

BID ADDENDUM NO. 1

OWNER:

**GREENWICH PUBLIC SCHOOLS
HAVEMEYER BUILDING
290 GREENWICH AVENUE
GREENWICH, CT 06830**

PROJECT:

**GREENWICH HIGH SCHOOL
BUILDING D WINDOW REPLACEMENT AND RELATED ITEMS**

**F&D PROJECT NO. 18325.00
GBOE BID NO. 2236-19**

The attention of Bidders submitting proposals for work on the **GREENWICH HIGH SCHOOL, BUILDING “D” WINDOW REPLACEMENT AND RELATED ITEMS** is called to the following Addendum to the Contract Forms and Specifications.

The items set forth herein, whether of omission, addition, substitution or clarification are to be included in and form a part of the proposal submitted. This Addendum is hereby included in and made a part of the Contract Documents, dated **February 15, 2019**, whether-or-not attached thereto. All requirements of the original project specifications and drawings shall remain in force except as amended by this addendum.

This Addendum contains changes to the requirements of the Contract Documents. Such changes shall be incorporated into the contract Documents and shall apply to the work with the same meaning and force as if they had been included in the original documents. Wherever or any portion of a drawing, the remainder of the paragraph or drawing affected shall remain in force.

The conditions of the Specifications shall govern all work described in this Addendum. Wherever the conditions of work and the quality or quantity of materials or workmanship are not fully described in this Addendum, the conditions of work, etc. described by the Specifications or drawings for similar items of work shall apply to the work described in this Addendum.

DATE: 2/26/19

This Addendum consists of one (1) page and Specification Sections 08 9100 and 12 2940 .

THE FOLLOWING ARE MODIFICATIONS, CLARIFICATIONS, DELETIONS OR ADDITIONS TO THE DRAWINGS:

DRAWINGS: A100, A101, A102, A300, A301 and A700

Disregard all indications of operable windows /window swings indicated on plans, elevations and details. Change to fixed windows.

Change all “W1a” window designations to “W1”, indicated on plans, elevations & window schedule.

Change all “W2a” window designations to “W2”, indicated on plans, elevations & window schedule.

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ARCHITECTS AND PLANNERS

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DRAWING: A301

EXTERIOR ELEVATIONS, Detail #3 EXTERIOR ELEVATION – SOUTH.

(2) “NEW LIGHTS” indicated over loading dock doors.

ADD: SELUX, OURAY 500 SISTEMA, U5-R3-W-AT-5G700-40-B2-UNV-DM-GL

NOTE: CONTRACTOR IS UTILIZE EXISTING CIRCUITS, WIRING AND CONDUIT TO THE EXTENT POSSIBLE AND PROVIDE MATERIALS AS REQUIRED FOR A COMPLETE INSTALLATION, INCLUDING BUT NOT LIMITED TO CAULKING, CONDUIT, WIRING, BACKBOXES, ETC.

DRAWING: A700

DELETE Detail 2 – EMERGENCY ESCAPE AND RESCUE (EEW) WINDOW LABEL

DELETE Detail A – EXTERIOR ELEVATION – TYPICAL EMERGENCY EGRESS WINDOW, including PART PLAN, PART ELEVATION and section.

THE FOLLOWING ARE MODIFICATIONS, CLARIFICATIONS, DELETIONS OR ADDITIONS TO THE SPECIFICATIONS:

SECTION 00 2113-3 Instructions to Bidders:

1.14C - Delete and Substitute with “ Clarifications by Bidders must be in writing not later than noon on February 28th. The reply will be in the form of Addendum, if required, a copy of which will be posted on the Website by March 5th, end of day.”

SECTION 08 9100 - LOUVERS

Delete in its entirety and ADD attached “Louvers” section specification. See attached.

SECTION 12 2940 – ROLLER SHADES

Delete in its entirety and ADD attached “Roller Shades” section specification. See attached.

FOR REFERENCE ONLY

Attached are the Pre-Bid Minutes of Meeting and RFI's.

END OF BID ADDENDUM #1

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ARCHITECTS AND PLANNERS

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BUILDING D WINDOW REPLACEMENT AND RELATED ITEMS
LOUVERS

LOUVERS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Louvers, frames, and accessories.
- B. Foam sealant for filling perimeter of louver space..

