

## **AGREEMENT FOR SERVICES**

This agreement made between Standard Engineering & Field Services, 3400 North Lincoln Blvd., Oklahoma City, OK 73105 hereinafter referred to as "Consultant" and the Board of County Commissioners of Oklahoma County, hereinafter referred to as "County".

### **DESCRIPTION OF PROJECT**

Oklahoma County

Behavioral Care Center

Building Envelope Testing, Inspections, & Consulting Services

### **SCOPE OF SERVICES**

The Consultant Services to be provided are described in Attachment "A"

### **SECTION 1**

#### **CONSULTANT CHARGES**

The total amount of the contract shall not exceed Two Hundred Thirty Thousand Two Hundred Sixty-Two Dollars and No/100 (\$230,262.00) for Scope of Services as described in attachment "A". Should the Consultant determine services are needed that will exceed that total amount, the Consultant shall notify the County by Amendment to this Agreement for acceptance by the County prior to performing work that would exceed this amount.

#### **THE CONSULTANT AGREES**

1. To comply with all federal, state, and local laws, regulations and ordinances applicable to the work, procure all necessary licenses and permits, and file any documents required for the approval of governmental authorities having jurisdiction over the Project.
2. To be available for such conferences as the County may deem necessary in connection with the work, and the County shall have the right to inspect plans at all reasonable times at an acceptable office or offices located 3400 North Lincoln Blvd., Oklahoma City, OK 73105.
3. To assume responsibility, to indemnify, and save harmless the County or other agency or other government from all claims and liability due to his negligent acts or the negligent acts of his agents, employees, subcontractors, independent consultants and/or independent consultants retained pursuant to this agreement.
4. To bind Consultant's firm including principals, officers, employees, agents, subcontractors, independent contractors and/or independent contractors retained pursuant to this agreement, to the same statutes, rules, and regulations as the County insofar as conflict of interest is concerned. Retention of records for three years after the final payment (paragraph 6).
5. That prior to beginning the work he and his subcontractors shall obtain and furnish current copies (certificates) to the County of

A. Worker's Compensation Insurance in accordance with the laws of the State of Oklahoma.

B. Professional Liability Insurance. The insurance policy coverage must be in an amount of sufficient to satisfy any claims arising under The Oklahoma Governmental Tort Claims Act, 51 O.S. Sec. 151, et seq. The insurance policy must contain provisions that the County be notified if the insurance carrier intends to cancel or not renew the policy.

This insurance (A and B) shall be maintained in full force and effect during the life of the contract.

6. The Consultant agrees to provide the County, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Consultant which are directly pertinent to this contract.

The Consultant agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcription as reasonably needed.

The Consultant agrees to provide the County or their authorized representative's access to construction or other work sites pertaining to the work being completed under the contract.

In compliance with the Disaster Recovery Act of 2018, the County and the Contractor acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the Comptroller General of the United States.

The Consultant understands that knowingly making a false statement, representation, report, or claim may be subject to prosecution under the provisions of U.S.C.S. § 1001, § 1020.

7. During the performance of this contract, The consultant agrees as follows:

A. The Consultant will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Consultant will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

- Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Consultant agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

B. The Consultant will, in all solicitations or advertisements for employees placed by or on behalf of the Consultant; state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

C. The Consultant will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the Consultant's legal duty to furnish information.

D. The Consultant will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Consultant's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

E. The Consultant will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

F. The Consultant will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

G. In the event of the Consultant's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

H. The Consultant will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Consultant will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

·Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

·The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, That if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

·The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

·The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

8. The Consultant agrees to be compliant with the Contract Work Hours and Safety Standards Act:

A. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

B. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1)



of this section, in the sum of \$26 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

C. Withholding for unpaid wages and liquidated damages. Upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

D. Subcontracts. The Consultant or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Consultant shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

9. The Consultant agrees to comply with all applicable standards, orders or regulations issued pursuant to The Clean Air Act and The Federal Water Pollution Control Act, as amended, 42 U.S.C. § 7401 et seq. and as amended, 33 U.S.C. 1251 et seq. The consultant agrees to report each violation to the County and understands and agrees that the County will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office. The consultant agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance.
10. The Consultant agrees to comply with the Suspension and Debarment Statement and such contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the contractor is required to verify that none of the contractor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
  - A. The Consultant must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
  - B. This certification is a material representation of fact relied upon by the County. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the County, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
  - C. The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

11. The Consultant agrees to comply with the Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended) Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that It will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier, up to the recipient who in turn will forward the certification(s) to the awarding agency. If applicable, contractors must sign and submit to the non-federal entity the following certification. Attachment 11B"
12. In the performance of this contract, the Consultant shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-
  - Competitively within a timeframe providing for compliance with the contract performance schedule;
  - Meeting contract performance requirements; or
  - At a reasonable price.

Information about this requirement, along with the list of EPA designated items, is available at EPA's Comprehensive Procurement Guidelines web site,

<https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program>.

The Contractor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act."

13. The Consultant acknowledges that federal financial assistance may be used to fund all or a portion of the contract. The Consultant will comply with all applicable Federal law, regulations, executive orders, federal policies, procedures, and directives.
14. The Consultant shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific pre-approval.
15. The Consultant agrees The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract.
16. The Consultant acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Consultant's actions pertaining to this contract.

## SECTION 2

### THE COUNTY AGREES

1. The County will pay total fee not exceeding Two Hundred Thirty Thousand Two Hundred Sixty-Two Dollars and No/100 (\$230,262.00) which includes all services provided by Consultant, his subcontractors and/or Independent consultants retained pursuant to this agreement, as funds are available and work is authorized by the County Engineer.

## SECTION 3

It is further mutually agreed by the County and the Consultant that:

1. A written notice will be made to the Consultant by setting out the date he is to begin the prosecution of the contract work.
2. It is expressly understood and agreed by and between the parties hereto that the Consultant, including his subcontractors and/or Independent contractors retained pursuant to this agreement, will hold and save the County harmless from any and all claims of damage or cause of action accruing to persons by reason of any of the work performed hereunder. The Consultant will be held responsible for the accuracy of engineering details and quantities of work to be performed or be performed by his subcontractors and/or Independent contractors retained pursuant to this agreement. Frequent occurrence of Irregularities in engineering details or quantities will be a basis for withholding future engineering contracts from said Consultant. The Consultant, his subcontractors and/or Independent contractors retained pursuant to this agreement, shall furnish a legible copy of all computations used in developing pay quantities, neatly arranged, bound, properly identified and indexed. The Consultant will be held responsible for any mistakes or omissions in the work of the Consultant, his subcontractors and/or Independent contractors retained pursuant to this agreement, which appear during the final review by the County or any other government agency.
3. For any major revision in the character of the scope of the work ordered in writing by the County, a supplemental agreement will be negotiated, prior to performing the additional work.
4. The County reserves the right to delete any portion of the contract at any time, and if such is done, the total engineering fee shall be reduced in the same ratio as the estimated cost of the work deleted varies with the estimated cost of the work as originally planned, or when appropriate, the engineering fee shall be computed for the reduced scope of work in the same

manner used for determining the original contract fee, provided that if the work has been already accomplished on that portion of the contract to be deleted, the Consultant, including his subcontractors and/or independent contractors retained pursuant to this agreement, shall be paid for the deleted portion on the basis of the estimated percentage of completion of such portion.

