



School District #29 of Cleveland County, Oklahoma d/b/a Norman Public Schools

Invitation to Bid # 2025002

Window Security Film

Return Sealed Proposal to this address:



NPS Purchasing Department
131 South Flood
Norman, OK 73069

Date of Issuance: March 28, 2025

Bidder Name:

Bid Number: 2025002

Bidder Address:

Bid Name: Window Security Film

Bidder Phone & Facsimile:

Bid Due Date: April 25th, 2025

Bidder Email Address:

Bid Due Time: 11:00 am CST

Vendor hereby agrees to comply with all conditions of this Invitation to Bid and ensuing proposal. Bidder guarantees that the product offered will meet or exceed specifications identified in this proposal.

REQUIRES A MANDATORY VENDOR MEETING ON April 8, 2025 AT 9:00 AM AT THE NANCY O'BRIAN CENTER FOR PERFORMING ARTS, 1801 STUBBEMAN AVE, NORMAN, OK, 73071. FINALISTS MUST ATTEND THE VENDOR MEETING TO SUBMIT A BID RESPONSE.

Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools conducts all bids in accordance with NPS Board of Education approved policy. Contracts for one item/service, or multiples of that item/service in excess of \$100,000 shall be awarded based on the results of a sealed bid. In the event that a construction/improvement project exceeds \$100,000, regulations of the Competitive Bid Act of 1974 will be enforced.

Non-Collusion Affidavit

State of _____

County of _____

_____, of lawful age, being first duly sworn, on oath says that (s)he is the agent authorized by the bidder to submit the attached bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or employee as to quantity, quality, or price in the prospective contract, or any other terms of said prospective contract; or in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract.

Signature of Representative: _____

Subscribed and sworn to before me this _____ day of _____ 20__.

My Commission expires: _____

Notary Public



Terms & Conditions

1. All contracts and agreements are with Independent School District #29 (ISD-29) of Cleveland County, Oklahoma d/b/a Norman Public Schools (hereinafter "NPS" or "the District").
2. Proposals must be submitted in accordance with the terms and conditions contained in this Invitation to Bid/Request for Proposal/Request for Quote (hereinafter "ITB/RFP/RFQ").
3. All ITB/RFP/RFQ/RFQ's submitted are subject to the District's purchasing policies and procedures and the terms and conditions listed herein, which are made a part of this ITB/RFP/RFQ by reference. This ITB/RFP/RFQ, any purchase order or contract, and all related payments will be governed by the laws of the State of Oklahoma and the District's purchasing policies and procedures.
4. Inquiries for information regarding procurement procedures, proposal submission requirements, or other fiscal/administrative concerns shall be directed to the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools (hereinafter "NPS") Director of Purchasing in writing via facsimile or email. These guidelines for communication have been established to ensure a fair and equitable evaluation process for all respondents.
5. **Preparation of Invitation to Bid/Request for Proposal/Request for Quote (hereinafter "bid"):**
 - a. It is the bidder's responsibility to examine the bid to include, but not limited to:
 - b. General Terms and Conditions, Specifications, Amendments, Attachments, Meetings, etc.
 - c. Bidder shall return, sign, and notarize (if applicable) all required forms listed on the cover page.
 - d. Bid shall be typewritten or written in ink. Pencil bids will not be accepted. Erasures or changes shall be initialed by the authorized individual signing this bid.
6. **Bid Submission**

Bid shall be placed in a sealed envelope bearing the proposal number, date & time of bid opening, and bidder's company name and address. Facsimile and telephone bids are unacceptable. Bids received after the stated bid opening date and time shall not be accepted and shall be returned unopened to the vendor. NPS is not responsible for delays in the delivery of mail by the U.S. Postal Service, private couriers, or any other means of delivery. All bids shall be delivered to the NPS Purchasing Department, 131 S. Flood Avenue, Norman, OK 73069.

By submitting this bid, vendor acknowledges and approves the terms and conditions established by the District in this bid. These terms and conditions may not be altered by the vendor, either by the terms of the bid or by any acknowledgement or attachment.
7. **Amendments**

Bidder shall acknowledge receipt of amendment(s) to bids by signing and returning the amendment(s). Amendment acknowledgement(s) may be submitted with the bid reply or may be forwarded separately via mail or facsimile. The amendment(s) shall be received on or before the bid due date and time.
8. **Preparation Costs**

NPS will not be liable for any costs associated with the preparation of materials for offeror's bid submission.
9. **Right to Reject or Accept**

NPS reserves the right to reject any or all bids, accept the bid deemed most advantageous to the school district, and to waive any technicalities. The district is under no obligation to accept any bid.
10. **Solicitation Results**