1.3 RELATED REQUIREMENTS

- A. Section 04 2000 - Unit Masonry for brick veneer.
- B. Section 05 4000 Cold-Formed Metal Framing: Prepared exterior wall opening.
- C. Section 07 2500 - Weather Barriers: Sealing frames to weather barrier installed on adjacent construction.
- D. Section 07 9200 - Joint Sealants: Sealing joints between frames and adjacent construction.
- E. Section 23 0400 - Sheetmetal Work and Related Accessories: Ductwork attachment to louvers, and blank-off panels

1.4 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2012.
- B. AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels; 2013.
- C. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels; 2013.
- D. AMCA 511 - Certified Ratings Program for Air Control Devices; 2010.
- E. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- F. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.

1.5 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data describing design characteristics, maximum recommended air velocity, design free area, materials and finishes.
- C. Shop Drawings: Indicate louver layout plan and elevations, opening and clearance dimensions, tolerances; head, jamb and sill details; blade configuration, screens, blankout areas required, and frames.
- D. Samples: Submit two samples 2 by 2 inches in size illustrating finish and color of exterior and interior surfaces.
- E. Test Reports: Independent agency reports showing compliance with specified performance criteria.
- F. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products of the type specified in this section, with minimum five (5) years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.
- C. Source Limitations: Obtain louvers and vents through one source from a single manufacturer where indicated to be of same type, design, or factory-applied color finish.

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LOUVERS

- D. Welding: Qualify procedures and personnel according AWS D1.2, "Structural Welding Code--Aluminum."
- E. AMCA Seal: Mark units with AMCA Certified Ratings Seal.

1.7 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide five year manufacturer's warranty against distortion, metal degradation, and connection failures of louver components.
 - 1. Finish: Include twenty year coverage against degradation of exterior finish.

PART 2 PRODUCTS

2.1 MANUFACTURERS

2.2 LOUVERS

- A. Louvers: Factory fabricated and assembled, complete with frame, mullions, and accessories; AMCA Certified in accordance with AMCA 511.
 - 1. Wind Load Resistance: Design to resist positive and negative wind load of 25 psf without damage or permanent deformation.
 - 2. Drainable Blades: Continuous rain stop at front or rear of blade aligned with vertical gutter recessed into both jambs of frame.
 - 3. Screens: Provide insect screens at intake louvers and bird screens at exhaust louvers.
- B. Stationary Louvers: Horizontal blade, extruded aluminum construction.
 - 1. Free Area: 54.2, minimum.
 - 2. Static Pressure Loss: 0.12 inch wg maximum per square foot of free area at velocity of 700 fpm, when tested in accordance with AMCA 500-L.
 - 3. Blades: Drainable.
 - 4. Frame: 2 inches deep, channel profile; corner joints mitered and, with continuous recessed caulking channel each side.
 - 5. Aluminum Thickness: Frame 12 gage, 0.0808 inch minimum; blades 12 gage, 0.0808 inch minimum.
 - 6. Product: Use the following : Airolote K6772 with flange at wall louvers.
 - a. Substitutions: See Section 01 2500 Substitution Procedures.

2.3 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M).

2.4 FINISHES

- A. Superior Performing Organic Coatings: AAMA 2605 multiple coat, thermally cured polyvinylidene fluoride system.
 - 1. Manufacturers:
 - a. PPG Metal Coatings; Duranar: www.ppgmetalcoatings.com/#sle.
 - 2. Polyvinylidene fluoride (PVDF) multi-coat thermoplastic fluoropolymer coating system, including minimum 70 percent PVDF color topcoat and minimum total dry film thickness of 0.9 mil; color and gloss as indicated on drawings.
- B. Color: Is to match new aluminum window finish.

2.5 ACCESSORIES

- A. Blank-Off Panels: Aluminum face and back sheets, polyisocyanurate foam core, 1-1/2 inch thick, painted black on exterior side; provide where duct connected to louver is smaller than louver frame, sealing off louver area outside duct. Coordinated with HVAC Contractor.
- B. Screens: Frame of same material as louver, with reinforced corners; removable, screw attached; installed on inside face of louver frame.

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LOUVERS

- C. Bird Screen: Interwoven wire mesh of steel, 14 gage, 0.0641 inch diameter wire, 1/2 inch open weave, diagonal design.
- D. Insect Screen: 18 x 16 size aluminum mesh.
- E. Window and Door Joint Seal: Polyurethane-based joint filler:
 - 1. UL Classified.
 - 2. Product: "Great Stuff" as manufactured by Dow Chemical.
 - a. "Gaps and Cracks: for joints less than 1".
 - b. "Big Gap Filler" for joint over 1".
 - 3. Use for all filling all spaces and joints around louvers located on exterior walls.
- F. Sealant: Type, as specified in Section 07 9200 - Joint Sealants.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that prepared openings and flashings are ready to receive this work and opening dimensions are as indicated on shop drawings.
- B. Verify that field measurements are as indicated.

