



BCSC LF Smith Elementary & Columbus East High School

Bid Package #1

Addendum #3

February 11, 2025

This Addendum is hereby made a part of the Drawings and Specifications on the subject work as though originally included therein. The following amendments, additions, and/or corrections shall govern this work.

General

1. **All final Questions are to be submitted by 12:00pm on Wednesday 2/12.**
2. Please note that Columbus East start date has been shifted back to start on May 19th, 2025.
3. Please see attached supplemental documents provided by CSO.

Updated Division 00 – 01 Documents

1. Updated Alternates Form
 - a. Clarified Alternate 1
 - b. New Alternate 9
2. Updated 00 31 13 Preliminary Construction Phasing Schedules
 - a. LF Smith preliminary site work schedule
 - b. Columbus East start date revised
3. Updated Columbus East Preliminary Construction Schedule

Questions / Answers

1. Please advise if Note #8 on the RCP plans at LF Smith applies to the Cast in place concrete walls / bulkheads or if it applies only to the gypsum bulkheads.
 - a. Response Per CSO's Attached Narrative: Bulkheads that note 8 are referencing to are gypsum board bulkheads.
2. Please advise on location in which the following spec applies to: 03 01 30 – Maintenance of Cast-In-Place Concrete.
 - a. Response Per CSO's Attached Narrative: Specification applies to the 'purple' tube where the slope is being modified. Intent is for product to be applied over top of the existing slab to build up and extend the ramp surface.
3. Please advise if all abandoned condenser units shall be removed?
 - a. CM Response: Yes, refer to Multiple Contract Summary
4. Please advise what unit can be seen in Waiting B102 on drawing M201C

- a. CM Response: Refer to sheet M201B.
- 5. Please clarify what Bogen system is required per note "EXISTING BOGEN QUANTUM PAGING SYSTEM AND RACK TO BE DEMOLISHED UPON COMPLETE INSTALLATION AND SWITHOVER TO NEW BOGEN NYQUIST SYSTEM." on sheet T304. Please clarify if this is new within the project or if this is Owner provided? If this is Owner provided, please clarify what new scope is required by BC-11.
 - a. Response Per CSO's Attached Narrative: Location shown in rack elevation is descriptive of existing Bogen Quantum system head end. Existing Quantum will be removed and replaced with Bogen Nyquist by Owner's Vendor. No scope required from project Contractor. Extent of scope for project Contractor is new rough-ins for call stations in new walls
- 6. Please advise if Owner accepts MC Cable
 - a. Response Per CSO's Attached Narrative: MC cable is acceptable.
- 7. Please advise on Hydronic routing & pipe sizing for FCU C109, FCU C101, FCU C122 on sheet M211C. Currently not shown on plans.
 - a. Response Per CSO's Attached Narrative: See drawing revisions in addendum 2

MCS Clarifications

8. BC-1 General Trades

- a. REVISED – "Responsible for all specialties per schedule on A901A" This has been revised to read as "Responsible for all specialties per schedule on A901A as Contractor Supplied, Contractor Installed at LF Smith."
- b. ADDED "At the benches in LF Smith - Concrete to be poured by BC-3. Metal Stud Framing & Gypsum by BC-6. Sheathing or blocking by BC-1. Schluter Trims by BC-7. Solid Surface or Plam by BC-5. Wall Film by BC-1."

9. BC-5 Casework

- a. Is BC5 responsible for the mdf window wraps on A602?
 - i. Yes. ADDED to MCS to read "BC-5 responsible to provide and install mdf window wraps on A602 and where required by drawings and specifications"
- b. What is BC 5's scope of responsibility for the benches at LF Smith? Framing, substrate and film by bp1 and I supply the solid surface?
 - i. ADDED "At the benches in LF Smith - Concrete to be poured by BC-3. Metal Stud Framing & Gypsum by BC-6. Sheathing or blocking by BC-1. Schluter Trims by BC-7. Solid Surface or Plam by BC-5. Wall Film and any finished caulking by BC-1."
- c. Please confirm BC 5 is responsible for the dishwashers add in spec 123557 in add2.
 - i. No, BC-1 responsible to provide and install.
- d. On CEHS 6/a601 should there be wall cabinets in the alternate or is it just a filler panel to the ceiling?
 - i. Please refer to drawings & revised Alternates Form. Base Bid is to be filler panel to ceiling. Alternate is for additional cabinets.