The Purchasing Department, upon evaluation of solicitation results, and unless all responses are rejected, will issue a Purchase Order if the amount is less than \$50,000.00. If the amount is greater than \$50,000.00, the Director of Purchasing will recommend the award to the Board of Education for approval at a public Board of Education meeting. If approved, the Purchasing Department will subsequently issue the Purchase Order. The Purchasing Department does not routinely notify unsuccessful vendors or mail bid tabulations. Bid results are available upon request.
11. **All or None**

Contracts resulting from this bid may be awarded on an "All or None" basis, or by individual item or grouped items, whichever is deemed to be in the best interest of NPS. Contract awards will be made to the lowest and the best bidder. Contract award decisions are further subject to any additional terms and conditions contained in this bid.
12. **Tie Bids**

In the instance where one or more vendors shall offer materials, supplies, services, or other equipment at an identical "total price," preference shall be given to such vendors in the following order:

 - A. Local
 - B. State
 - C. State Contract Vendors
 - D. Others

In those instances where two or more vendors who are judged to belong in the same classification shall submit identical quotations for the same item, it shall be the administrative responsibility of the Director of Purchasing Services to select that vendor who shall be awarded the purchase contract based upon consideration of each vendor's past performance such as meeting delivery deadlines, product warranties, and meeting specifications. If the past performance of the vendors is equal, then the selection shall be by means of a chance drawing conducted by the Director of Purchasing Services and witnessed by those vendors affected provided they express a desire to be present.
13. **Delivery**

Unless otherwise specified, all items ordered for delivery shall be shipped FOB Destination and delivered to the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools Warehouse located at 4100 North Flood, Norman, OK 73069



Terms & Conditions

14. Employees of business having contract with school conviction of sex offense or felony:

A. No person or business having a contract with a school or school district to perform work on a full-time or part-time basis that would otherwise be performed by school district employees shall allow any employee to work on school premises if such employee is convicted in this state, the United States, or another state of any felony offense unless ten (10) years has elapsed since the date of the criminal conviction or the employee has received a presidential or gubernatorial pardon for the criminal offense.

B. Every person or business performing services not subject to subsection A of this section on the property of a school or school district shall be required to sign a statement declaring that no employee working on school premises under the authority of such business is currently registered under the provisions of the Oklahoma Sex Offenders Registration Act and that the business is not in violation of the provisions of this section. Compliance with this statute shall be required of the person or private business, and there shall be no obligation placed upon a school district to ascertain the truthfulness of the affidavit.

15. Warranty

The Vendor warrants to NPS that all goods and services furnished hereunder will conform in all respects to the terms of this bid, including any drawings, specifications or standards incorporated herein, and/or defects in materials, workmanship and free from such defects in design. In addition, Vendor warrants the goods and services are suitable for and will perform in accordance with the purposes for which they were intended.

16. NPS Vendor Listing

A vendor may be included on the bid list by faxing, mailing, or emailing a completed and signed Vendor Qualification form or Contractor Qualification form. The vendor shall attach the completed commodity list and send to the Director of Purchasing. Vendors having no bid activity within a twelve-month period shall be removed from the list and may only be re-entered by following the appropriate procedures listed above. If a vendor wishes to refrain from a particular bid, the vendor shall return the front page of the packet with the words "No Bid" in order to remain on the active bidders list. A vendor may be removed from the bid list for unsatisfactory performance.

17. Taxes

The Norman Public School District is exempt from Federal and State taxes. A tax exemption certificate will be provided by the Purchasing Department upon request by the vendor.

18. If awarded the contract, the bidder hereby agrees to furnish all materials and labor for the total completion of stated project not to exceed the cost guaranteed by this bid. Furthermore, the project shall be completed in the manner and time specified in the bid/proposal packet.

19. Insurance

A. If any work must be performed on the campus of NPS by the vendor, the vendor shall provide comprehensive broad form liability insurance in at least the amount of \$1,000,000 combined bodily injury and property damage for any and all liability, loss, costs, damage, or expense arising out of the terms and performance of this agreement caused by its operations, its agents, or employees. Workers' Compensation Insurance as prescribed by the laws of the State of Oklahoma must also be carried.

B. Vendor shall provide a certificate or certificates of insurance showing that the prescribed policies are in force and effect and naming NPS as an additional insured. Each certificate shall provide that the insurance company shall not change or cancel any insurance until NPS has been notified in writing at least thirty (30) days before the date of change or cancellation.

C. The vendor will hold NPS harmless, and will assume all responsibility for personal injury and property damage occurring in connection with the project.

20. Competitive Bidding Act of 1974 (Applies to section 20.1 and 20.2 only)

In the event that a construction/improvement project exceeds \$100,000, regulations of the Competitive Bid Act of 1974 will be enforced. It is the responsibility of the Contractor and all the Sub-contractors and suppliers to familiarize themselves with this law and to comply fully with all of its provisions.