3.2 INSTALLATION

- A. Install louver assembly in accordance with manufacturer's instructions.
- B. Coordinate with installation of flashings by others.
- C. Install louvers level and plumb.
- D. Set sill members and sill flashing in continuous bead of sealant.
- E. Align louver assembly to ensure moisture shed from flashings and diversion of moisture to exterior.
- F. Secure louver frames in openings with concealed fasteners.
- G. Fill all exterior spaces and joint between windows and doors solid with foam in accordance with manufacturer's instructions.
 - 1. Cut back to permit application of joint sealant.
- H. Install perimeter sealant and backing rod in accordance with 07 9200 - Joint Sealants.
- I. Coordinate with installation of mechanical ductwork.

3.3 CLEANING

- A. Strip protective finish coverings.
- B. Clean surfaces and components.

END OF SECTION

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ROLLER SHADES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Manual operated bead chain clutch operated roller shades.
- B. Facia.
- C. Accessories.
- D. Provide one roller shade for each new window section.
- E. On Lower floor provide one roller per vertical row of windows.

1.3 RELATED SECTIONS

- A. Section 06 1000 - Rough Carpentry: Wood blocking and grounds for mounting roller shades and accessories.
- B. Section 08 5113 - Aluminum Windows.

1.4 REFERENCES

- A. ASTM G 21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- B. NFPA 70 - National Electrical Code.
- C. NFPA 701 - Fire Tests for Flame-Resistant Textiles and Films.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01 3000 - Administrative Requirements.
- B. Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Styles, material descriptions, dimensions of individual components, profiles, features, finishes and operating instructions.
 - 3. Storage and handling requirements and recommendations.
 - 4. Mounting details and installation methods.
- C. Shop Drawings: Plans, elevations, sections, product details, installation details, operational clearances, wiring diagrams and relationship to adjacent work.
 - 1. Prepare shop drawings on AutoCAD format using base sheets provided electronically by the Architect.
- D. Window Treatment Schedule: For all roller shades. Use same room designations as indicated on the Drawings and include opening sizes and key to typical mounting details.
- E. Selection Samples: For each finish product specified, one set of shade cloth options and aluminum finish color samples representing manufacturer's full range of available colors and patterns.
- F. Maintenance Data: Methods for maintaining roller shades, precautions regarding cleaning materials and methods, instructions for operating hardware and controls.
- G. Maintenance Materials: Furnish the following for Greenwich Public Schools's use in maintenance of project.
 - 1. **Extra Chains: Provide 500 linear feet of #10 qualified stainless steel chain rated to 90 lb.**
 - 2. **Bead Stops: Provide 100 beads stops.**
 - 3. **Chain Connectors: Provide 50 chain connectors.**
- H. See Section 01 6000 - Product Requirements, for additional provisions.

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ROLLER SHADES

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Obtain roller shades through one source from a single manufacturer with a minimum of twenty years experience in manufacturing products comparable to those specified in this section.
- B. Installer Qualifications: Installer trained and certified by the manufacturer with a minimum of ten years experience in installing products comparable to those specified in this section and approved by the manufacturer. .
- C. Fire-Test-Response Characteristics: Passes NFPA 701 small and large-scale vertical burn. Materials tested shall be identical to products proposed for use.
- D. Anti-Microbial Characteristics: 'No Growth' per ASTM G 21 results for fungi ATCC9642, ATCC 9644, ATCC9645.

1.7 MOCK-UP

- A. Provide a mock-up (manual shades only) of one roller shade bay assembly for evaluation of mounting, appearance and accessories.
 - 1. Locate mock-up in window designated by Construction Manager.
 - 2. Do not proceed with remaining work until, mock-up is accepted by Architect.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shades in factory-labeled packages, marked with manufacturer and product name, fire-test-response characteristics, and location of installation using same room designations indicated on Drawings and in the Window Treatment Schedule.