10. BC-6 Framing / Drywall / Acoustical Ceilings

- a. ADDED "At the benches in LF Smith - Concrete to be poured by BC-3. Metal Stud Framing & Gypsum by BC-6. Sheathing or blocking by BC-1. Schluter Trims by BC-7. Solid Surface or Plam by BC-5. Wall Film by BC-1."

New / Revised Specifications

- 11. Refer to Addendum #2 Document Attached from CSO noting changes:
10 14 23 – Panel Signage

Updated Drawings

- 1. Refer to Addendum #3 Document Attached from CSO noting changes:
 - a. **L. FRANCES SMITH ELEMENTARY:**
 - i. L100, L200, L200a, P202G, P601C

DOCUMENT 004323 - ALTERNATES FORM

Project: Bartholomew Consolidated School Corporation Project BP #1 LF Smith & Columbus East Renovations

L Francis Smith Elementary: 4505 Waycross Dr, Columbus, IN 47203

Columbus East High School: 230 S Marr Rd, Columbus, IN 47201

Owner: Bartholomew Consolidated School Corporation
Architect: CSO Architects
Construction Manager: Maxwell Construction Company

Bid Submitted By: _____

Bid Category: No. _____ Description _____

DESCRIPTION

- A. The undersigned Bidder proposes the amount below be added to or deducted from the Base Bid if alternates are accepted by Owner. Amounts listed for each alternate include costs of related coordination, modification, or adjustment.
- B. If the alternate does not affect the Contract Sum, the Bidder shall indicate "NO CHANGE."
- C. If the alternate does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."
- D. The Bidder shall be responsible for determining from the Contract Documents the effects of each alternate on the Contract Time and the Contract Sum.
- E. Owner reserves the right to accept or reject any alternate, in any order, and to award or amend the Contract accordingly within 90 days of the Notice of Award unless otherwise indicated in the Contract Documents.
- F. Acceptance or non-acceptance of any alternates by the Owner shall have no effect on the Contract Time unless the "Schedule of Alternates" Article below provides a formatted space for the adjustment of the Contract Time.

SCHEDULE OF ALTERNATES AS FOLLOWS:

Columbus East High School

Alternate No. 1 – Upper Casework

Responsible Bid Categories: BC-5 Casework

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid to provide one row up upper casework in C4 lab locations. Filler panel to ceiling as required.
- Alternate #1 to include ADD or DEDUCT to provide and install a second row of upper casework in lieu of the filler panel in C4 lab locations as indicated on drawing A600, A601, and A602.

Alternate No. 2 – Columbus East High School HVAC Controls – Trane

Responsible Bid Categories: BC-10 Plumbing & HVAC

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid to provide controls wiring & devices in accordance with drawings and specifications. Controls will not be by Trane.
- Alternate #2 to include ADD or DEDUCT to contract sum for HVAC controls provided by Trane to integrate into the school's existing system, with requirements specified in Section 23 09 00 Instrumentation and Controls for HVAC, and as shown on Plans. Amount represents cost of all materials and labor.

L. Francis Smith Elementary School

Alternate No. 3 – Bus Loop

Responsible Bid Categories: BC – 2 Excavation & Paving, BC-3 Concrete, BC-11 Electrical / Technology.

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid to modify east side of site with new sidewalks connecting to existing north/south. Refer to civil and landscape sheets for scope.
- Alternate #3 to include ADD to modify east side of site with new bus loop, sidewalks, and storm work. Refer to sheets C303, C305, C403, C903, L010a, L100a, L200a, L400a, and E100, and T001 for scope.

Alternate No. 4 – Cafeteria/Custodial Office Renovation

Responsible Bid Categories: BC-1 General Trades, BC-6 Framing, Drywall, Ceilings, BC-7 Flooring & Tile, BC-8 Windows & Glazing, BC-9 Fire Suppression, BC-10 Plumbing, Heating, Ventilation, and Air Conditioning, BC-11 Electrical, BC-12 Painting.