20.1 Bond

A. Each Bidder shall submit with proposal a Bidder's Bond if required in the RFP General Information Item 2. Such bond will be payable to the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 South Flood, Norman Oklahoma, in an amount of not less than 5% of the base proposal. There shall be forfeited to the Owner the cost of republication of notice to bidders, all actual expenses incurred by reason of Bidder's default, and the difference between the low bid of the defaulting bidder and the amount of the bid of the bidder to whom the contract is subsequently awarded, but not to exceed the amount of the Bid Bond, in the event that the apparently successful Bidder fails to execute the Contract or fails to provide the required Bonds and Insurance to the Owner.

B. Performance Bonds, Statutory Payment Bonds and Defect Bonds will be required for all Work done under this Contract, and the cost of said Bonds will be included in the Contractor's Proposal. Bonds shall meet the requirements of the Public Competitive Bidding Act of 1974 of the State of Oklahoma, as amended.

C. Within a period of thirty calendar days after the opening of bids, a contract shall be executed between the Owner and the successful bidder and all required bonds and insurance shall be provided within that period.

20.2 Liquidated Damages

The Owner will suffer financial loss if the project is not substantially complete within the time limitation set forth above. The Contractor and his Surety will be liable for and shall pay to the Owner the sum of Two Hundred and Fifty Dollars (\$250) as fixed, agreed and liquidated damages for each calendar day beyond such time limitation that the Work under this Contract is not substantially complete and beneficial occupancy begins. The liquidated damages shall apply to each project site separately.



**General Information
Invitation to Bid # 2025002
Window Security Film**

1. Inquiries

All inquiries concerning this bid shall be received no later than **11:00 am CT on 04/15/2025**. Inquiries must be sent in writing to the Purchasing Director. Contact of any type with any other Norman Public School employee besides the Purchasing Director regarding this (or any) bid is strictly prohibited and punishable by immediate suspension of this bid and possibly future bids.

Send questions via email to:

**Cameron Cox, Director of Purchasing
Norman Public Schools, Independent District I-29
Email: cameronc@normanps.org**

2. Required Forms – Failure to provide the forms checked below shall result in disqualification of bid.

- Signed and Notarized Non Collusion Affidavit
- Signed Pricing Page
- IRS W9 Form – Completed and Signed
- Signed Letter certifying vendor is not on the Government Debarment and Suspension (Excluded Parties List)
- Signed Declaration of Sex Offender Affidavit
- Signed and Notarized Business Relationships Affidavit
- References – Five (5) Business References (Contact, Address, Phone, Fax, Email if available)
- Copy of licenses and/or letter from manufacturer showing vendor as authorized dealer/installer/service provider
- Certificate of Insurance
- Signed and Notarized Contract Affidavit
- Bidders Bond (cashier check, certified check, or surety bond) **ONLY when box is checked, a bid bond must accompany sealed bid regardless of the amount of the bid.**

3. Required forms due when contract is awarded:

- Performance Bond
- Statutory Bond
- Defect Bond

4. Amendments to ITB

In the event it should be necessary to revise any portion of this ITB, an amendment will be issued following the inquiry deadline date and time.

5. Warranty

Vendors must provide a full copy of the written warranty with a sealed bid.

6. Removal of Trash/Debris

The vendor shall be responsible for obtaining a dumpster and the removal of any trash or debris associated with the job assignment.

7. Mandatory Pre-Bid Walk Through – REQUIRED – April 8th, 2025 9:00 AM CT

A pre-bid walk through is required. All vendors are to meet at Nany O’Brian Centert for Performing Arts located at 1801 Stubbeman Ave, Norman, OK 73071. Vendors will be given a fifteen (15) minute grace period to attend. Any vendor not at the designated meeting place within that time frame will not be allowed to participate in the walk through or bid.

8. Repair

Vendors will repair any damage done in the regular course of the project including patching walls, replacing ceiling tiles, etc.

9. Evaluation Criteria-district may evaluate criteria in any order, and may add criteria to achieve best value.

- **Price**
- **Materials**
- **References (MUST ACCOMPANY BID)**
- **Construction Schedule – Completion Date**



**Scope of Work & Specifications
Invitation to Bid # 2025002
Window Security Film**

GENERAL

The purpose of this invitation to bid is to provide and install window security film in specified areas at multiple sites across the district. The security film must be 3M Scotchshield Ultra S800 Safety and Security Window Film with 3M Impact Protection Attachment Sealant (IPA) or an approved substitution that meets the specifications set within the Scope and Specifications section.

All information provided in response to this invitation to bid must be based upon the manufacturer's specifications for installation of the product proposed.

All installations are scheduled to start in June and last into the Fall as needed.

The awarded supplier will not order any materials or incur any costs on behalf of the district before the purchase order has been received. Payment will be issued after the materials have been received, inspected for installation and approved in writing by the official district contact for the project.

