
**SAN FRANCISCO UNIFIED SCHOOL DISTRICT
2006 PROPOSITION A BOND PROGRAM
LAKESHORE ELEMENTARY SCHOOL
WINDOW REPLACEMENT**

ADDENDUM NO. 1

PROJECT: Window Replacement
Lakeshore Alternative Elementary School **DATE:** December 8, 2015
220 Middlefield Drive, S.F., CA 94132

OWNER: San Francisco Unified School District
135 Van Ness Avenue
San Francisco, CA 94103

Notice is hereby given to all prospective bidders that plans and specifications on the subject project are modified as hereinafter set forth. This Addendum shall be attached to and form a part of the plans and specifications. All bidders must acknowledge receipt of this addendum on the Bid Form. In case of difference with previous addenda or communications, this addendum takes precedence.

It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

GENERAL NOTES

1. Intent of U-Values and Solar Heat Gain Coefficients are for the overall window system, not for each individual section of the windows.

PROJECT MANUAL

1. **Item No. AD1-PM-1**
Reference: 08520 – ALUMINUM STOREFRONT
Description: Remove item 08520 2.3F from the Project Manual.
2. **Item No. AD1-PM-2**
Attachments: 07561 – ROOFING REPAIR
Reference: None
Description: See new attached specification.

DRAWINGS:

1. Item No. AD1-D-1

Attachments: None

Reference: A2.21

Description: In "Glass Types", bronze tint shall be Clear Bronze Tint.

END OF ADDENDUM

SECTION 07561

ROOFING REPAIR

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Provide all labor, equipment, and materials to maintain and protect the existing roof system.

1.02 RELATED SECTIONS

- A. Section 07600- Sheet Metal Flashing and Trim: Sheet metal flashing and trim.

1.03 SYSTEM DESCRIPTION FOR NEW FLASHING

- A. Roofing work including but not limited to:
 - 1. Flashing installation at new penetrations.
 - 2. Install fill insulation where needed, install one base ply and modified cap sheet per detail.
 - 3. All flashings to consist of one ply of base sheet set in mastic covered by an additional layer of modified bitumen membrane.
 - 4. Coat new flashing.

1.04 PERFORMANCE REQUIREMENTS

- A. Make roof watertight.

1.05 SUBMITTALS

- A. See Section 01300 - Submittals, for submittal procedures.
- B. Product Data: Provide manufacturer's data sheets documenting conformance with specified requirements.
- C. Manufacturer's Field Reports: Indicate deviations or deficiencies observed during site visits, record method of resolution.
- D. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
 - 1. Manufacturer will inspect completed work.
- B. Installer Qualifications: Company specializing in performing the work of this section and approved by manufacturer.
 - 1. Installer's Field Supervision: Require Installer to maintain a full-time Supervisor/Foreman on job site during all phases of bituminous sheet roofing work and at any time roofing work is in progress, proper supervision of workmen shall be

maintained. A copy of the specification shall be in the possession of the Supervisor/Foremen and on the roof at all times.

- C. Respond immediately to correction of roof leakage during construction. If the contractor does not respond within 24 hours, the Owner has the right to hire a qualified contractor and backcharge the original contractor.

1.07 PRE-INSTALLATION MEETING

- A. Convene two weeks before starting work of this section. Meet at Project site with Installer, installer of each component of associated work, installers of deck or substrate construction to receive roofing work, installers of rooftop units and other work in the around roofing that must precede or follow roofing work (including mechanical work if any), Architect/Owner, roofing system manufacturer's representative, and other representatives directly concerned with performance of the Work, including (where applicable) Owner's insurers, test agencies, and governing authorities. Objectives to include:
- B. Review preparation and installation procedures and coordinating and scheduling required with related work.
1. Review methods and procedures related to roofing work.
 2. Review structural loading limitations of deck.
 3. Review roofing systems requirements (drawings, specifications, and other contract documents).
 4. Review required submittals, both completed and yet to be completed.
 5. Review and finalize construction schedule related to roofing work and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 6. Review required inspection, testing, certifying, and material usage accounting procedures.
 7. Review weather and forecasted weather conditions and procedures for coping with unfavorable conditions, including provision of temporary roofing over occupied spaces.
 8. Record discussion of conference, including decisions and agreements (or disagreements) reached, and furnish copy of record to each party attending. If substantial disagreements exist at conclusion of conference, determine how disagreements will be resolved and set date for reconvening conference.
 9. Review notification procedures for weather or non-working days.

1.08 DELIVERY, STORAGE, AND PROTECTION

- A. Deliver products to site with seals and labels intact, in manufacturer's original containers, dry and undamaged.
- B. Store and handle roofing materials in a dry, well-ventilated, weather-tight place to ensure no possibility of significant moisture exposure. Store rolls of felt and other sheet materials on pallets or other raised surface. Stand all roll materials on end. Cover roll goods with a canvas tarpaulin or other breathable material (not polyethylene).
- C. Do not leave unused rolled goods on the roof overnight or when roofing work is not in progress unless protected from weather and other moisture sources.
- D. Contractor shall secure all material and equipment on the job site. If material or equipment is stored on the roof, the contractor shall ensure that the integrity of the deck is not compromised at any time. Damage to the deck caused by the contractor will be the sole responsibility of the contractor and will be repaired or replaced at his expense.

