience and without cause.

**§ 14.4.2** Upon receipt of notice from the Owner of such termination for the Owner's convenience, the Contractor shall

- .1 cease operations as directed by the Owner in the notice;
- .2 take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and
- .3 except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

**§ 14.4.3** In case of such termination for the Owner's convenience, the Owner shall pay the Contractor for Work properly executed; costs incurred by reason of the termination, including costs attributable to termination of Subcontracts; and the termination fee, if any, set forth in the Agreement.

### **ARTICLE 15 CLAIMS AND DISPUTES**

#### **§ 15.1 Claims**

##### **§ 15.1.1 Definition**

A Claim is a demand or assertion by one of the parties seeking, as a matter of right, payment of money, a change in the Contract Time, or other relief with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between the Owner and Contractor arising out of or relating to the Contract. The responsibility to substantiate Claims shall rest with the party making the Claim. This Section 15.1.1 does not require the Owner to file a Claim in order to impose liquidated damages in accordance with the Contract Documents.

##### **§ 15.1.2 Time Limits on Claims**

The Owner and Contractor shall commence all Claims and causes of action against the other and arising out of or related to the Contract, whether in contract, tort, breach of warranty or otherwise, in accordance with the requirements of the binding dispute resolution method selected in the Agreement and within the period specified by applicable law, but in any case not more than 10 years after the date of Substantial Completion of the Work. The Owner and Contractor waive all Claims and causes of action not commenced in accordance with this Section 15.1.2.

##### **§ 15.1.3 Notice of Claims**

**§ 15.1.3.1** Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered prior to expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party and to the Initial Decision Maker with a copy sent to the Architect, if the Architect is not serving as the Initial Decision Maker. Claims by either party under this Section 15.1.3.1 shall be initiated within 21 days after occurrence of the event giving rise to such Claim or within 21 days after the claimant first recognizes the condition giving rise to the Claim, whichever is later.

**§ 15.1.3.2** Claims by either the Owner or Contractor, where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2, shall be initiated by notice to the other party. In such event, no decision by the Initial Decision Maker is required.

##### **§ 15.1.4 Continuing Contract Performance**

**§ 15.1.4.1** Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in Section 9.7 and Article 14, the Contractor shall proceed diligently with performance of the Contract and the Owner shall continue to make payments in accordance with the Contract Documents.

**§ 15.1.4.2** The Contract Sum and Contract Time shall be adjusted in accordance with the Initial Decision Maker's decision, subject to the right of either party to proceed in accordance with this Article 15. The Architect will issue Certificates for Payment in accordance with the decision of the Initial Decision Maker.

### § 15.1.5 Claims for Additional Cost

If the Contractor wishes to make a Claim for an increase in the Contract Sum, notice as provided in Section 15.1.3 shall be given before proceeding to execute the portion of the Work that is the subject of the Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.

### § 15.1.6 Claims for Additional Time

§ 15.1.6.1 If the Contractor wishes to make a Claim for an increase in the Contract Time, notice as provided in Section 15.1.3 shall be given. The Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary.

§ 15.1.6.2 If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated, and had an adverse effect on the scheduled construction.

### § 15.1.7 Waiver of Claims for Consequential Damages

The Contractor and Owner waive Claims against each other for consequential damages arising out of or relating to this Contract. This mutual waiver includes

- .1 damages incurred by the Owner for rental expenses, for losses of use, income, profit, financing, business and reputation, and for loss of management or employee productivity or of the services of such persons; and
- .2 damages incurred by the Contractor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, and for loss of profit, except anticipated profit arising directly from the Work.

This mutual waiver is applicable, without limitation, to all consequential damages due to either party's termination in accordance with Article 14. Nothing contained in this Section 15.1.7 shall be deemed to preclude assessment of liquidated damages, when applicable, in accordance with the requirements of the Contract Documents.

### § 15.2 Initial Decision

§ 15.2.1 Claims, excluding those where the condition giving rise to the Claim is first discovered after expiration of the period for correction of the Work set forth in Section 12.2.2 or arising under Sections 10.3, 10.4, and 11.5, shall be referred to the Initial Decision Maker for initial decision. The Architect will serve as the Initial Decision Maker, unless otherwise indicated in the Agreement. Except for those Claims excluded by this Section 15.2.1, an initial decision shall be required as a condition precedent to mediation of any Claim. If an initial decision has not been rendered within 30 days after the Claim has been referred to the Initial Decision Maker, the party asserting the Claim may demand mediation and binding dispute resolution without a decision having been rendered. Unless the Initial Decision Maker and all affected parties agree, the Initial Decision Maker will not decide disputes between the Contractor and persons or entities other than the Owner.

§ 15.2.2 The Initial Decision Maker will review Claims and within ten days of the receipt of a Claim take one or more of the following actions: (1) request additional supporting data from the claimant or a response with supporting data from the other party, (2) reject the Claim in whole or in part, (3) approve the Claim, (4) suggest a compromise, or (5) advise the parties that the Initial Decision Maker is unable to resolve the Claim if the Initial Decision Maker lacks sufficient information to evaluate the merits of the Claim or if the Initial Decision Maker concludes that, in the Initial Decision Maker's sole discretion, it would be inappropriate for the Initial Decision Maker to resolve the Claim.

§ 15.2.3 In evaluating Claims, the Initial Decision Maker may, but shall not be obligated to, consult with or seek information from either party or from persons with special knowledge or expertise who may assist the Initial Decision Maker in rendering a decision. The Initial Decision Maker may request the Owner to authorize retention of such persons at the Owner's expense.

§ 15.2.4 If the Initial Decision Maker requests a party to provide a response to a Claim or to furnish additional supporting data, such party shall respond, within ten days after receipt of the request, and shall either (1) provide a response on the requested supporting data, (2) advise the Initial Decision Maker when the response or supporting data will be furnished, or (3) advise the Initial Decision Maker that no supporting data will be furnished. Upon receipt of the response or supporting data, if any, the Initial Decision Maker will either reject or approve the Claim in whole or in part.

**§ 15.2.5** The Initial Decision Maker will render an initial decision approving or rejecting the Claim, or indicating that the Initial Decision Maker is unable to resolve the Claim. This initial decision shall (1) be in writing; (2) state the reasons therefor; and (3) notify the parties and the Architect, if the Architect is not serving as the Initial Decision Maker, of any change in the Contract Sum or Contract Time or both. The initial decision shall be final and binding on the parties but subject to mediation and, if the parties fail to resolve their dispute through mediation, to binding dispute resolution.

**§ 15.2.6** Either party may file for mediation of an initial decision at any time, subject to the terms of Section 15.2.6.1.

**§ 15.2.6.1** Either party may, within 30 days from the date of receipt of an initial decision, demand in writing that the other party file for mediation. If such a demand is made and the party receiving the demand fails to file for mediation within 30 days after receipt thereof, then both parties waive their rights to mediate or pursue binding dispute resolution proceedings with respect to the initial decision.

**§ 15.2.7** In the event of a Claim against the Contractor, the Owner may, but is not obligated to, notify the surety, if any, of the nature and amount of the Claim. If the Claim relates to a possibility of a Contractor's default, the Owner may, but is not obligated to, notify the surety and request the surety's assistance in resolving the controversy.

**§ 15.2.8** If a Claim relates to or is the subject of a mechanic's lien, the party asserting such Claim may proceed in accordance with applicable law to comply with the lien notice or filing deadlines.

### **§ 15.3 Mediation**

**§ 15.3.1** Claims, disputes, or other matters in controversy arising out of or related to the Contract, except those waived as provided for in Sections 9.10.4, 9.10.5, and 15.1.7, shall be subject to mediation as a condition precedent to binding dispute resolution.

**§ 15.3.2** The parties shall endeavor to resolve their Claims by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the mediation. The request may be made concurrently with the filing of binding dispute resolution proceedings but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration is stayed pursuant to this Section 15.3.2, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

**§ 15.3.3** Either party may, within 30 days from the date that mediation has been concluded without resolution of the dispute or 60 days after mediation has been demanded without resolution of the dispute, demand in writing that the other party file for binding dispute resolution. If such a demand is made and the party receiving the demand fails to file for binding dispute resolution within 60 days after receipt thereof, then both parties waive their rights to binding dispute resolution proceedings with respect to the initial decision.

**§ 15.3.4** The parties shall share the mediator's fee and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

### **§ 15.4 Arbitration**

**§ 15.4.1** If the parties have selected arbitration as the method for binding dispute resolution in the Agreement, any Claim subject to, but not resolved by, mediation shall be subject to arbitration which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules in effect on the date of the Agreement. The Arbitration shall be conducted in the place where the Project is located, unless another location is mutually agreed upon. A demand for arbitration shall be made in writing, delivered to the other party to the Contract, and filed with the person or entity administering the arbitration. The party filing a notice of demand for arbitration must assert in the demand all Claims then known to that party on which arbitration is permitted to be demanded.

**§ 15.4.1.1** A demand for arbitration shall be made no earlier than concurrently with the filing of a request for mediation, but in no event shall it be made after the date when the institution of legal or equitable proceedings based on the Claim would be barred by the applicable statute of limitations. For statute of limitations purposes, receipt of a written demand

for arbitration by the person or entity administering the arbitration shall constitute the institution of legal or equitable proceedings based on the Claim.

**§ 15.4.2** The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.

**§ 15.4.3** The foregoing agreement to arbitrate and other agreements to arbitrate with an additional person or entity duly consented to by parties to the Agreement, shall be specifically enforceable under applicable law in any court having jurisdiction thereof.

**§ 15.4.4 Consolidation or Joinder**

**§ 15.4.4.1** Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may consolidate an arbitration conducted under this Agreement with any other arbitration to which it is a party provided that (1) the arbitration agreement governing the other arbitration permits consolidation, (2) the arbitrations to be consolidated substantially involve common questions of law or fact, and (3) the arbitrations employ materially similar procedural rules and methods for selecting arbitrator(s).

**§ 15.4.4.2** Subject to the rules of the American Arbitration Association or other applicable arbitration rules, either party may include by joinder persons or entities substantially involved in a common question of law or fact whose presence is required if complete relief is to be accorded in arbitration, provided that the party sought to be joined consents in writing to such joinder. Consent to arbitration involving an additional person or entity shall not constitute consent to arbitration of any claim, dispute or other matter in question not described in the written consent.

**§ 15.4.4.3** The Owner and Contractor grant to any person or entity made a party to an arbitration conducted under this Section 15.4, whether by joinder or consolidation, the same rights of joinder and consolidation as those of the Owner and Contractor under this Agreement.

**ARTICLE 1 – GENERAL PROVISIONS****1.0 GENERAL CONDITIONS:**

- a) In the event there is a conflict between the general conditions, instruction to bidders in the documents provided by Greenville School and AIA A201, the Greenville School documents shall take presentence over the AIA A201 document.
- b) In the event there is a conflict between the documents provided by Greenville School and Division 1 documents, Greenville School shall take presentence over the Division 1 documents.
- c) The Owner shall maintain Builder's Risk Insurance for the material to be used on the project. The contractor shall provide insurance on his equipment and validation that may occur.

**2.0 GENERAL:**

**NOTE:** The base bid is to include a (\$20,000) twenty-thousand-dollar contingency allowance.

**3.0 SUBSTITUTION OF MATERIALS:**

Substitutions of the listed herein are prohibited unless approved IN WRITING by the Owner and/or the Owners Representative. Requests for substitution shall clearly describe the material, product or equipment for which approval is requested and shall be accompanied by the manufacturer's literature, specifications, drawings, performance criteria and/or other information necessary to completely describe the items to establish their acceptability.

The approval of the Owner is required prior to inclusion of any substitute material(s) in the Bid or the Work. If the Bidder includes unapproved materials in the Bid, it will be assumed that the specified materials were included and must be installed. If a less expensive material is approved and used for the Work after a bid has been submitted, the Bidder shall issue an appropriate credit to the Owner. The Owner's approval will be required even though "or equal" or synonymous terms are used in the Bid Documents.

**SUBSTITUTIONS AND COST DIFFERENCE MUST BE SUBMITTED WITH THE PROPOSAL ON A SEPARATE SHEET WITH JUSTIFICATION FOR THE SUBSTITUTION.**

The approval or rejection of a proposed substitution is vested in the Owner whose decision shall be final and binding. The determination may or may not explain the reason for the decision. Substitutions will be approved by Addendum to the Project Documents.

**END OF SUPPLEMENTARY CONDITIONS**

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**SECTION 01 10 00**  
**SUMMARY**

**PART 1 GENERAL**

**1.1 RELATED DOCUMENTS and REQUIREMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 WORK COVERED BY CONTRACT DOCUMENTS**

- A. Project Identification: Project Name: Sevier Middle School Building Envelope Repairs.
- B. Consultant Identification: The Contract Documents, dated March 2023, were prepared for the Project by Wolf Trail Engineering, PLLCC. The work consists of:

1. Existing Conditions:
  - a. The building was constructed approximately 20 years ago.
  - b. The building will be occupied by the maintenance staff that will be performing general maintenance.
  
2. Renovation/New Construction:
  - a. The building expansion joints, the existing caulk and backer rod shall be removed. New backer rod and caulk shall be installed. The contractor shall use tape to provide a straight line as indicated in the specifications. The joints behind the gutters shall are not part of this project.
  - b. The caulking around the windows, store fronts and exterior doors shall be replaced. Tape shall be used to maintain a straight line as indicated in the specifications.
  - c. Wet seal around the exterior glass and window frame. Tape shall be used to maintain a straight line as indicated in the specifications.
  - d. New flashing shall be installed under windows specified on detail drawings.
  - e. The contractor shall verify the weeps in the window system is open.
  - f. The contractor shall water test each window system to verify there are no leaks. If leaks occur, the contractor shall make the corrections required.
  - g. General clean up and reseed any areas disturbed.

3. Alternates:
  - a. Pressure wash precast concrete an brick/block and clean exterior windows.
  - b. Coat pre-cast concrete panels on exterior perimeter of building.

- D. Contractor shall furnish all material, labor, tools, supplies, equipment, transportation, superintendence, temporary construction of every nature, insurance, taxes, contributions and all services and facilities, unless specifically excepted, and install all materials, items and equipment required to complete the construction of the Project, as set forth in the Contract Documents and as required to provide complete and operational systems.
- E. The consultant nor the owner shall direct the contractor as to means and methods to execute the work. If a condition or process occurs that will create damage or danger to someone, the contractor shall stop and re-evaluate his means and methods to eliminate the damage or danger.
- F. The Contractor shall act as the Project Expediter and be responsible for coordinating the work and schedules of others hired by him.

### 1.3 CONTRACT

- A. Project will be constructed as a Single Prime Contractor

### 1.4 WORK SEQUENCE

- A. The General Contractor shall be the project expeditor.
- B. Work may commence on May 29, 2023, and be pursued continuously with adequate manpower until complete.
- C. School will start August 8, 2023. While students are in school, no work will be performed during the following hours M-F unless Contractor has prior written approval from Owner.
- D. Elementary Schools 7:30am- 3:00pm  
Middle Schools 8:00am- 4:00pm  
High Schools 9:00pm- 4:00pm
- E. All work must be completed by August 4, 2023. If the Contractor does not complete the work in time to arrange for the final inspection and submit the final invoice by this date liquidated damages of \$1,000.00 per calendar day will be deducted from the Contract amount.

- F. All punch list items are to be completed by August 8, 2022, or liquidated damages of \$1,000.00 per calendar day will be deducted from the Contract amount.
- G. The successful bidder will issue a construction schedule by May 1, 2022. The owner has the right to amend the construction schedule. If the contractor cannot complete the work in the amended construction schedule, the next lowest qualifying contractor will be awarded the project. The contractor shall update his schedule once a month and take into account the other trades working on the facility.
- H. There will be short durations of time the Mechanical Contractor will need access to building next to the canopy. The Roofing Contractor shall coordinate their effort with the Mechanical Contractor to eliminate scheduling conflicts of the work in these areas.