5. The County reserves the right to terminate this contract at any time, and if this project should be abandoned, or the processing of same indefinitely postponed, or this contract terminated for any other reason, the Consultant, including his subcontractors and/or independent contractors retained pursuant to this agreement, shall be paid by the County the reasonable value for the data delivered or ready for delivery upon receipt thereof.
6. Any dispute concerning a question of fact in connection with the work not disposed of by the agreement between the County, the Consultant, including his subcontractors and/or independent contractors retained pursuant to this agreement, shall be referred for determination to the County Commissioner in whose district the project is located, or his duly authorized representative whose decision shall be taken to the Board of County Commissioners for further consideration and determination.
7. The County will consider a request for a reasonable extension of time, if the Consultant submits a request in writing indicating the length of extension required, along with satisfactory evidence showing that he is unable to complete this work in the time specified for reasons beyond his control. However, the County and the Consultant may be bound by the schedule in other applicable.
8. The Consultant shall furnish all engineering services, labor, equipment, and incidentals as may be required to perform this contract, except as otherwise provided herein.
9. All work performed and submitted under this contract, including the Consultant including his subcontractors and/or independent contractors retained pursuant to this agreement, shall be done in a manner acceptable to the County, and all computations prepared or obtained under the terms of the contract shall be delivered to and become the property of the County and that basic noted and sketches, charts, computations, and other data prepared or obtained under such contract shall be made available upon request, to the County without restriction or limitation on their use. Consultant shall retain these documents for a minimum of three years from the date of final payment.
10. This contract is null and void unless the amount of the contract has been encumbered by the County and approved for payment by the Board of County Commissioners.
11. This agreement cannot be assigned or subcontracted by either party without written approval of either party.

## TERMS OF AGREEMENT

This Agreement shall be effective upon execution by all parties and will expire on completion of the scope of work.

## OWNER IS A GOVERNMENTAL ENTITY OF THE STATE OF OKLAHOMA

It is expressly understood that the County under this agreement is a body corporate and politic of the State of Oklahoma and consequently may only contract within limitations provided by Oklahoma law. Notwithstanding any other provision to the contrary hereinbefore set forth, the provisions of the Article shall control any other provisions of this agreement.

The Consultant shall not perform any services until the Consultant receives a Purchase Order from Oklahoma County showing the full amount of the obligation created pursuant to this Agreement for the Project has been encumbered within an unencumbered amount previously appropriated for such purpose within the budget of Oklahoma County for Fiscal Year 2024. For the purpose of this agreement it is understood and agreed that the full amount of the obligation created pursuant to this Agreement is no more than One Hundred Thirty-Six Thousand Nine Hundred Seventy-Eight Dollars and No/100 (\$136,978.00). In the event that an Amendment is approved pursuant to terms of this agreement, and terms of the Amendment require payment of any sum in addition to the sum immediately aforesaid, Consultant shall not perform any services contemplated within the scope of said Amendment until Consultant receives a Purchase Order showing that the full amount previously appropriated for such purchase in the budget of the Oklahoma County's Fiscal Year within which the Amendment is appropriated.

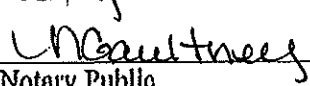
## CONSULTANT:

Standard Engineering & Field Services  
3400 North Lincoln Blvd.  
Oklahoma City, OK 73105  
405-528-0541

Signed before me this 13 day of February 2025.

  
Consultant

ROY KHALIFE Sr VP  
Printed Name and Title

  
Notary Public

3-1-2026  
My Comm. Expires



IN WITNESS WHEREOF, the parties have executed this agreement this \_\_\_\_ day of \_\_\_\_\_, 2025.

BOARD OF COUNTY COMMISSIONERS  
OKLAHOMA COUNTY, OKLAHOMA

\_\_\_\_\_  
Chairman


\_\_\_\_\_  
Member

\_\_\_\_\_  
Member

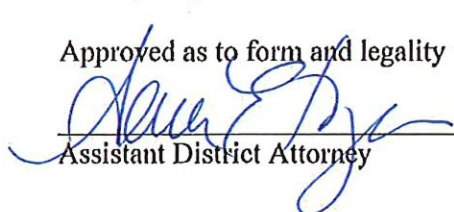
ATTEST:

\_\_\_\_\_  
County Clerk

APPROVED:

  
Stacey Trumbo, P.E.  
County Engineer

Approved as to form and legality this 11 day of Feb, 2025.

  
Assistant District Attorney



ATTACHMENT "A"



Proposal for Building Envelope Testing, Inspections,  
& Consulting Services

Oklahoma County Behavioral Center



February 6, 2025

Regarding: Proposal for Building Envelope Testing, Inspections, & Consulting Services

Oklahoma County Behavioral Center  
Oklahoma City, Oklahoma  
BP2025-0006

In response to your request for a proposal for Building Envelope 3<sup>rd</sup> Party Testing and Inspections for the Oklahoma County Behavioral Center, located in Oklahoma City, Oklahoma, we are pleased to provide our estimated budget for your consideration. Testing and Inspection requirements were obtained from the specifications and plans and/or information you provided.

### Qualifications

Standard was founded in 1951 as Standard Testing and Engineering Company, a professional engineering firm specializing in geotechnical and construction 3<sup>rd</sup> party testing & inspections. Today, Standard has evolved to become a leader in not only geotechnical and testing, but also construction management, building code, fire suppression and envelope inspections to serve our clients effectively where they need us. Standard employs highly trained and experienced engineers, inspectors, and professionals at our facilities in Oklahoma City, Spencer, Tulsa, Lawton, Enid, and Guymon.

Overall qualifications and specific competence in performing tests and inspections are most reliably demonstrated by (1) professional licensure and (2) accreditation by a recognized accreditation authority. Standard Engineering & Field Services holds a certificate of authorization (CA #7933) from the Oklahoma State Board of Registration for Professional Engineers and Land Surveyors and employs over 140 experienced engineers, certified testing technicians, and licensed inspectors.

Standard Engineering & Field Services is currently accredited by AAP for over 140 different ASTM testing standards.

### The Importance of Hiring an ASTM E329 Qualified Testing Laboratory

1. Participation in inter-laboratory comparisons and proficiency testing programs.
2. Trained and certified staff.
3. Equipment calibration at required intervals.
4. Maintains a Quality System appropriate to the type, range and volume of inspection and testing activities undertaken.
5. Inspected and accredited - by recognized accreditation authority at least every three years.