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid is that existing custodial office in Unit F is to remain. Existing restrooms to receive no work. Cafeteria will receive electrical work as shown, but finishes are existing to remain.
- Alternate #4 to include ADD to modify the shower space in lower-level Unit F to create a new custodial office. Refer to sheets AD201F, A201F, and related mechanical, electrical, and plumbing drawings for these rooms. Rework Cafeteria F202 to create a small Office F203 and Storage F204, add new window, add two new doors off corridor, provide new flooring for all spaces. Refer to sheets AD202F, A202F, and related mechanical, electrical, and plumbing drawings for these rooms.

Alternate No. 5 – New Additions Roofing – Carlisle

Responsible Bid Categories: BC-13 Roofing

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid to include Sika Sarnfil as roofing manufacturer in accordance with division 7 specifications.
- Alternate #5 to include a DEDUCT for Carlisle as roofing manufacturer in accordance with Division 7 specifications.

Alternate No. 5a – New Additions Roofing – Fibertite

Responsible Bid Categories: BC-13 Roofing

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid to include Sika Sarnfil as roofing manufacturer in accordance with division 7 specifications.
- Alternate #5a to include a DEDUCT for Fibertite as roofing manufacturer in accordance with Division 7 specifications.

Alternate No. 5b – New Additions Roofing – Any Manufacturer

Responsible Bid Categories: BC-13 Roofing

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

Manufacturer: _____

- Base bid to include Sika Sarnfil as roofing manufacturer in accordance with division 7 specifications.
- Alternate #5b to include ADD for any roofing manufacturer with a .60 mil reinforced membrane, 20 year warranty, and associated roofing assembly in accordance with the drawings.

Alternate No. 6 – Re-Roofing – Sika Sarnafil

Responsible Bid Categories: BC-13 Roofing

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____
_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid to include no re-roofing work on units E, F, G unless otherwise required by new additions.
- Alternate #6 to include an ADD for Sika Sarnafil as roofing manufacturer for the Re-Roof work required at Unit E, F, and G in accordance with Division 7 specifications.

Alternate No. 6a – Re-Roofing – Carlisle

Responsible Bid Categories: BC-13 Roofing

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____
_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid to include no re-roofing work on units E, F, G unless otherwise required by new additions.
- Alternate #6a to include an ADD for Carlisle as roofing manufacturer for the Re-Roof work required at Unit E, F, and G in accordance with Division 7 specifications.

Alternate No. 6b – Re-Roofing – Fibertite

Responsible Bid Categories: BC-13 Roofing

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____
_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid to include no re-roofing work on units E, F, G unless otherwise required by new additions.
- Alternate #6b to include an ADD for Fibertite as roofing manufacturer for the Re-Roof work required at Unit E, F, and G in accordance with Division 7 specifications.

Alternate No. 6c – New Additions Roofing – Any Manufacturer

Responsible Bid Categories: BC-13 Roofing

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

Manufacturer: _____

- Base bid to include no re-roofing work on units E, F, G unless otherwise required by new additions.
- Alternate #6c to include ADD for any roofing manufacturer with a .60 mil reinforced membrane, 20 year warranty for the Re-Roof work required at Unit E, F, and G in accordance with the drawings.

Alternate No. 7 – Unit F Corridor Finish Update

Responsible Bid Categories: BC-1 General Trades

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid is to Replace existing flooring. Existing visual display units to remain on walls.
- Alternate #7 to include ADD to Demolish existing visual display units outside of Cafeteria F202. Patch and repair concrete walls to receive ten (10) new tack boards relocated from existing classrooms.

Alternate No. 8 – L. Frances Smith Elementary School HVAC Controls – Jackson Systems

Responsible Bid Categories: BC-10 Plumbing & HVAC

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid to provide controls wiring & devices in accordance with drawings and specifications. Controls will not be by Jackson Systems.
- Alternate #8 to include ADD or DEDUCT to contract sum for HVAC controls provided by Jackson Systems to integrate into the school's existing system, with requirements specified in Section 23 09 00 Instrumentation and Controls for HVAC, and as shown on Plans. Amount represents cost of all materials and labor.