1.9 PROJECT CONDITIONS

- A. Environmental Limitations: Install roller shades after finish work including painting is complete and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

1.10 WARRANTY

- A. Roller Shade Hardware and Chain Warranty: Manufacturer's standard non-depreciating twenty-five year limited warranty.
- B. Standard Shadecloth: Manufacturer's standard twenty-five year warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: MechoShade Systems, Inc., which is located at: 42-03 35th St. ; Long Island City, NY 11101; Tel: 718-729-2020; Fax: 718-729-2941; Email: angela.gratereaux@mechoshade.com <<mailto:angela.gratereaux@mechoshade.com>. Web: www.mechoshade.com
- B. Acceptable Manufacturer: Clutch Flexshade XD Shades as manufactured by Draper, Inc., which is located at: 411 S. Pearl P. O. Box 425 ; Spiceland, IN 47385-0425; Toll Free Tel: 800-238-7999; Tel: 765-987-7999; Email: [requestinfo \(drapercontract@draperinc.com\)](mailto:requestinfo@drapercontract@draperinc.com); Web: www.draperinc.com
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 2500 - Substitution Procedures.

2.2 ROLLER SHADE TYPES

- A. Manual operating, chain drive, sunscreen roller shades shall be provided at all exterior windows of classrooms and spaces shown on the Drawings. Shades are to be reverse roll unless otherwise noted.
- B. Manual Shades
 - 1. Mounting: Surface mounted, to frame with new aluminum angle
 - 2. Product: Mecho/5 bracket with fascia.

2.3 SHADE CLOTH

- A. Solar Shadecloths:
 - 1. Fabric: ThermoVeil 1300, 5 percent open, 2 by 2 dense basket-weave pattern.
 - 2. Color: As selected by the Architect.
 - 3. Visually Transparent Shadecloth: MechoShade Systems, Inc., ThermoVeil series, single thickness non-raveling 0.030-inch (0.762 mm) thick vinyl fabric, woven from 0.018-inch (0.457 mm) diameter extruded vinyl yarn comprising of 21 percent polyester and 79 percent reinforced vinyl.

2.4 SHADE BAND

- A. Shade Bands: Construction of shade band includes the fabric, the hem weight, hem-pocket, shade roller tube, and the attachment of the shade band to the roller tube. Sewn hems and open hem pockets are not acceptable.
 - 1. Hem Pockets and Hem Weights: Fabric hem pocket with RF-welded seams (including welded ends) and concealed hem weights. Hem weights shall be of appropriate size and weight for shade band. Hem weight shall be continuous inside a sealed hem pocket. Hem pocket construction and hem weights shall be similar, for all shades within one room.
 - 2. Shade Band and Shade Roller Attachment:
 - a. Use extruded aluminum shade roller tube of a diameter and wall thickness required to support shade fabric without excessive deflection. Roller tubes less than 1.55 inch (39.37 mm) in diameter for manual shades, and less than 2.55 inches (64.77 mm) for motorized shades are not acceptable.
 - b. Provide for positive mechanical engagement with drive / brake mechanism.
 - c. Provide for positive mechanical attachment of shade band to roller tube; shade band shall be made removable / replaceable with a "snap-on" snap-off" spline mounting, without having to remove shade roller from shade brackets.
 - d. Mounting spline shall not require use of adhesives, adhesive tapes, staples, and/or rivets.
 - e. Any method of attaching shade band to roller tube that requires the use of: adhesive, adhesive tapes, staples, and/or rivets are not acceptable.

2.5 SHADE FABRICATION

- A. Fabricate units to completely fill existing openings from head to sill and jamb-to-jamb, unless specifically indicated otherwise.
- B. Fabricate shadecloth to hang flat without buckling or distortion. Fabricate with heat-sealed trimmed edges to hang straight without curling or raveling. Fabricate unguided shadecloth to roll true and straight without shifting sideways more than 1/8 inch (3.18 mm) in either direction per 8 feet (2438 mm) of shade height due to warp distortion or weave design. Fabricate hem as follows:
- C. Provide battens in standard shades as required to assure proper tracking and uniform rolling of the shadebands. Contractor shall be responsible for assuring the width-to-height (W:H) ratios shall not exceed manufacturer's standards or, in absence of such standards, shall be responsible for establishing appropriate standards to assure proper tracking and rolling of the shadecloth within specified standards. Battens shall be roll-formed stainless steel or tempered steel, as required.
- D. For railroaded shadebands, provide seams in railroaded multi-width shadebands as required to meet size requirements and in accordance with seam alignment as acceptable to Architect. Seams shall be properly located. Furnish battens in place of plain seams when the width, height, or weight of the shade exceeds manufacturer's standards. In absence of such standards, assure proper use of seams or battens as required to, and assure the proper tracking of the railroaded multi-width shadebands.