#### 10.1 WORK UNDER OTHER CONTRACTS

- A. Separate Contract: Owner reserves the right to award a separate contract for performance of certain construction operations at Project site. Those operations may be conducted simultaneously with Work under this Contract.
- B. Contractor shall cooperate fully with separate contractors so work on other contracts may be carried out smoothly, without interfering with or delaying Work under this Contract.
- C. The Owner has hired a roofing contractor to replace the gutters and down spouts in the courtyard. The downspouts will be re-installed by the roofing contractor after this contractor has pressure washed the wall and caulked the joints.

#### 10.2 SPECIFICATION FORMATS AND CONVENTIONS

- A. Technical Specifications Format: The Specifications are organized into Divisions and Sections using the 50-division format and Construction Specifications Institute / Construction Specifications Canada (CSI/CSC's) 2018 "Master Format" numbering system.
  - 1. Section Identification: The Technical Specifications use section numbers and titles to help cross-referencing in the Contract Documents. Sections in the Project Manual are in numeric sequence; however, the sequence is incomplete. Consult the table of contents at the beginning of the Project Manual to determine numbers and names of sections in the Contract Documents.
- B. Technical Specifications Content: The Technical Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Abbreviated Language: Language used in the Technical Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires.  
Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.
2. Imperative mood and streamlined language are generally used in Technical Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
  - a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

## 11. PRODUCTS

### 11.1 PRODUCTS ORDERED IN ADVANCE

- A. Unless otherwise stated in the Contract Documents, Costs for receiving, handling, storage if required, and installation of material and equipment shall be included in the Contract Sum.

### 11.2 OWNER-FURNISHED PRODUCTS

- A. None

## 12. EXECUTION (Not Used)

END OF SECTION 01 11 00

**SECTION 01 14 00**  
**WORK RESTRICTIONS**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

1.2 USE OF PREMISES

- A. Use of Site: Limit use of premises to work in areas indicated on the drawings. Do not disturb portions of site beyond areas in which the Work is indicated.
1. Limits: Confine constructions operations to roof, set-up area and material storage areas.
  2. Owner Occupancy: Allow for maintenance of the facility.
  3. Driveways and Entrances: Keep driveways and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
    - a. Schedule deliveries to minimize use of driveways and entrances.
    - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
    - c.
  4. Construction hours shall be as follows:
    - a. Work may commence on May 29, 2023, and be pursued continuously with adequate manpower until complete.
    - b. School will start August 8, 2023. While students are in school, no work will be performed during the following hours M-F unless Contractor has prior written approval from Owner.
    - c. Elementary Schools 7:30am- 3:00pm  
Middle Schools 8:00am- 4:00pm  
High Schools 9:00am- 4:00pm
    - d. After August 4, 2023, the contractor may work evenings M-F and all day on Saturdays and Sundays. No work shall occur while school is in session.
    - e. All work must be completed by August 4, 2023. If the Contractor does not complete the work in time to arrange for the final inspection and submit

the final invoice by this date liquidated damages of \$1,000.00 per calendar day will be deducted from the Contract amount.

- f. All punch list items are to be completed by **August 8, 2022**, or liquidated damages of \$1,000.00 per calendar day will be deducted from the Contract amount.
- g. The successful bidder will issue a construction schedule by **May 1, 2022**. The owner has the right to amend the construction schedule. If the contractor cannot complete the work in the amended construction schedule, the next lowest qualifying contractor will be awarded the project. The contractor shall update his schedule once a month and take into account the other trades working on the facility.
- h. There will be short durations of time the Mechanical Contractor will need access to building next to the canopy. The Roofing Contractor shall coordinate their effort with the Mechanical Contractor to eliminate scheduling conflicts of the work in these areas.

- B. Use of Existing Building: Maintain existing building in a weather tight condition throughout construction period. Repair damage caused by construction operations.

### 1.3 OCCUPANCY REQUIREMENTS

- A. Partial Owner Occupancy: Owner reserves the right to occupy and to place and install equipment in completed areas of building, before Substantial Completion, provided such occupancy does not interfere with completion of the Work. Such placement of equipment and partial occupancy shall not constitute acceptance of the total Work.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 14 00

**SECTION 01 21 00**  
**PROJECT CONTINGENCY AND ALLOWANCES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements governing allowances.
- B. Types of allowances include the following:
  - 1. Contingency Allowance of Twenty Thousand Dollars (\$20,000)
- C. Related Sections include the following:
  - 1. Division 1, Technical Specifications Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.

**1.3 SELECTION AND PURCHASE**

- A. At the earliest practical date after award of the Contract, advise Consultant of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At Consultant's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Consultant from the designated supplier.

**1.4 SUBMITTALS**

- A. Submit proposals for purchase of products or systems included in allowances, on the "Proposal Request" and "Proposal Request Log" forms.
- B. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.

### 1.5 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed by Consultant for Owner's purposes and amount an amount of Twenty Thousand Dollars (\$20,000) to be charged to the contingency allowance. The contingency allowance shall be included in the Roofing Contractor's bid.
- B. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

### 1.6 UNIT PRICES

- A. The unit prices shall be used to either increase or decrease the contract based on the quantity of work that is either increased or decreased.

## PART 2 - PRODUCTS (Not Used)

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

### 3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

END OF SECTION 01 21 00

**SECTION 01 23 00**  
**ALTERNATES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for alternates.

**1.3 DEFINITIONS**

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid.

**1.4 PROCEDURES**

- A Alternates are shown in the order of preference with number one being the highest priority. Alternates will be accepted in priority order based on available funds as is in the best interest of the Owner: however, the Owner reserves the right to accept any of the alternates in any order. Any alternate left blank on the proposal shall be considered as a “no-cost” bid and be provided by the bidder at zero cost to the Owner if accepted.
- B. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include as part of each alternate; equipment, labor, profit & overhead, sales tax, material, miscellaneous devices, accessory objects, and similar items required to execute the alternate as described.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate #1:

1. Pressure wash and coat pre-cast concrete panels on exterior perimeter of building. See Section 09 91 00.

END OF SECTION 01 23 00

**SECTION 01 25 00**  
**CONTRACT MODIFICATION PROCEDURES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section specifies administrative and procedural requirements for handling and processing Contract modifications whereas all parties agree to the following:
  - 1. A modification in the Work or Contract Documents.
  - 2. The amount of the adjustment in the Contract Sum, if any.
  - 3. The extent of the adjustment in the Contract Time, if any.

**1.3 NOTIFICATION TO SURETY**

- A. The Contractor shall notify the Surety of any modifications to the Work or provisions of the Contract Documents, including, but not limited to, the Contract Price or Contract Time.

**1.4 MINOR CHANGES IN THE WORK**

- A. The Consultant shall have authority to order Minor Changes in the Work not involving adjustment to the Contract Sum or extension of the Contract Time, and consistent with the intent of the Contract Documents. Such changes shall be in a form of a written order and shall be binding for both the Owner and Contractor when fully executed.

**1.5 CLAIMS FOR ADDITIONAL COST:**

- A. No claim for an adjustment in Contract Price or Contract Times will be valid if not submitted in accordance with the following:
  - 1. **Notice: Written notice stating the general nature of each claim shall be delivered by the claimant to the other party to the Contract promptly, but in**

**no event later than thirty (30) days after the start of the event giving rise to the claim.**

2. The responsibility to substantiate a claim shall rest with the party making the claim. The amount or extent of the claim, with supporting data, shall be delivered to the other party to the Contract within fifteen (15) days after the initial Notice of the Claim. Each claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to the claimant within thirty (30) days after receipt of the claimant's last submittal. Prior notice is not required for Claims relating to an emergency endangering life or property.
- B. The Contractor shall submit a claim if he believes additional cost is involved for reasons including but not limited to the following:
1. A written interpretation from the Consultant,
  2. An order by the Owner to stop the Work where the Contractor was not at fault,
  3. A written order for a minor change in the Work issued by the Consultant,
  4. A change in the Scope of the Work by the Consultant.

## **1.6 PROPOSAL REQUESTS**

- A. The Owner initiated Proposal Requests is generated by the Owner to modify the Work or Contract Documents. The Consultant will issue a detailed description of proposed modifications in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications. The description is for information and shall be considered as a directive to automatically stop work or execute the proposed change.
1. Within ten 10-calendar days after receipt of the Proposal Request, the Contractor shall submit a Proposal Request Form with an estimate to adjust the Contract Sum and the Contract Time if necessary to execute the change. Proposal shall include support documents from Subcontractor, if applicable.
    - a. Include a list of quantities of (plus or minus) the materials and/or products required with unit prices, total amount of purchases, and credits to be made. If requested, furnish survey data to substantiate quantities.

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- b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
  - c. Include costs of labor and supervision directly attributable to the change for the hours anticipated for the additional work, including social security, old age and unemployment insurance, fringe benefits, and workmen's compensation insurance. (example of what will not be accepted is the labor cost of supervision for 5 days when the additional work only is for one day.)
  - d. Include an updated Contractor's Construction Schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start, and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
2. The Contractor may initiate proposals if latent or unforeseen conditions require modifications to the Contract, Contractor may propose changes by submitting a request for a change to Consultant.
- a. Include a statement outlining reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and the Contract Time.
  - b. Include a list of quantities of (plus or minus) the materials and/or products required with unit prices, total amount of purchases, and credits to be made. If requested, furnish survey data to substantiate quantities.
  - c. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
  - d. Include costs of labor and supervision directly attributable to the change, including social security, old age and unemployment insurance, fringe benefits, and workmen's compensation insurance.
  - e. Include an updated Contractor's Construction Schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
  - f. Comply with requirements in Division 1 Section, of the Technical Specifications "Product Requirements" if the proposed change requires substitution of one product or system for product or system specified.

- B. An alternative method to price the changes in the work is to utilize current “Mean’s Cost Data”.
- C. Profit and Overhead shall not exceed ten percent (10%) of the cost of the changes to the Work.
- D. Use Proposal Request Form in the specifications. The Contractor shall prepare three copies, one for the Consultant, one for the Owner and one for himself and for all parties to sign. Each shall keep a copy.
- E. Each Proposal shall include detail information from the sub-contractor(s) and supplier concerning the cost(s) for the Proposal.
- F. The Contractor shall be responsible for keeping and updating a “Proposal Request Log”, listing all Proposal Requests and Minor Changes. The log shall also indicate the date of the Proposal Request, approval date, action taken, running balances, and a complete description of the change.
- G. After all parties have signed “The Proposal Request Form”, it shall be the Contractor’s authorization to proceed with the changes to the Work. Work shall not start until all parties agree to the change order.
- H. If the Owner and Contractor do not agree with the requested adjustment in the Contract Sum, the Contract Time or the method of determining each, the provisions for Mediation shall be utilized.

## **1.8 CHANGE ORDER PROCEDURES**

- A. The Consultant shall issue a Change Order for signatures once all of the Proposal Request(s) amounts exceeds the contingency amount of \$30,000 or at the end of the project.
- B. The Contractor shall not invoice for the Change Order until it has been executed by all parties.

## **1.9 CONSTRUCTION CHANGE DIRECTIVE**

- A. The Consultant may issue a Construction Change Directive that has been signed by the Owner to the Contractor directing a change in the Work. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.

1. Work Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.
- B. Upon receipt of a Construction Change Directive, the Contractor shall promptly proceed with the change in the Work involved. And the Contractor shall advise the Consultant of the Contractor's agreement or disagreement with the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.
- C. The Contractor shall maintain detailed records on a time and material basis of work required by the Construction Change Directive.
  1. After completion of change, **submit an itemized account and supporting data** necessary to substantiate cost and time adjustments to the Contract.

## **PART 2 - PRODUCTS (Not Used)**

## **PART 3 - EXECUTION**

### **3.1 PROCESSING CHANGE ORDERS**

- A. The Change Order will be issued describing the change or changes to the Work and/or Contract Documents and will refer to the Proposal Requests.
- B. The Consultant shall issue one copy of the Change Order to the Contractor. The Contractor shall promptly sign the copy and return the copy to the Consultant who will sign the Change Order and forward the Change Order to the Owner to execute.
- C. Once the Change Order has been full executed, a copy shall be forwarded to the Consultant and to the Contractor for their files.

**END OF SECTION 01 25 00**

**SECTION 01 27 00**  
**UNIT PRICES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for unit prices.
- B. Related Sections include the following:
  - a) Division 1, of the Technical Specifications Section "Allowances" for procedures for using unit prices to adjust quantity allowances.
  - b) Division 1, of the Technical Specifications Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
  - c) Division 1, of the Technical Specifications Section "Quality Requirements" for general testing and inspecting requirements.

**1.3 DEFINITIONS**

- A. Unit price is an amount proposed by bidders, stated on the Bid Form, as a price per unit of measurement for materials or services added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased.

**1.4 PROCEDURES**

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, taxes, overhead, and profit.
- B. Measurement and Payment: Refer to individual Technical Specifications Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.

- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent agent.
- D. List of Unit Prices: A list of unit prices is included at the end of this of the Technical Specifications Section. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

- 3.1 LIST OF UNIT PRICES: Unit prices shall include all labor, equipment required, material, freight, safety harnesses, profit and overhead. In paragraph and subparagraphs below, remove text enclosed in angle brackets and insert text to suit Project. See Evaluations for model text.
  - A. Quote a separate unit price (per unit) for removing existing control/construction caulk and backing rod and installing new backing rod and caulk per linear foot.
  - B. Preparing and wet sealing the windows, between the glass and the window frame per linear foot.

END OF SECTION 01 27 00

**SECTION 01 29 00**  
**PAYMENT PROCEDURES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section specifies administrative and procedural requirements necessary to prepare and process Applications for Payment.
- B. Related Sections include the following:
1. Division 1, of the Technical Specifications Section "Allowances" for procedural requirements governing handling and processing of allowances.
  2. Division 1, of the Technical Specifications Section "Unit Prices" for administrative requirements governing use of unit prices.
  3. Division 1, of the Technical Specifications Section "Contract Modification Procedures" for administrative procedures for handling changes to the Contract.
  4. Division 1, of the Technical Specifications Section "Construction Progress Documentation" for administrative requirements governing preparation and submittal of Contractor's Construction Schedule and Submittals Schedule.

**1.3 DEFINITIONS**

- A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

**1.4 SCHEDULE OF VALUES**

- A. Coordination: Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule.
1. Correlate line items in the Schedule of Values with other required administrative forms and schedules, including the following:
    - a. Application for Payment form AIA G702.
    - b. Continuation Sheet form AIA G703.

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- c. Conditional Waiver and Leans – AIA Document
  - d. Invoices or statements that are not AIA documents will not be considered for payment request.
2. The Owner shall retain 10% retainage on material and labor until the completion of the project and all close out documents have been submitted and accepted. This includes all shop drawings and As Built. The retainage shall be calculated based on the total accumulative amount being billed.
  3. Submit the Schedule of Values to the Consultant at earliest possible date but no later than fourteen days before the date scheduled for submittal of initial Applications for Payment.
  4. Sub-schedules: Where the Work is separated into phases requiring separately phased payments, provide sub-schedules showing values correlated with each phase of payment.
- B. Format and Content: Use the Project Manual table of contents as a guide to establish line items for the Schedule of Values. Provide at least one line item for each of the Technical Specifications Section and line item for potential billing against the Construction Contingency Allowance.
1. Identification: Include the following Project information on the Schedule of Values:
    - a. Project name and location.
    - b. Name of Consultant.
    - c. Contract number.
    - d. Contractor's name and address.
    - e. Date of submittal.
  2. Arrange the Schedule of Values in tabular form with separate columns to indicate the following for each item listed:
    - a. Related Technical Specifications Section or Division.
    - b. Description of the Work.
    - c. Name of subcontractors.
    - d. Name of manufacturer or fabricator.
    - e. Name of suppliers.
    - f. Change Orders (numbers) that affect value.
    - g. Dollar value.
  3. Group items that are “Non-Tangible & Non-Taxable and Tangible & Taxable Items” on the Schedule of Values (see VII. Forms, Continuation Sheet).

4. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with the Project Manual table of contents. Provide several line items for principal subcontract amounts, where appropriate.
5. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
6. Provide a separate line item in the Schedule of Values for each part of the Work where Applications for Payment may include labor and materials and/or equipment purchased or fabricated and stored, but not yet installed.
  - a. Differentiate between items stored on-site and items stored off-site. Include evidence of insurance or bonded warehousing if required.
7. Provide separate line items in the Schedule of Values for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.
8. Closeout documentation: Provide a separate line item in the Schedule of Values for close out documentation as set forth in the Supplementary Conditions.
9. Each item in the Schedule of Values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.
  - a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown as separate line items in the Schedule of Values or distributed as general overhead expense, at Contractor's option.
10. Schedule Updating: Update and resubmit the Schedule of Values before the next Applications for Payment when Change Orders result in a change in the Contract Sum.

#### 1.5 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as certified by the Consultant and paid for by Owner.
  1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involves additional requirements.

2. Contractor Coordination Drawings or Construction schedule are required within 60 calendar days of the issued Notice-to-Proceed. Failure to provide requirements shall result in delays of Application for Payment.
- B. Such applications shall not include requests for payment of amounts the Contractor does not intend to pay to a Subcontractor or material supplier because of a dispute or other reason.
  - C. Unless otherwise provided in the Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the work. If approved in advance by the Owner, payment may similarly be made for materials and equipment suitably stored off the site at a location agreed upon in writing. Payment for material and equipment stored on or off the site shall be conditioned upon compliance by the Contractor with procedures satisfactory to the Owner to establish the Owner's title to such material and equipment or otherwise protect the Owner's interest, and shall include applicable insurance, storage and transportation to the site for such material and equipment stored off the site.

The Contractor warrants that title to all Work covered by an Application and Certificate for payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application and Certificate for payment all work for which Certificates for payment have been previously issued and payment received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of claims of liens, claims, security, interests, or encumbrances in favor of the Contractor, Subcontractors, material suppliers, or other persons or entities making a claim by reason of having provided labor, materials, and equipment relating to the Work.

- D. Payment Application Times: Each Month, the County can make a partial payment to the Contractor on the basis of a duly notarized Application and Certification for Payment approved and certified by the Consultant. The contractor shall also include a partial release of liens on AIA document.
  - E. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. The Consultant will return incomplete applications without action.
1. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions were made.

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2. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.
    - a. Nothing in this section shall prevent the prime Contractor at the time of application and certification to the Owner from withholding application and certification to the Owner for payment to the subcontractor for unsatisfactory job progress; defective construction not remedied; disputed work; third party claims filed or reasonable evidence that claim will be filed; failure of subcontractor to make timely payments for labor, equipment, and materials; damage to prime Contractor or another subcontractor; reasonable evidence that subcontract cannot be completed for the unpaid balance of the subcontract sum; or a reasonable amount for retainage not to exceed the initial percentage retained by the Owner.
    - b. Nothing in this section shall prevent the Owner from withholding payment to the Contractor in addition to the amounts authorized by this section for unsatisfactory job progress, defective construction not remedied, disputed work, or third-party claims filed against the Owner or reasonable evidence that a third-party claim will be filed.
    - c. Provide a separate line item for the allowance item uses the allowance for payment.
  4. Provide a separate line item in the Schedule of values for close out documentation as set forth in the Supplementary Conditions.
- F. Transmittal: Submit one (1) signed and notarized electronic (pdf format) copy of each Application for Payment with required Conditional Partial Release of Lien to the Consultant.
  - G. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.
  - H. With each Application and Certification for payment, the Contractor must furnish for themselves, as well as for all Subcontractors, certified statements stating the cost of the property purchased from each vendor and the amount of sales and/or use taxes paid. See General Conditions, Sales and Use Tax for additional information.
  - I. Application for Payment at Substantial Completion: After issuing the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.

- J. Neither Final payment nor any remaining retained percentage shall become due until the Contractor submits the following to the Consultant for approval:
1. An affidavit that payrolls, bills for material and other indebtedness connected with the Work has been paid or otherwise satisfied will be required with each payment request,
  2. A certificate evidencing that insurance required by the Contract Document to remain in force after Final payment is currently in effect and will not be canceled or allowed to expire until at least 30 days' prior written notice has been given to the Owner,
  3. Consent of surety to Final payment and
  4. If required by the Owner, other data establishing payment or satisfaction of obligations, such as receipts, releases and waivers of claim of liens, claims security interests or encumbrances arising out of the Contract, to the extent and in such form as may be designated by the Owner. If the Subcontractor refuses to furnish a release or waiver required by the Owner, the Contractor may furnish a bond satisfactory to the Owner to indemnify the Owner against such claim of lien. If such claim of lien remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging such claim, including all costs and reasonable attorneys' fees.
  5. A list of all suppliers and subcontractors that were involved with the project. As part of the list, the Contractor shall include the address, phone number, what they supplied or Work performed, and a contact name.
  6. "As-Builts" Drawings and all other specified closeout documents.
  7. Sales Tax information.
  8. Maintenance and Operation instructions and guarantees.
- J. Final Payment Application: Submit one electronic copy (pdf format) of the final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
1. Warranties and Test results required by the Contract Documents.
  2. Updated final statement, accounting for final changes to the Contract Sum.
  3. AIA Document G706, "Contractor's Affidavit of Payment of Debts and Claims."

4. AIA Document G706A, "Contractor's Affidavit of Release of Liens." Final
5. AIA Document G707, "Consent of Surety to Final Payment."
6. AIA Document G702.
7. AIA Document G703.
8. Additional Evidence that claims have been settled if required by the Owner. An example of the evidence could be a letter from a subcontractor indicating that he has been paid in full for the work that he has performed.
9. Certificates from all local and State Governing Agencies as required by Law.
10. Final liquidated damages settlement statement.
11. List of Subcontractors and Suppliers that has contributed to the completion of the Work. The list shall include:
  - a. Material they supplied or type of construction they performed.
  - b. Address
  - c. Contact person
  - d. Phone number

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 29 00

**SECTION 01 32 00**  
**CONSTRUCTION PROGRESS DOCUMENTATION**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
1. Preliminary Construction Schedule.
  2. Contractor's Construction Schedule.
  3. Submittals Schedule.
  4. Daily construction reports.
  5. Construction photographs.
- B. Related Sections include the following:
1. Division 1, of the Technical Specifications Section "Payment Procedures" for submitting the Schedule of Values.
  2. Division 1, of the Technical Specifications Section "Project Management and Coordination" for submitting and distributing meeting and conference minutes.
  3. Division 1, of the Technical Specifications Section "Submittal Procedures" for submitting schedules and reports.
  4. Division 1, of the Technical Specifications Section "Quality Requirements" for submitting a schedule of tests and inspections.
  5. Division 1, of the Technical Specifications Section "Closeout Procedures" for Project Record Documents at Project closeout.
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### 1.3 SUBMITTALS

- A. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of Consultants and owners, and other information specified. The date shall be submitted for any change of construction personal.
- B. Preliminary Construction Schedule: Submit three printed copies; one a single sheet, of the Preliminary Construction Schedule.
- C. Contractor's Construction Schedule: Submit three printed copies of initial schedule, large enough to show entire schedule for entire construction period.
  - 1. Submit an electronic copy of schedule, excel grant chart. Include type of schedule (Initial or Updated) and date on label.
- D. Daily Construction Reports: Submit two copies at monthly intervals.
- E. Submittals Schedule: Submit three copies of schedule. Arrange the following information in a tabular format:
  - 1. Scheduled date for first submittal.
  - 2. Of the Technical Specifications Section number and title.
  - 3. Submittal category (action or informational).
  - 4. Name of subcontractor.
  - 5. Description of the Work covered.
  - 6. Scheduled date for Consultant's final release or approval.
- F. Construction Photographs: Submit of each photographic view within seven (7) days of taking photographs.
  - 1. Identification: In the title of the picture, indicate the area taken.

### 1.4 COORDINATION

- A. Coordinate preparation and processing of schedules and daily construction reports with performance of construction activities and with scheduling and reporting of separate contractors.

- B. Coordinate Contractor's Construction Schedule with the Schedule of Values, list of subcontracts, Submittals Schedule, payment requests, and other required schedules and reports.
  - 1. Secure time commitments for performing critical elements of the Work from parties involved.
  - 2. Coordinate each construction activity in the network with other activities and schedule them in proper sequence.

## PART 2 - PRODUCTS

### 2.1 SUBMITTALS SCHEDULE

- A. Preparation: Submit a schedule of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, re-submittal, ordering, manufacturing, fabrication, and delivery when establishing dates.
  - 1. Coordinate Submittals Schedule with list of subcontracts, the Schedule of Values, and Contractor's Construction Schedule.
  - 2. Initial Submittal: Submit concurrently with preliminary bar-chart schedule. Include submittals required during the first 60 days of construction. List those required to maintain orderly progress of the Work and those required early because of long lead time for manufacture or fabrication.
    - a) At Contractor's option, show submittals on the Preliminary Construction Schedule, instead of tabulating them separately.
  - 3. Final Submittal: Submit concurrently with the first complete submittal of Contractor's Construction Schedule.

### 2.2 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

- A. Time Frame: Extend schedule from date established for the Notice to Proceed, through the date of Substantial Completion and Final Completion.
  - 1. Contract completion date shall not be changed, unless specifically authorized by Change Order.

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- B. Activities: Treat each area or separate area as a separate numbered activity for each principal element of the Work. Comply with the following:
1. Activity Duration: Define activities of each activity per area.
  2. Procurement Activities: Include procurement process activities for long lead items and major items, requiring a cycle of more than 60 days, as separate activities in schedule. Procurement cycle activities include, but are not limited to, submittals, approvals, purchasing, fabrication, and delivery.
  3. Submittal Review Time: Include review and re-submittal times indicated in Division 1 Section "Submittal Procedures" in schedule. Coordinate submittal review times in Contractor's Construction Schedule with Submittals Schedule.
  4. Substantial Completion: Indicate completion in advance of date established for Substantial Completion and allow time for Consultant's administrative procedures necessary for certification of Substantial Completion.
- C. Constraints: Include constraints and work restrictions indicated in the Contract Documents and as follows in the schedule, and show how the sequence of the Work is affected.
1. Phasing: Arrange list of activities on schedule by phase.
  2. Work Restrictions: Show the effect of the following items on the schedule:
    - a) Coordination with existing construction.
    - b) Limitations of continued occupancies.
    - c) Uninterruptible services.
    - d) Partial occupancy before Substantial Completion.
    - e) Use of premises restrictions.
    - f) Environmental control.
  3. Work Stages: Indicate important stages of construction for each major portion of the Work, including, but not limited to, the following:
    - a. Submittals.
    - b. Purchases.
    - c. Mockups.
    - d. Fabrication.

- e. Sample testing.
  - f. Deliveries.
  - g. Installation.
  - h. Tests and inspections.
  - i. Startup and placement into final use and operation.
- D. Milestones: If not included in the Construction Documents, milestones shall be indicated in the Construction Schedule for the Consultant's and Owner's approval and shall be reference points of the construction progress.
- E. Contract Modifications: For each proposed contract modification and concurrent with its submission, prepare a time-impact analysis using fragments to demonstrate the effect of the proposed change on the overall project schedule.
- F. Computer Software: Prepare schedules using a program that has been developed specifically to manage construction schedules.
- 1. Excel Gant Chart.

### 2.3 PRELIMINARY CONSTRUCTION SCHEDULE

- A. Bar-Chart Schedule: Submit preliminary horizontal bar-chart-type construction schedule within seven (7) days of date established for the Notice to Proceed. Excel has a Gant Chart Template (Bar-Chart Schedule).
- B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line. Outline significant construction activities for first 60 days of construction. Include skeleton diagram for the remainder of the Work.
- A. Schedule Updating: Concurrent with making revisions to schedule, prepare tabulated reports showing the following:
- 1. Identification of activities that have changed.
  - 2. Changes in early and late start dates.
  - 3. Changes in early and late finish dates.
  - 4. Changes in activity durations in workdays.
  - 5. Changes in the critical path.
  - 6. Changes in total float or slack time.
  - 7. Changes in the Contract Time.

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## 2.4 REPORTS

- A. Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at Project site:
1. List of Subcontractors at Project site.
  2. List of separate Contractors at Project site.
  3. Approximate count of personnel at Project site.
  4. High and low temperatures and general weather conditions.
  5. Accidents.
  6. Meetings and significant decisions.
  7. Unusual events (refer to special reports).
  8. Stoppages, delays, shortages, and losses.
  9. Services connected and disconnected.
  10. Equipment or system tests and startups.
  11. Visitors to the site
  12. Activities accomplished that day

## PART 3 - EXECUTION

### 3.1 CONTRACTOR'S CONSTRUCTION SCHEDULE

- A. Contractor's Construction Schedule Updating: At monthly intervals, update schedule to reflect actual construction progress and activities. Issue schedule one week before each regularly scheduled progress meeting.
1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.
  2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
  3. As the Work progresses, indicate Actual Completion percentage for each activity.
- B. Distribution: Distribute copies of approved schedule to Consultant, Owner, separate Contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
1. Post copies in Project meeting rooms and temporary field offices.

2. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

3.2 CONSTRUCTION PHOTOGRAPHS

- A. Provide per 01 32 20.

END OF SECTION 01 32 00

**SECTION 01 32 00**  
**CONSTRUCTION PROGRESS DOCUMENTATION**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
1. Preliminary Construction Schedule.
  2. Contractor's Construction Schedule.
  3. Submittals Schedule.
  4. Daily construction reports.
  5. Construction photographs.
- B. Related Sections include the following:
1. Division 1, of the Technical Specifications Section "Payment Procedures" for submitting the Schedule of Values.
  2. Division 1, of the Technical Specifications Section "Project Management and Coordination" for submitting and distributing meeting and conference minutes.
  3. Division 1, of the Technical Specifications Section "Submittal Procedures" for submitting schedules and reports.
  4. Division 1, of the Technical Specifications Section "Quality Requirements" for submitting a schedule of tests and inspections.
  5. Division 1, of the Technical Specifications Section "Closeout Procedures" for Project Record Documents at Project closeout.
- 1.

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### 1.3 SUBMITTALS

- A. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of Consultants and owners, and other information specified. The date shall be submitted for any change of construction personal.
- B. Preliminary Construction Schedule: Submit three printed copies; one a single sheet, of the Preliminary Construction Schedule.
- C. Contractor's Construction Schedule: Submit three printed copies of initial schedule, large enough to show entire schedule for entire construction period.
  - 1. Submit an electronic copy of schedule, excel grant chart. Include type of schedule (Initial or Updated) and date on label.
- D. Daily Construction Reports: Submit two copies at monthly intervals.
- E. Submittals Schedule: Submit three copies of schedule. Arrange the following information in a tabular format:
  - 1. Scheduled date for first submittal.
  - 2. Of the Technical Specifications Section number and title.
  - 3. Submittal category (action or informational).
  - 4. Name of subcontractor.
  - 5. Description of the Work covered.
  - 6. Scheduled date for Consultant's final release or approval.
- F. Construction Photographs: Submit of each photographic view within seven (7) days of taking photographs.
  - 1. Identification: In the title of the picture, indicate the area taken.

### 1.4 COORDINATION

- A. Coordinate preparation and processing of schedules and daily construction reports with performance of construction activities and with scheduling and reporting of separate contractors.

- B. Coordinate Contractor's Construction Schedule with the Schedule of Values, list of subcontracts, Submittals Schedule, payment requests, and other required schedules and reports.
  - 1. Secure time commitments for performing critical elements of the Work from parties involved.
  - 2. Coordinate each construction activity in the network with other activities and schedule them in proper sequence.