Our ASTM E329 accreditation means that we will provide the assurance that our testing laboratory is qualified to do the work right. Many federal, state, local and private contracts specify that testing services be performed by an ASTM E329 accredited laboratory. Risk and liability for the owner, contractor, and supplier are reduced through use of an ASTM E329 accredited laboratory because results are recognized by the courts and are readily accepted by knowledgeable construction professionals.



## Scope of Work

Below is the estimated,

- AAMA 501.2 Hose Nozzle Water Spray Testing
- AAMA 502-02 Pressure penetration field testing specifications for Windows and Sliding Glass Doors
- ASTM D 4541 Pull-Off Strength of Coatings Using Portable Adhesion Testers
- ASTM E 1186 Air Leakage Site Detection in Building Envelopes and Air Barrier Systems

Below is the estimated budget for each scope of work based on the plans and specifications provided. This proposal does not represent a lump sum price, it is our estimated budget for this scope of work. Should the scope of work change we will be happy to discuss amendments to scope and pricing. Additional tests and inspections, not identified at this time, if required and/or requested, will be performed at our standard unit rates. Prices are subject to change based on overtime, holidays, and the sequence of construction activities dictated by the prime contractor and various trade subcontractors. An administrative charge of 2.0% of the invoice amount will be added to all invoices. A report preparation, review, and distribution charge associated with each report will be billed in accordance with the below rate schedule. Hourly rate related to all field activities will be billed portal-to-portal at a 4-hour minimum.

## Authorization

Please complete and return an executed copy of the Project Data Sheet - Agreement for Services as soon as possible. If you have any proposed revisions or other authorization forms, please forward these for our review. The Project Data Sheet – Agreement for Services form provides further detail on report distribution, invoicing instructions, and allows us to gather necessary information which is critical so that we can set up your project in our reporting system.

## Scheduling & Questions

Standard's phone number for dispatching testing technicians and inspectors to the site is (405)-768-3233. Our field project managers will also be able to coordinate any other testing support needed. I can also be reached at the same number if you need any additional assistance. We advise that all work be scheduled at least 24 hours in advance to ensure our staff is available to meet your needs.

Sincerely,

Standard Engineering & Field Services



Roy Khalife, P.E.  
Senior Vice President



Project: Oklahoma County Justice Center  
Behavioral Care Center- BCC  
**Mock-up Testing: Estimated Cost- Spec 014339**  
Date: 02/05/2025

Code	Item	Quantity	Rate	Total
<b><u>Building Envelope Testing</u></b>				
BH057	Water Penetration Testing (AAMA 501.2)	1	\$2,800.00	Day \$2,800.00
BH0055	Water Penetration Testing (ASTM E1105/AAMA 502)	1	\$3,700.00	Day \$3,700.00
BH073	Air Barrier Adhesion (ASTM D4541 Method B), 3 Tests Minimum per Trip	3	\$95.00	Test \$285.00
<b>Special Inspections Service Subtotal</b>				<b>\$6,785.00</b>
<b><u>Miscellaneous Management</u></b>				
BH000	Preconstruction Meetings	4	\$150.00	Hour \$600.00
BH085	Building Envelope Project Manager	6	\$150.00	Hour \$900.00
BH003	Senior Staff Engineering Review	6	\$225.00	Hour \$1,350.00
BH023	Clerical Staff	6	\$75.00	Hour \$450.00
<b>Miscellaneous Management Subtotal</b>				<b>\$3,300.00</b>
<b><u>Travel and Report</u></b>				
BT001	Local Trip Charge (Within 25-Mile Radius)	6	\$40.00	Trip \$240.00
BZ003	Report Preparation, Review, and Distribution	8	\$36.00	Report \$288.00
<b>Trip Charge Subtotal</b>				<b>\$528.00</b>
<b>Estimated Project Budget</b>				<b>\$10,613.00</b>

#### Assumptions

The air barrier adhesion testing is assumed to take place prior to installing the exterior wall cladding at the mockup construction and will require an trip to the project site.

Water Testing that is conducted on the mockup construction is specified at a minimum of 3 tests. If the mockup construction is completed with all materials installed, the testing should take 1 day per testing type. This proposal assumes all components will be installed at the time of scheduling.

Multiple trips will be needed to finalize the water testing at the three phases of completion.

#### Specification 014339- Testing of Integrated Exterior Mockups

Water-Spray Test: Before installation of interior finishes has begun, test areas designated by Architect in accordance with AAMA 501.2 water penetration Perform a minimum of three tests in areas as directed by Architect.

Air Leakage: Perform a minimum of three tests in areas as directed by Architect, Prior to 10, 35, and 70 percent completion.





**Project: Oklahoma County Justice Center**  
**Behavioral Care Center- BCC**  
**Cold-Formed Steel Framing Estimated Cost- Spec 054000**  
**Date: 02/05/2025**

Code	Item	Quantity Rate			Total
<u>Building Envelope Inspection</u>					
BH003	Senior Staff Engineer	8	\$225.00	Hour	\$1,800.00
BH005	Staff Engineer	0	\$180.00	Hour	\$0.00
BH000	Envelope Inspector	40	\$120.00	Project	\$4,800.00
Special Inspections Service Subtotal					\$6,600.00
<u>Miscellaneous Management</u>					
BH000	Preconstruction Meetings	6	\$150.00	Hour	\$900.00
BH085	Building Envelope Project Manager	20	\$150.00	Hour	\$3,000.00
BH003	Senior Staff Engineering Review	5	\$225.00	Hour	\$1,125.00
BH023	Clerical Staff	10	\$75.00	Hour	\$750.00
Miscellaneous Management Subtotal					\$5,775.00
<u>Travel and Report</u>					
BT001	Local Trip Charge (Within 25-Mile Radius)	10	\$40.00	Trip	\$400.00
BZ003	Report Preparation, Review, and Distribution	10	\$36.00	Report	\$360.00
Trip Charge Subtotal					\$760.00
Estimated Project Budget					\$13,135.00

**Assumptions**

The cold-formed steel framing system was not clearly defined in the documents when this proposal was created, therefore the allocated hours are approximate. The framing system shall be reviewed as soon as the construction documents are completed. Some areas may not have a complete framing system and may differ in material type. This inspection may require 10-12 trips to complete.