Specified Sites:

High School Projects

(Norman, Norman North, & Dimensions)

Middle School Projects

(Alcott, Irving, & Whittier)

Elementary School Projects

(Adams, Cleveland, Jefferson, Kennedy, Lincoln, Madison, & McKinley)

All other Sites

(Administrative Services Center & Instructional Services Center)

The Measurements for all locations are available by request via email to Cameronc@normanps.org. These measurements are an approximation and the winning vendor is required to take their own measurements. Measurements for Norman North High School will be taken during the Mandatory Bid meeting on April 8th, 2025 at the Nancy O'Brian Center for Performing Arts.

SECTION 08 87 16
SAFETY AND SECURITY WINDOW FILM

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Safety and security window film.
- B. Film attachment systems.

1.2 REFERENCES

- A. American Society for Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE):
 - 1. Handbook of Fundamentals.
- B. ASTM International (ASTM):
 - 1. ASTM D882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting.
 - 2. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension.
 - 3. ASTM D1004 - Standard Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting.
 - 4. ASTM D1044 - Standard Method of Test for Resistance of Transparent Plastics to Surface Abrasion (Taber Abrader Test).
 - 5. ASTM D2240 - Standard Method for Rubber Property - Durometer Hardness.
 - 6. ASTM D2582 - Standard Test Method for Puncture-Propagation Tear Resistance of Plastic Film and Thin Sheeting.
 - 7. ASTM D5895 - Standard Test Methods for Evaluating Drying or Curing During Film Formation of Organic Coatings Using Mechanical Recorders.
 - 8. ASTM D4830 - Standard Test Methods for Characterizing Thermoplastic Fabrics Used in Roofing and Waterproofing.
 - 9. ASTM E84 - Standard Method of Test for Surface Burning Characteristics of Building Materials.
 - 10. ASTM E1886 - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.

1.3 PERFORMANCE REQUIREMENTS

- A. Safety Glazing Impact Performance:
 - 1. 400 ft-lbs impact resistance, meeting ANSI Z97.1 (Class A, Unlimited) and 16 CFR 1201 (Category 2) impact requirements with film applied on 1/4 inch annealed glass.
 - 2. Impact Resistance after Aging: 400 ft-lbs, meeting ANSI Z97.1 (Class A, Unlimited) and 16 CFR 1201 (Category 2) impact requirements with film applied on 1/8 inch annealed glass.
- B. Impact Resistance and Pressure Cycling:
 - 1. ASTM E1996 / E1886: Large Missile "C", +/- 75 psf Design Pressure.
- C. Tear Resistance:
 - 1. Minimum Graves Area Tear Strength of 1,200 lbs% as measured on coated film product, without liner, per ASTM D1004.
- D. Adhesion to Glass:
 - 1. Minimum 6 lbs/in peel strength per ASTM D3330 (Method A).
- E. Flammability: Surface burning characteristics when tested in accordance ASTM E 84, demonstrating film applied to glass rated Class A for Interior Use:
 - 1. Flame Spread Index: No greater than 25.
 - 2. Smoke Developed Index: No greater than 55.
- F. Abrasion Resistance:
 - 1. Film shall have a surface coating that is resistant to abrasion such that less than 3% increase of transmitted light haze will result when tested in accordance to ASTM D 1044 using 100 cycles, 500 grams weight, and the CS10F Calibrase Wheel.
- G. UV Light Rejection:
 - 1. Minimum of 99.9% UV light rejection (300 - 380 nm), per ASTM E903, as determined with film applied on 1/4 inch clear glass.

- H. Submit to Owner for approval.
- I. Product Data: Manufacturer's current technical literature on each product to be used, including:
 - 1. Manufacturer's Data Sheets.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Installation methods.
- J. 3rd Party Test Report Submittal Requirements. Submit the following 3rd Party test reports indicating compliance with the test values listed in this section.
 - 1. Flammability Testing, ASTM E84.
 - 2. Film Properties Testing, ASTM D882.
 - 3. Abrasion Resistance Testing, ASTM D1044.
 - 4. Peel Strength Testing, ASTM D3330.
 - 5. Tear Resistance Testing, ASTM D1004.
 - 6. Puncture Strength Testing, ASTM D4830.
 - 7. Safety Glazing Impact Testing, ANSI Z97.1 and/or 16 CFR 1201.
 - 8. Peel Strength Testing, ASTM D3330.
 - 9. Puncture Strength Testing, ASTM D4830.
 - 10. Impact Resistance and Pressure Cycling, ASTMs E1886 and E1996.
- K. Other Product Submittals:
 - 1. 3rd Party test reports from Forced Entry Resistance evaluations.
- L. Verification Samples: For each film specified, two samples representing actual film color and pattern.
- M. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten years experience.
 - 1. Provide documentation that the adhesive used on the specified film is a Pressure Sensitive Adhesive (PSA).
- N. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five years demonstrated experience in installing products of the same type and scope as specified.
 - 1. Provide documentation that the installer is authorized by the Manufacturer to perform Work specified in this section.
 - 2. Provide a commercial building reference list of 5 properties where the installer has applied window film. This list will include the following information:
 - a. Name of building.
 - b. The name and telephone number of a management contact.
 - c. Type of glass.
 - d. Type of film and/or film attachment system.
 - e. Amount of film and/or film attachment system installed.
 - f. Date of completion.
- O. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Follow Manufacturer's instructions for storage and handling.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Store and dispose of any hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities having jurisdiction.