## PART 2 - PRODUCTS

### 2.1 SUBMITTALS SCHEDULE

- A. Preparation: Submit a schedule of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, re-submittal, ordering, manufacturing, fabrication, and delivery when establishing dates.
  - 1. Coordinate Submittals Schedule with list of subcontracts, the Schedule of Values, and Contractor's Construction Schedule.
  - 2. Initial Submittal: Submit concurrently with preliminary bar-chart schedule. Include submittals required during the first 60 days of construction. List those required to maintain orderly progress of the Work and those required early because of long lead time for manufacture or fabrication.
    - a) At Contractor's option, show submittals on the Preliminary Construction Schedule, instead of tabulating them separately.
  - 3. Final Submittal: Submit concurrently with the first complete submittal of Contractor's Construction Schedule.

### 2.2 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

- A. Time Frame: Extend schedule from date established for the Notice to Proceed, through the date of Substantial Completion and Final Completion.
  - 1. Contract completion date shall not be changed, unless specifically authorized by Change Order.

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- B. Activities: Treat each area or separate area as a separate numbered activity for each principal element of the Work. Comply with the following:
1. Activity Duration: Define activities of each activity per area.
  2. Procurement Activities: Include procurement process activities for long lead items and major items, requiring a cycle of more than 60 days, as separate activities in schedule. Procurement cycle activities include, but are not limited to, submittals, approvals, purchasing, fabrication, and delivery.
  3. Submittal Review Time: Include review and re-submittal times indicated in Division 1 Section "Submittal Procedures" in schedule. Coordinate submittal review times in Contractor's Construction Schedule with Submittals Schedule.
  4. Substantial Completion: Indicate completion in advance of date established for Substantial Completion and allow time for Consultant's administrative procedures necessary for certification of Substantial Completion.
- C. Constraints: Include constraints and work restrictions indicated in the Contract Documents and as follows in the schedule, and show how the sequence of the Work is affected.
1. Phasing: Arrange list of activities on schedule by phase.
  2. Work Restrictions: Show the effect of the following items on the schedule:
    - a) Coordination with existing construction.
    - b) Limitations of continued occupancies.
    - c) Uninterruptible services.
    - d) Partial occupancy before Substantial Completion.
    - e) Use of premises restrictions.
    - f) Environmental control.
  3. Work Stages: Indicate important stages of construction for each major portion of the Work, including, but not limited to, the following:
    - a. Submittals.
    - b. Purchases.
    - c. Mockups.
    - d. Fabrication.

- e. Sample testing.
  - f. Deliveries.
  - g. Installation.
  - h. Tests and inspections.
  - i. Startup and placement into final use and operation.
- D. Milestones: If not included in the Construction Documents, milestones shall be indicated in the Construction Schedule for the Consultant's and Owner's approval and shall be reference points of the construction progress.
- E. Contract Modifications: For each proposed contract modification and concurrent with its submission, prepare a time-impact analysis using fragments to demonstrate the effect of the proposed change on the overall project schedule.
- F. Computer Software: Prepare schedules using a program that has been developed specifically to manage construction schedules.
- 1. Excel Gant Chart.

### 2.3 PRELIMINARY CONSTRUCTION SCHEDULE

- A. Bar-Chart Schedule: Submit preliminary horizontal bar-chart-type construction schedule within seven (7) days of date established for the Notice to Proceed. Excel has a Gant Chart Template (Bar-Chart Schedule).
- B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line. Outline significant construction activities for first 60 days of construction. Include skeleton diagram for the remainder of the Work.
- A. Schedule Updating: Concurrent with making revisions to schedule, prepare tabulated reports showing the following:
- 1. Identification of activities that have changed.
  - 2. Changes in early and late start dates.
  - 3. Changes in early and late finish dates.
  - 4. Changes in activity durations in workdays.
  - 5. Changes in the critical path.
  - 6. Changes in total float or slack time.
  - 7. Changes in the Contract Time.

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## 2.4 REPORTS

- A. Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at Project site:
1. List of Subcontractors at Project site.
  2. List of separate Contractors at Project site.
  3. Approximate count of personnel at Project site.
  4. High and low temperatures and general weather conditions.
  5. Accidents.
  6. Meetings and significant decisions.
  7. Unusual events (refer to special reports).
  8. Stoppages, delays, shortages, and losses.
  9. Services connected and disconnected.
  10. Equipment or system tests and startups.
  11. Visitors to the site
  12. Activities accomplished that day

## PART 3 - EXECUTION

### 3.1 CONTRACTOR'S CONSTRUCTION SCHEDULE

- A. Contractor's Construction Schedule Updating: At monthly intervals, update schedule to reflect actual construction progress and activities. Issue schedule one week before each regularly scheduled progress meeting.
1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.
  2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
  3. As the Work progresses, indicate Actual Completion percentage for each activity.
- B. Distribution: Distribute copies of approved schedule to Consultant, Owner, separate Contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
1. Post copies in Project meeting rooms and temporary field offices.

2. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

3.2 CONSTRUCTION PHOTOGRAPHS

- A. Provide per 01 32 20.

END OF SECTION 01 32 00

**SECTION 01 32 20**  
**PHOTOGRAPHIC DOCUMENTATION (DIGITAL)**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for the following:
1. Preconstruction photographs.
  2. Periodic construction photographs.
  3. Final Completion construction photographs.
- B. Related Sections include the following:
1. Division 1 Section "Submittal Procedures" for submitting construction photographs.

**1.3 SUBMITTALS**

- A. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of Consultants and owners, and other information specified.
- B. Construction Photographs: Submit 1 digital of each photographic view within 7 days of taking photographs.
1. Format: Digital "JPEG".
  2. Digital Images: Submit a complete set of digital image electronic files as a Project Record Document. Identify electronic media with date photographs were taken. Submit images that have the same aspect ratio as the sensor, uncropped.
  - 3.

#### 1.4 COORDINATION

- A. Auxiliary Services: Cooperate with photographer and provide auxiliary services requested, including access to Project site and use of temporary facilities including temporary lighting.

### PART 2 - EXECUTION

#### 2.1 PHOTOGRAPHS, GENERAL

- A. Date Stamp: Unless otherwise indicated, date and time stamp each photograph as it is being taken so stamp is integral to photograph.

#### 2.2 CONSTRUCTION PHOTOGRAPHS

- A. Preconstruction Photographs: Before starting construction, take color photographs of Project site and surrounding properties from different vantage points.
  - 1. Take minimum 4 photographs to show existing conditions of each side of building adjacent to the property before starting the Work.
  - 2. Take minimum 4 photographs of existing buildings either on or adjoining the property to accurately record the physical conditions at the start of construction.
- B. Periodic Construction Photographs: Take color digital photographs to document progress. Photographer shall select vantage points to best show status of construction and progress since the last photographs were taken. Submit the photographs with each payment request.
- C. Final Completion Construction Photographs: Take minimum 10 digital color photographs of each project after date of Substantial Completion for submission as Project Record Documents. Consultant will direct photographer for desired vantage points.
  - 1. Do not include date stamp.

END OF SECTION 01 32 20

**SECTION 01 33 00**  
**SUBMITTAL PROCEDURES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other miscellaneous submittals.
- B. Related Sections include the following:
  - 1. Division 1, of the Technical Specifications Section "Payment Procedures" for submitting Applications for Payment.
  - 2. Division 1, of the Technical Specifications Section "Project Management and Coordination" for submitting Coordination Drawings.
  - 3. Division 1, of the Technical Specifications Section "Photographic Documentation" for submitting periodic construction photographs.
  - 4. Division 1, of the Technical Specifications Section "Quality Requirements" for test and inspection reports and Delegated-Design Submittals and for erecting mockups.
  - 5. Division 1, of the Technical Specifications Section "Closeout Procedures" for submitting warranties.
  - 6. Division 1, of the Technical Specifications Section "Project Record Documents" for submitting Record Drawings, Record Specifications, and Record Product Data.
  - 7. Division 1, of the Technical Specifications Section "Operation and Maintenance Data" for operation and maintenance manual requirements.

**1.3 DEFINITIONS**

- A. Action Submittals: Written and graphic information that requires Consultant's responsive action.
- B. Informational Submittals: Written information that does not require Consultant's approval. Submittals may be rejected for not complying with requirements.

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## 1.4 SUBMITTAL PROCEDURES

- A. The Contractor shall provide the submittals as required by the Consultant's Submittal Log and the Contract Documents.
- B. General: Electronic copies of PDF Drawings of the Contract Drawings will be provided by Consultant for Contractor's use in preparing submittals. The contractor shall initial each drawing as submittal for the details to be used for the project.
- C. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
  - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
  - 2. Coordinate transmittal of different types of submittals for related parts of the Work so processing will not be delayed because of need to review submittals concurrently for coordination.
    - a. Consultant reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
- D. Submittals Schedule: Comply with requirements in Division 1, of the Technical Specifications Section "Construction Progress Documentation" for list of submittals and time requirements for scheduled performance of related construction activities. (Submittal Log)
- E. Processing Time: Allow enough time for submittal review, including time for re-submittals, as follows. Time for review shall commence on Consultant's receipt of submittal.
  - 1. Initial Review: Allow seven (7) days for initial review of each submittal. Allow additional time if processing must be delayed to permit coordination with subsequent submittals. Consultant will advise Contractor when a submittal being processed must be delayed for coordination.
  - 2. Concurrent Review: Where concurrent review of submittals by Consultant's consultants, Owner, or other parties is required, allow twenty one (21) days for initial review of each submittal.
  - 3. If intermediate submittal is necessary, process it in same manner as initial submittal.
  - 4. Allow seven (7) days for processing each re-submittal.
  - 5. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing.
- F. Identification: Place a permanent label or title block on each submittal for identification.

1. Indicate name of firm or entity that prepared each submittal on label or title block.
  2. Provide a space approximately 4 by 5 inches on label or beside title block to record Contractor's review and approval markings and action taken by Consultant.
  3. Include the following information on label for processing and recording action taken:
    - a. Project name.
    - b. Date.
    - c. Name and address of Consultant.
    - d. Name and address of Contractor.
    - e. Name and address of subcontractor.
    - f. Name and address of supplier.
    - g. Name of manufacturer.
    - h. Unique identifier, including related specification section/number and revision number.
    - i. Number and title of appropriate Technical Specifications Section.
    - j. Drawing number and detail references, as appropriate.
    - k. Other necessary identification.
- G. Deviations: Highlight, encircle, or otherwise identify deviations from the Contract Documents on submittals.
- H. Additional Copies: Unless additional copies are required for final submittal, and unless Consultant observes noncompliance with provisions of the Contract Documents, initial submittal may serve as final submittal.
1. Submit one copy of submittal to concurrent reviewer in addition to specified number of copies to Consultant.
  2. Additional copies submitted for maintenance manuals will be marked with action taken and will be returned.
- I. Transmittal: Package each submittal individually and appropriately for transmittal and handling. Transmit each submittal using a transmittal form. Consultant will return submittals, without review, received from sources other than Contractor.
1. On an attached separate sheet, prepared on Contractor's letterhead, record relevant information, requests for data, revisions other than those requested by Consultant on previous submittals, and deviations from requirements of the Contract Documents, including minor variations and limitations. Include the same label information as the related submittal.
  2. Include Contractor's certification stating that information submitted complies with requirements of the Contract Documents.
  3. Transmittal Form: Use on form to be defined by the Consultant.

- J. Distribution: Furnish copies of final submittals to manufacturers, Subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.
- K. Use for Construction: Use only final submittals with mark indicating action taken by Consultant in connection with construction.

## PART 2 - PRODUCTS

### 2.1 ACTION SUBMITTALS

- A. General: Prepare and submit Action Submittals required by individual Specification Sections.
  - 1. Number of Copies: Submit one electric copy of shop drawings and data to the consultant.
- B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
  - 1. If information must be specially prepared for submittal because standard printed data are not suitable for use, submit as Shop Drawings, not as Product Data.
  - 2. Mark each copy of each submittal to show which products and options are applicable.
  - 3. Include the following information, as applicable:
    - a. Manufacturer's written recommendations.
    - b. Manufacturer's product specifications.
    - c. Manufacturer's installation instructions.
    - d. Standard color charts.
    - e. Manufacturer's catalog cuts.
    - f. Wiring diagrams showing factory-installed wiring.
    - g. Printed performance curves.
    - h. Operational range diagrams.
    - i. Mill reports.
    - j. Standard product operating and maintenance manuals.
    - k. Compliance with recognized trade association standards.
    - l. Compliance with recognized testing agency standards.
    - m. Application of testing agency labels and seals.
    - n. Notation of coordination requirements.
    - o. Manufacturer's location.

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- C. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data.
1. Preparation: Include the following information, as applicable:
    - a. Dimensions.
    - b. Identification of products.
    - c. Fabrication and installation drawings.
    - d. Roughing-in and setting diagrams and existing conditions.
    - e. Schedules.
    - f. Compliance with specified standards.
    - g. Notation of coordination requirements.
    - h. Notation of dimensions established by field measurement.
  2. Sheet Size: Except for templates, patterns, and similar full-size drawings, submit Shop Drawings on sheets at least 8-1/2 by 11 inches but no larger than 24 by 36 inches.
- D. Coordination Drawings: Comply with requirements in Division 1 Section "Project Management and Coordination."
- E. Samples: Prepare physical units of materials or products, including the following:
1. Comply with requirements in Division 1 Section "Quality Requirements" for mockups. Verify the samples are true presentation of the materials to be used.
  2. Samples for Initial Selection: Submit manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available.
  3. Preparation: Mount, display, or package Samples in manner specified to facilitate review of qualities indicated. Prepare Samples to match Consultant's sample where so indicated. Attach label on unexposed side that includes the following:
    - a. Generic description of Sample.
    - b. Product name or name of manufacturer.
    - c. Sample source.
  4. Additional Information: On an attached separate sheet, prepared on Contractor's letterhead, provide the following:
    - a. Size limitations.
    - b. Compliance with recognized standards.
    - c. Availability.
    - d. Delivery time.

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- 5. Submit Samples for review of kind, color, pattern, and texture for a final check of these characteristics with other elements and for a comparison of these characteristics between final submittal and actual component as delivered and installed.
    - a. If variation in color, pattern, texture, or other characteristic is inherent in the product represented by a Sample, submit at least three sets of paired units that show approximate limits of the variations. The consultant will return submittal with the option selected.
    - b. Refer to individual Specification Sections for requirements for Samples that illustrate workmanship, fabrication techniques, details of assembly, connections, operation, and similar construction characteristics.
  
  - 6. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
    - a. Samples that may be incorporated into the Work are indicated in individual Specification Sections. Such Samples must be in an undamaged condition at time of use.
    - b. Samples not incorporated into the Work, or otherwise designated as Owner's property, are the property of Contractor.
  
  - F. Product Schedule or List: Prepare a written summary indicating types of products required for the Work and their intended location. Include the following information in tabular form:
    - 1. Type of product. Include unique identifier for each product.
  
  - G. Submittals Schedule: Comply with requirements in Division 1 Section "Construction Progress Documentation."
  
  - H. Application for Payment: Comply with requirements in Division 1 Section "Payment Procedures."
  
  - I. Schedule of Values: Comply with requirements in Division 1 Section "Payment Procedures."
  
  - J. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form:

1. Name, address, and telephone number of entity performing subcontract or supplying products.

## 2.2 INFORMATIONAL SUBMITTALS

- A. General: Prepare and submit Informational Submittals required by other Specification Sections.
  1. Number of Copies: Submit one copy of each submittal, unless otherwise indicated. Consultant will not return copies.
- B. Contractor's Construction Schedule: Comply with requirements in Division 1 Section "Construction Progress Documentation."
- C. Qualification Data: If requested, prepare written information that demonstrates capabilities and experience of firm or person. Include lists of completed projects with project names and addresses, names and addresses of Consultants and owners, and other information specified.
- D. Product Certificates: Prepare written statements on manufacturer's letterhead certifying that the contractor is certified to install their product and the product complies with requirements.
- E. Welding Certificates: Prepare written certification that welding procedures and personnel comply with requirements. Submit record of Welding Procedure Specification (WPS) and Procedure Qualification Record (PQR) on AWS forms. Include names of firms and personnel certified.
- F. Installer Certificates: Prepare written statements on manufacturer's letterhead certifying that Installer complies with requirements and, where required, is authorized for this specific Project.
- G. Manufacturer Certificates: Prepare written statements on manufacturer's letterhead certifying that manufacturer complies with requirements. Include evidence of manufacturing experience where required.
- H. Material Safety Data Sheets: Submit two copies for the Consultant and the Owner and keep a copy at the job site. Post warning signs when appropriate.