**Project: Oklahoma County Justice Center**  
**Behavioral Care Center- BCC**  
**Self- Adhering Sheet Waterproofing: Estimated Cost- Spec 071326**  
**Date: 02/05/2025**

Code	Item	Quantity Rate			Total
<u>Building Envelope Inspection</u>					
BH081	Building Envelope Consultant	20	\$225.00	Hour	\$4,500.00
BH000	Envelope Inspector	80	\$120.00	Hour	\$9,600.00
Special Inspections Service Subtotal					\$14,100.00
<u>Miscellaneous Management</u>					
BH000	Preconstruction Meetings	6	\$150.00	Hour	\$900.00
BH085	Building Envelope Project Manager	20	\$150.00	Hour	\$3,000.00
BH003	Senior Staff Engineering Review	4	\$225.00	Hour	\$900.00
BH023	Clerical Staff	10	\$75.00	Hour	\$750.00
Miscellaneous Management Subtotal					\$5,550.00
<u>Travel and Report</u>					
BT001	Local Trip Charge (Within 25-Mile Radius)	25	\$40.00	Trip	\$1,000.00
BZ003	Report Preparation, Review, and Distribution	25	\$36.00	Report	\$900.00
Trip Charge Subtotal					\$1,900.00
Estimated Project Budget					\$21,550.00

#### Assumptions

The waterproofing material shall be inspected and reviewed during the installation process at 4 hour intervals during each visit. The inspection is assumed to take approximately 20 visits throughout the installation of the materials. This does not cover any unforeseen incidents that may accumulate additional days to complete. Consultant hours have been allocated for such incidents that may require thorough analysis of the material conditions and manufacturer recommendations. The building envelope project manager may coordinate information to the manufacturer during the review process.

#### Specification 071326- Self- adhering Sheet Waterproofing

Inspection: Owner will engage a full-time independent testing and inspection agency to inspect substate conditions, surface preparation, membrane application, flashing, protection, and drainage components; and to furnish daily reports to the Owner and Architect.





**Project: Oklahoma County Justice Center**  
**Behavioral Care Center- BCC**  
**Fluid- Applied Membrane Air Barriers: Estimated Cost- Spec 072726**  
**Date: 02/05/2025**

Code	Item	Quantity	Rate	Total
<b><u>Building Envelope Testing</u></b>				
BH073	Air Barrier Adhesion (ASTM D4541 Method B), 3 Tests Minimum per Trip	50	\$95.00	Test \$4,750.00
BH059	Blower Door Testing (ASTME1827, E779, E1186)	8	\$2,500.00	Day \$20,000.00
BH065	Air Infiltration Testing (ASTME783)	2	\$1,500.00	Day \$3,000.00
BH079	Building Envelope Field Technician, 4-Hour Minimum	32	\$120.00	Hour \$3,840.00
<b>Special Inspections Service Subtotal</b>				<b>\$31,590.00</b>
<b><u>Miscellaneous Management</u></b>				
BH000	Preconstruction Meetings	16	\$150.00	Hour \$2,400.00
BH085	Building Envelope Project Manager	32	\$150.00	Hour \$4,800.00
BH003	Senior Staff Engineering Review	6	\$225.00	Hour \$1,350.00
BH023	Clerical Staff	10	\$75.00	Hour \$750.00
<b>Miscellaneous Management Subtotal</b>				<b>\$9,300.00</b>
<b><u>Travel and Report</u></b>				
BT001	Local Trip Charge (Within 25-Mile Radius)	18	\$40.00	Trip \$720.00
BZ003	Report Preparation, Review, and Distribution	30	\$36.00	Report \$1,080.00
<b>Trip Charge Subtotal</b>				<b>\$1,800.00</b>
<b>Estimated Project Budget</b>				<b>\$42,690.00</b>

**Assumptions**

Air barrier adhesion pull testing is specified every 600 ft on each side of the façade. The sides of the building was estimated for the quantity of the testing samples that will be taken. The assumed areas may vary in material type and may not require a test in certain areas.

The blower door testing will be setup in 4 separate location of the building and it is assumed to have all construction at each area to be completed prior to the testing. If the areas are not completely sealed or finished, the testing may have unsatisfactory results.

The testing will be conducted with all materials installed at each area that needs testing.

Preconstruction meetings are assumed to take place prior to the envelope testing to ensure quality testing and team collaboration during the construction.

Labor hours are allocated to ensure the airtightness of chambers, compartments, and sections of the building will be in place. Modifications will be implemented as needed and/or communicated to the onsite contractors prior to testing.

**Specification 072726- Fluid- Applied Membrane Air Barriers**

**Air-Leakage- Location Testing:** Air- Barrier assemblies will be tested for evidence of air leakage in accordance with ASTM E1186, chamber pressurization or depressurization with smoke tracers. Conduct a minimum of two tests in accordance with the specified test method.

**Air- Leakage Volume Testing:** Air Barrier assemblies will be tested for air-leakage rate in accordance with ASTM E783. Conduct a minimum of two tests in accordance with the specified test method.

**Adhesion Testing:** Air-barrier assemblies will be tested for required adhesion to substrate in accordance with ASTM D4541 for each 600 sq.ft. of installed air barrier or part thereof.





Project: Oklahoma County Justice Center  
Behavioral Care Center- BCC  
**Thermoplastic- Polyolefin (TPO) Roofing: Estimated Cost- Spec 075423**  
Date: 02/05/2025

Code	Item	Quantity Rate			Total
<b><u>Building Envelope Testing and Inspections</u></b>					
BH015	RRC Certified Inspector, 4-hr. Minimum/Trip	100	\$150.00	Hour	\$15,000.00
BH067	Electronic Leak Detection	0	\$6,000.00	Day	\$0.00
BH075	Infrared Testing (ASTM C1153), 4-hr Minimum/Trip	1	\$450.00	Day	\$450.00
BH000	Flood Testing (Consultant Observation / Inspection)	48	\$225.00	Test	\$10,800.00
BH000	Fastener Pull-Testing	1	\$1,200.00	Day	\$1,200.00
BH000	Building Envelope Field Technician, 4-Hour Minimum	8	\$150.00	Hour	\$1,200.00
Special Inspections Service Subtotal					\$27,450.00
<b><u>Miscellaneous Management</u></b>					
BH000	Preconstruction Meetings	12	\$150.00	Hour	\$1,800.00
BH081	Building Envelope Consultant	18	\$225.00	Hour	\$4,050.00
BH085	Building Envelope Project Manager	24	\$150.00	Hour	\$3,600.00
BH003	Senior Staff Engineering Review	12	\$225.00	Hour	\$2,700.00
BH023	Clerical Staff	4	\$75.00	Hour	\$300.00
Miscellaneous Management Subtotal					\$12,450.00
<b><u>Travel and Report</u></b>					
BT001	Local Trip Charge (Within 25-Mile Radius)	40	\$40.00	Trip	\$1,600.00
BZ003	Report Preparation, Review, and Distribution	40	\$36.00	Report	\$1,440.00
Trip Charge Subtotal					\$3,040.00
Estimated Project Budget					\$42,940.00

#### Assumptions

The roofing inspection during the installation and at post installation will require approximately 25 days. The installation of the material and the electronic leak detection will be observed and monitored. The flood testing and infrared scanning will work in conjunction with another and is assumed hours to be completed over a 4 day period. If the flood testing fails, the hours are not included in this proposal and may require additional labor hours to restart the 48 hour testing period.

The fastener pull testing is assumed to take 1 day, if all materials are in place and the specified areas have been established prior to the testing. Any failed testing may require additional hours for inspection or testing.

#### Specification 075423 Field Quality Control

Engage a full-time site representative qualified by roofing manufacturer to inspect substrate conditions; surface preparation; and application of membrane, base flashing, protection, insulation, and ballast; furnish daily reports.