1.5 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 recommended limits.

1.6 WARRANTY

- A. At project closeout, provide to Owner's Representative an executed current copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.
- B. In order to validate warranty, installation must be performed by an Authorized 3M dealer. Verification of Authorized 3M dealer can be confirmed by submission of active 3M dealer code number.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: 3M Commercial Solutions, which is located at: 3M Center Bldg. 220-12-E-04; St. Paul, MN 55144-1000; Toll Free Tel: 888-650-3497; Tel: 651-737-1081; Fax: 651 737 8241
- B. Requests for substitutions will be considered in accordance with Owner's provisions.

2.2 CLEAR MICROLAYERED SAFETY AND SECURITY WINDOW FILM

A. 3M Scotchshield Ultra S800 Safety and Security Window Film. Optically clear microlayered polyester film, nominally 8 mils (0.008 inch) thick, with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive on the other. The film is clear and does not contain dyed polyester. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass. The film is microlayered with both plastic and ductile polyester layers for tear resistance.

1. Product Submittals shall meet the full testing and reporting requirements of ASTM D882, with data reported separately for both film directions, so the balance of film properties can be determined. Tested product construction should be noted; properties of the coated film are most relevant since this is the product form installed in the field. Singularly reported values for film mechanical properties (tensile & break strength, or elongation) do NOT meet reporting requirements of ASTM D882 and are not indicative of the balance of properties.

- a. Film Color: Clear.
- b. Film Thickness (excluding coatings or adhesive liner): Nominal 8 mils.
- c. Tensile Strength (ASTM D882):
- 1) Base Film: 32,000 psi (MD) / 32,000 psi (TD).
 - 2) Coated Film: 32,000 psi (MD) / 32,000 psi (TD).
- d. Break Strength (ASTM D882):
- 1) Base Film: 250 lb/in (MD) / 250 lb/in (TD).
 - 2) Coated Film: 245 lb/in (MD) / 265 lb/in (TD).
- e. Percent Elongation at Break (ASTM D882):
- 1) Base Film: 115% (MD) / 115% (TD).
 - 2) Coated Film: 132% (MD) / 130% (TD).
- f. Yield Strength:
- 1) Base Film: 12,000 psi (MD).
 - 2) Coated Film: 15,000 psi (MD).
- g. Percent Elongation at Yield (ASTM D882):
- 1) Base Film: 7% (MD).
 - 2) Coated Film: 9% (MD).
- h. Graves Tear Resistance (ASTM D1004):
- 1) Maximum Force (lbs):
 - a) Base Film: 40 (MD) / 40 (TD).
 - b) Coated Film: 40 (MD) / 40 (TD).
 - 2) Maximum Extension (in):
 - a) Base Film: 0.45 (MD) / 0.65 (TD).
 - b) Coated Film: 0.50 (MD) / 0.57 (TD).
 - 3) Graves Area Tear Resistance (lbs%):
 - a) Base Film: 1,100 (MD) / 1,300 (TD).
 - b) Coated Film: 1,100 (MD) / 1,300 (TD).
- i. Puncture Propagation Tear Resistance (ASTM D2582):
- 1) Coated Film: 9 lbf (MD) / 10 lbf (TD).
- j. Puncture Strength (ASTM D4830):
- 1) Material Properties (as supplied).
 - 2) Coated Film: 185 lbf.

2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
3. Variation in Total Transmission across the width: Less than 2% over the average at any portion along the length.
4. Identification: Labeled as to Manufacturer as listed in this Section.
5. Solar Performance Properties: Film applied to 1/4 inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 87%.
 - b. Visible Reflection (ASTM E 903): Not more than 10%.
 - c. Ultraviolet Transmission (ASTM E 903): Less than 0.5%.
 - d. Solar Heat Gain Coefficient (ASTM E 903): 0.79
6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category II (400 ft.-lbs).
 - b. Safety Rating (ANSI Z97.1): Class A, Unlimited Size.
7. Impact Resistance and Pressure Cycling: Film shall pass impact of Large Missile "C" and withstand subsequent pressure cycling (per ASTMs E1996 and E1886) at +/- 75 psf Design Pressure with use of 3M Impact Protection Attachment Sealant. Film applied to 1/4-inch tempered glass.
8. Impact Resistance and pressure cycling are performance based tests for Building Envelope Protection. Manufacturer shall provide 3rd party test reports showing the product complies with the impact and pressure cycling requirements of ASTMs E1886 / E1996.