Alternate No. 9 – New Unit Ventilators

Responsible Bid Categories: BC-1 General Trades

ADD _____ DEDUCT _____ NO CHANGE _____ NOT APPLICABLE _____

_____ Dollars (\$ _____)
(Written Amount) (Numerical)

- Base bid is to exclude the Unit Ventilators as listed below.
- Alternate #9 to include ADD to demo and replace the following Unit Ventilators:
 - Sheet M201B – UV B101
 - Sheet M201E – UV E1, UV E2, UV E3, UV E4, UV E5,

SUBMISSION OF BID SUPPLEMENT

Respectfully submitted this ____ day of _____, 2025

Submitted By: _____ (Insert name of bidding firm or corporation)

Authorized Signature: _____ (Handwritten signature)

Signed By: _____ (Type or print name)

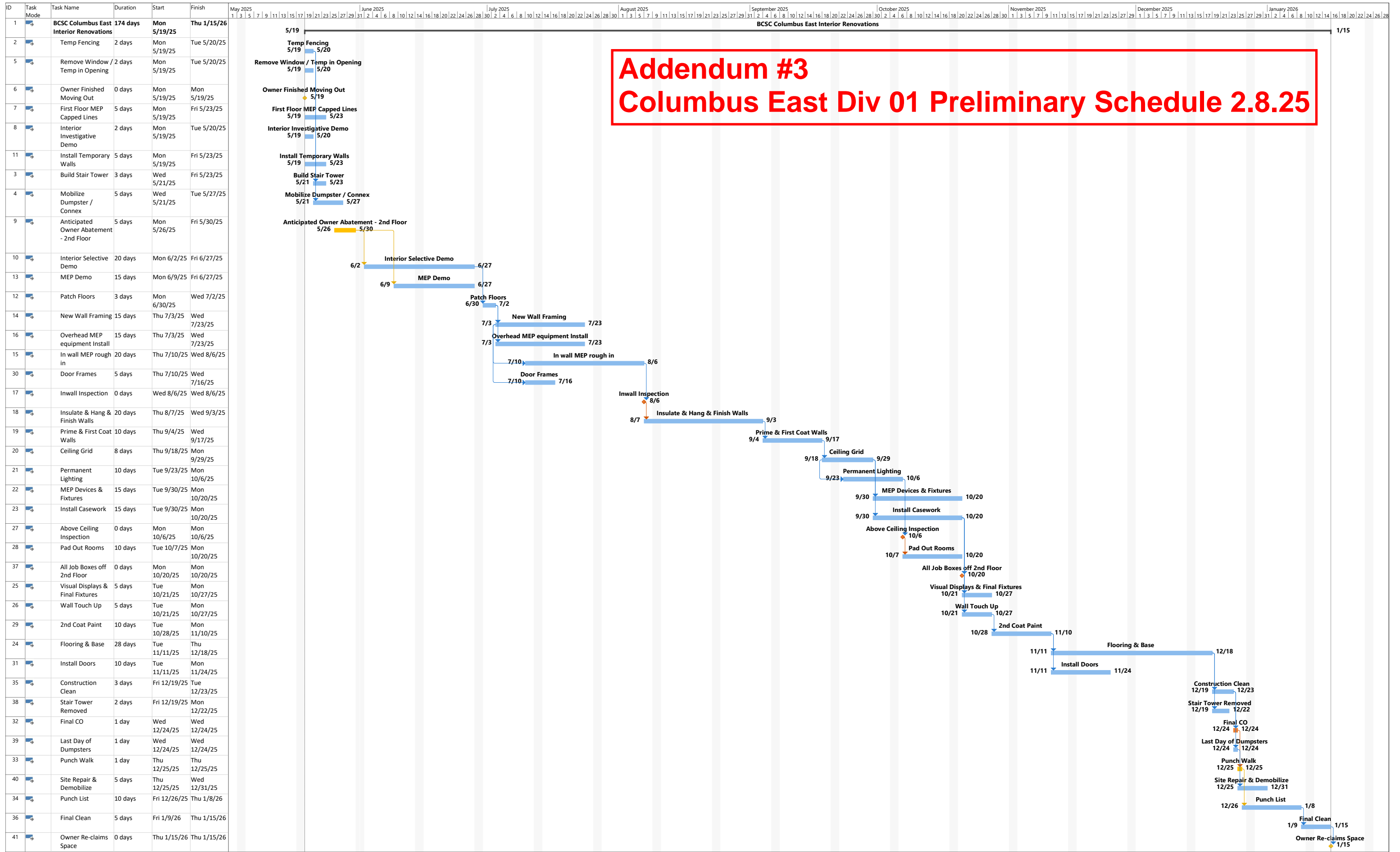
Title: _____ (Owner/Partner/President/Vice President)

