

THE SCHOOL DISTRICT OF PHILADELPHIA  
SCHOOL REFORM COMMISSION  
Office of Capital Programs  
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**Addendum No. 2**

Subject: BLANKENBURG ELEMENTARY SCHOOL  
NEW CAFETERIA AND KITCHEN  
SDP CONTRACT NOS. B-060 C, B-061, B-062, B-063 C OF 2020/21

Location: BLANKENBURG ELEMENTARY SCHOOL  
4600 W. GIRARD AVENUE,  
PHILADELPHIA, PA 19131

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This Addendum, ***dated 1st of March, 2021***, shall modify and become part of the Contract Documents for the work of this project. Any items not mentioned herein, or affected by, shall be performed strictly in accordance with the original documents.

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1. Specifications Issued:

- a. Specification section 08 3326 Overhead Coiling Grilles.

2. Questions and Clarifications:

**A. REVISED ANSWER to Question #5 from Mulhern Electric:**

5. Spec section 260572 Overcurrent Protective Device Short-Circuit Study has been provided. Please confirm we are only to provide a study for new panelboard feeds PP-CAFÉ and PP-K. If we are to provide a full system short circuit study, please provide a full building single line diagram so that we can quantify the number of points in the system.
  - a. Short circuit study not required and as such disregard Spec section 260572 Overcurrent Protective Device Short-Circuit Study. Furnish and Install two new panels PP-CAFÉ AND PP-K rated at 22KA minimum as indicated in the bid documents.

**B. Questions from TE Construction:**

1. Hardware Sets do not match between Specification and Drawings.
  - a. Refer to Drawings for required hardware sets.
2. There is not a specification for the Rolling Grille, Plaster Patching and Concrete.
  - a. See attached Specification section 08 3326 Over Coiling Grilles.
3. There is not a detail on the Condenser Pad and who is to include in scope.
  - a. GC is responsible for concrete pad.
4. Fence for condenser pad on Drawings shows Chain Link Fence no specification.

- a. Fence shall be metal picket fence. Refer to specifications.
5. There is a Aluminum Picket Fence specification where is this to be used.
  - a. Fence at condenser unit pad shall be metal picket fence.
6. After removal of the Cafeteria Modular, will there be replacement of site paving.
  - a. Yes.
7. The Drawings show a metal corner guard on Café columns, there is not a specification.
  - a. Corner guards shall be 14ga. brushed stainless steel. Refer to Specification section 05 5000 Metal Fabrications. Part 1.2.A shall include Stainless Steel Cornerguards.
8. There is a Louver specification, there is no louver shown on the plans.
  - a. Refer to plans on Drawing M101 for louver locations.
9. The Finish Schedule does not match the Specifications for Acoustical Ceiling Material.
  - a. Revise Specification section 095113.3.6 to read "Linear Acoustic Panels – LAB-1". Ceiling Finishes schedule on Drawing A200: Replace ACT-1 with ACP-2, as described in Specification section 095113.3.7.
10. Toilet Accs. Specifications schedule does not match the drawing schedule and quantities.
  - a. Refer to Drawing for correct Basis of Design specification and count.

END OF ADDENDUM NO. 2 NARRATIVE.  
REFERENCED SPECIFICATION, DRAWINGS, AND SKETCHES FOLLOW.

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SECTION 083326 - OVERHEAD COILING GRILLES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Open-curtain overhead coiling grilles.

B. Related Sections:

1. Division 05 Section "Metal Fabrications" for miscellaneous steel supports.

1.2 PERFORMANCE REQUIREMENTS

A. Delegated Design: Design overhead coiling grilles, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.

B. Seismic Performance: Overhead coiling grilles shall withstand the effects of earthquake motions determined according to SEI/ASCE 7.

1. Seismic Component Importance Factor: 1.0.

C. Operation Cycles: Provide overhead coiling grille components and operators capable of operating for not less than number of cycles indicated for each grille. One operation cycle is complete when a grille is opened from the closed position to the fully open position and returned to the closed position.

1.3 ACTION SUBMITTALS

A. Product Data: For each type and size of overhead coiling grille and accessory. Include the following:

1. Construction details, material descriptions, dimensions of individual components, profiles for curtain components, and finishes.
2. Rated capacities, operating characteristics, electrical characteristics, and furnished accessories.

B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data. Include plans, elevations, sections, details, and attachments to other work.

1. Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.

C. Samples for Initial Selection: Manufacturer's finish charts showing full range of colors and textures available for units with factory-applied finishes.

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1. Include similar Samples of accessories involving color selection.
- D. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below.
1. Revise subparagraphs below to suit Project; delete items not required.
  2. Curtain Slats: 12 inches (305 mm) long.
  3. Bottom Bar: 6 inches (150 mm) long.
  4. Guides: 6 inches (150 mm) long.
  5. Hood: 6 inches (150 mm) square.
- E. Delegated-Design Submittal: For overhead coiling grilles indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
1. Detail fabrication and assembly of seismic restraints.
  2. Summary of forces and loads on walls and jambs.
- 1.4 INFORMATIONAL SUBMITTALS
- A. Qualification Data: For qualified Installer.
  - B. Seismic Qualification Certificates: For overhead coiling grilles, accessories, and components, from manufacturer.
- 1.5 CLOSEOUT SUBMITTALS
- A. Maintenance Data: For overhead coiling grilles to include in maintenance manuals.
- 1.6 QUALITY ASSURANCE
- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for both installation and maintenance of units required for this Project.
  - B. Source Limitations: Obtain overhead coiling grilles from single source from single manufacturer.
    1. Obtain operators and controls from overhead coiling grille manufacturer.
  - C. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1.

## PART 2 - PRODUCTS

### 2.1 GRILLE CURTAIN MATERIALS AND CONSTRUCTION

- A. Open-Curtain Grilles: Fabricate metal grille curtain as an open network of horizontal rods, spaced at regular intervals, that are interconnected with vertical links, which are formed and spaced as indicated and are free to rotate on the rods.

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1. Aluminum Grille Curtain: ASTM B 221 (ASTM B 221M), alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated.
- B. Endlocks: Continuous end links, chains, or other devices at ends of rods; locking and retaining grille curtain in guides against excessive pressures, maintaining grille curtain alignment, and preventing lateral movement.
- C. Bottom Bar: Manufacturer's standard continuous channel or tubular shape, finished to match grille.
  1. Astragal: Equip each grille bottom bar with a replaceable, adjustable, continuous, compressible gasket of flexible vinyl, rubber, or neoprene as a cushion bumper.
  2. Provide motor-operated grilles with combination bottom astragal and sensor edge.
- D. Grille Curtain Jamb Guides: Manufacturer's standard shape having curtain groove with return lips or bars to retain curtain. Provide continuous integral wear strips to prevent metal-to-metal contact and to minimize operational noise; with removable stops on guides to prevent overtravel of curtain.

## 2.2 HOODS AND ACCESSORIES

- A. Mounting Frame: Manufacturer's standard mounting frame designed to support grille; factory fabricated from ASTM A 36/A 36M structural-steel tubes or shapes, hot-dip galvanized per ASTM A 123/A 123M; fastened to floor and structure above grille; to be built into wall construction; and complete with anchors, connections, and fasteners.
- B. Push/Pull Handles: Equip each push-up-operated or emergency-operated grille with lifting handles on each side of grille, finished to match grille.
  1. Provide pull-down straps or pole hooks for grilles more than 84 inches (2130 mm) high.

## 2.3 LOCKING DEVICES

- A. Locking Device Assembly: Fabricate with cylinder lock, spring-loaded dead bolt, operating handle, cam plate, and adjustable locking bars to engage through slots in tracks.
- B. Safety Interlock Switch: Equip power-operated grilles with safety interlock switch to disengage power supply when grille is locked.

## 2.4 COUNTERBALANCING MECHANISM

- A. General: Counterbalance grilles by means of manufacturer's standard mechanism with an adjustable-tension, steel helical torsion spring mounted around a steel shaft and contained in a spring barrel connected to top of curtain with barrel rings. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.
- B. Counterbalance Barrel: Fabricate spring barrel of manufacturer's standard hot-formed, structural-quality, welded or seamless carbon-steel pipe, of sufficient diameter and wall thickness to support rolled-up curtain without distortion of parts and to limit barrel deflection to not more than 0.03 in. /ft. (2.5 mm/m) of span under full load.

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- C. Spring Balance: One or more oil-tempered, heat-treated steel helical torsion springs. Size springs to counterbalance weight of curtain, with uniform adjustment accessible from outside barrel. Secure ends of springs to barrel and shaft with cast-steel barrel plugs.
- D. Torsion Rod for Counterbalance Shaft: Fabricate of manufacturer's standard cold-rolled steel, sized to hold fixed spring ends and carry torsional load.
- E. Brackets: Manufacturer's standard mounting brackets of either cast iron or cold-rolled steel plate.

2.5 OPEN-CURTAIN GRILLE ASSEMBLY

- A. Open-Curtain Grille: Overhead coiling grille with a curtain having a network of horizontal rods that interconnect with vertical links.
  - 1. Basis-of-Design Product: Subject to compliance with requirements, provide Cornell Iron Works, Inc. Model ESG10 or comparable product by one of the following:
    - a. Cookson Company.
    - b. McKeon Rolling Steel Door Company, Inc.
    - c. Overhead Door Corporation.
- B. Operation Cycles: Not less than 20,000.
  - 1. Include tamperproof cycle counter.
- C. Grille Curtain Material: Aluminum.
  - 1. Space rods at approximately 2 inches (51 mm) o.c.
  - 2. Space links approximately 9 inches (228 mm) apart in a straight in-line pattern.
  - 3. Spacers: Metal tubes matching curtain material.
- D. Curtain Jamb Guides: Aluminum with exposed finish matching curtain slats. Provide continuous integral wear strips to prevent metal-to-metal contact and to minimize operational noise.
- E. Locking Devices: Equip grille with locking device assembly.
  - 1. Locking Device Assembly: Cremona type, both jamb sides locking bars, operable from inside with cylinders.
- F. Grille Finish:
  - 1. Aluminum Finish: Clear anodized.

2.6 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.7 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates areas and conditions, with Installer present, for compliance with requirements for substrate construction and other conditions affecting performance of the Work.
- B. Examine locations of electrical connections.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install overhead coiling grilles and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports; according to manufacturer's written instructions and as specified.
- B. Install overhead coiling grilles, hoods, and operators at the mounting locations indicated for each grille.
- C. Accessibility: Install overhead coiling grilles, switches, and controls along accessible routes in compliance with regulatory requirements for accessibility.

3.3 STARTUP SERVICE

- A. Engage a factory-authorized service representative to perform startup service.
  - 1. Perform installation and startup checks according to manufacturer's written instructions.
  - 2. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

3.4 ADJUSTING

- A. Adjust hardware and moving parts to function smoothly so that grilles operate easily, free of warp, twist, or distortion.
- B. Lubricate bearings and sliding parts as recommended by manufacturer.

3.5 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain overhead coiling grilles.

END OF SECTION 08334

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