2.3 3M IMPACT PROTECTION FILM ATTACHMENT SYSTEMS

- A. 3M Impact Protection Attachment Sealant (IPA): Weatherable, UV-resistant, moisture curable structural sealant wet glaze.
 1. Color:
 - a. Black.
 2. Material Properties (as supplied):
 - a. Typical Cure Time: 3 - 7 days (25 degrees C, 50% RH).
 - b. Full Adhesion: 7 - 14 days.
 - c. Tack-Free Time (ASTM D 5895): 21 minutes (25 degrees C, 50% RH).
 - d. Flow, Sag or Slump (ASTM D 2202): 0 inches.
 - e. Specific Gravity: 1.4.
 - f. Working Time: 10 - 20 minutes (25 degrees C, 50% RH).
 - g. VOC Content: 16 g / L.
 3. Material Properties (as cured - 21 days at 25 degrees C, 50% RH):
 - a. Ultimate Tensile Strength (ASTM D412): 380 psi (2.62 MPa).
 - b. Ultimate Elongation (ASTM D412): 640 psi.
 - c. Durometer Hardness, Shore A (ASTM D2240): 38-39 points.
 - d. Tear Strength, Die B (ASTM D624): 72 ppi.
 4. Uniformity: Product shall have uniform consistency and appearance, with no clumping.
 5. Impact Resistance and pressure cycling are performance based tests for Building Envelope Protection. Manufacturer shall provide 3rd party test reports showing the product complies with the impact and pressure cycling requirements of ASTMs E1886 / E1996. Contact 3M for specific test details.
 6. Impact Resistance and Pressure Cycling:
 - a. As part of a filmed glass system, film attachment shall demonstrate ability to withstand Medium Large Missile C and Small Missile A impact, with subsequent pressure cycling (per ASTMs E 1996 and E 1886) at +/- 75 psf design pressure.
 - b. As part of a filmed glass system, film attachment shall demonstrate ability withstand structural load requirements of ASTM E330 when tested at +/- 100 psf design pressure.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Film Examination:
 1. If preparation of glass surfaces is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.
 2. Glass surfaces receiving new film should first be examined to verify that they are free from defects and imperfections, which will affect the final appearance.
 3. Do not proceed with installation until glass surfaces have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions.
 4. Commencement of installation constitutes acceptance of conditions.

B. Impact Protection Attachment Sealant Examination:

1. If application of window film is/was the responsibility of another installer, notification in writing shall be made of deviations from manufacturer's recommended installation tolerances and conditions.
2. Filmed glass surfaces receiving new attachment should first be examined to verify that they are free from defects and imperfections, and that the film edges extend sufficiently to the frame edges.
3. Do not proceed with installation until film and frame surfaces have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions.
4. Conduct an adhesion test to the frame surface may be conducted by applying a 4 - 6 inch long bead, approximately 0.5 - 1 inch in width, masking one side of the frame surface underneath the strip with tape. Allow the Impact Protection Attachment Sealant to cure for 7 days and test adhesion by pulling up on the masked end and a 90 degree angle. If cohesive failure is observed (adhesive residue left behind on the frame surface), adhesion is acceptable; if adhesive failure is observed (clean peel from the frame), adhesion is unacceptable and product is not recommended.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Refer to Manufacturer's installation instructions for methods of preparation for Impact Protection Attachment Sealant film attachment systems.

3.3 INSTALLATION

A. Film Installation:

1. Install in accordance with manufacturer's instructions.
2. Cut film edges neatly and square at a uniform distance of 1/8 inch (3 mm) to 1/16 inch (1.5 mm) of window sealant. Use new blade tips after 3 to 4 cuts.
3. Spray the slip solution, composed of one capful of baby shampoo or dishwashing liquid to 1 gallon of water, on window glass and adhesive to facilitate proper positioning of film.
4. Apply film to glass and lightly spray film with slip solution.
5. Squeegee from top to bottom of window. Spray slip solution to film and squeegee a second time.
6. Bump film edge with lint-free towel wrapped around edge of a 5-way tool.
7. Upon completion of film application, allow 30 days for moisture from film installation to dry thoroughly, and to allow film to dry flat with no moisture dimples when viewed under normal viewing conditions.