1.09 PROJECT CONDITIONS

- A. Coordinate roof repair installation with size, location and installation of roof mounted work.

1.10 ENVIRONMENTAL REQUIREMENTS

- A. Weather Condition Limitations: Do not apply materials during inclement weather or when a 40% chance of precipitation is expected.
- B. Materials shall be stored at room temperature until immediately prior to application when the ambient temperature is 40°F or below. Discontinue the application if the material can not be stored at a temperature which permits even distribution during application.
- C. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed during same day.

1.11 WARRANTY

- A. Correct defective Work within two year period after Date of Substantial Completion.
- B. Provide two year contractor warranty for roof repair.
- C. Provide letter from manufacturer with original warranty number and approval of repair work. All existing roof warranties held by The Garland Company.

PART 2 PRODUCTS

2.01 Materials as Manufactured by The Garland Company, or District approved equal.

- A. Base Ply and Base Flashing Ply: Flexbase 80.
- B. Modified Flashing Ply: Stressply E FR Mineral 135 mil SBS (Styrene-Butadiene-Styrene) mineral surfaced rubber modified roofing membrane reinforced with a dual fiberglass scrim and polyester mat, ASTM D-6162 Type III Grade G.
- C. Asphalt Primer: V.O.C. compliant, ASTM D-41.
- D. Asphalt Roofing Mastic: V.O.C. compliant, ASTM D-2822, Type II. Flashing Bond
- E. Reinforcing Fabric: Fiberglass Mesh
- F. Flood coat adhesive: Weatherscreen.
- G. Gravel: crushed white spar from A1-Grit or approved equal.
- H. Aluminized mastic: Silverflash.
- I. Insulation: ½" wood fiber.
- J. Insulation adhesive: Insul-Lock II urethane foam adhesive.
- K. Title 24 approved coating: Pyramic.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrate surfaces to receive roofing system and associated work and conditions under which roofing will be installed. Do not proceed with roofing until unsatisfactory conditions have been corrected in a manner acceptable to Roof System Manufacturer and Installer.

3.02 FLASHING INSTALLATION

- A. Spud gravel back from edge of cut in existing roof a minimum of 18".
- B. Prepare all penetrations to be flashed and where shown on the drawings, with asphalt primer at the rate of one hundred (100) square feet per gallon. Allow primer to dry tack free.
- C. All plies will be adhered with the following:
 - 1. With mastic. The base flashing and the modified membrane will be used as the flashing and nailed off 8" O.C. at all vertical surfaces.
- D. The entire sheet of the base flashing and the flashing membrane must be solidly adhered to the substrate.
- E. Seal all vertical laps of flashing membrane with a three-course application of Silverflash and fiberglass mesh.
- F. Seal junction of flashing membrane and roof with a three-course application of Silverflash and mesh.
- G. Install all work in accordance with manufacturer's instructions.
- H. Flood and gravel up to the base of the cant.
- I. Coat flashing with Pyramic. 2 coats at 1 gal per sq. per coat.

3.03 ROOF REPAIR

- A. Where blisters exist: X cut blister, adhere to base plies with mastic and install mineral surfaced cap sheet in mastic.

3.04 TITLE 24 ROOF COATING

- A. Power wash roof and remove any growth with TSP and water.
- B. Allow roof to dry and apply coating at 1.5 gallons per sq. per coat, apply 2 coats.

3.05 INTERFACE WITH OTHER WORK

- A. Coordinate with roof accessories, miscellaneous sheet metal accessory items, including piping vents and other devices to be coordinated with the roofing work as specified in other sections to avoid conflict or omission in waterproofing systems and to provide watertight

installation.

3.06 FIELD QUALITY CONTROL

- A. At completion of roofing installation and associated work, meet with Installer, installer of associated work, Owner, roofing system manufacturer's representative, and other representatives directly concerned with performance of roofing system.
- B. Walk roof surface areas of the building, inspect perimeter building edges as well as flashing of roof penetrations, walls, curbs and other equipment. List all items requiring correction or completion and furnish copy of list to each party attending.
- C. The Roofing System Manufacturer reserves the right to request a thermographic scan of the roof during final inspection to determine if any damp or wet materials have been installed. The thermographic scan shall be provided by the Roofing Contractor at a negotiated price.
- D. If core cuts verify the presence of damp or wet materials, the Roofing Contractor shall be required to replace the damaged areas at his own expense.
- E. Repair or replace (as required) deteriorated or defective work found at time above inspection to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- F. The Contractor is to notify the Owner upon completion of corrections.
- G. Following the final inspection, acceptance will be made in writing by the material manufacturer.

3.07 CLEANING AND PROTECTION

- A. Clean roof and surrounding surfaces.
- B. Protect installed work from subsequent construction operations.
- C. Do not permit traffic over unprotected roof surface.

END OF SECTION