2.6 COMPONENTS

- A. Access and Material Requirements:
 - 1. Provide shade hardware allowing for the removal of shade roller tube from brackets without removing hardware from opening and without requiring end or center supports to be removed.

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BUILDING D WINDOW REPLACEMENT AND RELATED ITEMS
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2. Provide shade hardware that allows for removal and re-mounting of the shade bands without having to remove the shade tube, drive or operating support brackets.
3. Use only Delrin engineered plastics by DuPont for all plastic components of shade hardware. Styrene based plastics, and /or polyester, or reinforced polyester will not be acceptable.

B. Manual Operated Chain Drive Hardware and Brackets:

1. Provide for universal, regular and offset drive capacity, allowing drive chain to fall at front, rear or non-offset for all shade drive end brackets. Universal offset shall be adjustable for future change.
2. Provide hardware capable for installation of a removable fascia, for both regular and/or reverse roll, which shall be installed without exposed fastening devices of any kind.
3. Provide shade hardware system that allows for removable regular and/or reverse roll fascias to be mounted continuously across two or more shade bands without requiring exposed fasteners of any kind.
4. Provide shade hardware system that allows for operation of multiple shade bands (multi-banded shades) by a single chain operator, subject to manufacturer's design criteria. Connectors shall be offset to assure alignment from the first to the last shade band.
5. Provide shade hardware system that allows multi-banded manually operated shades to be capable of smooth operation when the axis is offset a maximum of 6 degrees on each side of the plane perpendicular to the radial line of the curve, for a 12 degrees total offset.
6. Provide positive mechanical engagement of drive mechanism to shade roller tube. Friction fit connectors for drive mechanism connection to shade roller tube are not acceptable
7. Provide shade hardware constructed of minimum 1/8-inch (3.18 mm) thick plated steel or heavier as required to support 150 percent of the full weight of each shade.
8. Drive Bracket / Brake Assembly:
 - a. MechoShade Drive Bracket model M5 shall be fully integrated with all MechoShade accessories, including, but not limited to: SnapLoc fascia, room darkening side / sill channels, center supports and connectors for multi-banded shades.
 - b. M5 drive sprocket and brake assembly shall rotate and be supported on a welded 3/8 inch (9.525 mm) steel pin.
 - c. The brake shall be an over-running clutch design which disengages to 90 percent during the raising and lowering of a shade. The brake shall withstand a pull force of 50 lbs. (22 kg) in the stopped position.
 - d. The braking mechanism shall be applied to an oil-impregnated hub on to which the brake system is mounted. The oil impregnated hub design includes an articulated brake assembly, which assures a smooth, non-jerky operation in raising and lowering the shades. The assembly shall be permanently lubricated. Products that require externally applied lubrication and or not permanently lubricated are not acceptable.
 - e. The entire M5 assembly shall be fully mounted on the steel support bracket, and fully independent of the shade tube assembly, which may be removed and reinstalled without effecting the roller shade limit adjustments.
 - f. Drive Chain: #10 qualified stainless steel chain rated to 90 lb. (41 kg) minimum breaking strength. Nickel plate chain shall not be accepted.

2.7 ACCESSORIES

A. Fascia:

1. Continuous removable extruded aluminum fascia that attaches to shade mounting brackets without the use of adhesives, magnetic strips, or exposed fasteners.
2. Fascia shall be able to be installed across two or more shade bands in one piece.
3. Fascia shall fully conceal brackets, shade roller and fabric on the tube.
4. Provide bracket / fascia end caps where mounting conditions expose outside of roller shade brackets.

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- 5. Notching of Fascia for manual chain shall not be acceptable.
- B. Bead chain Hold Down Device: WCMA approved.
- C. Rescue Labels: Windows designated on drawings as “EEW” emergency escape and rescue windows shall meet all applicable codes and shall include two (2) conforming label as follows:
 - "RESCUE WINDOW
FOR EMERGENCY USE ONLY"
 - 1. Signs shall be 3" x 5" with bright yellow background with black letter.
 - 2. Rescue labels will be provide by the window installer and shall be placed on the window treatment (roller shade, horizontal blinds etc.) and visible from occupied side when closed. Coordinate with window installer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect or Dan Watson, Director of Facilities of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Remove existing roller shades.
- B. Clean surfaces thoroughly prior to installation.
- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install roller shades level, plumb, square, and true according to manufacturer's written instructions, and located so shade band is not closer than 2 inches (50 mm) to interior face of glass. Allow proper clearances for window operation hardware.
- B. Adjust and balance roller shades to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.
- C. Clean roller shade surfaces after installation, according to manufacturer's written instructions.
- D. Engage Installer to train Owner's maintenance personnel to adjust, operate and maintain roller shade systems.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION



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45 KNOLLWOOD ROAD
TEL: 914.592.4444

ELMSFORD, NEW YORK 10523
FAX: 914.592.1717

REQUEST FOR INFORMATION NO. 1

Date: 2/21/19

Greenwich Public Schools
Greenwich High School
Building D Window Replacement and Related Items

A/E Project Number: 18325.00
Bid # 2236-19

To: Greenwich Public Schools
Mr. Eugene Watts
Email: bid_department@greenwich.k12.ct.us

From: ARROW STEEL WINDOW Tele. No.: 631-756-8661 Fax: 631-756-8622

Subject	Discipline/Trade	Dwg./Spec. Reference
LOUVERS	WINDOWS	DWG A700

QUESTION:

PLEASE PROVIDE A LOUVER SPEC FOR
THE "L-1" LOUVERS THAT ARE TO BE
GLAZED INTO WINDOW FRAMING.

Field Condition
Drawing/Spec
Discrepancy
Owner Change
Clarification
Other

SIGNATURE

SEAN GRAHAM

DATE

2/21/19

FULLER AND D'ANGELO, P.C. RESPONSE

Will respond in Addendum 2/26/19
by Adding Section

SIGNATURE

DATE

CC: Company Name	Contact Name	Copies	Fax Number	Notes

Review and any responses to this request for information by the architect/engineer is strictly for design intent only and does not constitute acknowledgement or acceptance of any cost or schedule implications unless specifically presented by the contractor. By submission of this request for information the contractor assumes all responsibility in the absence of an approved change order or work directive

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ARCHITECTS AND PLANNERS



FULLER AND D'ANGELO P.C.

ARCHITECTS AND PLANNERS

45 KNOLLWOOD ROAD
TEL: 914.592.4444

ELMSFORD, NEW YORK 10523
FAX: 914.592.1717

REQUEST FOR INFORMATION NO. 2

Greenwich Public Schools
Greenwich High School
Building D Window Replacement and Related Items

Date: 2/25/19

A/E Project Number: 18325.00
Bid # 2236-19

To: Greenwich Public Schools
Mr. Eugene Watts
Email: bid_department@greenwich.k12.ct.us

From: Arrow Steel Window Tele. No.: 631-756-8661 Fax: 631-756-8622

Subject	Discipline/Trade	Dwg./Spec. Reference
ROLLER SHADES		

QUESTION:

WORKSCOPE NOTE "WS2" ON A101 CALLS FOR NEW
ROLLERSHADE ASSEMBLY AT ALL WINDOW LOCATIONS.
PLEASE PROVIDE A SPEC FOR ROLLER SHADES

Field Condition
Drawing/Spec
Discrepancy
Owner Change
Clarification
Other

SIGNATURE

Sean Graham

DATE

2/25/19

FULLER AND D'ANGELO, P.C. RESPONSE

Will respond in Addendum 2/26/19
by Adding Section.

SIGNATURE

DATE

CC: Company Name	Contact Name	Copies	Fax Number	Notes

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45 KNOLLWOOD ROAD, STE 401, ELMSFORD, NEW YORK 10523

JOSEPH FULLER JR., AIA
PRESIDENT

JOHN D'ANGELO, ARA, LEED AP
EXECUTIVE VICE PRESIDENT

NICHOLAS A. D'ANGELO, FARA, CSI
PRESIDENT EMERITUS

FEBRUARY 25, 2019

MINUTES OF MEETING – PRE-BID MEETING

DATE: FEBRUARY 25, 2019 3:30 PM
RE: GREENWICH PUBLIC SCHOOLS
GREENWICH HIGH SCHOOL BUILDING D WINDOW REPLACEMENT AND RELATED ITEMS
F&D PROJECT: 18325.00
BOE BID # 2236-19
PRESENT: E. WATTS - GPS PURCHASING DIRECTOR
E. HAAGA - GREENWICH PUBLIC SCHOOLS
J. BAKER - FULLER AND D'ANGELO, PC, ARCHITECTS
J. FULLER - FULLER AND D'ANGELO, PC, ARCHITECTS
CONTRACTORS - VIA GREENWICH PUBLIC SCHOOLS

(SIGN IN MAINTAINED BY GREENWICH PUBLIC SCHOOLS) –ATTACHED

THE FOLLOWING WAS DISCUSSED.