B. Impact Protection Attachment Sealant Installation:

1. The film attachment system shall be applied according to the specifications of the Manufacturer by an Authorized Dealer/Applicator. Refer to 3M publication, 70-0709-0322-7, 3M Impact Protection Attachment Sealant Attachment System Installation Instructions.
 - a. For blast hazard mitigation: minimum 1/2 inch bead overlap on both frame and film (excluding glazing stops or compression gaskets).
 - b. For impact resistance and building envelope protection: minimum 3/8 inch bead overlap on both frame and film (excluding glazing stops or compression gaskets).
2. To ensure a straight and consistent bead width is achieved, masking tape may be applied to film and frame surfaces prior to application.
3. With prior approval of the building owner or property manager, existing compression gaskets may be partially removed or trimmed to allow for a thinner bead and stronger anchorage. If removing the gaskets, sections shall be trimmed approximately 3 inches in length and inserted with appropriate spacing along all sides of the window to help secure the glazing during application and curing of the Impact Protection Attachment Sealant.
4. The Impact Protection Attachment Sealant shall be dispensed with a caulk gun with nozzle opening diameter sized to match the approximate size of the desired bead width.
5. A plastic putty knife or other tool with a clean straight edge shall be used to trowel and smooth out the adhesive. The completed adhesive bead shall be relatively triangular in shape.
6. Any masking tape used shall be carefully removed within 10 minutes after applying the wet glaze.

3.4 CLEANING AND PROTECTION

- A. Remove left over material and debris from Work area. Use necessary means to protect film before, during, and

after installation.

B. Touch-up, repair or replace damaged products before Substantial Completion.

C. After application of film, wash film using common window cleaning solutions, including ammonia solutions, 30 days after application. Do not use abrasive type cleaning agents and bristle brushes to avoid scratching film. Use synthetic sponges or soft cloths.

END OF SECTION



**Pricing Page
 Invitation to Bid # 2025002
 Window Security Film**

 <hr/> Signature of Authorized Agent	 <hr/> Printed Name of Authorized Agent
Failure to sign this form will disqualify bid.	

Vendor will submit one (1) original and one (1) copy of each response.

1. Total Cost for all High School Projects \$ _____
 (Norman, Norman North, & Dimensions)

2. Total Cost for all Middle School Projects \$ _____
 (Alcott, Irving, & Whittier)

3. Total Cost for all Elementary School Projects \$ _____
 (Adams, Cleveland, Jefferson, Kennedy, Lincoln,
 Madison, & McKinley)

4. Total Cost for all other Sites \$ _____
 (Administrative Services Center &
 Instructional Services Center)

5. TOTAL COST OF PROJECT **\$ _____**

6.. Unit Price for additional 10 square feet of Film \$ _____

7.. Unit Price for additional 10 lineal feet of IPA Sealant \$ _____

Expected Completion Date of All Projects _____

This project is contingent upon the availability of funds.



**Questionnaire
Invitation to Bid # 2025002
Window Security Film**

(Example)

Please submit answers to this questionnaire on your letterhead.

1. Location of Contractor's office (Address)
2. Provide a commercial building reference list of 5 properties where the installer has applied window film. The list will include the following information:
 - (a) Name of building and the building's location.
 - (b) Name, telephone number and/or email addresses of a management contact.
 - (c) Date of completion.

(This affidavit shall accompany the bid)

**Independent School District #29 of Cleveland County, OK
d/b/a Norman Public Schools
Declaration by Vendor Regarding Prohibition
of Sex Offenders on School Premises**

The undersigned, _____, represents that he/she is the owner or an officer of \ _____, who has the authority to make this declaration to the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, as required by Section 6-101.48 of title 70 of the Oklahoma Statutes. I declare that no employee working on school premises during normal working hours under the authority of the above named company or business has been convicted in this State, the United States or another state of any sex offense subject to the Sex Offenders Registration Act or is subject to another state’s or the federal sex offender registration provisions.

I further understand that Title 57, O.S. Supp. 1999, Section 589 provides as follows, to-wit:

It is unlawful for any person registered pursuant to the Oklahoma Sex Offenders Registration Act to work with or provide services to children or to work on school premises, or for any person or business who offers or provides services to children or contracts for work to be performed on school premises to knowingly and willfully allow any employee to work with children or to work on school premises who is registered pursuant to the Oklahoma Sex Offenders Registration Act. Upon conviction for any violation of the provisions of this subsection, the violator shall be guilty of a misdemeanor punishable by a fine not to exceed One Thousand Dollars (\$1,000.00)). In addition, the violator may be liable for civil damages.

I further declare that so long as the undersigned performs work or provides services to the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, that the undersigned will at all times comply with the statutory provisions described herein.

Dated this _____ day of _____.