Testing Agency: Owner will engage a qualified testing agency to perform tests and to inspect substrate conditions, surface preparations, roof membrane application, sheet flashings, protection, and drainage components, and to furnish reports to Architect.

Engage a qualified testing agency to observe electronic leak detection tests to determine and report leaks.

Flood Testing: Flood test each roof area for leaks, according to recommendations in ASTM D5957, after completing roofing and flashing but before overlying construction is placed. Install temporary containment assemblies, plug or dam drains, and flood with potable water.

1. Perform tests before overlying construction is placed
2. Flood to an average depth of 2- 1/2 inches with a minimum depth of 1 inch and not exceeding a depth of 4 inches. Maintain 2 inches of clearance from top of base flashing.
3. Flood each area for 48 hours.
4. After flood testing, repair leaks, repeat flood tests, and make further repairs until roofing and flashing installations are watertight.

Infrared Thermography: Testing agency shall survey entire roof area using infrared color thermography to ASTM C1153.





**Project: Oklahoma County Justice Center  
Behavioral Care Center- BCC**  
**Fireproofing/ Firestopping: Estimated Cost- Spec 078100 and 078413**  
**Date: 02/05/2025**

Code	Item	Quantity	Rate		Total
<b><u>Building Envelope Testing</u></b>					
BH008	Fire Stopping Inspector, 4-hr. Minimum/Trip	200	\$130.00	Hour	\$26,000.00
BY001	Thickness of Spray-On Fireproofing (ASTME605), 3 Location Minimum Excl. Tech Time	12	\$50.00	Location	\$600.00
BH003	Density of Spray-On Fireproofing (ASTM E605, Template Method)	28	\$150.00	Location	\$4,200.00
BH007	Bond of Spray-On Fireproofing (ASTME736) Excl. Tech Time	28	\$85.00	Location	\$2,380.00
<b>Special Inspections Service Subtotal</b>					<b>\$33,180.00</b>
<b><u>Miscellaneous Management</u></b>					
BH000	Preconstruction Meetings	3	\$150.00	Hour	\$450.00
BH085	Building Envelope Project Manager	30	\$150.00	Hour	\$4,500.00
BH003	Senior Staff Engineering Review	8	\$225.00	Hour	\$1,800.00
BH023	Clerical Staff	10	\$75.00	Hour	\$750.00
<b>Miscellaneous Management Subtotal</b>					<b>\$7,500.00</b>
<b><u>Travel and Report</u></b>					
BT001	Local Trip Charge (Within 25-Mile Radius)	30	\$40.00	Trip	\$1,200.00
BZ003	Report Preparation, Review, and Distribution	30	\$36.00	Report	\$1,080.00
<b>Trip Charge Subtotal</b>					<b>\$2,280.00</b>
<b>Estimated Project Budget</b>					<b>\$42,960.00</b>

#### Assumption

The firestopping inspections will consists of preliminary visits to the site prior to the application of the materials at each section of the building to ensure quality application. During the inspection visits, all non-compliance of application of material will result in a follow-up to correct each deficiency. It is assumed that team collaboration with the applicator and construction teams will have understanding of the inspection requirements and schedules. All testing of the SFRM will be tested in accordance with the manufacturers instructions, recommendations and curing times of the materials. The density testing shall be scheduled according the curing restrictions for testing and the 48 hour turnaround for lab results, prior to the next sections. This proposal has approximate testing sample quantities and is based off of the square footage of the building. There may be some areas that may not require applied fireproofing materials to structural members. If areas have failures that remain non-compliant, this may require additional labor hours for inspection or testing.

#### Specification 078100- Applied Fire Protection

Special Inspection: Owner will engage a qualified special inspector to perform the following special inspections:

1. Test and inspect as required by the IBC, Subsection 1705.13, "Sprayed Fire-Resistant Materials."

Perform the tests and inspections of completed Work in successive stages.

Visual Inspection: Prior to Application, After Application, and Final Inspection.

1. Thickness for Floor, Roof, and Wall Assemblies: For each 1000-sq. ft. area
2. Thickness for Structural Frame Members: 25 percent of structural members per floor.
3. Density for Floors, Roofs, Walls, and Structural Frame Members: For each 2,500 sq.ft. area or partial area, on each floor.
4. Bond Strength for Floors, Roofs, Walls, and Structural Framing Members: For each 2,500 sq. ft. area, or partial area, on each floor.

If testing finds application of sprayed fire-resistive material are not in compliance with requirements, testing and inspecting agency will perform additional random testing to determine extent of noncompliance.

#### Specification 078413- Penetration Firestopping

Field Quality Control

Owner will engage a qualified testing agency to perform tests and inspection according to ASTM E2174.





Project: Oklahoma County Justice Center  
Behavioral Care Center- BCC  
**Security Aluminum Framed Entrance and Storefronts: Estimated Cost- 084153**  
Date: 02/05/2025

Code	Item	Quantity	Rate	Total
<b>Building Envelope Testing</b>				
BH008	Water Penetration Testing (AAMA 501.2)	1	\$2,800.00	Day \$2,800.00
BY001	Water Penetration Testing (ASTM E1105/AAMA 502)	1	\$3,700.00	Day \$3,700.00
BH065	Air Infiltration Testing (ASTM E783)	1	\$1,500.00	Day \$1,500.00
BH000	Fastener Pull-Testing (Security Doors and Windows)	0	\$1,200.00	Day \$0.00
<b>Special Inspections Service Subtotal</b>				<b>\$8,000.00</b>
<b>Miscellaneous Management</b>				
BH000	Preconstruction Meetings	3	\$150.00	Hour \$450.00
BH085	Building Envelope Project Manager	7	\$150.00	Hour \$1,050.00
BH003	Senior Staff Engineering Review	3	\$225.00	Hour \$675.00
BH023	Clerical Staff	4	\$75.00	Hour \$300.00
<b>Miscellaneous Management Subtotal</b>				<b>\$2,475.00</b>
<b>Travel and Report</b>				
BT001	Local Trip Charge (Within 25-Mile Radius)	9	\$40.00	Trip \$360.00
BZ003	Report Preparation, Review, and Distribution	9	\$36.00	Report \$324.00
<b>Trip Charge Subtotal</b>				<b>\$684.00</b>
<b>Estimated Project Budget</b>				<b>\$11,159.00</b>

#### Assumptions

The window testing is specified for one test per type, assuming all materials are will be installed prior to the testing. same day. Testing failures may require additional followup testing and additional labor hours.

Any lift equipment, water connections, water pressure, and work space is assumed to be provided by the contractor.

#### Specification 084153- Security Aluminum Framed Entrances and Storefronts

Testing Agency: Engage a qualified independent testing and inspecting agency to perform field tests and inspections and prepare test reports.

Test Area: Perform tests on representative areas of security aluminum-framed storefronts and mockups.

Field Quality-Control Testing: Perform the following test on representative areas of security aluminum-framed storefronts and mockups.