- 1.1 INTRODUCTION:
 - A. J. Fuller AIA, introduced all parties.
 - B. **Bid due date: March 8, 2019 at 2pm. Bid # 2236-19** at the Havemeyer Purchasing Department
290 Greenwich Avenue, Greenwich CT.
 - A. Location of Pre-Bid: Greenwich High School.
 - B. Total Base Bid is to include Base Bid amount, including allowances. Also, Alternates are to be filled in. There are multiple Alternates.
 - C. RFI's on Sheets
- 1.2 SUMMARY OF PROJECT:
 - A. It should be noted that the base bid includes a cash allowance of \$30,000 and various Contingency Allowances including for removal of asbestos caulk (if present) , concrete maintenance, to be filled in and included in the base bid figure.
 - B. Lump sum bid for the base Work scope.
 - C. The architect reviewed the scope of the work, schedules, and related alternate bids.
 - D. Alternates include GC-1 Lower Floor, GC -2 Replacement of Overhead Doors GC-3 Furnish Windows only West Façade, GC-4 Furnish and Install windows West Façade.
- 1.3 BID FORM:
 - A. It was noted that the bid form is within the specifications booklet. Supplements are required.
 - B. It was noted that any out of State contractors need to follow the revised State tax rules and all taxes are to be included in their bids. Contractors must be registered or 5% of contract amount will be withheld.

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- C. Extensive background checks on Greenwich Forms will be required for workers inside the buildings. Badges will need to be worn. Low bidder will be given information by Greenwich Public Schools.
- 1.4 ADDENDA/RFI's:
- A. Bid RFI inquiries should be sent to E. Watts all typed on the form provided, via EMAIL to: Bid_Department@greenwich.k12.ct.us – in the subject line put **Bid and Related number 2236-19**
Attn: E. Watts - no later than noon on February 28, 2019.
 - B. Contractor RFI's should be responded to in an Addendum. This will be posted on the Greenwich Public Schools website by **noon on March 5, 2019**. It is the contractor's responsibility to obtain any Addenda from the site prior to bidding and list on the Bid Form receipt of same.
- 1.5 CONTRACT AWARD:
- A. Contract will be awarded to the lowest responsible bidder based upon the following:
Total Base and any Alternates selected by the Owner.
 - B. The Owner will have the right to reject any bids and disqualify any bidder for reason noted in the bid documents.
 - C. The Owner noted that should all of the required award documentation not be provided to the Town of Greenwich within 2 weeks of being notified as the apparent low bidder, the Owner will have right to go to the next bidder.
- 1.6 BIDDING REQUIREMENTS SECTION: REFER TO SECTION 00 21 13
- A. It was noted that contractors should read carefully the contract documents.
 - B. The apparent low bidder, within 48 hours of receipt of such information, is to forward a list of sub-contractors and a list of suppliers to the Owner for review.
- 1.7 GENERAL CONDITIONS:
- A. Tax Exempt Project. See General Conditions. All forms can be picked up at the Havemeyer Building in the accounting office.
 - B. Bid Bond Required 10% of Bid including alternates.
 - C. Maintenance, Payment and Performance Bond will be required for 100% of the work and alternates selected.
 - D. Have your agent review the insurance requirements before you submit a bid.
 - E. All contractors to include insurance requirements with proper terms and conditions including additionally insured, both the CM and Fuller and D'Angelo, Architects and Planners.
 - F. Contractors must include the Accord and Insurance Certificate in triplicate originals signed by the same person in [blue ink](#).
 - G. No overtime for Saturday and Sunday shall be paid. The contractor is expected to be fully completed with all areas of selected work - by September 1, 2019. Liquidated damages may be assessed for any phase if work is not completed by these dates.
- 1.8 USE OF PREMISE:
- A. Deliveries must be coordinated with the school and GPS. Access through the school is limited.
- 1.9 SUMMARY OF WORK:
- A. Work Scope was reviewed:
 - Start/Finish Dates: Per the Letter of Intent award/Contract.

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- Start: June 26, 2018, or earlier, when site is available.
- Final Completion Work Phase 1 : September 1, 2019
- Final Completion Work Phase 2: October 1, 2019

1.10 CO-ORDINATION:

- A. Responsibility of the GC contractor – all trades for all work taking place by GC.

1.11 PAYMENTS:

- A. Once a month. Refer to Section 01 2000. Submit schedule of values and construction schedule.

