

Adams School Redevelopment

Vesper St., Portland, ME

Addendum No. 4 to Contract Documents

April 12, 2012



This Addendum modifies, amends, and supplements designated parts of the Contract Documents, Project Manual, and Drawings for **Adams School Redevelopment** dated March 5, 2012 and is hereby made a part thereof by reference and shall be as though inserted in its entirety in the locations specified herein... It shall be the responsibility of the Contractor to notify all Subcontractors and Suppliers he proposes to use for the various parts of the work of any changes or modifications contained in this Addendum.



Avesta Housing Development Corporation



Architecture ■ Interior Design ■ Planning

49 Dartmouth Street
Portland, Maine 04101
207-775-1059 ■
www.pdtarchs.com

ADAMS SCHOOL REDEVELOPMENT

INDEX

	General Information
PART I	Addendum for Civil Specifications and Drawings
PART II	Addendum for Structural Specifications and Drawings
PART III	Addendum for Architectural Project Manual and Drawings
PART IV	Addendum for Mechanical Specifications and Drawings
PART V	Addendum for Electrical Specifications and Drawings

GENERAL INFORMATION

REMINDER: All bidding questions/requests for clarification must be received by PDT Architects by 5:00 pm on Monday, April 16, 2012 in order to be addressed in the final Addendum prior to the REVISED Bid date of April 24, 2012. Any questions received after this cutoff may not be able to be clarified by Addendum.

PART I Addendum for Civil Specifications and Drawings Drawings

- A. SHEET C-2: Modify as shown on attached SK-1 and SK-2.

PART II Addendum for Structural Specifications and Drawings

- A. Not used.

PART III Addendum for Architectural Project Manual and Drawing Project Manual

A. NOTICE TO CONTRACTORS:

REPLACE with NOTICE TO CONTRACTORS-Addendum 4.

B. BID FORM:

REPLACE with BID FORM-Addendum 4.

C. POLICY STATEMENT #15-CDBG Program Identification Signs:

REPLACE sign graphic with attached sign graphic (*omitted from Addendum 2*). NOTE that this sign is IN ADDITION to the temporary sign specified in 015000/3.3.F.

SECTION 072616-BELOW-GRADE VAPOR RETARDERS

2.2.B: CHANGE:

- 4. Viper Vaporcheck 16 to Viper Vaporcheck II 15-mil.

SECTION 085313-VINYL WINDOWS

2.1.A: ADD:

- 4. Pella Windows and Doors: Series 350 Vinyl Window.

ADAMS SCHOOL REDEVELOPMENT

SECTION 089000 – LOUVERS AND VENTS

ADD the new section: 089000-LOUVERS AND VENTS-ADDENDUM 4

SECTION 108000 – OTHER SPECIALTIES

1.1,A: Add the following paragraph:

“3. Mailboxes:

Part 2: Add the following Article:

“2.3 MAILBOXES

- A. Individual Wall-Mounted Mailboxes: Provide Blomus Signo Wall Mount Locking Mailbox.
 - 1. Constructed of corrosion free 18-8 stainless steel.
 - 2. Size: 16-3/4"H x 16-3/4"W x 4-1/10"D.
 - 3. Provide heavy duty lock and 2 keys and mounting hardware.
 - 4. Addresses: #37 Wilson St., #58 Vesper St., #60 Vesper St., #62 Vesper St., #64 Vesper St., #66 Vesper St., #68 Vesper St., #34 Moody St..

- B. Ganged Mailboxes: Provide Model 3504 Vertical Mailbox by Salsbury Industries or equal.
 - 1. Constructed of aluminum.
 - 2. Compartment Size: 16-1/4"H x 5-1/2"W x 6-3/4"D.
 - 3. Provide heavy duty lock and 2 keys.
 - 4. Addresses: #45 Wilson St.; Units 1,2,3, and 4; #42 Wilson St.; Units 1,2,3, and 4.

2.2: Change to read as follows:

- A. Provide 15 cm high, Blomus Signo Stainless Steel House Numbers.

- B. Provide mounting kit.

PART IV Addendum for Mechanical Specifications and Drawings Specifications

SECTION 230700-INSULATION

230700/3.6: REPLACE with: 230700/3.6-Addendum 4

Drawings

ADAMS SCHOOL REDEVELOPMENT

- A. Drawing M-403, “Solar Domestic Hot Water Heating Piping Diagram” and “Domestic Hot Water Piping Schematic w/ Solar Preheat”; CHANGE the thermal expansion tanks from ASME Code construction to non-ASME Code construction. The sizes shall remain the same as indicated.

PART V Addendum for Electrical Specifications and Drawings

- A. Not used.