1. Water-Spray Test (Water Nozzle Spray Test): Before installation of interiors finishes has begun, areas designated by Architect shall be tested in accordance with AAMA 501.2 and shall not evidence water penetration.

Perform tests in each test area as directed by Architect. Perform at least (3) total tests as follows:

1. 35 Percent Completion: Perform at least (1) test prior to 35 percent completion.

2. Water Penetration: ASTM E1105 at a minimum uniform static-air-pressure differential of 15 lbf/sq.ft., and shall not evidence water penetration.

Perform tests in each test area as directed by Architect. Perform at least (3) total tests as follows:

1. 35 Percent Completion: Perform at least (1) test prior to 35 percent completion.

Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of the additional work with specified requirement.





Project: Oklahoma County Justice Center  
Behavioral Care Center- BCC  
**Window and Curtain Walls: Estimated Cost- 084413**  
Date: 02/05/2025

Code	Item	Quantity Rate			Total
<u>Building Envelope Testing</u>					
BH008	Water Penetration Testing (AAMA 501.2)	3	\$2,800.00	Day	\$8,400.00
BY001	Water Penetration Testing (ASTM E1105/AAMA 502)	3	\$3,700.00	Day	\$11,100.00
BH077	Structural Sealant Adhesion (ASTM C1401, Destructive Test Method A Hand Pull Tab)	48	\$95.00	Test	\$4,560.00
BH079	Building Envelope Field Technician, 4-Hour Minimum	15	\$120.00	Hour	\$1,800.00
Special Inspections Service Subtotal					\$24,060.00
<u>Miscellaneous Management</u>					
BH000	Preconstruction Meetings	6	\$150.00	Hour	\$900.00
BH085	Building Envelope Project Manager	22	\$150.00	Hour	\$3,300.00
BH003	Senior Staff Engineering Review	8	\$225.00	Hour	\$1,800.00
BH023	Clerical Staff	4	\$75.00	Hour	\$300.00
Miscellaneous Management Subtotal					\$6,300.00
<u>Travel and Report</u>					
BT001	Local Trip Charge (Within 25-Mile Radius)	10	\$40.00	Trip	\$400.00
BZ003	Report Preparation, Review, and Distribution	15	\$36.00	Report	\$540.00
Trip Charge Subtotal					\$940.00
Estimated Project Budget					\$31,300.00

#### Assumptions

The window testing is specified for one test per type, assuming all materials are will be installed prior to the testing. All testing could be completed on 10 trips. same day. Testing failures may require additional followup testing and additional labor hours.

Any lift equipment, water connections, water pressure, and work space is assumed to be provided by the contractor.

#### Specification 084413- Window and Curtain Walls

##### Field Quality Control

Testing Agency: Engage a qualified independent testing and inspecting agency to perform field tests and inspections and prepare test reports.

Test Area: Perform tests on representative areas of glazed aluminum curtain walls and mockups.

Field Quality-Control Testing: Perform the following test on representative areas of glazed aluminum window and curtain walls and mockups.

1. Water-Spray Test (Water Nozzle Spray Test): Before installation of interiors finishes has begun, areas designated by Architect shall be tested in accordance with AAMA 501.2 and shall not evidence water penetration.

Perform tests in each test area as directed by Architect. Perform at least (9) total tests as follows:

1. 10 Percent Completion: Perform at least on (3) test prior to 10 percent completion.
1. 35 Percent Completion: Perform at least on (3) test prior to 35 percent completion.
1. 70 Percent Completion: Perform at least on (3) test prior to 70 percent completion.

2. Water Penetration Under Static Pressure (Chamber Test): Areas shall be tested according to AAMA 503 and ASTM E1105 at a minimum uniform static air pressure differential of 15 lbf/sq.ft., and shall not evidence water penetration.

1. 10 Percent Completion: Perform at least on (3) test prior to 10 percent completion.
1. 35 Percent Completion: Perform at least on (3) test prior to 35 percent completion.
1. 70 Percent Completion: Perform at least on (3) test prior to 70 percent completion.

Structural-Sealant Adhesion: Test structural sealant according to recommendations in ASTM C1401, Destructive Test Method A, "Hand Pull Tab (Destructive)".

1. Test a minimum of (6) areas on each building façade.





Project: Oklahoma County Justice Center  
Behavioral Care Center- BCC  
**Behavioral Healthcare Aluminum Windows: Estimated Cost- 085113.13**  
Date: 02/05/2025

Code	Item	Quantity	Rate	Total
<b><u>Building Envelope Testing</u></b>				
BY001	Water Penetration Testing (ASTME1105/AAMA 502)	3	\$3,700.00	Day \$11,100.00
<b>Special Inspections Service Subtotal</b>				<b>\$11,100.00</b>
<b><u>Miscellaneous Management</u></b>				
BH000	Preconstruction Meetings	6	\$150.00	Hour \$900.00
BH085	Building Envelope Project Manager	4	\$150.00	Hour \$600.00
BH003	Senior Staff Engineering Review	3	\$225.00	Hour \$675.00
BH023	Clerical Staff	4	\$75.00	Hour \$300.00
<b>Miscellaneous Management Subtotal</b>				<b>\$2,475.00</b>
<b><u>Travel and Report</u></b>				
BT001	Local Trip Charge (Within 25-Mile Radius)	4	\$40.00	Trip \$160.00
BZ003	Report Preparation, Review, and Distribution	5	\$36.00	Report \$180.00
<b>Trip Charge Subtotal</b>				<b>\$340.00</b>
<b>Estimated Project Budget</b>				<b>\$13,915.00</b>

#### Assumptions

The window testing is specified for one test per phase, assuming all materials are will be installed prior to the testing. Testing could be completed on 3 trips same day. Testing failures may require additional followup testing and additional labor hours.  
Any lift equipment, water connections, water pressure, and work space is assumed to be provided by the contractor.

#### Specification 085113.13- Behavioral Healthcare Aluminum Windows

##### Field Quality Control

Testing Agency: Engage a qualified testing and inspecting agency to perform field tests and inspections.

1. Testing and inspecting agency will interpret tests and state in each report whether tested work complies with or deviates from requirements.

Testing Services: Testing and inspection of installed windows as follows:

1. Testing Methodology: Testing of windows for water resistance in accordance with AAMA 502.
2. Water Penetration Under Static Pressure (Chamber Test): Areas shall be tested according to AAMA 503 and ASTME1105 at a minimum uniform static air pressure differential of 15 lbf/sq.ft., and shall not evidence water penetration.
  - a. Perform tests in each test area as directed by Architect. Perform at least (9) total tests as follows:
    1. 10 Percent Completion: Perform at least on (3) test prior to 10 percent completion.
    1. 35 Percent Completion: Perform at least on (3) test prior to 35 percent completion.
    1. 70 Percent Completion: Perform at least on (3) test prior to 70 percent completion.

3. Test Reports: Prepared in accordance with AAMA 502.

Prepare Test and inspection reports.