SECTION 003113 - PRELIMINARY CONSTRUCTION/PHASING SCHEDULES

1.1 PROJECT SCHEDULE

- A. This Document with its referenced attachments is part of the Procurement and Contracting Requirements for Project. They provide Owner's information for Bidders' convenience and are intended to supplement rather than serve in lieu of Bidders' own investigations. They are made available for Bidders' convenience and information, but do not affect Contract Time requirements. This Document and its attachments are not part of the Contract Documents.
- B. Project schedule including design and construction milestones and Owner's occupancy requirements is available for viewing as appended to this Document. The following attached documents are preliminary scope summaries and phasing diagrams. They are subject to change once contracts have been awarded and final schedule discussions take place.
1. See attached preliminary construction schedule.
 - a. The Schedules of Work and Phasing Plans attached are for bidding purposes only. Schedules are subject to change.
 2. See attached L Francis Smith Phasing Plan, a preliminary scope summary and phasing diagram.
 3. **LF Smith Site Work Preliminary Schedule as follows:**
 - a. **Site work required by building additions and interior remodel work to be done as required to meet phasing plan.**
 - b. **West Side site improvements – March 2026 through July 2026**
 - c. **East Side Bus Drive (Alternate) – March 2027 – July 2027 IF ACCEPTED**
 4. **Columbus East Renovations will happen in one (1) phase from May 2025 to January 2026.**
- C. Related Requirements:
1. Section 004116 "Bid Form - Stipulated Sum (Multiple-Prime Contract)" for Contract Time.
 2. Section 011000 "Summary" for phased construction requirements.
 3. Section 013200 "Construction Progress Documentation" for Contractor's construction schedule requirements.

END OF SECTION 003113



Addendum #3 Columbus East Div 01 Preliminary Schedule 2.8.25

ADDENDUM

ADDENDUM NO: 3

PROJECT: BCSC L. Frances Smith Elementary School & Columbus East High School

PROJECT NO: 2024023 & 2024024 DATE: 02/10/2025 BY: Emily Newton



This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages: ADD3-1 – ADD3-4

Attached Specifications: 10 14 23 – Panel Signage

Attached Drawing Sheets:

L. FRANCES SMITH ELEMENTARY:

L100, L200, L200a, P202G, P601C

COLUMBUS EAST:

NONE

PART 0 - GENERAL INFORMATION

0.1 NOT USED

PART 1 - BIDDING REQUIREMENTS

1.1 NOT USED

PART 2 - SPECIFICATIONS

2.1 00 00 10 – TABLE OF CONTENTS

A. ADD section 10 14 23 – PANEL SIGNAGE

2.2 10 14 23 – PANEL SIGNAGE

A. ISSUE new specification section in its entirety.

PART 1 - L. FRANCES SMITH ELEMENTARY DRAWINGS

LANDSCAPE

1.1 L100 – MATERIAL PLANS

- A. Added curb ramps along at driveway crossings for the path along Waycross Drive.
- B. Clarified pavement replacement types north of building and south of new ADA spaces.

1.2 L200 – LAYOUT PLANS and L200a - SITE LAYOUT PLANS - ALTERNATE

- A. Added dimensions for curb ramps at drive crossings

ARCHITECTURAL

1.3 A901A – GROUND LEVEL EQUIPMENT PLAN - UNIT A through A903B – UPPER LEVEL EQUIPMENT PLAN – UNIT B

- A. ADD Markerboard MB1 at all SGR Small Group Rooms as listed below:

SGR Rooms A204, A208, A216, A219, C205, C206, C214, C 216, D113, D119, D204, D208, D217, D218

These MB1 Markerboards to be NEW, not reused.