END OF ADDENDUM

NOTICE TO CONTRACTORS

Sealed Proposals, in envelopes plainly marked, Proposal For:

ADAMS SCHOOL REDEVELOPMENT

Brief Job Description:

The Work involves the construction of a new housing complex at location indicated on Drawings. Work includes but is not limited, to selective site demolition, earthwork, site utilities and site improvements, paving, and landscaping. Work also includes concrete foundations and slab-on-grade, wood structure, wood trusses and decking, membrane roofing, sheet metal, masonry veneer, wood stud partitions, insulation, gypsum board walls and ceilings, resilient flooring, carpeting, custom cabinets and fixtures, carpentry, painting, fiberglass doors, wood doors, metal frames, door hardware, metal fabrications, toilet accessories, signage, fire alarm systems, security systems, electrical, and heating, and ventilating complete and ready for use.

Addressed to: Seth Parker
Development Officer
Avesta Housing Development Corporation
307 Cumberland Avenue
Portland, Maine 04101

Bids will be opened and read aloud at the Office of Avesta Housing, **3PM, April 24, 2012.**

General Contract Proposals must be accompanied by a satisfactory Bid Bond.

This is a Federally Funded Project for which Federal Wage Rates and other regulations will apply.

The Selected General Contractor will be required to furnish a 100% Contract Performance Bond and a 100% Contract Payment Bond to cover the execution of the Work which shall be in conformity with the Form of Bonds contained in Project Manual and for the Contract Amount.

This project is to be substantially complete by **April 23, 2013**

The procedure for obtaining documents is as follows:

General Bidders and Subcontractors may obtain sets of Drawings and Specification, including instruction to Bidders and Bid Forms. No partial sets will be issued. Each set(s) must be pre-ordered by phoning Xpress Copy (207-775-2444) or by written request. All monies must be in U.S. Dollars, whether in the form of cash or checks. All requests for contract documents must be accompanied by a \$95.00 **refundable deposit** (see condition below) in the form of cash or check made payable to PDT Architects, and **A SEPARATE, ADDITIONAL** non-refundable check of \$100.00 to cover handling for each set. Handling charge checks are to be made payable to Xpress Copy. Additional arrangements for shipments to Canadian addresses must be made directly with Xpress Copy. Deposits must be received by Xpress Copy either by mail or hand delivery prior to release of documents. Documents will be available only at

ADAMS SCHOOL REDEVELOPMENT

Xpress Copy, 100 Fore Street, Portland, Maine 04101 (207-775-2444) after 12:00 noon on March 5, 2012. No other printers are authorized to print or reproduce documents. These documents are copyrighted.

Documents may viewed and ordered in the plan room: www.pdtplanroom.com
Digital downloads will be available for a non-refundable amount of \$50.00.

Copies of Addenda will be mailed, emailed and/or delivered to registered bidders without charge.

The full amount of deposit will be refunded to all Bidders returning Drawings, Specifications and Addenda to Xpress Copy in good condition within ten (10) business days after date of the General Bid opening. This applies to all bidders except the successful general contractor. Refunds will not be given at Xpress Copy; they will be returned by mail from Xpress Copy. Good conditions is defined as Drawings, Specifications, and Addenda bound in original condition and unmarked.

All documents must be returned to Xpress Copy.

The Owner reserves the right to waive all irregularities, and reject any and all Proposals or to accept any Proposal. Proposals shall be submitted upon the Form provided by the Architect.

All telephone calls and correspondence in connection with this Project will be addressed to the office of the Architect, Attention: Dave Lewis, PDT Architects, P.A., 49 Dartmouth Street, Portland, Maine 04101. TEL 207-775-1059 x335, FAX 207-775-2694, E-MAIL lewis@pdtarchs.com.

PRE-BID SITE WALK:

General Contractors are requested to attend a Pre-Bid Conference at 3:00 PM, March 13, 2012, at the office of Avesta Housing. A site walk will be conducted following the Pre-Bid Conference. Other interested subcontractors or suppliers are invited to attend.

The Prequalified General Contractors for the Project are:

Allied Cook Construction – Scarborough, ME

Benchmark – Westbrook, ME

Great Falls Construction – Gorham, ME

Landry / French Construction Company – Scarborough, ME

Zachau Construction – Freeport, ME



EQUAL OPPORTUNITY EMPLOYER

Plans and Specifications may be examined at:

Xpress Copy
100 Fore Street
Portland, Maine 04101

ADAMS SCHOOL REDEVELOPMENT

BID FORM

GENERAL CONSTRUCTION CONTRACT

PROJECT IDENTIFICATION: ADAMS SCHOOL REDEVELOPMENT

BID TO: AVESTA HOUSING DEVELOPMENT CORPORATION

BID FROM: _____ (name)
_____ (address)

1. The undersigned BIDDER agrees, if this Bid is accepted, to enter into an agreement with OWNER, in the form included in the Bidding Documents, to perform and furnish the Work as specified or indicated in the Bidding Documents for the Bid Price and within the Bid Times indicated in the Bid and in accordance with the other terms and conditions of the Contract Documents.

- 2. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:
a. This Bid will remain subject to acceptance for 60 days after the day of Bid opening. Alternates will remain subject to acceptance for 60 days after the day of Bid opening.
b. The Owner has the right to reject this Bid.
c. The Owner has the right to interview the general contractor's superintendent and project manager during the post bid and pre-award period.
d. BIDDER accepts the provisions of the Instructions and Supplementary Instructions to Bidders regarding disposition of Bid Security.
e. BIDDER will sign and submit the Agreement with the Bonds and other documents required by the Bidding Requirements within 15 days after the date of OWNER'S Notice of Award.
f. BIDDER has examined copies of the Bidding Documents.
g. BIDDER has visited the site and become familiar with the general, local and site conditions.
h. BIDDER is familiar with federal, state, and local laws and regulations.
i. BIDDER has correlated the information known to BIDDER, information and observations obtained from visits to the site, reports and drawings identified in the Bidding Documents and additional examination, investigations, explorations, tests, studies and data with the Bidding Documents.
j. This Bid is genuine and not made in the interest of or on behalf of an undisclosed person, firm or corporation and is not submitted in conformity with an agreements or rules of a group, association, organization or corporations; BIDDER has not directly or indirectly induced or solicited another Bidder to submit a false or sham Bid; BIDDER has not solicited or induced a person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself an advantage over another BIDDER or over OWNER.

3. BIDDER has received addenda _____ through _____.

4. BIDDER will complete the Work in accordance with the Contract Documents for the following price:

LUMP-SUM PRICE _____ (\$ _____)

ADAMS SCHOOL REDEVELOPMENT

The above amount includes the Allowances listed in Division 01 Section "Allowances".

5. ALTERNATES:

- Alternate No. 1: Fiber Cement Siding & Aluminum Soffit (\$ _____)(add)
- Alternate No. 2: Fiberglass Windows & Fiber Cement Trim (\$ _____)(add)
- Alternate No. 3: Metal Gutters & Downspouts (\$ _____)(add)
- Alternate No. 4: Solar Domestic Hot Water System (\$ _____)(add)
- Alternate No. 5: Brick Shelf & Brick Veneer (\$ _____)(add)
- Alternate No. 6: Brick at Right-of-Way Sidewalks (\$ _____)(add)
- Alternate No. 7: Brick at On-Site Sidewalks (\$ _____)(add)
- Alternate No. 8: Brick Sidewalk at Park Esplanade (\$ _____)(add)
- Alternate No. 9: Sheet Metal Ice Belts at Roof Eaves (\$ _____)(add)

6. UNIT PRICES: If the required quantities of the items listed below are increased or decreased by Change Order, the adjustment unit prices set forth below shall apply to such increased or decreased quantities.

- 1. Excavation and Removal
Per cubic yard. \$ _____
- 2. Stockpiling, Sorting, and Blending
Per cubic yard. \$ _____
- 3. Excavation Backfill
Per cubic yard. \$ _____
- 4. Surplus Material Disposal
Per cubic yard. \$ _____
- 5. Rock Excavation and Removal (open)
Per cubic yard. \$ _____
- 6. Rock Excavation and Removal (trench)
Per cubic yard. \$ _____
- 7. Granular Borrow Fill for Mixing with Fills
Per cubic yard. \$ _____

ADAMS SCHOOL REDEVELOPMENT

7. BIDDER agrees that the Work will be Substantially Complete and ready for Occupancy in accordance with the General Conditions no later than April 23, 2013 or within _____ CALENDAR DAYS of Notice to Proceed.

8. BIDDER agrees that Liquidated Damages shall be \$1,000 per day after date of Substantial Completion.

SUBMITTED on _____, 2012.

By _____ (SEAL)
(Firm Name)

(Name of Person Authorized to Sign)

Business Address: _____

Phone No.: _____

ADAMS SCHOOL REDEVELOPMENT

COST BREAKDOWN

General Requirements (Div 01)	_____
Existing Conditions (Div 02)	_____
Concrete (Div 03)	_____
Masonry (Div 04)	_____
Metals (Div 05)	_____
Wood, Plastics and Composites (Div 06)	_____
Thermal and Moisture Protection (Div 07)	_____
Openings (Div 08)	_____
Finishes (Div 09)	_____
Specialties (Div 10)	_____
Equipment (Div 11)	_____
Furnishings (Div 12)	_____
Special Construction (Div 13)	_____
Conveying Systems (Div 14)	_____
Fire Suppression (Div 21)	_____
Plumbing (Div 22)	_____
Heating, Ventilation & Air Conditioning (Div 23)	_____
Electrical (Div 26)	_____
Communications (Div 27)	_____
Electronic Safety and Security (Div 01)	_____
Earthwork (Div 31)	_____
Exterior Improvements (Div 32)	_____
321200 Flexible Paving	_____
321600 Curbs	_____
322000 Sidewalks	_____
322116 Welded Wire Fences & Gates	_____
329300 Plants	_____

ADAMS SCHOOL REDEVELOPMENT

Utilities (Div 33)

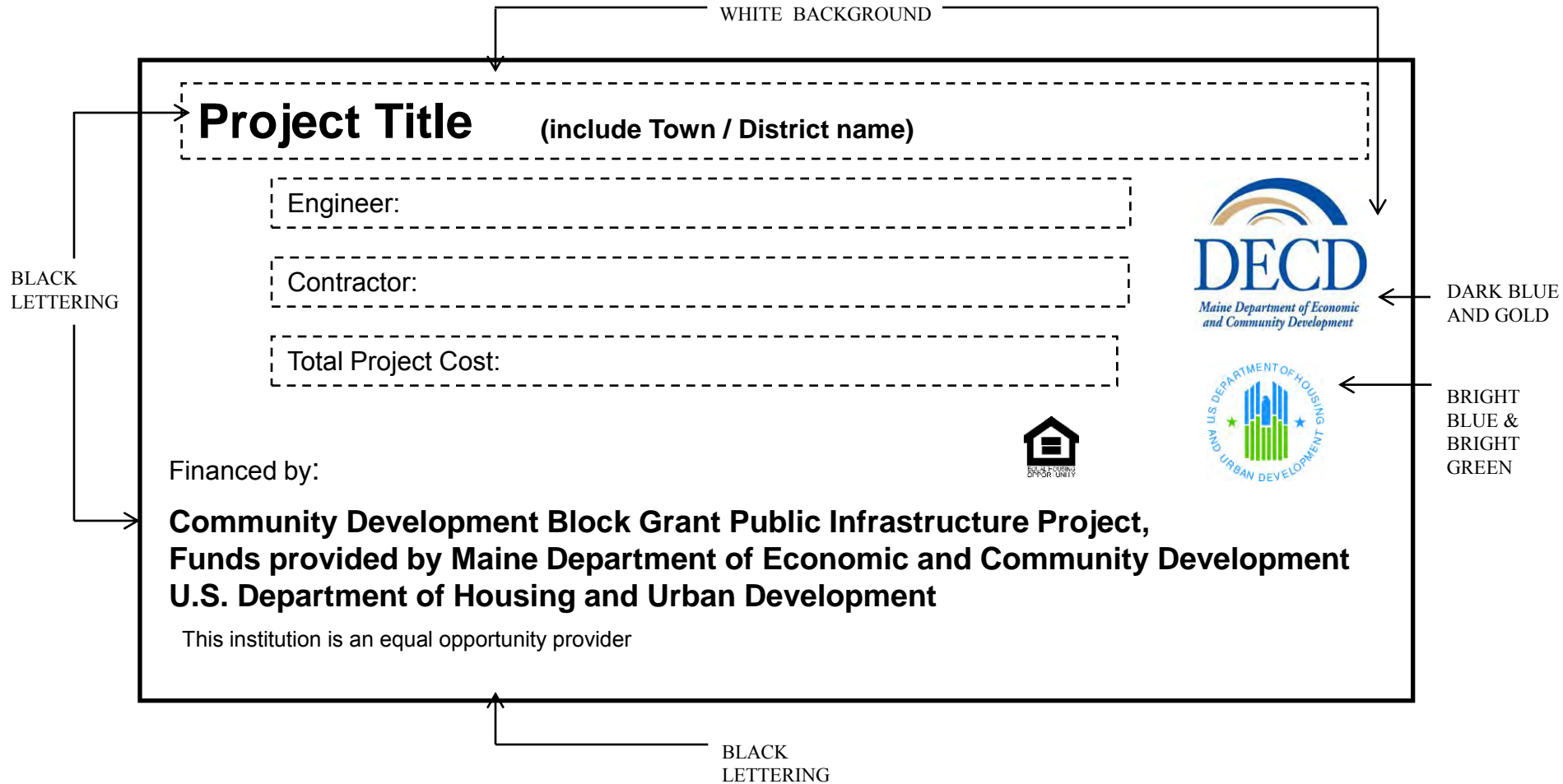
Park Improvements including:

Landscaping

Hardscaping

Playground Equipment

temporary construction sign for CDBG projects



MINIMUM SIGN DIMENSIONS: 1200 x 2400 x 19 MM (4' x 8' x 3/4") EXTERIOR
PLYWOOD (A-B GRADE)
MINIMUM LETTERING SIZE: 5 CM (2-INCHES)

ADAMS SCHOOL REDEVELOPMENT

SECTION 089000 - LOUVERS AND VENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Fixed, extruded-aluminum louvers.

1.3 DEFINITIONS

- A. Louver Terminology: Definitions of terms for metal louvers contained in AMCA 501 apply to this Section unless otherwise defined in this Section or in referenced standards.
- B. Horizontal Louver: Louver with horizontal blades; i.e., the axes of the blades are horizontal.
- C. Vertical Louver: Louver with vertical blades; i.e., the axes of the blades are vertical.
- D. Drainable-Blade Louver: Louver with blades having gutters that collect water and drain it to channels in jambs and mullions, which carry it to bottom of unit and away from opening.
- E. Storm-Resistant Louver: Louver that provides specified wind-driven rain performance, as determined by testing according to AMCA 500-L.

1.4 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Design louvers, including comprehensive engineering analysis by a qualified professional engineer, using structural performance requirements and design criteria indicated.
- B. Structural Performance: Louvers shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated without permanent deformation of louver components, noise or metal fatigue caused by louver blade rattle or flutter, or permanent damage to fasteners and anchors. Wind pressures shall be considered to act normal to the face of the building.
 - 1. Wind Loads: Determine loads based on a uniform pressure of 30 lbf/sq. ft., acting inward or outward.

ADAMS SCHOOL REDEVELOPMENT

- C. Seismic Performance: Louvers, including attachments to other construction, shall withstand the effects of earthquake motions determined according to SEI/ASCE 7.
- D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes, without buckling, opening of joints, overstressing of components, failure of connections, or other detrimental effects.
 - 1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.
- E. Louver Performance Ratings: Provide louvers complying with requirements specified, as demonstrated by testing manufacturer's stock units identical to those provided, except for length and width according to AMCA 500-L.

1.5 SUBMITTALS

- A. Product Data: For each type of product indicated.
 - 1. For louvers specified to bear AMCA seal, include printed catalog pages showing specified models with appropriate AMCA Certified Ratings Seals.
- B. Shop Drawings: For louvers and accessories. Include plans, elevations, sections, details, and attachments to other work. Show frame profiles and blade profiles, angles, and spacing.
 - 1. Show weep paths, gaskets, flashing, sealant, and other means of preventing water intrusion.
 - 2. Show mullion profiles and locations.
- C. Samples for Selection: For units with factory-applied color finishes.
- D. Delegated-Design Submittal: For louvers indicated to comply with structural[**and seismic**] performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
- E. Product Test Reports: Based on evaluation of comprehensive tests performed according to AMCA 500-L by a qualified testing agency or by manufacturer and witnessed by a qualified testing agency, for each type of louver and showing compliance with performance requirements specified.

1.6 QUALITY ASSURANCE

- A. Source Limitations: Obtain louvers and vents from single source from a single manufacturer where indicated to be of same type, design, or factory-applied color finish.
- B. Welding: Qualify procedures and personnel according to the following:
 - 1. AWS D1.2/D1.2M, "Structural Welding Code - Aluminum."
- C. SMACNA Standard: Comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" for fabrication, construction details, and installation procedures.

ADAMS SCHOOL REDEVELOPMENT

1.7 PROJECT CONDITIONS

- A. Field Measurements: Verify actual dimensions of openings by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Aluminum Extrusions: ASTM B 221, Alloy 6063-T5, T-52, or T6.
- B. Aluminum Sheet: ASTM B 209, Alloy 3003 or 5005 with temper as required for forming, or as otherwise recommended by metal producer for required finish.
- C. Aluminum Castings: ASTM B 26/B 26M, Alloy 319.
- D. Fasteners: Use types and sizes to suit unit installation conditions.
 - 1. Use Phillips flat-head screws for exposed fasteners unless otherwise indicated.
 - 2. For fastening aluminum, use aluminum or 300 series stainless-steel fasteners.
 - 3. For color-finished louvers, use fasteners with heads that match color of louvers.

2.2 FABRICATION, GENERAL

- A. Assemble louvers in factory to minimize field splicing and assembly. Disassemble units as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.
- B. Maintain equal louver blade spacing, including separation between blades and frames at head and sill, to produce uniform appearance.
- C. Fabricate frames, including integral sills, to fit in openings of sizes indicated, with allowances made for fabrication and installation tolerances, adjoining material tolerances, and perimeter sealant joints.
 - 1. Frame Type: Channel unless otherwise indicated.
- D. Include supports, anchorages, and accessories required for complete assembly.
- E. Provide vertical mullions of type and at spacings indicated, but not more than recommended by manufacturer, or 72 inches o.c., whichever is less.
 - 1. Exposed Mullions: Where indicated, provide units with exposed mullions of same width and depth as louver frame. Where length of louver exceeds fabrication and handling limitations, provide interlocking split mullions designed to permit expansion and contraction.
- F. Provide subsills made of same material as louvers.

ADAMS SCHOOL REDEVELOPMENT

- G. Join frame members to each other and to fixed louver blades with fillet welds, threaded fasteners, or both, as standard with louver manufacturer unless otherwise indicated or size of louver assembly makes bolted connections between frame members necessary.