# Standard Engineering & Field Services

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3400 North Lincoln Boulevard • Oklahoma City, Oklahoma 73105 • (405) 528-0541 •  
standardusa.com

## Quality Management System

R18, C1077 (Aggregate), C1077 (Concrete), D3666 (Aggregate), D3666 (Asphalt Mixture),  
D3740 (Soil), E329 (Aggregate), E329 (Asphalt Mixture), E329 (Concrete), E329 (SFRM), E329  
(Soil)

## Water Penetration

E1105, AAMA 501.2, D7877, D8231

## Air Penetration

E783, E1186, E779, E1827

## Infrared Thermal Imaging

C1153, E1186

## Drone (UAV)

F3379, F2908, F2910, F3196, F3266, F3298, F3330

## Fire-Resistive Material

E605, E736, E2174/E2393, E1966

## Building Commissioning

Roofs, Windows, Floors, Foundations, Walls, MEP, Indoor Air Quality, Thermal, Paint

## Non-Destructive Testing

NDI, UTI, Dye Penetrant, Mag Particle, X-ray, Penetrating Radar

## Building Consultant

E329-21, E2083, E2841





# Our Portfolio

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## Federal

- KC-46 Depot Hangar
- KC-46 Infrastructure Project
- Altus AFB Runway Reconstruction
- FAA Security Command Center
- Tinker AFB Repair AWACS Apron



## Building Envelope

- OMD Field Maintenance Shop Ardmore, OK
- Control Panels USA Inc. Lawton Towers
- Integris Medical Center
- VA Health Care Systems OKC OK
- Freshman Housing North Building Norman, OK



## K-12 Education

- Various Norman Public Schools
- Various Edmond Public Schools
- Various Lawton Public Schools
- Medford Public Schools
- Various Oklahoma City Public Schools



## Wind

- Kings Plain Wind Farm
- Red Bed Plains Wind Farm
- Mammoth Plains Wind Farm
- Rush Springs Wind Farm
- Buffalo Bear Wind Farm



## Higher Education

- OU Stadium Expansion
- OU Asp Avenue Parking Garage
- OU Devon Energy Hall
- OU Donald Reynold Performing Arts Center
- OU Biomedical Research Center



## Municipal

- Scissor Tail Park OKC
- Myriad Botanical Gardens
- Ford Center Expansion
- Edmond Streetscapes Project
- Various City of OKC Projects



## Healthcare

- OU Medical 11 Story Bed Tower
- OHHS Super West Expansion
- Norman Regional Healthplex
- OU Children's Hospital
- Mercy Hospital in Ardmore



## Water & Wastewater

- Hefner WTP Expansion
- Coffee Creek Wastewater Treatment Plant
- Hefner WTP Chemical Storage Facility
- Arcadia WTP Control Building
- Bethany Water Treatment Plant



## Warehouse

- Various Hobby Lobby Warehouses
- Tinker Medical Warehouse
- MROTC Boeing Hangars
- Moore/Norman Vo Warehouse Renovation
- Chappell Supply & Equipment Warehouse



## Commercial

- Firelake Grand Casino and Hotel
- Riverwind Hotel in Norman
- Embassy Suites Hotel & Conference
- Goodyear Plant Expansion
- Nestle Purina Plant Expansion

# Our Services

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## Construction Testing & Inspection

- ACI Concrete Pavement Inspection
- Air Content Test
- Concrete And CLSM Cylinder Cast
- Concrete Beam Cast
- Depth Check
- Fireproofing Testing
- Floor Flatness and Levelness
- Flow Test
- Foundation Inspection
- Masonry Construction Inspection
- Pier Drilling Inspection
- Post Tensioning Inspection
- Proof Roll Inspection
- Rebar Inspection
- Relative Humidity of Concrete Slabs
- Roadway Coring and Length Measurement
- Roadway Density by Nuclear Method
- Shop Inspection
- Slump Test
- Soil Compaction by Nuclear Method
- Soil Compaction by Sand Cone Method
- Structural Steel Inspection

## Drilling

- Continuous Flight Hollow Stem Auger
- Continuous Flight Solid Stem Auger
- CPT-U
- Monitoring Wells & Piezometer Installation
- Mud Rotary
- Pressuremeter Testing
- Rock Coring
- Settlement Plates Installation & Monitoring
- Standard Penetrating Testing
- Texas Cone Testing
- Undisturbed Push Sampling

## Building Envelope

- Roofing Testing / Inspection
- Aluminum/ Storefront Windows
- Water Penetration Testing
- Air Penetration / Leakage Testing
- Foundation / Blindsided Waterproofing
- Applied Waterproofing Testing
- MEP Inspection
- Indoor Air Quality Testing
- Thermal Imaging & Analysis
- Paint Testing / Analysis
- Non-destructive/ Destructive Testing
- Fire-Resistive Spray / Intumescent Material Inspection
- Envelope Consulting

## Laboratory

- 1-D Consolidation and Swell
- Aggregate Durability
- Alkali-Silica Reactivity
- Atterberg Limits
- Beam Flexural Strength
- California Bearing Ratio
- Compressive Strength of Concrete, Grout, Mortar & Masonry
- Direct Shear
- Dry Density
- Extraction and Gradation
- Flat or Elongated Particles
- Freeze-Thaw and Wet-Dry
- LA Abrasion
- Marshall Stability and Flow
- Masonry Absorption
- Maximum Theoretical Specific Gravity
- pH and Resistivity
- Sieve Analysis
- Soil Classification
- Soil, Asphalt, and Concrete Mix Designs
- Soluble Sulfate, Chloride
- Specific Gravity
- Superpave Gyration
- Tri-Axial (UU, CU, CD)
- Unconfined Compressive Strength



## STANDARD ENGINEERING & FIELD SERVICES -- PROJECT DATA SHEET & AGREEMENT FOR SERVICES

To ensure proper report distribution, invoicing, and specification interpretation, please provide the following, in detail, including valid email addresses:

Client Firm/Entity:	Standard Proposal No.:	BP2025-0006
Address:	Project Name/Description:	
City, State, Zip Code:	Project Location:	
Project Manager:	Project Owner:	
PM E-Mail:	Owner Project No.:	
PM Phone:	Prime Contractor:	
Job No.:	Architect or Engineer:	

### Paying Party (if different from Client)

Firm / Organization:	
Address:	
City, State, Zip Code:	
Project Manager:	
PM E-Mail:	
PM Phone:	
Job No.:	

### ACCOUNTING INFORMATION\*

AP Contact:	
Address:	
City, State, Zip Code:	
AP Contact Phone:	
AP Contact E-Mail:	
Purchase Order No.:	
Email Invoice to:	

Address Project Correspondence to:

Authorized Standard Representative:

### REPORT DISTRIBUTION\*

<input type="checkbox"/> E-Mail <input type="checkbox"/> Web Portal	<input type="checkbox"/> E-Mail <input type="checkbox"/> Web Portal
Firm / Organization:	Firm / Organization:
Contact:	Contact:
E-Mail:	E-Mail:
<input type="checkbox"/> E-Mail <input type="checkbox"/> Web Portal	<input type="checkbox"/> E-Mail <input type="checkbox"/> Web Portal
Company:	Company:
Contact:	Contact:
E-Mail:	E-Mail:

Other Pertinent Information:

### Disclosure of Hazardous and Toxic Material and Conditions at the Project (check One)

RESPONSIBLE PARTY is not aware of any hazardous wastes or substances, toxic materials or conditions or petroleum products ("Hazardous Materials") existing at the site of the Project, EXCEPT:

☐ None ☐ Petroleum Fuels Only ☐ Those items Described (attached "Exhibit III" if more space is required)

By signing below, Client and Paying Party (hereinafter collectively Responsible Party) hereby engage Standard to provide the services set forth in PART I, at the Project described above, Responsible Party agrees to pay Standard in accordance with PART II and agrees to be bound by the Standard Terms and Conditions which are incorporated herein by reference. The parties agree:

**PART I** – Scope of Work, the following is incorporated herein by reference:

Building Envelope Testing, Inspection, and Consulting – Proposal No. BP2025-0006 Dated February 6, 2025

**PART II** – Fee, the following is incorporated herein by reference:

Estimated Budget or Current Standard Unit Rates Presented in Proposal No BP2025-0006

An administrative charge of 2.0% is added to all invoices. Time will be charged portal to portal with 4-hr minimum for steel inspection and all field activities, excluding specimen pickup, site consultations and lump sum invoices. The Responsible Party agrees to pay Standard's invoices NET 30, 10% interest or \$250 late fee may be charged if invoices are not paid when due, at Standard's discretion. Work may be suspended if payment is not timely received. If an invoice is sent to collections, a \$250 fee shall be added to the balance due and the Responsible Party agrees to pay all attorney fees, court costs and other incurred expenses related thereto. If the Project is terminated in whole or in part, then the Responsible Party shall pay for services performed prior to Standard's receipt of written notice of such termination, including Standard's reimbursable expenses and actual and reasonable shut-down costs. If a Standard technician is delayed, late or misses a concrete pour, then Responsible party shall be entitled to a discount of up to \$1,000 on concrete testing services, no other remedy shall be applicable, this supersedes any written agreement to the contrary.

Materials Testing
\$34,724.00
\$12,534.00
\$34,500.00
\$4,688.00
\$8,480.00
\$6,564.00
\$5,288.00
\$19,800.00
\$10,400.00
<b>\$136,978.00</b>

	Building Envelope
Page 3	\$6,785.00
	\$3,300.00
	\$528.00
	<b>\$10,613.00</b>
Page 4	\$6,600.00
	\$5,775.00
	\$760.00
	<b>\$13,135.00</b>
Page 5	\$14,100.00
	\$5,550.00
	\$1,900.00
	<b>\$21,550.00</b>
Page 6	\$31,590.00
	\$9,300.00
	\$1,800.00
	<b>\$42,690.00</b>
Page 7	\$27,450.00
	\$12,450.00
	\$3,040.00
	<b>\$42,940.00</b>
Page 8	\$33,180.00
	\$7,500.00
	\$2,280.00
	<b>\$42,960.00</b>
Page 9	\$8,000.00
	\$2,475.00
	\$684.00
	<b>\$11,159.00</b>
Page 10	\$24,060.00
	\$6,300.00
	\$940.00
	<b>\$31,300.00</b>
Page 11	\$11,100.00
	\$2,475.00
	\$340.00
	<b>\$13,915.00</b>
	<b>\$230,262.00</b>

Total	<b>\$367,240.00</b>
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<b>Bill To</b> OK CO ENGINEERING 320 ROBERT S KERR ROOM 201 OKLAHOMA CITY, OK 73102	Requisition 12505239-00 FY 2025  Acct No: 2034-20-340-000-000-54455 - Review: Buyer: 6065enerimoo Status: Released	Page 1
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<b>Vendor</b> STANDARD TESTING & ENGINEERING COMPANY 3400 N LINCOLN BLVD  OKLAHOMA CITY, OK 73105  Tel#528-0541 Fax 528-0541	<b>Ship To</b> OK CO ENGINEERING 320 ROBERT S KERR ROOM 201 OKLAHOMA CITY, OK 73102
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**Deliver To**  
 OK CO ENGINEERING  
 320 ROBERT S KERR  
 ROOM 201  
 OKLAHOMA CITY, OK 73102

Date Ordered	Vendor Number	Date Required	Ship Via	Terms	Department
02/14/25	1000425				Engineer

LN	Description / Account	Qty	Unit Price	Net Price
001	BLANKET-Building Envelope Testing-Behavioral Care	230262.00 EACH	1.00000	230262.00
1	2034-20-340-000-000-54455 -			230262.00

**Ship To**  
 OK CO ENGINEERING  
 320 ROBERT S KERR  
 ROOM 201  
 OKLAHOMA CITY, OK 73102

**Deliver To**  
 OK CO ENGINEERING  
 320 ROBERT S KERR  
 ROOM 201  
 OKLAHOMA CITY, OK 73102

#### Requisition Link

Requisition Total 230262.00

#### \*\*\*\*\* General Ledger Summary Section \*\*\*\*\*

Account	Amount	Remaining Budget
2034-20-340-000-000-54455 -	230262.00	12871016.63
Jail Bonds 2023	Professional Services-Other	

#### \*\*\*\*\* Approval/Conversion Info \*\*\*\*\*

Activity	Date	Clerk	Comment
Queued	02/14/25	Albert Rodriguez	
Queued	02/14/25	Deborah McDonald	



=====	Requisition 12505239-00 FY 2025
Bill To	
OK CO ENGINEERING	Acct No:
320 ROBERT S KERR	2034-20-340-000-000-54455 -
ROOM 201	Review:
OKLAHOMA CITY, OK	Buyer: 6065enerimoo
73102	Status: Released
	Page 2

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Vendor	Ship To
STANDARD TESTING & ENGINEERING COMPANY	OK CO ENGINEERING
3400 N LINCOLN BLVD	320 ROBERT S KERR
	ROOM 201
	OKLAHOMA CITY, OK 73102
OKLAHOMA CITY, OK 73105	
Tel#528-0541	
Fax 528-0541	

Deliver To  
 OK CO ENGINEERING  
 320 ROBERT S KERR  
 ROOM 201  
 OKLAHOMA CITY, OK 73102

Date Ordered	Vendor Number	Date Required	Ship Via	Terms	Department
02/14/25	000425				Engineer

LN	Description / Account	Qty	Unit Price	Net Price
	Queued 02/14/25 Maria Pinley			
	Queued 02/14/25 Sheena McGrady			
	Queued 02/14/25 Chantel Boso			
	Pending Chantel Boso			
	Pending Ashley Franklin			
	Pending Ashley McMichael			
	Pending Lauren Adkison			
	Pending Long Tran			

Authorized By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature