



Request for Quote (RFQ) for Window Replacement at Talawanda City School District
Talawanda Middle School 4030 Oxford Reily Rd., Oxford, OH 45056

REQUEST FOR QUOTE
Talawanda City School District
Window Replacement at TMS

Talawanda City Schools is seeking Bids for the following project:

BID ANNOUNCEMENT: Bids must be received at Talawanda School District Board of Education Office, Attention: Mr Bill Hubbard, Director of Facilities, 131 W. Chestnut St, Oxford, OH 45056. Sealed bids must be received by 10:00 AM on Monday, April 25, 2022. Bid opening will be at 10:30 AM, on Monday, April 25, 2022. The project is as follows:

Replacement of all 52 existing exterior windows at Talawanda Middle School.
(6) one window 30" x 60", (7) double window 60" x 60", (36) three window 90" x 60", (3) four window 120" x 60". Clear anodized, operable windows – one story school.

The Offeror is responsible for ensuring that their bid is received by the deadline indicated. Bids cannot be accepted via facsimile or electronic mail. Late Bids will be returned unopened to the sender. Bids shall be open to public inspection only after award of the contract. Proposals must be signed by an individual authorized to bind the Offeror. All proposals without such signature will be deemed non-responsive and will not be accepted. Offerors may contact Bill Hubbard (513-273-3132) at Talawanda School District to review bid specifications and view locations. The project, if approved, will be scheduled with Talawanda School District to be complete over a school break in the upcoming year (Thanksgiving, Christmas, Spring or Summer Break). The estimated cost of the Project is \$185,000 and will be funded with ESSER Funds. This project will be subject to Ohio Prevailing Wage Rates per Ohio Revised Code, Section 4115.

All packages, envelopes, or correspondence issued in response to the RFQ should clearly state on the exterior: **"TMS Window Replacement" Due 10 AM, April 25, 2022**

Talawanda City Schools reserves the right to reject any and all proposals and to negotiate with any respondent to the RFQ, if deemed to be in the best interest of the school division. Talawanda City Schools is an equal opportunity/affirmative action employer. Awards shall be made to the qualified and responsible Offeror whose bid is responsive to this solicitation. A responsible Offeror is one whose financial, technical, and other resources indicate an ability to perform the services required by this solicitation.

The Offeror or their authorized representatives are expected to fully inform themselves as to the conditions, requirement, and specifications before submitting bids; failure to do so will be at the Offeror's own risk and he/she cannot secure relief on the plea of error.

The Offeror shall provide the Talawanda City School Board Office with a Certificate of Liability Insurance, valid in Ohio, at the time of the contract signing, but no later than the start of the project, and agrees to maintain such insurance until the termination of the contract.

The Offeror is responsible for billing TCS for all approved services during the term of this agreement.

The pre-bid walk through will be held at Talawanda Middle School, 4030 Oxford- Reily Rd, Oxford, OH 45056 on Monday, April 18, 2022, at 10:00 AM.

Any question regarding the RFQ should be addressed to Bill Hubbard, Director of Facilities, by phone at (513)273-3132 or by email at hubbardb@talawanda.org

EQUAL EMPLOYMENT OPPORTUNITY/NONDISCRIMINATION: Talawanda City School Board is an equal opportunity employer, committed to non-discrimination in recruitment, selection, hiring, pay, promotion, retention or other personnel actions affecting employees or candidates for employment. Therefore, discrimination in employment against any person on the basis of race, color, religion, national origin, ancestry, political affiliation, sex, gender, gender identity, age, marital status, genetic information or disability is prohibited as required by Title VI, Title VII, Title IX, Section 504 and ADA regulations. Personnel decisions are based on merit and the ability to perform the essential functions of the job, with or without reasonable accommodation. The Talawanda School District Board provides facilities, programs and activities that are accessible, usable and available to qualified disabled persons.

EMPLOYEE BACKGROUND CHECKS: According to Talawanda City School Board policy, "As a condition of awarding a contract for the provision of services that require the contractor or his employees to have direct contact with students on school property during regular school hours or during school-sponsored activities, the school board requires the contractor to provide certification that all persons who will provide such services have not been convicted of a felony or any offense involving the sexual molestation or physical or sexual abuse or rape of a child."

FEDERAL FUNDS: This project will be paid for utilizing Federal Funds (ESSER) and Offerer will need to provide assurances for the following:

- That all construction contracts using laborers and mechanics financed by Federal education funds, an LEA that uses ESSER funds for minor remodeling, renovation, repair, or construction contracts over \$2,000 will meet all Davis-Bacon prevailing wage requirements and include language in the contracts that all contractors or subcontractors must pay wages that are not less than those established for the locality of the project (prevailing wage rates). (See 20 U.S.C. 1232B Labor Standards.);
- That it has complied or will comply with the requirements for Domestic Preference in construction materials and supplies where applicable (2CFR § 200.322);
- The proposed project will be completed in a reasonable time period and consistent with the approved plans and specifications (34 CFR § 75.606);
- Agrees it will comply with all other applicable federal laws and regulations.

SCOPE OF WORK
MATERIAL SPECIFICATIONS

SECTION 08 51 13 ALUMINUM WINDOWS

1.01 Work Included

- A. Replacement of existing windows at Talawanda Middle School.
- B. Demolition, removal and disposal of existing windows and materials
- C. Interior and Exterior Caulking
- D. Furnish and install aluminum architectural windows complete with hardware and related components as shown on drawings and specified in this section.
- E. All windows shall be EFCO® Series 325X Thermal AW-PG120-C Casement. Other manufacturers requesting approval to bid their product as an equal must submit the following information seven days prior to close of bidding.
 - 1. A sample window, 36" (914 mm) x 24" (610 mm) single unit, as per requirements of architect.
 - 2. Test reports documenting compliance with requirements of Section 1.05.
- F. Glass and Glazing
 - 1. All units shall be factory glazed.
- G. Contractor to verify quantity and window size.

- H. Single Source Requirement
 - 1. All products list in Section 1.02 shall be by the same manufacturer.

1.02 Related Work

1.03 Items Furnished but Not Installed

1.04 Items Installed but Not Furnished

1.05 Laboratory Testing and Performance Requirements

- A. Test Units
 - 1. Air, water, and structural test unit shall conform to requirements set forth in AAMA/WDMA/CSA 101/I.S.2/A440-17 and manufacturer's standard locking/operating hardware and insulated glazing configuration.
 - 2. Thermal test unit sizes shall be 24" (609.6 mm) x 60" (1524 mm). Unit shall consist of a casement vent.
- B. Test Procedures and Performances
 - 1. Windows shall conform to all AAMA/WDMA/CSA 101/I.S.2/A440-17 requirements for the window type referenced in 1.01.B. In addition, the following specific performance requirements shall be met.
 - 2. Life Cycle Testing
 - a. Test in accordance with AAMA 910. There shall be no damage to fasteners, hardware parts, support arms, activating mechanisms, or any other damage that would cause the window to be inoperable. Air infiltration and water resistance tests shall not exceed specified requirements.
 - 3. Air Infiltration Test
 - a. With ventilators closed and locked, test unit in accordance with ASTM E 283 at a static air pressure difference of 6.27 psf (300 Pa).
 - b. Air infiltration shall not exceed .10 cfm/SF (.50 l/s•m²) of unit.
 - 4. Water Resistance Test
 - a. With ventilators closed and locked, test unit in accordance with ASTM E 331/ASTM E 547 at a static air pressure difference of 15.0 psf (720 Pa).
 - b. There shall be no uncontrolled water leakage.
 - 5. Uniform Load Structural Test
 - a. With ventilators closed and locked, test unit in accordance with ASTM E 330 at a static air pressure difference of 180.5 psf (8640 Pa), both positive and negative.
 - b. At conclusion of test there shall be no glass breakage, permanent damage to fasteners, hardware parts, support arms or actuating mechanisms, nor any other damage that would cause the window to be inoperable.
 - 6. Forced Entry Resistance
 - a. Windows shall be tested in accordance to ASTM F 588 and meet the requirements of performance grade 40.
 - 8. Condensation Resistance Test (CRF)
 - a. Test unit in accordance with AAMA 1503.1.
 - b. Condensation Resistance Factor (CRF) shall not be less than 67 (frame) when glazed with .24 center of glass U-Factor. (See chart at end of section).
 - 9. Condensation Resistance (CR)
 - a. With ventilators closed and locked, test unit in accordance with NFRC 500-2010.
 - b. Condensation Resistance (CR) shall not be less than 46 when glazed with .24 center of glass U-Factor. (See chart at end of section).
 - 10. Thermal Transmittance Test (Conductive U-Factor)
 - a. With ventilators closed and locked, test unit in accordance with NFRC 100-2010.
 - b. Conductive thermal transmittance (U-Factor) shall not be more than .46 BTU/hr•ft²•°F when glazed with .24 center of glass U-Factor. (See chart at end of section).

C. Project Wind Loads

1. The system shall be designed to withstand the following loads normal to the plane of the wall:
 - a. Positive pressure of 25 psf at non-corner zones.
 - b. Negative pressure of 32 psf at corner zones.

1.06 Field Testing and Performance Requirements

- A. Windows shall be field tested in accordance with AAMA 502, "Voluntary Specification for Field Testing of Windows and Sliding Glass Doors," using Test Method 1.
 1. Test one additional window or two percent of the window installation, whichever is greater, for air infiltration and water penetration as specified.

1.07 Quality Assurance

- A. Provide test reports from AAMA accredited laboratories certifying the performance as specified in 1.05.
- B. Test reports shall be accompanied by the window manufacturer's letter of certification, stating the tested window meets or exceeds the referenced criteria for the appropriate window type.

1.08 References

1.09 Submittals

- A. Contractor shall submit shop drawings; finish samples, test reports, and warranties.
 1. Samples of materials as may be requested without cost to owner, i.e., metal, glass, fasteners, anchors, frame sections, mullion section, corner section, etc.
- B. An NFRC Component Modeling Approach (CMA) generated label certificate shall be provided by the manufacturer. The label certificate shall be project specific and will contain the thermal performance ratings of the manufacturer's framing combined with the specified glass, and the glass spacer used in the fabrication of the glass, at NFRC standard test size as defined in table 4-3 in NFRC 100-2010.

1.10 Warranties

- A. Total Window Installation
 1. The responsible contractor shall assume full responsibility and warrant for one year the satisfactory performance of the total window installation which includes that of the windows, hardware, glass (including insulated units), glazing, anchorage and setting system, sealing, flashing, etc., as it relates to air, water, and structural adequacy as called for in the specifications and approved shop drawings.
 2. Any deficiencies due to such elements not meeting the specifications shall be corrected by the responsible contractor at their expense during the warranty period.
- B. Window Material and Workmanship
 1. Provide written guarantee against defects in material and workmanship for 5 years from the date of final shipment.
- C. Glass
 1. Provide a written warranty for insulated glass units that they will be free from obstruction of vision as a result of dust or film formation on the internal glass surfaces caused by failure of the hermetic seal due to defects in material and workmanship.
 2. Warranty period shall be for 10 (ten) years.
- D. Finish

PART 2 PRODUCTS

2.01 Materials

- A. Aluminum
 - 1. Extruded aluminum shall be 6063-T6 alloy and tempered.
- B. Hardware
 - 1. Locking handles shall be cam type and manufactured from a white bronze alloy with a US25D brushed finish.
 - 2. Operating Hardware
 - a. Concealed 4-bar stainless steel arms.OR
 - a. Precision machined aluminum 5 knuckle butt hinges with Teflon bushings and stainless steel pins.
- C. Weather-Strip
 - 1. All weather-strip shall be Santoprene® or equal.
- D. Glass
 - 1. Insulated glass shall be 1" thick with a center of glass U-Factor of .24 constructed as follows:
 - a. Exterior lite - .25 thick, clear color, tempered glass, with a surface coating of SB60 on the number 2 surface.
 - b. Air space of 1/2 inch argon filled.
 - c. Interior lite – ¼" thick, clear color, tempered glass.
- E. Thermal Barrier
 - 1. All exterior aluminum shall be separated from interior aluminum by a rigid, structural thermal barrier. For purposes of this specification, a structural thermal barrier is defined as a system that shall transfer shear during bending and, therefore, promote composite action between the exterior and interior extrusions.
 - 2. The thermal barrier shall be thermal struts, consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions.
 - 3. Pour and debridge urethane thermal barriers shall not be permitted.

2.02 Fabrication

- A. General
 - 1. All aluminum frame and vent extrusions shall have a minimum wall thickness of .125" (3 mm).
 - 2. Mechanical fasteners, welded components, and hardware items shall not bridge thermal barriers. Thermal barriers shall align at all frame and vent corners.
 - 3. Depth of frame and vent shall not be less than 3 1/4" (82 mm).
 - 4. All frame and vent members shall be able to accommodate separate interior and exterior finishes and colors.
- B. Frame
 - 1. Frame components shall be mechanically fastened.
- C. Ventilator
 - 1. All vent extrusions shall be tubular.
 - 2. Each corner shall be mitered, reinforced with an extruded corner key, hydraulically crimped, and "cold welded" with epoxy adhesive.
 - 3. Each vent shall utilize two rows of weather stripping installed in specifically designed dovetail grooves in the extrusion. The exterior gasket will be omitted at the vent bottom rail for project-out vents and at the vent top rail for project-in vents, allowing air to pressure equalize the void between the vents and frame.
 - 4. The vent shall present a flush appearance with the exterior and interior of the main frame when in the closed position.

- D. Screens
 - 1. Screen frames shall be extruded.
 - 2. Screen mounting holes in the window frame shall be factory drilled.
 - 3. Screen mesh shall be aluminum or fiberglass.

- E. Glazing
 - 1. All units shall be glazed with the manufacturer's standard sealant process provided the glass is held in place by a removable, extruded aluminum, glazing bead. The glazing bead must be isolated from the glazing material by a gasket.
 - 2. All units shall be glazed with a minimum of 1/2" glass bite.

2.03 Finishes

- 1. Anodic
 - a. Finish all exposed areas of aluminum windows and components with electrolytically-deposited color in accordance with Aluminum Association Designation.
 - b. Finish to be Class I Clear Anodized

PART 3 EXECUTION

3.01 Inspection

- A. Job Conditions
 - 1. Verify that openings are dimensionally within allowable tolerances, plumb, level, clean, provide a solid anchoring surface, and are in accordance with approved shop drawings.
 - 2. Provide for manufacturer representation to conduct pre-installation site meeting.

3.02 Installation

- A. Use only skilled tradesmen with work done in accordance with approved shop drawings and specifications.

- B. Plumb and align window faces in a single plane for each wall plane, and erect windows and materials square and true. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.

- C. Adjust windows for proper operation after installation.

- D. Furnish and apply sealants to provide a weather tight installation at all joints and intersections and at opening perimeters. Wipe off excess material and leave all exposed surfaces and joints clean and smooth.

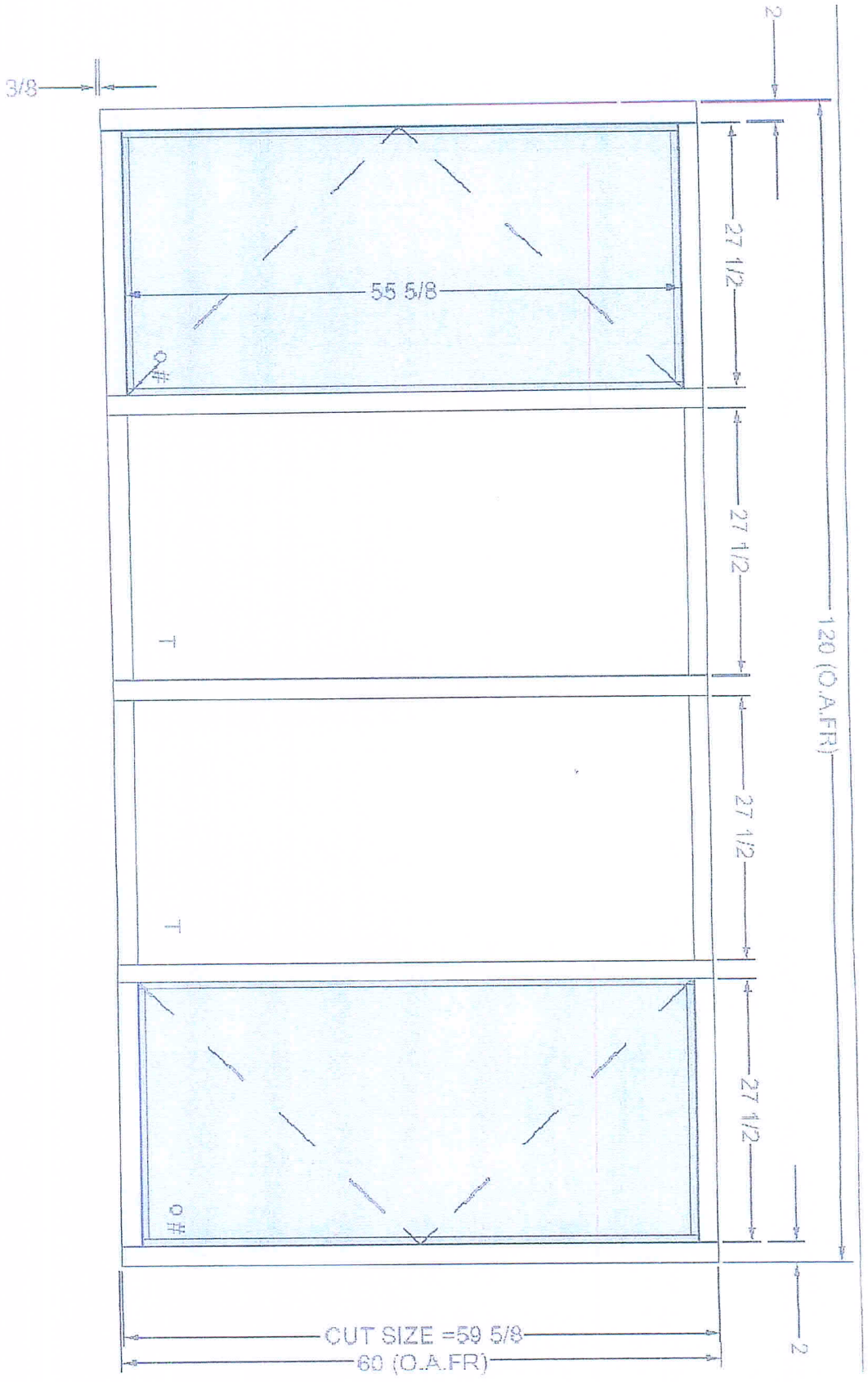
3.03 Anchorage

- A. Adequately anchor to maintain positions permanently when subjected to normal thermal movement, specified building movement, and specified wind loads.
- B. Perimeter receptor system to receive the windows is required.

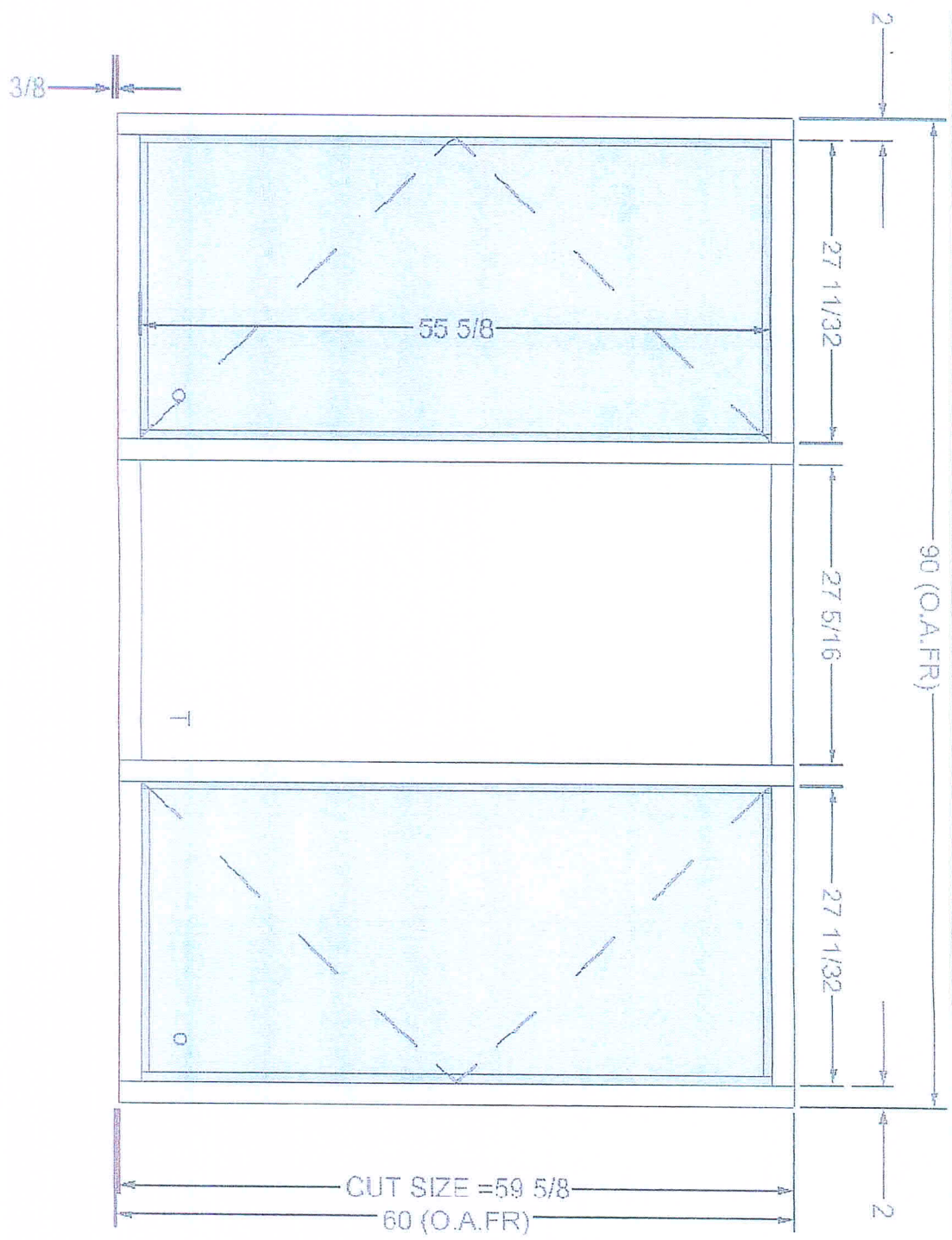
3.04 Protection and Cleaning

- A. After completion of window installation, windows shall be inspected, adjusted, put into working order and left clean, free of labels, dirt, etc. Protection from this point shall be the responsibility of the owner.
- B. A bi-annual sweet water rinse is recommended to prohibit dirt, dust, and debris from accumulation on the surface of the coating and to help maintain the aesthetic of the coating.