2.3 FIXED, EXTRUDED-ALUMINUM LOUVERS

A. Horizontal, Drainable-Blade Louver:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Airolite Company, LLC (The).
 - b. Construction Specialties, Inc.
 - c. Nystrom Building Products.
 - d. Reliable Products, Inc.
 - e. Ruskin Company; Tomkins PLC.
2. Louver Depth: 4 inches.
3. Frame and Blade Nominal Thickness: Not less than 0.080 inch.
4. Mullion Type: Exposed.
5. Louver Performance Ratings:
 - a. Free Area: Not less than 7.0 sq. ft. for 48-inch- wide by 48-inch- high louver.
 - b. Point of Beginning Water Penetration: Not less than 1000 fpm.
 - c. Air Performance: Not more than 0.10-inch wg static pressure drop at 700-fpm free-area intake velocity.
6. AMCA Seal: Mark units with AMCA Certified Ratings Seal.

2.4 LOUVER SCREENS

A. General: Provide screen at each exterior louver.

1. Screen Location for Fixed Louvers: Interior face.
2. Screening Type: Insect screening.

B. Secure screen frames to louver frames with stainless-steel machine screws, spaced a maximum of 6 inches from each corner and at 12 inches o.c.

C. Louver Screen Frames: Fabricate with mitered corners to louver sizes indicated.

1. Metal: Same kind and form of metal as indicated for louver to which screens are attached. Reinforce extruded-aluminum screen frames at corners with clips.
2. Finish: Same finish as louver frames to which louver screens are attached.
3. Type: Rewirable frames with a driven spline or insert.

D. Louver Screening for Aluminum Louvers:

1. Insect Screening: Aluminum, 18-by-16 mesh, 0.012-inch wire.

ADAMS SCHOOL REDEVELOPMENT

2.5 FINISHES, GENERAL

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

2.6 ALUMINUM FINISHES

- A. Finish louvers after assembly.
- B. High-Performance Organic Finish: 2-coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - 1. Color and Gloss: As selected by Architect from manufacturer's full range.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and openings, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Coordinate setting drawings, diagrams, templates, instructions, and directions for installation of anchorages that are to be embedded in concrete or masonry construction. Coordinate delivery of such items to Project site.

3.3 INSTALLATION

- A. Locate and place louvers and vents level, plumb, and at indicated alignment with adjacent work.
- B. Use concealed anchorages where possible. Provide brass or lead washers fitted to screws where required to protect metal surfaces and to make a weathertight connection.
- C. Form closely fitted joints with exposed connections accurately located and secured.
- D. Provide perimeter reveals and openings of uniform width for sealants and joint fillers, as indicated.
- E. Repair finishes damaged by cutting, welding, soldering, and grinding. Restore finishes so no evidence remains of corrective work. Return items that cannot be refinished in the field to the factory, make required alterations, and refinish entire unit or provide new units.

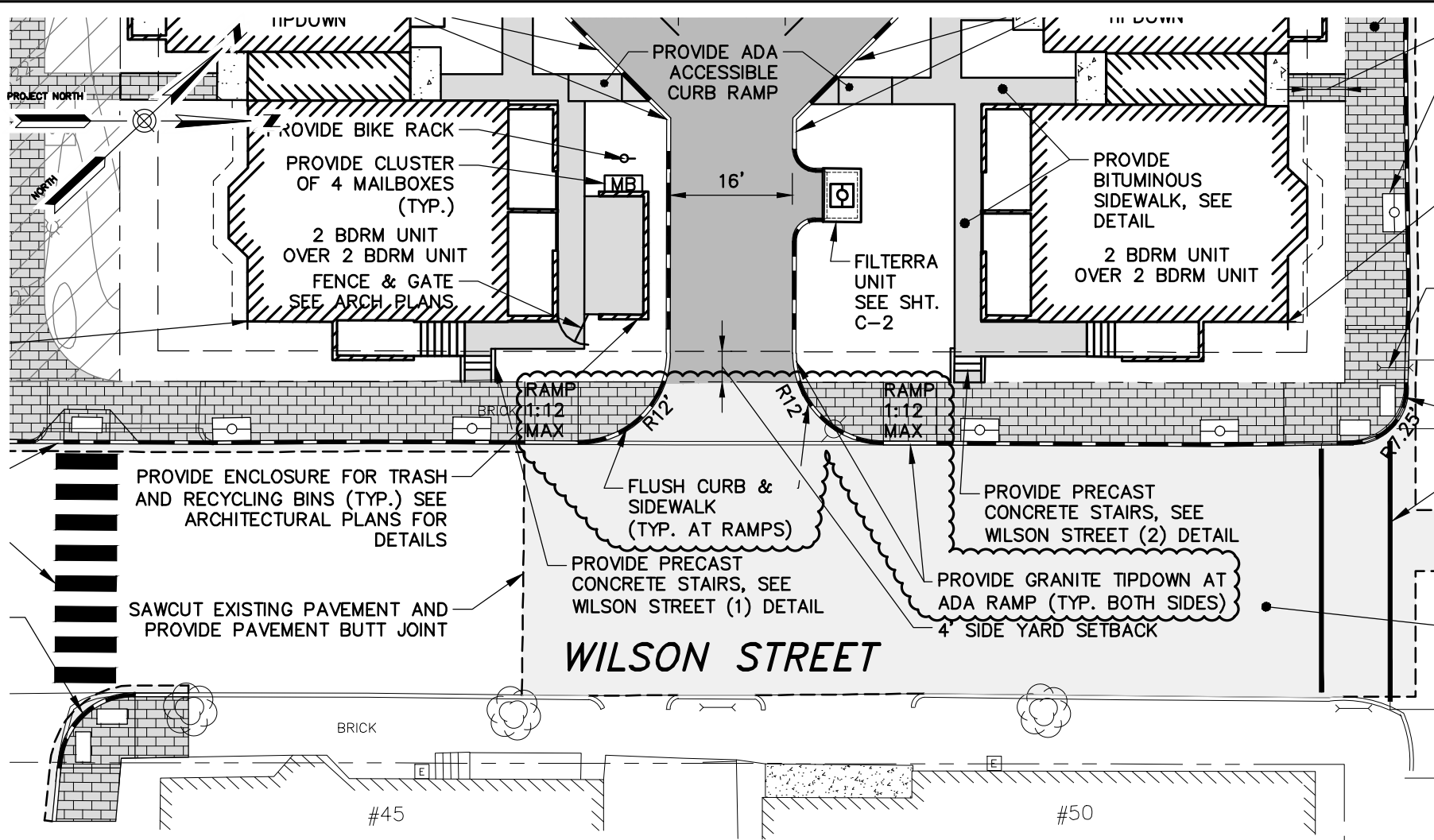
ADAMS SCHOOL REDEVELOPMENT

- F. Protect unpainted galvanized and nonferrous-metal surfaces that will be in contact with concrete, masonry, or dissimilar metals from corrosion and galvanic action by applying a heavy coating of bituminous paint or by separating surfaces with waterproof gaskets or nonmetallic flashing.
- G. Install concealed gaskets, flashings, joint fillers, and insulation as louver installation progresses, where weathertight louver joints are required. Comply with Division 07 Section "Joint Sealants" for sealants applied during louver installation.

3.4 ADJUSTING AND CLEANING

- A. Test operation of adjustable louvers and adjust as needed to produce fully functioning units that comply with requirements.
- B. Clean exposed surfaces of louvers and vents that are not protected by temporary covering, to remove fingerprints and soil during construction period. Do not let soil accumulate during construction period.
- C. Before final inspection, clean exposed surfaces with water and a mild soap or detergent not harmful to finishes. Thoroughly rinse surfaces and dry.
- D. Restore louvers and vents damaged during installation and construction so no evidence remains of corrective work. If results of restoration are unsuccessful, as determined by Architect, remove damaged units and replace with new units.
 - 1. Touch up minor abrasions in finishes with air-dried coating that matches color and gloss of, and is compatible with, factory-applied finish coating.