**PART 3 - EXECUTION****3.1 CONTRACTOR'S REVIEW**

- A. Review each submittal and check for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Consultant.
- B. Approval Stamp: Stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

**3.2 CONSULTANT'S ACTION**

- A. General: Consultant will not review submittals that do not bear Contractor's approval stamp and will return them without action.
- B. Action Submittals: Consultant will review each submittal, make marks to indicate corrections or modifications required, and return it. Consultant will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action taken, as follows:
- C. Informational Submittals: Consultant will review each submittal and will not return it, or will reject and return it if it does not comply with requirements. Consultant will forward each submittal to appropriate party.
- D. Submittals not required by the Contract Documents will not be reviewed and may be discarded unless a justification is also submitted.

END OF SECTION 01 33 00

**SECTION 01 40 00**  
**QUALITY REQUIREMENTS**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for quality assurance and quality control.
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.
1. Specific quality-control requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in those Sections may also cover production of standard products.
  2. Specified tests, inspections, and related actions do not limit Contractor's quality-control procedures that facilitate compliance with the Contract Document requirements.
  3. The Owner shall provide testing/observation by a testing agency of the welding of the structural steel. If the inspection does not pass, the contractor shall for all additional inspections by the material testing firm.
- C. Related Sections include the following:
1. Division 1, of the Technical Specifications Section "Construction Progress Documentation" for developing a schedule of required tests and inspections.
  2. Division 1, of the Technical Specifications Section "Cutting and Patching" for repair and restoration of construction disturbed by testing and inspecting activities.
  3. Divisions 2 through 48, of the Technical Specifications Sections for specific test and inspection requirements.

### 1.3 DEFINITIONS

- A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and ensure that proposed construction complies with requirements.
- B. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that completed construction comply with requirements. Services do not include contract enforcement activities performed by Consultant.
- C. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.

### 1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: A firm experienced in producing products similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- B. Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.
- C. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.
- D. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance.
- E. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or product that are similar to those indicated for this Project in material, design, and extent for a second option.

## 1.5 QUALITY CONTROL

- A. Owner Responsibilities: Where quality-control services are indicated as Owner's responsibility, Owner will engage a qualified testing agency to perform these services.
1. Owner will furnish Contractor with names, addresses, and telephone numbers of testing agencies engaged and a description of the types of testing and inspecting they are engaged to perform.
  2. Costs for retesting and re-inspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents will be charged to Contractor, and the Contract Sum will be adjusted by Change Order.
- B. Contractor Responsibilities: Unless otherwise indicated, provide quality-control services specified and required by authorities having jurisdiction.
1. Where services are indicated as Contractor's responsibility, engage a qualified testing agency to perform these quality-control services.
    - a. Contractor shall not employ the same entity engaged by Owner, unless agreed to in writing by Owner.
  2. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
  3. Where quality-control services are indicated as Contractor's responsibility, submit a certified written report, in duplicate, of each quality-control service.
  4. Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility.
  5. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.
- C. Special Tests and Inspections: Owner will engage a testing agency to conduct special tests and inspections required by authorities having jurisdiction as the responsibility of Owner.
1. Testing agency will notify Consultant and Contractor promptly of irregularities and deficiencies observed in the Work during performance of its services.
  2. Testing agency will submit a certified written report of each test, inspection, and similar quality-control service to Consultant with copy to Contractor and to authorities having jurisdiction.
  3. Testing agency will submit a final report of special tests and inspections at Substantial Completion, which includes a list of unresolved deficiencies.

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4. Testing agency will interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the Contract Documents.
  5. Testing agency will retest and re-inspect corrected work.
- D. Manufacturer's Field Services: Where indicated, engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Report results in writing.
- E. Retesting/Re-inspecting: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality-control services as requested by the Consultant at the Contractor's expense, including retesting and re-inspecting, for construction that revised or replaced Work, at the Contractor's expense, that failed to comply with requirements established by the Contract Documents.
- F. Testing Agency Responsibilities: Cooperate with Consultant and Contractor in performance of duties. Provide qualified personnel to perform required tests and inspections.
1. Notify Consultant and Contractor promptly of irregularities or deficiencies observed in the Work during performance of its services.
  2. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
  3. Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service through Contractor.
  4. Do not release, revoke, alter, or increase requirements of the Contract Documents or approve or accept any portion of the Work.
  5. Do not perform any duties of Contractor.
- G. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:
1. Access to the Work.
  2. Incidental labor and facilities necessary to facilitate tests and inspections.
  3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
  4. Facilities for storage and field-curing of test samples.
  5. Delivery of samples to testing agencies.
  6. Preliminary design mix proposed for use for material mixes that require control by testing agency.

7. Security and protection for samples and for testing and inspecting equipment at Project site.
- H. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and quality-control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.
  1. Schedule times for tests, inspections, obtaining samples, and similar activities.
- I. Schedule of Tests and Inspections: Prepare a schedule of tests, inspections, and similar quality-control services required by the Contract Documents. Submit schedule within 30 days of date established for the Notice to Proceed.
  1. Distribution: Distribute schedule to Owner, Consultant, testing agencies, and each party involved in performance of portions of the Work where tests and inspections are required.

PART 2 - PRODUCTS: (NOT USED)

PART 3 - EXECUTION

3.1 REPAIR AND PROTECTION

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
  1. Provide materials and comply with installation requirements specified in other Sections of these Specifications. Restore patched areas and extend restoration into adjoining areas in a manner that eliminates evidence of patching.
  2. Comply with the Contract Document requirements for Division 1, of the Technical Specifications Section "Cutting and Patching."
- B. Protect construction exposed by or for quality-control service activities.
- C. Repair and protection are Contractor's responsibility, regardless of the assignment of responsibility for quality-control services.

END OF SECTION 01 40 00

**SECTION 01 50 00**  
**TEMPORARY FACILITIES AND CONTROLS**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes requirements for temporary facilities and controls, including temporary utilities, support facilities, and security and protection facilities.
- B. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.
- C. Temporary utilities include, but are not limited to, the following:
1. Sanitary facilities, including toilets, wash facilities, and drinking-water facilities.
  2. Electric power service.
  3. Lighting.
- D. Support facilities include, but are not limited to, the following:
1. Temporary roads and paving.
  2. Dewatering facilities and drains.
  3. Waste disposal facilities.
  4. Storage and fabrication sheds.
  5. Lifts and hoists.
  6. Temporary stairs/Ladders.
  7. Construction aids and miscellaneous services and facilities.
  8. Material shall not be stored in the facility.
- E. Security and protection facilities include, but are not limited to, the following:
1. Environmental protection.
  2. Tree and plant protection.
  3. Barricades, warning signs, and lights.
  4. Temporary enclosures.

- F. Related Sections include the following:
  - 1. Division 1, of the Technical Specifications Section "Execution Requirements" for progress cleaning requirements.

### 1.3 DEFINITIONS

- A. Permanent Enclosure: As determined by Consultant, permanent or temporary roofing is complete, insulated, and weather tight; exterior walls are insulated and weather tight; and all openings are closed with permanent construction or substantial temporary enclosures.

### 1.4 USE CHARGES

- A. General: Cost or use charges for temporary facilities are not chargeable to Owner or Consultant and shall be included in the Contract Sum. Allow other entities to use temporary services and facilities without cost, including, but not limited to, the following:
  - 1. Owner's construction forces.
  - 2. Occupants of Project.
  - 3. Consultant.
  - 4. Testing agencies.
  - 5. Personnel of authorities having jurisdiction.
- B. Sewer Service: Pay sewer service use charges for sewer usage, by all parties engaged in construction, at Project site.
- C. Water Service: The Owner will provide a source of water for the contractor's use. The contractor shall provide all material and labor to provide potable water.
- D. Electric Power Service: The Owner will provide a source of power for the contractor's use. The Contractor shall provide extension cords, outlets, and distribution panels as needed and according to National Electrical Code.

### 1.5 SUBMITTALS

- A. Implementation and Termination Schedule: Within 15 days of date established for submittal of Contractor's Construction Schedule, submit a schedule indicating implementation and termination of each temporary utility.

## 1.6 QUALITY ASSURANCE

- A. Standards: Comply with ANSI A10.6, NECA's "Temporary Electrical Facilities," and NFPA 241.
  - 1. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
- B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.

## 1.7 PROJECT CONDITIONS

- A. Temporary Utilities: At earliest feasible time, when acceptable to Owner, change over from use of temporary service to use of permanent service.
  - 1. Temporary Use of Permanent Facilities: Installer of each permanent service shall assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.
- B. Conditions of Use: The following conditions apply to use of temporary services and facilities by all parties engaged in the Work:
  - 1. Keep temporary services and facilities clean and neat.
  - 2. Relocate temporary services and facilities as required by progress of the Work.

## PART 2 - PRODUCTS:

### 2.1 MATERIALS

- A. General: Provide new materials. Undamaged, previously used materials in serviceable condition may be used if indicated on the plans and/or specifications. Provide materials suitable for use intended.
- B. Tarpaulins: Fire-resistive labeled with flame-spread rating of 15 or less.
- C. Water: Potable.

## 2.2 EQUIPMENT

- A. General: Provide equipment suitable for use intended.
- B. Fire Extinguishers: Hand carried, portable, UL rated. Provide class and extinguishing agent as indicated or a combination of extinguishers of NFPA-recommended classes for exposures.
  - 1. Comply with NFPA 10 and NFPA 241 for classification, extinguishing agent, and size required by location and class of fire exposure and the requirements of the local Governing agency.
- C. Self-Contained Toilet Units: Single-occupant units of chemical or aerated recirculation or combustion type; vented; fully enclosed with a glass-fiber-reinforced polyester shell or similar nonabsorbent material.
- D. Drinking-Water Fixtures: Containerized, tap-dispenser, bottled-water, drinking-water units, including paper cup supply.
- E. Electrical Outlets: Properly configured, NEMA-polarized outlets to prevent insertion of 110- to 120-V plugs into higher-voltage outlets; equipped with ground-fault circuit interrupters, reset button, and pilot light.
- F. Power Distribution System Circuits: Where permitted and overhead and exposed for surveillance, wiring circuits, not exceeding 125-V ac, 20-A rating, and lighting circuits may be nonmetallic sheathed cable.

## PART 3 - EXECUTION

### 3.1 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required.
- B. Provide each facility ready for use when needed to avoid delay. Maintain and modify as required. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

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### 3.2 TEMPORARY UTILITY INSTALLATION

- A. General: Engage appropriate local utility company to install temporary service or connect to existing service.
1. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.
  2. Provide adequate capacity at each stage of construction. Before temporary utility is available, provide trucked-in services.
- B. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking-water fixtures. Comply with regulations and health codes for type, number, location, operation, and maintenance of fixtures and facilities.
1. Disposable Supplies: Provide toilet tissue, paper towels, paper cups, and similar disposable materials for each facility. Maintain adequate supply. Provide covered waste containers for disposal of used material.
  2. Toilets: Install self-contained toilet units. Shield toilets to ensure privacy. Subparagraph below may be excessive for small- and medium-size projects.
  3. Wash Facilities: Install wash facilities supplied with potable water at convenient locations as required. Dispose of drainage properly. Supply cleaning compounds appropriate for each type of material handled.
  4. Drinking-Water Facilities: Provide drinking-water.
- C. Electric Power Service: Provide weatherproof, grounded electric power service and distribution system of sufficient size, capacity, and power characteristics during construction period.
- D. Electric Distribution: Provide receptacle outlets adequate for connection of power tools and equipment.
1. Provide waterproof connectors to connect separate lengths of electrical power cords if single lengths will not reach areas where construction activities are in progress. Do not exceed safe length-voltage ratio.
  2. Provide warning signs at power outlets other than 110 to 120 V.
  3. Provide metal conduit, tubing, or metallic cable for wiring exposed to possible damage. Provide rigid steel conduits for wiring exposed on grades, floors, decks, or other traffic areas.
  4. Provide metal conduit enclosures or boxes for wiring devices.
  5. Provide 4-gang outlets, spaced so 100-foot extension cord can reach each area for power hand tools and task lighting. Provide a separate 125-V ac, 20-A circuit for each outlet.

- E. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations and traffic conditions for the duration of the construction.
- F. PROGRESS CLEANING: This Article refers to regular cleaning operations conducted while construction is in progress. Requirements for final cleaning before Substantial Completion are included in Division 1 Section "Closeout Procedures."
  - 1. General: Clean Project site and work areas daily, including common areas. Coordinate progress cleaning for joint-use areas where more than one installer has worked. Enforce requirements strictly.
  - 2. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
  - 3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations. Dispose of material in accordance with Division 1, Section "Construction Waste Management".
  - 4. Site: Maintain Project site free of waste materials and debris. Remove debris around the facility daily.
  - 5. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
  - 6. Remove liquid spills promptly.
  - 7. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.

### 3.3 SUPPORT FACILITIES INSTALLATION

- A. General: If required, Comply with the following:
  - 1. Locate field offices, storage sheds, sanitary facilities, and other temporary construction and support facilities for easy access.
  - 2. Maintain support facilities until approved by the Consultant to be removed.
- B. Temporary Roads and Paved Areas: If applicable/as needed, construct and maintain temporary roads and paved areas to avoid damage to the site. Locate temporary roads and paved areas in same location as permanent roads and paved areas. If applicable, extend temporary roads and paved areas, within construction limits indicated, as necessary for construction operations.
- C. Traffic Controls: Provide temporary traffic controls at junction of temporary roads with public roads. Include warning signs for public traffic and "STOP" signs for entrance onto public roads. Comply with requirements of authorities having jurisdiction.

- D. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Containerize and clearly label hazardous, dangerous, or unsanitary waste materials separately from other waste. Comply with “Construction and Demolition Waste Management Recycling.
- E. Storage and Fabrication Sheds: If required, Provide sheds sized, furnished, and equipped to accommodate materials and equipment involved.
- F. Existing Elevator Usage: Use of Owner's existing elevators will not be permitted.

### 3.4 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- B. Storm water Control: Comply as indicated on the erosion control plan/measures before any earth disturbing activities start.
- C. Tree and Plant Protection: Comply with the plans and specifications for protection.
- D. Security Enclosure and Lockup: Install substantial temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security.
- E. Barricades, Warning Signs, and Lights: Comply with standards and code requirements for erecting structurally adequate barricades. Paint with appropriate colors, graphics, and warning signs to inform personnel and public of possible hazard. Where appropriate and needed, provide lighting, including flashing red or amber lights.
- F. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities. Provide temporary weather tight enclosure for building exterior.
- G. Temporary Partitions: Erect and maintain dustproof partitions and temporary enclosures to limit dust and dirt migration and to separate areas from fumes and noise.
- H. Temporary Fire Protection:
  - 1. Until fire-protection needs are supplied by permanent facilities, install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241.

2. The Contractor shall maintain existing fire-protection facilities that are already in service for the duration of the project.
  - a. The Contractor shall protect all fire-detection devices to avoid damage and prevent false alarms.
    - 1) The Contractor shall be responsible for locating and protecting both visible and hidden devices.
    - 2) The Contractor shall be responsible for all work associated with cleaning and/or replacing any fire protection devices that trigger false alarms as a result of the construction process.
  - b. If the Contractor disables (zone-out) any fire detection devices over the course of the work, the Contractor shall be responsible for returning those devices to full service at the completion of the project.
  - c. If required, it shall be the responsibility of the Contractor to place an existing fire alarm into test mode. The Contractor shall return the fire alarm system to full service as soon as possible.
    - 1) If a functioning fire alarm system in an occupied building is put into test mode for any period of time, the Contractor shall be responsible for paying the Owner's chosen security personnel to perform code required Fire Watches every hour for the entire building over the course of time that the fire alarm system is not fully functioning.