Vendor Name (type or print) _____

Authorized Representative (type or print) _____

Authorized Representative’s Signature _____

Federal ID # or Social Security Number _____

Return Declaration to: Independent School District #29 of Cleveland County, OK
d/b/a Norman Public Schools
Purchasing Department
131 South Flood
Norman, OK 73069

(This affidavit shall accompany the bid)

Business Relationships Affidavit

State of _____

County of _____

_____, of lawful age, being first duly sworn, on oath says that (s)he is the agent authorized by the bidder to submit the attached bid. Affiant further states that the nature of any partnership, joint venture, or other business relationship presently in effect or which existed within one (1) year prior to the date of this statement with the architect, engineer, or other party to the project is as follows:

Affiant further states that any such business relationship presently in effect or which existed within (1) year prior to the date of this statement between any officer or director of the bidding company and any officer or director of the architectural or engineering firm or other party to the project is as follows:

Affiant further states that the names of all persons having any such business relationships and the positions they hold with their respective companies or firms are as follows:

(If none of the business relationships herein above mentioned exist, Affiant should so state.)

Signature of Representative: _____

Subscribed and sworn to before this _____ day of _____.

Notary Public

My commission expires

(This affidavit shall accompany the bid)

Contract Affidavit

State of _____

COUNTY OF _____

_____, of
lawful age, being first duly sworn, on oath, says that (s)he is the agent authorized by dealer to submit the attached contract to the Board of Education, Norman, Oklahoma. Affiant further states that dealer has not paid, given, nor donated, or agreed to pay, give, or donate to any officer or employee of the Board of Education, Norman, Oklahoma, any money or other thing of value, either directly or indirectly in the procuring of the contract.

Signature

Subscribed and sworn before me this day:

Notary Public

My commission expires _____

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That _____,

as Principal, and _____, a

corporation organized under the laws of the State of _____ and authorized to transact business in the State of Oklahoma, as Surety, are held and firmly bound unto the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 S. Flood, Norman, Oklahoma in the penal sum of

. Dollars (\$ _____)

in lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

The condition of this obligation is such that:

WHEREAS, said principal entered into a written Contract with the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 S. Flood, Norman, Oklahoma, dated:

, 20 _____, for _____

all in compliance with the plans and specifications therefore, made a part of said Contract and on file in the office of the Director of Central Services for Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 425 12th Ave NE, Norman, Oklahoma.

NOW THEREFORE, if said Principal shall, in all particulars, well, truly, and faithfully perform and abide by said Contract and each and every covenant condition, and part thereof and shall fulfill all obligations resting upon said Principal by the terms of said Contract and said specifications; and if said Principal shall protect and save harmless said Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 S. Flood, Norman, Oklahoma from any pecuniary loss resulting from the breach of any of the items, covenants and conditions of said Contract resting upon said Principal, then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said Contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the sureties, or any of them, from the obligations of this Bond.

STATUTORY BOND

KNOW ALL MEN BY THESE PRESENTS:

That _____,

as Principal, and _____, a

corporation organized under the laws of the State of _____ and authorized to transact business in the State of Oklahoma, as Surety, are held and firmly bound unto the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 S. Flood, Norman, Oklahoma in the penal sum of

Dollars (\$ _____)

in lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

The condition of this obligation is such that:

WHEREAS, said principal entered into a written Contract with the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 S. Flood, Norman, Oklahoma, dated:

, 20 _____, for _____

all in compliance with the plans and specifications therefore, made a part of said Contract and on file in the office of the Director of Central Services for Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 425 12th Ave NE, Norman, Oklahoma.

NOW, THEREFORE, if said Principal shall fail or neglect to pay all indebtedness incurred by said Principal or subcontractors of said Principal who perform Work in the performance of such Contract, for labor and materials and repairs to and parts for equipment used and consumed in the performance of said Contract after the same becomes due and payable, the person, firm or corporation entitled thereto may sue and recover on this bond, the amount so due and unpaid.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said Contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the sureties, or any of them, from the obligations of this Bond.

DEFECT BOND

KNOW ALL MEN BY THESE PRESENTS:

That _____,

as Principal, and _____, a

corporation organized under the laws of the State of _____ and authorized to transact business in the State of Oklahoma, as Surety, are held and firmly bound unto the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 S. Flood, Norman, Oklahoma, in the penal sum of

. Dollars (\$ _____)

in lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

The condition of this obligation is such that:

WHEREAS, said principal entered into a written Contract with the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 S. Flood, Norman, Oklahoma, dated:

, 20 _____, for _____

all in compliance with the plans and specifications therefore, made a part of said Contract and on file in the office of the Director of Central Services for Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 425 12th Ave NE, Norman, Oklahoma.

NOW THEREFORE, if said principal shall pay or cause to be paid to the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 S. Flood, Norman, Oklahoma all damage, loss and expense which may result by reason of defective materials and/or workmanship in connection with said Work, occurring within a period of one (1) year from and after the acceptance of said project by the Independent School District #29 of Cleveland County, OK d/b/a Norman Public Schools, 131 S. Flood, Norman, Oklahoma then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said Contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the sureties, or any of them from the obligations of this Bond.