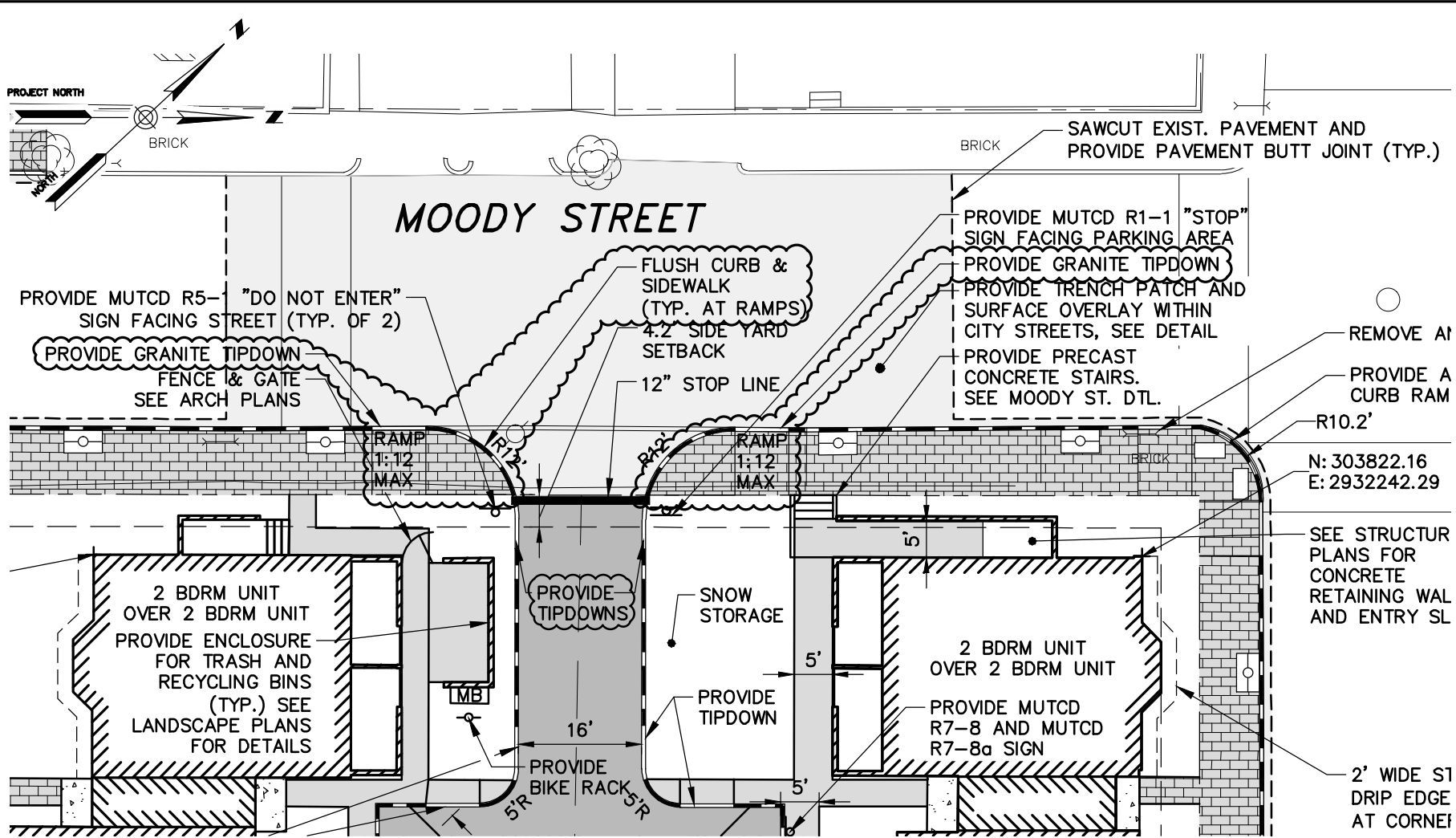
END OF SECTION 089000



BAR SCALE
1" = 20'

CHECK GRAPHIC SCALE BEFORE USING

JOB NO: 219804 DATE: APRIL 2012 SCALE: 1"=20'	SK-1
PDT ARCHITECTS 49 DARTMOUTH STREET PORTLAND, ME 04101	AVESTA - ADAMS SCHOOL SITE REDEVELOPMENT PORTLAND, MAINE
MOODY STREET DRIVEWAY ENTRANCE MODIFICATIONS	DESIGNED BY: LUS DRAWN BY: BCM
41 Hutchins Drive Portland, Maine 04102 800.426.4262 www.woodardcurran.com	CHECKED BY: DLG 219804-C200A-CITY.DWG
COMMITMENT & INTEGRITY DRIVE RESULTS	



BAR SCALE

1" = 20'

CHECK GRAPHIC SCALE BEFORE USING

JOB NO: 219804 DATE: APRIL 2012 SCALE: 1"=20'	SK-2
PDT ARCHITECTS 49 DARTMOUTH STREET PORTLAND, ME 04101	AVESTA - ADAMS SCHOOL SITE REDEVELOPMENT PORTLAND, MAINE
MOODY STREET DRIVEWAY ENTRANCE MODIFICATIONS	DESIGNED BY: LUS DRAWN BY: BCM
41 Hutchins Drive Portland, Maine 04102 800.428.4262 www.woodardcurran.com	CHECKED BY: DLG 219804-C200A-CITY.DWG COMMITMENT & INTEGRITY DRIVE RESULTS

Specification Section 230700, Paragraph 3.6 REVISE as follows:

3.6 INSULATION APPLICATION SCHEDULE **ADDENDUM 4**

<u>SERVICE</u>	<u>THICKNESS</u>	<u>MATERIAL/JACKET</u>
<u>PIPING:</u>		
Domestic Cold Water Piping Unicellular	1/2"	Fiberglass w/ASJ or Flexible
Domestic Hot Water Piping Unicellular and Domestic Hot Water Recirculation Piping	1"	Fiberglass w/ASJ or Flexible
Water and Drain Piping Under Handicap Accessible Fixtures		Insulation Kit
Hot Water Heating Supply and Return Piping	1-1/2"	Fiberglass w/ASJ
Hot Water Heating Supply and Return Branch Piping Less than 10 ft in Stud Walls	1-1/2"	Fiberglass w/ASJ
PEX Tubing and CPVC for domestic water	1/2"	Flexible Unicellular
PEX Tubing for heating water	1-1/2"	Flexible Unicellular
Condensate Drain Piping	1/2"	Flexible Unicellular
Horizontal and Vertical Rain Leaders and Roof Drain Sump Bodies and Pans	1/2"	Flexible Unicellular
<u>DUCTWORK:</u>		
Exhaust/Intake Ductwork from of the motorized control damper or backdraft damper to the exterior wall, roof, or louver.	3"	Ductwrap, FSK
<u>EQUIPMENT:</u>		
Water Meter	1/2"	Flexible Unicellular
Backflow Preventer	1/2"	Flexible Unicellular
Flexible Connectors, Valves, etc.	1/2"	Flexible Unicellular