### 3.5 OPERATION, TERMINATION, AND REMOVAL

- A. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.
  1. At Substantial Completion, clean and renovate permanent facilities used during construction period. Comply with final cleaning requirements in Division 1, of the Technical Specifications Section "Closeout Procedures."

### 3.6 MOISTURE AND MOLD CONTROL

- A. Contractor's Moisture-Protection Plan: Avoid trapping water in Work. Document visible signs of mold that may appear during construction.

- B. Exposed Construction Phase: Before installation of weather barriers, when materials are subject to wetting and exposure to airborne mold spores, protect as follows:
1. Protect porous materials from water damage.
  2. Protect stored and installed material from flowing or standing water.
  3. Keep porous and organic materials from coming into prolonged contact with concrete.
  4. Remove standing water from decks.
  5. Keep deck openings covered or dammed.
  6. At the of each day, secure the work from any water intrusion into the building. The contractor shall be responsible for any water damage in the building.

END OF SECTION 01 50 00

**SECTION 01 50 50**  
**CONSTRUCTION WASTE MANAGEMENT**

**PART 1 - GENERAL**

**1.1 DESCRIPTION**

- A. The Owner has established that this Project shall include proactive measures for waste management participation by all parties to the contract.
1. The purpose of this program is to ensure that during the course of the Project all diligent means are employed to pursue practical and economically feasible waste management and recycling options.
  2. Upon award, each subcontractor shall be required to furnish documentation from suppliers or manufacturers regarding waste management and recycling options for those products and procedures furnished.
  3. Waste disposal to landfills shall be minimized.
  4. Remove all waste from the grounds daily and place it in the dumpsters.
- B. Definitions:
1. Waste: Any material that has reached the end of its intended use. Waste includes salvageable, returnable, recyclable and reusable material.
  2. Construction waste: Solid wastes including, but not limited to, building materials, packaging materials, debris, and trash resulting from construction operations.
  3. Salvage: To remove a waste material from the Project site to another site for resale or reuse by others.
  4. Hazardous waste: Any material or byproduct of construction that is regulated by the Environmental Protection Agency and that may not be disposed in any landfill or other waste end-source without adherence to applicable laws.
  5. Trash: Any product or material unable to be returned, reused, recycled or salvaged.
  6. Landfill: Any public or private business involved in the practice of trash disposal.

7. Waste Management Plan: A Project-related plan for the collection, transportation, and disposal of the waste generated at the construction site.

1.2 SUBMITTALS:

A. Project Information:

1. Contractor's Construction Waste Management Plan.

1.3 CONSTRUCTION WASTE MANAGEMENT PLAN

A. Waste Management Plan shall include the following:

1. Solid Waste Disposal and Diversion document.
  - a. Identification of materials recycled.
  - b. Identification of materials landfill.
  - c. Identification of hazardous waste and disposal.
2. Locations of sorting and waste storage facilities on Site Plan of project.
3. Final documentation of subcontractor/supplier waste management/recycling data.
4. Final documentation of hazardous waste disposal plan. Burning on site is NOT allowed.

B. Construction Waste Management Plan Implementation:

1. The Contractor shall designate an on-site party (or parties) responsible for instructing workers and overseeing and documenting the Waste Management Plan.
2. The "Summary of Construction Waste/Recycling" shall be completed each month and submitted as part of Application for Payment.
  - a. All materials identified in the Summary shall be reported by weight.
  - b. Where weight is not applicable, Contractor shall report materials by units applicable to material recipient.
  - c. Contractor shall procure receipts or other validation of waste management procedures and include them as part of the submittal.

3. The Contractor shall distribute copies of the "Summary of Construction Waste/Recycling" to the Consultant, Owner and each subcontractor involved in the plan.
  4. The Contractor shall provide on-site instruction of appropriate separation, handling, and recycling, salvage, reuse and return methods to be used by all parties at appropriate stages of the Work.
  5. Separation facilities:
    - a. Contractor shall define specific areas to facilitate separation of materials for recycling, salvage, re-use or return.
    - b. Recycle and waste bin areas are to be maintained in an orderly manner and clearly marked to avoid contamination of materials.
    - c. Do not mix recyclable materials.
    - d. Store hazardous waste in secure areas.
  6. Hazardous wastes:
    - a. Hazardous wastes shall be separated, stored and disposed of in accordance with local and EPA regulations and additional criteria listed below:
      - 1) Building products manufactured with PVC or containing chlorinated compounds shall not be incinerated.
      - 2) Disposal of fluorescent tubes to open containers is not permitted.
      - 3) Unused fertilizers shall not be co-mingled with construction waste.
- C. Program profits:
1. All profits from recycling of construction waste shall be granted to the Contractor.

PART 2 - PRODUCTS: (NOT USED)

PART 3 - EXECUTION: (NOT USED)

END OF SECTION 01 50 50

**SECTION 01 73 10  
CUTTING AND PATCHING**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes procedural requirements for cutting and patching.

**1.3 DEFINITIONS**

- A. Cutting: Removal of existing construction necessary to permit installation or performance of other Work.
- B. Patching: Fitting and repair work required to restore surfaces to original conditions after installation of other Work.

**1.4 QUALITY ASSURANCE**

- A. Structural Elements: Do not cut and patch structural elements in a manner that could change their load-carrying capacity or load-deflection ratio.
- B. Operational Elements: Do not cut and patch the following operating elements and related components in a manner that results in reducing their capacity to perform as intended or that results in increased maintenance or decreased operational life or safety.
  - 1. Primary operational systems and equipment.
  - 2. Air or smoke barriers.
  - 3. Fire-protection systems.
  - 4. Control systems.
  - 5. Communication systems.
  - 6. Conveying systems.
  - 7. Electrical wiring systems.
  - 8. Operating systems of special construction in Division 13 Sections.

- C. Miscellaneous Elements: Do not cut and patch the following elements or related components in a manner that could change their load-carrying capacity, that results in reducing their capacity to perform as intended, or those results in increased maintenance or decreased operational life or safety.
1. Water, moisture, or vapor barriers.
  2. Membranes and flashings.
  3. Exterior curtain-wall construction.
  4. Equipment supports.
  5. Piping, ductwork, vessels, and equipment.
  6. Noise- and vibration-control elements and systems.
- D. Visual Requirements: Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Do not cut and patch construction exposed on the exterior or in occupied spaces in a manner that would, in Consultant's opinion, reduce the building's aesthetic qualities. Remove and replace construction that has been cut and patched in a visually unsatisfactory manner.
1. If possible, retain original Installer or fabricator to cut and patch exposed Work listed below. If it is impossible to engage original Installer or fabricator, engage another recognized, experienced, and specialized firm.
    - a. Processed concrete finishes.
    - b. Stonework and stone masonry.
    - c. Ornamental metal.
    - d. Matched-veneer woodwork.
    - e. Preformed metal panels.
    - f. Roofing.
    - g. Firestopping.
    - h. Window wall system.
    - i. Stucco and ornamental plaster.
    - j. Terrazzo.
    - k. Finished wood flooring.
    - l. Fluid-applied flooring.
    - m. Aggregate wall coating.
    - n. Wall covering.
    - o. Swimming pool finishes.
    - p. HVAC enclosures, cabinets, or covers.

## 1.5 WARRANTY

- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during cutting and patching operations, by methods and with materials so as not to void existing warranties.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. General: Comply with requirements specified in other Sections of the Technical Specifications.
- B. Existing Materials: Use materials identical to existing materials. For exposed surfaces, use materials that visually match existing adjacent surfaces to the fullest extent possible. If identical materials are unavailable or cannot be used, use materials that, when installed, will match the visual and functional performance of existing materials.

## PART 3 - EXECUTION:

### 3.1 EXAMINATION

- A. Examine surfaces to be cut and patched and conditions under which cutting and patching are to be performed.
  - 1. Compatibility: Before patching, verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
  - 2. Proceed with installation only after unsafe or unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Temporary Support: Provide temporary support of Work to be cut.
- B. Protection: Protect existing construction during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of Project that might be exposed during cutting and patching operations.
- C. Adjoining Areas: Avoid interference with use of adjoining areas or interruption of free passage to adjoining areas.

### 3.3 PERFORMANCE

- A. General: Employ skilled workers to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time, and complete without delay.

1. Cut existing construction to provide for installation of other components or performance of other construction, and subsequently patch as required to restore surfaces to their original condition.
- B. Cutting: Cut existing construction by sawing, drilling, breaking, chipping, grinding, and similar operations, including excavation, using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.
1. In general, use hand or small power tools designed for sawing and grinding, not hammering and chopping. Cut holes and slots as small as possible, neatly to size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
  2. Existing Finished Surfaces: Cut or drill from the exposed or finished side into concealed surfaces.
  3. Concrete and Masonry: Cut using a cutting machine, such as an abrasive saw or a diamond-core drill.
  4. Excavating and Backfilling: Comply with requirements in applicable Division 2 Sections where required by cutting and patching operations.
  5. Mechanical and Electrical Services: Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal remaining portion of pipe or conduit to prevent entrance of moisture or other foreign matter after cutting.
  6. Proceed with patching after construction operations requiring cutting are complete.
- C. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other Work. Patch with durable seams that are as invisible as possible. Provide materials and comply with installation requirements specified in other Sections of the Technical Specifications.
1. Inspection: Where feasible, test and inspect patched areas after completion to demonstrate integrity of installation.
  2. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will eliminate evidence of patching and refinishing.
  3. Floors and Walls: Where walls or partitions that are removed extend one finished area into another, patch and repair floor and wall surfaces in the new space. Provide an even surface of uniform finish, color, texture, and appearance. Remove existing floor and wall coverings and replace with new materials, if necessary, to achieve uniform color and appearance.
    - a. Where patching occurs in a painted surface, apply primer and intermediate paint coats over the patch and apply final paint coat over entire unbroken surface containing the patch. Provide additional coats until patch blends with adjacent surfaces.

4. Ceilings: Patch, repair, or re-hang existing ceilings as necessary to provide an even-plane surface of uniform appearance.
5. Exterior Building Enclosure: Patch components in a manner that restores enclosure to a weather tight condition.

END OF SECTION 01 73 10

**SECTION 01 77 00**  
**CLOSEOUT PROCEDURES**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
1. Inspection procedures.
  2. Project As-Built Documents.
  3. Operation and maintenance manuals.
  4. Warranties.
  5. Instruction of Owner's personnel.
  6. Final cleaning.
- B. Related Sections include the following:
1. Division 1, of the Technical Specifications Section "Payment Procedures" for requirements for Applications for Payment for Substantial and Final Completion.
  2. Division 1, of the Technical Specifications Section "Construction Progress Documentation" for submitting Final Completion construction photographs and negatives.
  3. Division 1, of the Technical Specifications Section "Photographic Documentation" for submitting Final Completion.
  4. Division 1, of the Technical Specifications Section "Construction Waste Management" method of disposal of construction waste.
  5. Division 1, of the Technical Specifications Section "Execution Requirements" for progress cleaning of Project site.
  6. Division 1, of the Technical Specifications Section "Project Record Documents".
  7. Division 1, of the Technical Specifications Section "Operation and Maintenance Data".
  8. Divisions 2 through 48, of the Technical Specifications Sections for specific closeout and special cleaning requirements for products of those Sections.

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### 1.3 SUBSTANTIAL COMPLETION

- A. Preliminary Procedures: The Contractor shall, before requesting inspection for determining date of Substantial Completion, complete the following. List items below that are incomplete in request.
1. Prepare a list of items to be completed and corrected (punch list), the value of items on the list, and reasons why the Work is not complete.
  2. Advise Owner of pending insurance changeover requirements.
  3. Submit specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
  4. Obtain and submit releases permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
  5. Prepare and submit Project Record Documents, "As-Builts" drawings, operation and maintenance manuals, Final Completion construction photographs and photographic negatives if required, damage or settlement surveys, property surveys, and similar final record information.
  6. Deliver tools, spare parts, extra materials, and similar items to location designated by Owner. Label with manufacturer's name and model number where applicable.
  7. Make final changeover of permanent locks and deliver keys to Owner. Advise Owner's personnel of changeover in security provisions.
  8. Complete startup testing of systems.
  9. Submit test/adjust/balance records.
  10. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
  11. Submit changeover information related to Owner's occupancy, use, operation, and maintenance.
  12. Complete final cleaning requirements, including touchup painting.
  13. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.
- B. Inspection: Submit a written request for inspection for Substantial Completion. On receipt of request, Consultant will either proceed with inspection or notify Contractor of unfulfilled requirements. Consultant will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Consultant, that must be completed or corrected before certificate will be issued. The Consultant's Substantial Completion list is composed by verification of the punch list submitted by the Contractor and any additional defects in the work observed by the Consultant.
1. Re-inspection: Request re-inspection when the Work identified in previous inspections as incomplete is completed or corrected.
  2. Results of completed inspection will form the basis of requirements for Final Completion.

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## 1.4 FINAL COMPLETION

- A. Preliminary Procedures: Before requesting final inspection for determining date of Final Completion, complete the following:
1. Submit a final Application for Payment according to Division 1, of the Technical Specifications Section "Payment Procedures."
  2. Submit certified copy of Consultant's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Consultant. The certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
  3. Submit evidence of final, continuing insurance coverage complying with insurance requirements.
  4. Submit pest-control final inspection report and warranty.
  5. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems. Submit demonstration and training videotapes if required.
- B. Inspection: Submit a written request for final inspection for acceptance. On receipt of request, Consultant will either proceed with inspection or notify Contractor of unfulfilled requirements. Consultant will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
1. Re-inspection: Request re-inspection when the Work identified in previous inspections as incomplete is completed or corrected.
  2. The Contractor shall take immediate steps to correct the stated deficiencies, and send a written notice to the Consultant, certifying the Project is complete, at which time the Consultant will re-inspect the Work. This review and additional reviews by the Consultant where the Work is not considered Substantial Completion or Final Completion will be considered an additional service from the Consultant. The Contractor will be charged for these additional services incurred by such failure including travel time, observation time, and administrative time at the Consultant's hourly rate, as well as all expenses associated with the distribution of a written notice stating the reasons for failure to reach final completion.
  3. In the event the Contractor is granted Substantial Completion by the Consultant and the Contractor fails to complete and/or correct all of the items listed in the Substantial Completion within 15 calendar days of the date of Substantial Completion, the liquidated damages shall start to accrue until all of the items on the Substantial Completion list are completed and/or corrected and have been approved by the Consultant.
  4. If the Consultant is required to make more than two inspections for the project to achieve Substantial Completion, the Contractor shall pay for the Consultant's time and expense.

### 1.5 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Preparation: Submit three copies of list. Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.
  - 1. Organize list of spaces in sequential order, use the room number as indicated on the drawings and on the exterior areas include a location diagram indicating the defects.
  - 2. Organize items applying to each space by major element, including categories for ceiling, individual walls, floors, equipment, and building systems.
  - 3. Include the following information at the top of each page:
    - a. Project name.
    - b. Date.
    - c. Name of Consultant.
    - d. Name of Contractor.
    - e. Page number.

### 1.6 PROJECT RECORD DOCUMENTS

- A. The Contractor shall provide Project Record Documents, O&M, "As-Builts" Drawings, and Warranties as indicated in Division 1, of the Technical Specifications Section Project Record Documents. Use Division 1, of the Technical Specifications Section "Project Record Documents".

### 1.7 OPERATION AND MAINTENANCE MANUALS

- A. See Section "Operation and Maintenance Manuals" for additional information.