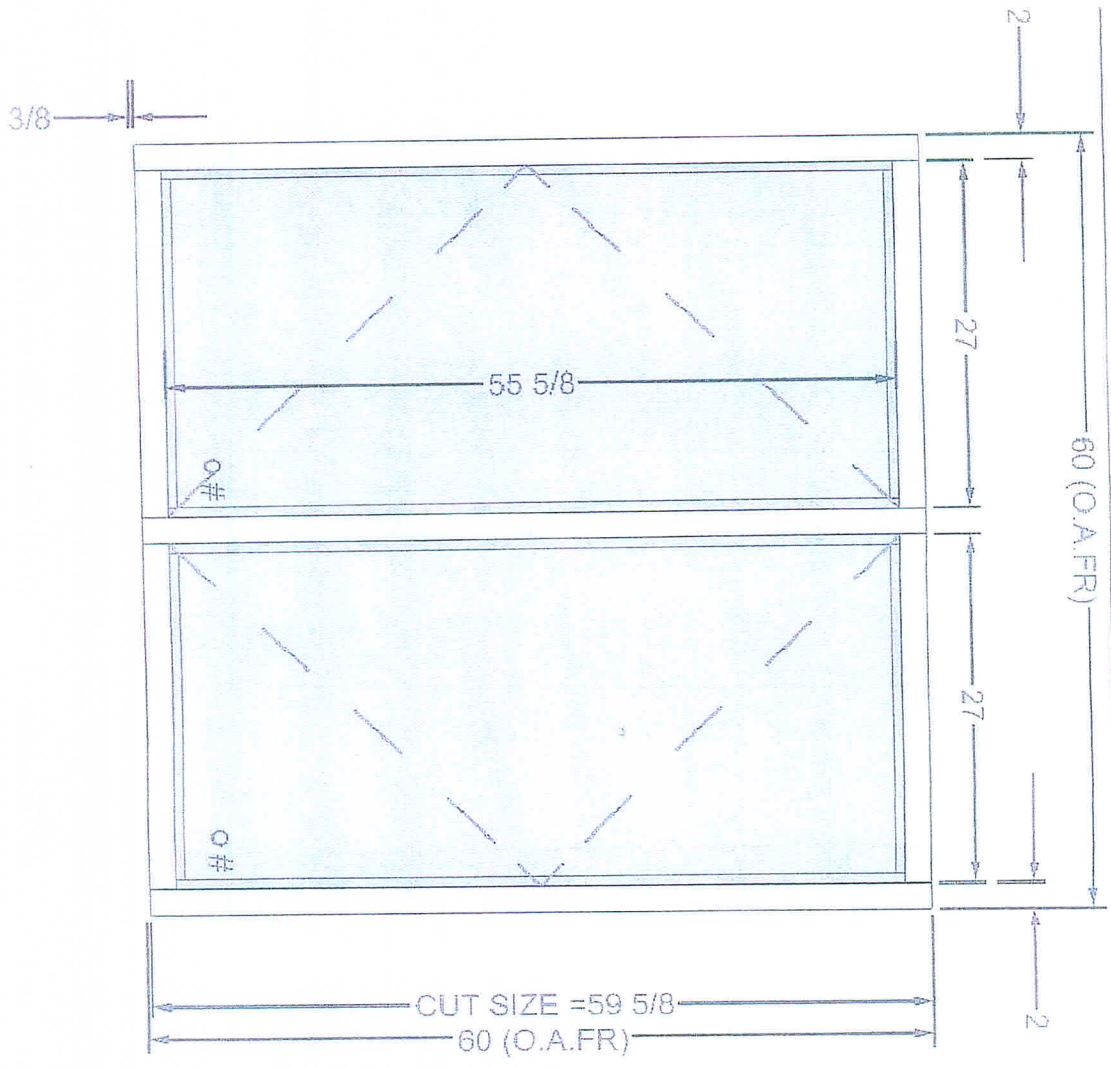
Contractor to verify Quantity and Size of window - Picture for Reference Only



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