1.12 TEMPORARY FACILITIES: REFER TO SECTION 01 5000

- A. Mobile phone on site.
- B. Temporary fence required at dumpsters.
- C. Temporary lights (if required).
- D. Waste containers.
- E. Watertight and secure conditions at all times and every evening.

1.13 NON-DISCRIMINATION:

- A. Make strong effort to hire minority workers and or sub.

1.14 PREVAILING WAGES:

- A. Prevailing Wage Rates are included in the specification book and must be met.

1.15 HAZMAT:

- A. Abatement is perhaps required, Contractor to notify Owner. Allowances within spec.

1.16 QUALITY CONTROL:

- A. QC is the responsibility of the GC and will be monitored by the Construction Managers, Architects and Owners Rep.

1.17 GENERAL DISCUSSION:

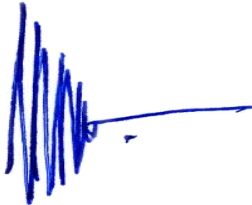
- A. All Contractors must have OSHA ID and training certificates, which is mandatory, as required to be submitted with the initial listing and certified payroll.
- B. The BOE noted that 35% of this project must be completed by contractors own forces, per the spec.
- C. A walkthrough was performed around all of the work scope areas, and the mechanical penthouse.
- D. Should contractors wish to return to the site, they can contact Elisa or Eric Haaga at 203.625.7450 to make further arrangements.
- E. E. Haaga shall confirm that parts of the School (not Building D) will be used for camp therefore contractors should confine all of their storage and operation to the back of the school (South Area) as much as possible.
- F. Clarification of work hours are 7am to 7pm M-F, Saturday 7am to 7pm and Sundays work hours will need to be arranged if possible. Contractors are thought to be working on this time sensitive project at least 6 days a week, but must work as required to finish Phases on time with no additional costs to the Owner. Owner to determine who pays for custodians on Sunday.

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- G. Contractor to supply a schedule of various areas and timelines. A separation partition shall be required.
- H. Attached please find the sign-in sheet for the Pre-Bid Meeting.
- I. The Architects noted Addendum No. 1 will be issued shortly with the Minutes of Meetings. This will be ahead of any further Addenda which will respond to contractor questions.
- J. J Fuller, noted E. Watts wants all contractors to pay their subcontractors on time.
- K. J Fuller, noted E. Watts wants paperwork i.e. contracts, bonds and insurances from the awarded contractor to the district within two weeks, otherwise the District may go to the next bidder.
- L. Rigging and methods of access to be reviewed by the contractors.
- M. Roof is currently under warranty metal to be adjusted carefully if required.
- N. Added spec items , Mecho shades, Clarifications of dates, percentage of workforce, Louvers and lights at overhead doors.
- O. Make sure motor is in synchronized with power for OH doors.
- P. Owner is awaiting Asbestos test results, it may be included in the addendum.

It is assumed that these Minutes are a true summary of the meeting. Any corrections or omissions should be brought to the attention of the writer. If not, they will be considered substantially correct.

Submitted by,

A handwritten signature in blue ink, appearing to read 'Joseph Fuller, Jr.', with a long horizontal stroke extending to the right.

Joseph Fuller, Jr.,

JFF/clb

Cc: E. Gonzalez, GPS
B. Brown, Hygenix
Contractors – Owner to Distribute via Addendum on website

GREENWICH HIGH SCHOOL BUILDING D WINDOW REPLACEMENT AND RELATED ITEMS

Opening Date: 2/25/19

Pre-Bid Meeting

BID NUMBER: 2236-19

Name (Please Print)

Company

Phone Number

MARK DUKIN

HOLZNER CONSTRUCTION

203-335-4204

Name (Please Print)

Company

Phone Number

NAT PICO III

NAC Industries Inc

(203) 262-4598

Name (Please Print)

Company

Phone Number

JOHN BENNARZI

BENNARZI CONSTRUCTION

203 366-8957

Name (Please Print)

Company

Phone Number

EVAN BURELL

WEINER CONSTRUCTION

203-869-1110

Name (Please Print)

Company

Phone Number

MICHAEL JACKSON

THP

203-372-3583

Name (Please Print)

Company

Phone Number

CHRIS GALABO

ARROW STEEL WINDOW

631-756-8661

Name (Please Print)

Company

Phone Number

ANTHONY ESPOSITO

TITAN ENTERPRISES INC

203 395-1692

Name (Please Print)

Company

Phone Number

Name (Please Print)

Company

Phone Number