### 1.8 WARRANTIES

- A. Submittal Time: Submit written warranties on request of Consultant for designated portions of the Work where commencement of warranties other than date of Substantial Completion is indicated.
- B. Organize warranty documents into an orderly sequence based on the table of contents of the Project Manual.
- C. Provide original copies of each warranty to include in operation and maintenance manuals.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

## PART 3 - EXECUTION:

### 3.1 FINAL CLEANING

- A. General: Provide final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
  - 1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a portion of Project:
    - a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
    - b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
    - c. Rake grounds that are neither planted nor paved to a smooth, even-textured surface.
    - d. Remove tools, construction equipment, machinery, and surplus material from Project site.
    - e. Remove snow and ice to provide safe access to building.
    - f. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
    - g. Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.
    - h. Sweep concrete floors broom clean in unoccupied spaces.

- i. Vacuum carpet and similar soft surfaces, removing debris and excess nap; shampoo if visible soil or stains remain.
  - j. Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Replace chipped or broken glass and other damaged transparent materials. Polish mirrors and glass, taking care not to scratch surfaces.
  - k. Remove labels that are not permanent.
  - l. Touch up and otherwise repair and restore marred, exposed finishes and surfaces. Replace finishes and surfaces that cannot be satisfactorily repaired or restored or that already show evidence of repair or restoration.
    - 1) Do not paint over "UL" and similar labels, including mechanical and electrical nameplates.
  - m. Wipe surfaces of mechanical and electrical equipment, and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
  - n. Replace parts subject to unusual operating conditions.
  - o. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
  - p. Replace disposable air filters and clean permanent air filters. Clean exposed surfaces of diffusers, registers, and grills.
  - q. Clean ducts, blowers, and coils if units were operated without filters during construction.
  - r. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency. Replace burned-out bulbs, and those noticeably dimmed by hours of use, and defective and noisy starters in fluorescent and mercury vapor fixtures to comply with requirements for new fixtures.
  - s. Leave Project clean and ready for occupancy.
- C. Comply with safety standards for cleaning. Do not burn waste materials. Do not bury debris or excess materials on Owner's property. Do not discharge volatile, harmful, or dangerous materials into drainage systems. Remove waste materials from Project site and dispose of lawfully. Provide load tickets from landfill.

END OF SECTION 01 77 00

**SECTION 01 78 10**  
**PROJECT RECORD DOCUMENTS**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for Project Record Documents, including the following:
1. As-Built Drawings.
  2. Record Specifications.
  3. Record Product Data.
- B. Related Sections include the following:
1. Division 1, of the Technical Specifications, Section "Closeout Procedures" for general closeout procedures.
  2. Division 1, of the Technical Specifications, Section "Operation and Maintenance Data" for operation and maintenance manual requirements.
  3. Divisions 2 through 16, of the Technical Specifications, Sections for specific requirements for Project Record Documents of products in those Sections.

**1.3 SUBMITTALS**

- A. As-Built Drawings: Comply with the following:
1. Number of Copies: Submit two sets of marked-up As-Built Drawings to the Consultant for the Consultant to prepare the Record Drawings.
- B. Record Specifications: Submit two copies of Project's marked up Specifications, including addenda and contract modifications.
- C. Record Product Data: Submit two copies of each Product Data submittal.
1. Where Record Product Data is required as part of operation and maintenance manuals, submit marked-up Product Data as an insert in the manual instead of submittal as Record Product Data.

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## PART 2 - PRODUCTS

### 2.1 AS-BUILT DRAWINGS

- A. As-Built Drawings: Maintain one set of black-line white prints of the Contract Drawings and Shop Drawings.
1. Preparation: Mark As-Built Drawings to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to prepare the marked-up As-Built Drawings.
    - a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
    - b. Accurately record information in an understandable drawing technique.
    - c. Record data as soon as possible after obtaining it. Record and check the markup before enclosing concealed installations.
  2. Content: Types of items requiring marking include, but are not limited to, the following:
    - a. Dimensional changes to Drawings.
    - b. Revisions to details shown on Drawings.
    - c. Depths of foundations below first floor.
    - d. Locations and depths of underground utilities.
    - e. Revisions to routing of piping and conduits.
    - f. Revisions to electrical circuitry.
    - g. Actual equipment locations.
    - h. Duct size and routing.
    - i. Locations of concealed internal utilities.
    - j. Changes made by Change Order or Construction Change Directive.
    - k. Changes made following Consultant's written orders.
    - l. Details not on the original Contract Drawings.
    - m. Field records for variable and concealed conditions.
    - n. Record information on the Work that is shown only schematically.
    - o. Clarification Drawings.
  3. Mark the Contract Drawings or Shop Drawings, whichever is most capable of showing actual physical conditions, completely and accurately. If Shop Drawings are marked, show cross-reference on the Contract Drawings.
  4. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at the same location.
  5. Mark important additional information that was either shown schematically or omitted from original Drawings.
  6. Update the record drawings when the changes occur.
  7. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.

8. Identify and date each As-Builts Drawing; include the designation "PROJECT AS-BUILTS DRAWING" in a prominent location. Organize into manageable sets; bind each set with durable paper cover sheets. Include identification on cover sheets.
- B. Newly Prepared As-Built Drawings: Prepare new Drawings instead of preparing As-Built Drawings where Consultant determines that neither the original Contract Drawings nor Shop Drawings are suitable to show actual installation.
1. New Drawings may be required when a Change Order is issued as a result of accepting a substitution or other modification.
  2. Consult with Consultant for proper scale and scope of detailing and notations required to record the actual physical installation and its relation to other construction. Integrate newly prepared As-Built Drawings into Record Drawing sets; comply with procedures for formatting, organizing, copying, binding, and submitting.

## 2.2 RECORD SPECIFICATIONS

- A. Preparation: Mark Specifications to indicate the actual product installation where installation varies from that indicated in Specifications, addenda, and contract modifications.
1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
  2. Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
  3. Record the name of the manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.
  4. For each principal product, indicate whether Record Product Data has been submitted in operation and maintenance manuals instead of submitted as Record Product Data.
  5. Note related Change Orders, As-Built Drawings, and Product Data where applicable.

## 2.3 RECORD PRODUCT DATA

- A. Preparation: Mark Product Data to indicate the actual product installation where installation varies substantially from that indicated in Product Data submittal.
1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
  2. Include significant changes in the product delivered to Project site and changes in manufacturer's written instructions for installation.
  3. Note related Change Orders, As-Built Drawings, and Product Data where applicable.

**2.4 MISCELLANEOUS RECORD SUBMITTALS**

- A. Assemble miscellaneous records required by other sections of the Technical Specifications for miscellaneous record keeping and submittal in connection with actual performance of the Work. Bind or file miscellaneous records and identify each, ready for continued use and reference.

**PART 3 - EXECUTION:****3.1 RECORDING AND MAINTENANCE**

- A. Recording: Maintain one copy of each submittal during the construction period for Project Record Document (As Built) purposes. Post changes and modifications to Project Record Documents as they occur; do not wait until the end of Project.
- B. Maintenance of Record Documents and Samples: Store Record Documents and Samples in the field office apart from the Contract Documents used for construction. Do not use Project Record Documents for construction purposes. Maintain Record Documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to Project Record Documents for Consultant's reference during normal working hours.

END OF SECTION 01 78 10

**SECTION 01 78 20**  
**OPERATION AND MAINTENANCE DATA**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SUMMARY**

- A. This Section includes administrative and procedural requirements for preparing operation and maintenance manuals, including the following:
  - 1. Operation and maintenance documentation directory.
  - 2. Operation and Maintenance manuals for the care and maintenance of systems, subsystems, and equipment.
- B. Related Sections include the following:
  - 1. Division 1, of the Technical Specifications Section "Submittal Procedures" for submitting copies of submittals for operation and maintenance manuals.
  - 2. Division 1, of the Technical Specifications Section "Construction Waste Management" method of disposal of construction waste.
  - 3. Division 1, of the Technical Specifications Section "Closeout Procedures" for submitting operation and maintenance manuals.
  - 4. Divisions 2 through 50, of the Technical Specifications Sections for specific operation and maintenance manual requirements for products in those Sections.

**1.3 DEFINITIONS**

- A. System: An organized collection of parts, equipment, or subsystems united by regular interaction.
- B. Subsystem: A portion of a system with characteristics similar to a system.

**1.4 SUBMITTALS**

- A. Final Submittal: Submit four copies of each manual in final form at least 15 days before final inspection. Consultant will return copy with comments within 15 days after final inspection.

1. Correct or modify each manual to comply with Consultant's comments. Submit 3 copies of each corrected manual within 15 days of receipt of Consultant's comments.

## 1.5 COORDINATION

- A. Where operation and maintenance documentation include information on installations by more than one factory-authorized service representative, assemble and coordinate information furnished by representatives and prepare manuals.

## PART 2 - PRODUCTS

### 2.1 OPERATION AND MAINTENANCE DOCUMENTATION DIRECTORY

- A. Operations and Maintenance Manuals shall be organized in CSI format.
- B. Organization: Include a section in the directory for each of the following:
  1. List of documents.
  2. List of systems.
  3. List of equipment.
  4. Table of contents.
- C. List of Systems and Subsystems: List systems alphabetically.
- D. List of Equipment: List equipment for each system, organized alphabetically by system.
- E. Tables of Contents: Include a table of contents for each emergency, operation, and maintenance manual.
- F. Identification: In the documentation directory and in each operation and maintenance manual, identify each system, subsystem, and piece of equipment with the same designation used in the Contract Documents.

### 2.2 MANUALS, GENERAL

- A. Organization: Unless otherwise indicated, organize each manual into a separate section for each system and subsystem, and a separate section for each piece of equipment not part of a system. Each manual shall contain the following materials, in the order listed:
  1. Title page.
  2. Table of contents.
  3. Manual contents.

- B. Title Page: Enclose title page to include the following information:
1. Name and address of Project.
  2. Name and address of Owner.
  3. Date of submittal.
  4. Name, address, and telephone number of Contractor and Subcontractors.
  5. Name and address of Consultant.
  6. Cross-reference to related systems in other operation and maintenance manuals.
- C. Table of Contents: List each product included in manual, identified by product name, model number, and serial number indexed to the content of the volume, and cross-referenced to of the Technical Specifications Section number in Project Manual.
1. If operation or maintenance documentation requires more than one volume to accommodate data, include comprehensive table of contents for all volumes in each volume of the set.
- D. Manual Contents: Organize into sets of manageable size. Arrange contents alphabetically by system, subsystem, and equipment. If possible, assemble instructions for subsystems, equipment, and components of one system into a single binder.
1. Binders: Heavy-duty, 3-ring, vinyl-covered, loose-leaf binders, in thickness necessary to accommodate contents, sized to hold 8-1/2-by-11-inch paper; with clear plastic sleeve on spine to hold label describing contents and with pockets inside covers to hold folded oversize sheets.
    - a. If two or more binders are necessary to accommodate data of a system, organize data in each binder into groupings by subsystem and related components. Cross-reference other binders if necessary to provide essential information for proper operation or maintenance of equipment or system.
    - b. Identify each binder on front and spine, with printed title "OPERATION AND MAINTENANCE MANUAL," Project title or name, and indicate volume number for multiple-volume sets.
  2. Dividers: Heavy-paper dividers with reinforced tabs for each section. Mark each tab to indicate contents.
  3. If provided with the equipment, provide a Protective Plastic Sleeves designed to enclose diagnostic software diskettes for computerized electronic equipment.
  4. Supplementary Text: Prepared on 8-1/2-by-11-inch, white bond paper.
  5. Drawings: Attach reinforced, punched on drawings and bind in manual with associated text.
    - a. If oversize drawings are necessary, fold drawings to same size as text pages and use as foldouts.
    - b. If drawings are too large to be used as foldouts, fold and place drawings in labeled envelopes and bind envelopes in rear of manual. At appropriate locations in manual, insert typewritten pages indicating drawing titles, descriptions of contents, and drawing locations.

## 2.3 OPERATION AND MAINTENANCE MANUALS

- A. Content: In addition to requirements in this section, include operation and maintenance data required in individual specification sections including source information, manufacturers' maintenance documentation, maintenance procedures, maintenance and service schedules, spare parts list & source information, maintenance service contracts, warranty and bond information, and the following information:
1. System, subsystem, and equipment descriptions.
  2. Performance and design criteria if Contractor are delegated design responsibility.
  3. Operating standards.
  4. Operating procedures.
  5. Operating logs.
  6. Wiring diagrams.
  7. Control diagrams.
  8. Piped system diagrams.
  9. Precautions against improper use.
  10. Re-ordering information for parts.
  11. Standard printed maintenance instructions and bulletins.
  12. Drawings, diagrams, and instructions required for maintenance, including disassembly and component removal, replacement, and assembly.
  13. Identification and nomenclature of parts and components.
  14. List of items recommended to be stocked as spare parts.
- B. Descriptions: Include the following:
1. Product name and model number.
  2. Manufacturer's name.
  3. Equipment identification with serial number of each component.
  4. Equipment function.
  5. Operating characteristics.
  6. Limiting conditions.
  7. Performance curves.
  8. Engineering data and tests.
  9. Complete nomenclature and number of replacement parts.
- C. Operating Procedures: Include the following, as applicable:
1. Startup procedures.
  2. Routine and normal operating instructions.
  3. Regulation and control procedures.
  4. Instructions on stopping.
  5. Normal shutdown instructions.
  6. Seasonal and weekend operating instructions.

7. Required sequences for electric or electronic systems.
  8. Special operating instructions and procedures.
- D. Systems and Equipment Controls: Describe the sequence of operation, and diagram controls as installed.
- E. Piped Systems: Diagram piping as installed and identify color-coding where required for identification.
- F. Manufacturers' Maintenance Documentation: Manufacturers' maintenance documentation including the following information for each component part or piece of equipment:
1. Standard printed maintenance instructions and bulletins.
  2. Drawings, diagrams, and instructions required for maintenance, including disassembly and component removal, replacement, and assembly.
  3. Identification and nomenclature of parts and components.
  4. List of items recommended to be stocked as spare parts.
- G. Maintenance Procedures: Include the following information and items that detail essential maintenance procedures:
1. Test and inspection instructions.
  2. Troubleshooting guide.
  3. Disassembly; component removal, repair, and replacement; and reassembly instructions.
  4. Aligning, adjusting, and checking instructions.
  5. Demonstration and training videotape, and training manual if available.
  6. Inspection procedures.
  7. Types of cleaning agents to be used and methods of cleaning.
  8. List of cleaning agents and methods of cleaning detrimental to product.
  9. Schedule for routine cleaning and maintenance.
  10. Repair instructions.
- H. Maintenance and Service Schedules: Include service and lubrication requirements, list of required lubricants for equipment, and separate schedules for preventive and routine maintenance and service with standard time allotment.
1. Scheduled Maintenance and Service: Tabulate actions for daily, weekly, monthly, quarterly, semiannual, and annual frequencies.
  2. Maintenance and Service Record: Include manufacturers' forms for recording maintenance.
- I. Spare Parts List and Source Information: Include lists of replacement and repair parts, with parts identified and cross-referenced to manufacturers' maintenance documentation and local sources of maintenance materials and related services.

- J. If “Maintenance Service Contracts” are required by Contract Documents, provide copies of maintenance agreements with name and telephone number of service agent.
- K. Warranties and Bonds: Include copies of warranties and bonds, also, include the Contractor’s Warranty for the project.
  - 1. Include procedures required for notifications for warranty claims.

**PART 3 - EXECUTION:****3.1 MANUAL PREPARATION**

- A. Product Maintenance Manual: Assemble a complete set of maintenance data indicating care and maintenance of each product, material, and finish incorporated into the Work.
- B. Operation and Maintenance Manuals: Assemble a complete set of operation and maintenance data indicating operation and maintenance of each roof system.
- C. Manufacturers' Data: Where manuals contain manufacturers' standard printed data, include only sheets pertinent to product or component installed. Mark each sheet to identify each product or component incorporated into the Work. If data include more than one item in a tabular format, identify each item using appropriate references from the Contract Documents. Identify data applicable to the Work and delete references to information not applicable.
  - 1. Prepare supplementary text if manufacturers' standard printed data are not available and where the information is necessary for proper operation and maintenance of equipment or systems.

END OF SECTION 01 78 20

**SECTION 02 21 13****SITE SURVEY****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all Divisions of the Technical Specifications, apply to this Section.

**1.2 SITE SURVEY**

- A. The contractor shall verify the quantity and size of caulk joints to be removed and replaced.
- B. The contractor shall verify the quantity of wet sealing of the windows.
- C. The contractor shall verify the quantity of exterior walls that is to be pressured washed and coated.

**PART 2 - PRODUCTS**

- A. Not used.

**PART 3 – EXECUTION**

- A. Not used

**END OF SECTION**

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**SECTION 07 01 91**  
**JOINT SEALANT REHABILITATION AND REPLACEMENT**

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:

1. Rehabilitation and replacement of exterior weatherproofing sealants

B. Locations for sealant:

1. Expansion joints. - polyurethane sealant.
1. Around doors and window frames. - polyurethane sealant.
2. Wet sealing between glass panels and window frames. - silicone sealant
3. Wet sealing between glass panels and door frames. - silicone sealant
4. Expansion joints at the precast panels. - - polyurethane sealant.

1.2 REFERENCE STANDARDS

A. ASTM International (ASTM):

1. ASTM C 1135 - Test Method for Determining Tensile Adhesion Properties of Structural Sealants
2. ASTM C 1184 - Standard Specification for Structural Silicone Sealants.
3. ASTM C 1193 - Standard Guide for Use of Joint Sealants.

1.3 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate installation of joint sealants with cleaning of joint sealant substrates and other operations that may impact installation or finished joint sealant work.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of joint sealant product specified, including:

1. Preparation instructions and recommendations.
2. Standard drawings illustrating manufacturer's recommended sealant joint profiles and dimensions applicable to Project.

- B. Joint Sealant Schedule: Indicate joint sealant location, joint sealant type, manufacturer and product name, and color, for each application. Utilize joint sealant designations included in this Section.

- C. Samples for Color Selection: For each joint sealant type.
- D. Samples for Verification: For each exterior joint sealant product, for each color selected.

#### 1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified applicators.
- B. Warranty: Sample of unexecuted manufacturer and installer special warranties.

#### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Experienced Installer equipped and trained for application of joint sealants required for this Project with record of successful completion of projects of similar scope.
- B. Single Source Responsibility: Provide glazing sealants by a single manufacturer responsible for testing of Project substrates to verify compatibility and adhesion of joint sealants.
- C. Mockups: Provide glazing sealant [and weather barrier transition] application within mockups required in other sections identical to specified sealants and installation methods.

#### 1.7 FIELD CONDITIONS

- A. Hazardous Materials: Hazardous material is not anticipated.
  - 1. If suspected hazardous materials are encountered, do not disturb materials, and immediately notify Engineer.

#### 1.8 WARRANTY

- A. Special Installer's Warranty: Original statement on Installer's letterhead in which Installer agrees to repair or replace joint sealants that demonstrate deterioration or failure within warranty period specified.
  - 1. Warranty Period: Two years from date of Substantial Completion.
- B. Special Manufacturer's Warranty: Manufacturer's standard form in which joint sealant manufacturer agrees to furnish joint sealants to repair or replace those that demonstrate deterioration or failure under normal use within warranty period specified.
  - 2. Warranty Period for Silicone Sealants: 20 years date of Substantial Completion - , silicone sealant.

3. Warranty Period for Sealants: 10 years date of Substantial Completion - polyurethane sealant.

C. Warranty Conditions: Special warranties exclude deterioration or failure of joint sealants in normal use due to structural movement resulting in stresses on joint sealants exceeding sealant manufacturer's written specifications, joint substrate deterioration, mechanical damage, or normal accumulation of dirt or other contaminants.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURER

A. Basis-of-Design Product: The Dow Chemical Company, 795 , silicone caulking.

### 2.2 MATERIALS, GENERAL

A. Compatibility: Provide joint sealants and accessory materials that are compatible with one another, with joint substrates, and with materials in close proximity under use conditions, as demonstrated by sealant manufacturer by testing and related experience.

B. Joint Sealant Standard: Comply with ASTM C 920 and other specified requirements for each liquid-applied joint sealant.

C. Stain Test Characteristics: Where sealants are required to be non-staining, provide sealants tested per ASTM C 1248 as non-staining on porous joint substrates indicated for Project.

### 2.3 WEATHERPROOFING LIQUID SILICONE JOINT SEALANTS

A. Single-Component, Non-sag, Neutral-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade NS, Class 50, for Use NT; SWRI validation.

1. Basis of Design Product: DOWSIL™ 795 Silicone Building Sealant.
2. Hardness, ASTM D 2240: 35 - 45 durometer Shore A, minimum.
3. Volatile Organic Compound (VOC) Content: 32 g/L maximum or less.
4. Staining, ASTM C 1248: None on concrete, marble, granite, limestone, and brick.
5. Color: As selected by Engineer/Owner from manufacturer's full line.
6. Ozone Resistance, Thermal Resistance, UV Resistance, Water Resistance.
7. 1-Part Cure.
8. Working time: 20-30 minutes.
9. Primeless adhesion.

B. Single-Component, Non-sag, Neutral-Curing

1. Basis of Design Product: Tremco, Inc., Dymonic 100.

2. Color: As selected by Engineer & Owner from manufacturer's standard line.
3. Type Single component polyurethane sealant
4. Color 21 Standard Colors
5. Solids 98%
6. Specific Gravity 1.3302
7. Application gun-grade sealant, applied with typical caulking equipment
8. Rheological Properties ASTM C639 non-sag (NS), 0" of sag in channel
9. Hardness Properties ASTM C661 40 +/-5
10. Weight Loss ASTM C1246 Pass
11. Skin Time ASTM C679 2 to 3 hr
12. Tack Free Time 73.4°F (23°C) 50% RH 6 to 8 hr
13. Stain and Color Change ASTM C510 Pass
14. Adhesion to Concrete ASTM C794 35 psi
15. Adhesion to Concrete After Immersion ASTM C794 30 psi
16. Adhesion to Green Concrete ASTM C794 >25 psi
17. Adhesion to Damp Concrete ASTM C794 >20 psi
18. Effects of Accelerated Aging ASTM C793 Pass
19. Movement Capability ASTM C719 +/-50%

## 2.5 ACCESSORIES

- A. Joint Substrate Primers: Substrate primer recommended by sealant manufacturer for application.
- B. Cylindrical Sealant Backing: ASTM C 1330, Type B non-absorbent, bi-cellular material with surface skin, or Type O open-cell polyurethane, as recommended by sealant manufacturer for application.
- C. Bond Breaker Tape: Polymer tape compatible with joint sealant materials and recommended by sealant manufacturer.

## PART 3 – EXECUTION

### 3.1 EXAMINATION

- A. Examination of Existing Joint Sealants: Examine existing joint sealants indicated to be replaced or rehabilitated. Examine joints for compliance with requirements for joint configuration, installation tolerances, condition of joint substrate, and other conditions affecting joint-sealant performance.

### 3.2 PREPARATION

- A. Removal of Failed Joint Sealant Materials: Cut out and remove joint materials and associated backing materials as indicated on drawings and specifications.

- 
- B. Surface Cleaning of Joint Substrates: Clean out joints immediately before installing joint sealants to comply with joint sealant manufacturer's written instructions and the following requirements:
1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.

### 3.3 APPLICATION

- A. Masking: Mask adjacent surfaces to prevent staining or damage by contact with sealant or primer.
- B. Cut window gaskets to make an "L" shape to receive sealant.
1. Install bond breaker tape over substrates when sealant backings are not used.
- D. Sealant Application: Install sealants using methods recommended by sealant manufacturer, in depths between  $\frac{1}{4}$  between concrete panels and window frames and  $\frac{1}{2}$  inch in control joints. Apply in continuous operation from bottom to top of joint vertically and horizontally in a single direction. Apply using adequate pressure to fill and seal joint width.
1. Tool sealants immediately with appropriately shaped tool to force sealants against joint backing and joint substrates, eliminating voids and ensuring full contact.
  2. Using tooling agents approved by sealant manufacturer for application.

### 3.5 CLEANING

- A. Cleaning: Remove excess sealant using materials and methods approved by sealant manufacturer that will not damage joint substrate materials.
1. Remove masking tape immediately after tooling joint without disturbing seal.
  2. Remove excess sealant from nonporous surfaces while still uncured.

### 3.6 FIELD QUALITY CONTROL

- A. Owner may retain testing agency to perform the following tests:
1. Verification that substrate preparation meets requirements.
  2. Testing and certification that joint sealant materials comply with requirements.
  3. Testing of application for compliance with adhesion requirements.

- B. Field-Adhesion Testing: Perform adhesion tests in accordance with manufacturer's instructions and with ASTM C 1193, Method A.
  - 1. Perform 5 tests for the first 1000 feet of joint length for each kind of sealant and joint substrate, and one test for each 1000 feet of joint length thereafter or 1 test per each floor per building elevation, minimum.
  - 2. For sealant applied between dissimilar materials, test both sides of joint.
- C. Remove sealants failing adhesion test, clean substrates, reapply sealants, and re-test. Test adjacent sealants to failed sealants.
- D. Remedial actions taken of any areas that fail the test.
- E. Remove all debris daily from the site.

END OF SECTION

**SECTION 09 91 00  
PAINTS AND COATINGS**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Exterior Painting.

**1.2 SUBMITTALS**

- A. Submit under provisions of Section 01 33 00 - Submittal Procedures.
- B. Product Data: Manufacturer's data sheets on each paint and coating product to be used, including:
  - a. Product characteristics.
  - b. Preparation instructions and recommendations.
  - c. Primer requirements and recommendations.
  - d. Storage and handling requirements and recommendations.
  - e. Application methods.
- C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches square, representing actual product, color, and patterns.
- E. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic cleaning and maintenance of painted surfaces.

**1.3 QUALITY ASSURANCE**

- A. Installer Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.

**1.4 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver paint materials in sealed original-labeled containers bearing manufacturer's name, type of paint, stock number, color and instructions for reducing or mixing, where applicable.
- B. Store products in accordance with the manufacturer's printed recommendations and in manufacturer's unopened packaging until ready for installation.
- C. Store and dispose of solvent-based materials, and materials used with solvent-

based materials, in accordance with requirements of local authorities having jurisdiction.

1.5 SEQUENCING

- A. Replace the caulk
- B. Wet seal the windows
- C. Pressure wash the exterior of the building
- D. Coat the exterior exposed concrete (do not coat the brick veneer)
- E. Clean the windows

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- B. Comply with manufacturer's recommendations as to environmental conditions under which coatings and coating systems can be applied. Do not apply paint or coatings when temperature is below 50 degrees F. Do not apply exterior paint in damp or rainy weather; ensure that the surface has dried thoroughly before proceeding. Surface temperature must be at least 5 degrees F above dew point before painting.
- C. Do not apply finish in areas where dust or contaminants are being generated.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Sherwin Williams.
- B. Requests for substitutions will be considered in accordance with provisions of the specifications.

2.2 PAINT SYSTEM Materials

- A. Products specified are as manufactured by Sherwin Williams. Other manufacturers to conform to material listed and be approved by Engineer.
- B. Do not thin finish coats without the manufacturer's approval.
- C. Claims concerning unsuitability of any material specified or inability to satisfactorily produce the work will not be entertained, unless such claim is made in writing to Engineer before work is started.

- D. Number of coats scheduled is minimum. Apply additional coats at no additional cost if necessary to completely hide base materials, produce uniform color, and provide satisfactory finish result.
- E. Paints and coatings comply with air-quality regulations and established VOC content limits of South Coast AQMD Architectural Rule 1113.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Examine surfaces scheduled to receive paint and finishes for conditions that will adversely affect execution, permanence or quality of work.
- C. If substrate preparation is the responsibility of another installer, notify Engineer of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces to receive paint thoroughly of substances, which could impair adhesion of paints, including dust, dirt, oil and grease before application of any coatings.
- B. Prepare surfaces by pressures washing using Simple Green® Oxy Solve™ Total Outdoor Cleaner or equal, the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Surfaces to receive paint shall be clean, dry, smooth and dust-free before application of coatings. Prepare surfaces as follows:
  - a. CONCRETE, CAST-IN PLACE / PRECAST / TILT-UP: Remove release agents, curing compounds, loose particles, efflorescence and chalk. Do not coat surfaces if moisture content or alkalinity of surface to be coated exceeds that permitted in the manufacturer's written instructions. Prime with an alkali-resistant primer.
- D. Surfaces, which cannot be prepared or painted as specified, shall be immediately brought to attention of Engineer in writing.
  - a. Starting of work without such notification will be considered acceptance by the Contractor of surfaces involved.
- E. Replace unsatisfactory work caused by improper or defective surfaces as directed by Engineer at no additional cost to Owner.

### 3.3 INSTALLATION

- A. Do not apply initial coating until moisture content of surface is within limitations recommended by paint manufacturer.
- B. Application:
  - a. Apply paint with suitable brushes, rollers or spraying equipment.
  - b. Rate of application shall not exceed that as recommended by paint manufacturer for surface involved.
- C. Comply with recommendations of product manufacturer for drying time between succeeding coats.
- D. Leave parts of molding and ornaments clean and true to details with no undue amount of paint in corners and depressions.
- E. Make edges of paint adjoining other material or color clean and sharp with no overlapping.
- F. Refinish whole wall where portion of finish is not acceptable.
- G. Apply materials evenly with proper film thickness and free of runs, sags, skips and other defects. Hard, glossy finishes shall be sanded lightly between coats, dusted and cleaned before recoating.
- H. Remove hardware, hardware accessories, plates, lighting fixtures and similar items in place prior to painting, and replace upon completion of each space.
- I. Disconnect heating and other equipment adjacent to walls using workmen skilled in appropriate trades, and move to permit wall surfaces to be painted. Following completion of painting, they shall be expertly replaced and reconnected.

### 3.4 CLEANING

- A. Upon completion of work, remove equipment, excess material and debris. Remove paint splatter and leave area in a neat and orderly condition.

### 3.5 PROTECTION

- A. Protect work of other trades, whether to be painted or not, against damage by painting. Correct damage by cleaning, repairing or replacing and repainting, as acceptable to Engineer .
- B. Provide "wet paint" signs to protect newly painted finishes. Remove temporary protective wrappings provided by others for protection of their work after completion of painting operations.
- C. At completion of construction activities of other trades, touch up and restore

damaged or defaced painted surfaces.

### 3.6 SCHEDULES

#### A. GENERAL

- a. Provide paint finishes of even, uniform color, free from cloudy or mottled appearance. Properly correct non-complying work to satisfaction of Owner's representative.
- b. The specified number of primer and finish coats is minimum acceptable. If full coverage and opacity is not obtained with specified number of coats, apply additional coats as necessary to produce required finish.

#### B. EXTERIOR PAINT SCHEDULE:

- a. CONCRETE, TILT-UP
  - 1) Loxon® Self-Cleaning Acrylic Coating – two coats
  - 2) Coverage: Wet mils: 5-7
  - 3) Dry mils: 2.0-2.9
  - 4) Coverage: 225-325 sq. ft. per gallon
  - 5) V.O.C. (less exempt solvents): less than 50 grams per litre; 0.42 lbs. per gallon As per 40 CFR 59.406
  - 6) Volume Solids: 41 ±2%
  - 7) Weight Solids: 57 ±2% Weight per Gallon: 11.37 lbs
  - 8) Flash Point: N.A.
  - 9) Vehicle Type: 100% Acrylic
  - 10) Shelf Life: 36 months, unopened
  - 11) Mildew Resistant:

END OF SECTION