1.4 A901A – GROUND LEVEL EQUIPMENT PLAN

- A. At 'NEW SPECIALTY EQUIPMENT SCHEDULE', ADD to Item MB1 the following:

Spec Section: 10 11 00

Manufacturer: Claridge

Model No. : See Specs

Furnished By: Contractor

Installed By: Contractor

MECHANICAL

1.5 P202G – SECOND LEVEL PLAN – UNIT G – PLUMBING

- A. ADD SHOWER SH-1 TO ROOM G212.

2.2 P601C – SCHEDULES – PLUMBING

- A. ADD SH-1 TO THE PLUMBING FIXTURE SCHEDULES

PART 2 - OTHER ITEMS

2.1 NOT USED

- A. Not Used

PART 3 - QUESTIONS AND ANSWERS

3.1 Please advise if Note #8 on the RCP plans at LF Smith applies to the Cast in place concrete walls / bulkheads or if it applies only to the gypsum bulkheads.

- A. Bulkheads that note 8 are referencing to are gypsum board bulkheads.

3.2 Please advise on location in which the following spec applies to: 03 01 30 – Maintenance of Cast-In-Place Concrete

- A. Specification applies to the 'purple' tube where the slope is being modified. Intent is for product to be applied over top of the existing slab to build up and extend the ramp surface.

3.3 Is MC cable acceptable in concealed areas and above concealed ceilings? This will be more cost effective for the Owner.

- A. This is solely based on owner preference. We can accept MC cable if owner approves.

3.4 Please advise if Owner accepts MC Cable.

- A. MC Cable is acceptable

3.5 Please advise if all abandoned condenser units shall be removed?

- A. CM Response: Yes, refer to Multiple Contract Summary

3.6 Please advise what unit can be seen in Waiting B102 on drawing M201C

- A. CM Response: Refer to sheet M201B

3.7 Please advise on Hydronic routing & pipe sizing for FCU C109, FCU C101, FCU C122 on sheet M211C. Currently not shown on plans.

- A. See drawing revisions in addendum 2

- 3.8 Please clarify what Bogen system is required per note "EXISTING BOGEN QUANTUM PAGING SYSTEM AND RACK TO BE DEMOLISHED UPON COMPLETE INSTALLATION AND SWITHOVER TO NEW BOGEN NYQUIST SYSTEM." on sheet T304. Please clarify if this is new within the project or if this is Owner provided? If this is Owner provided, please clarify what new scope is required by BC-11.
- A. Location shown in rack elevation is descriptive of existing Bogen Quantum system head end. Existing Quantum will be removed and replaced with Bogen Nyquist by Owner's Vendor. No scope required from project Contractor. Extent of scope for project Contractor is new rough-ins for call stations in new walls.
- 3.9 Is the Bus Lot detention pond required within the base bid work?
- A. Yes, the roof drainage of building additions at Unit A and Unit G drain to the east side of the site. Per requirements of the City of Columbus, new impervious areas shall be treated for water quality and the runoff shall be reduced from the site. Therefore, the detention would be needed in base bid. The detention, however, is sized to accommodate the Alternate bus parking lot in anticipation of those improvements.
- 3.10 Please advise if a new fire hydrant is required at the new bus drive.
- A. Yes, the existing fire protection vault near Waycross Drive contains a post indicator valve (PIV) and Fire Department Connection (FDC), which should have a hydrant within a 100-foot vicinity. The nearest existing fire hydrant is across the street, exceeding 100 feet distance from the vault. In anticipation of the bus parking lot (Alternate), a fire engine is likely to park next to the fire vault within the bus lot drive aisle for accessing the FDC / PIV. The proposed hydrant will be in close proximity to this location. Additionally, a second fire hydrant was requested east of the school by the Fire Department in anticipation of the bus parking lot construction (Alternate).

END ADDENDUM #3

SECTION 10 14 23 – PANEL SIGNS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. This Section includes the following:
 - 1. Interior panel signs.
 - 2. Signage accessories.

1.03 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of sign.
- B. Shop Drawings: Include plans, elevations, and large-scale sections of typical members and other components. Show mounting methods, grounds, mounting heights, layout, spacing, reinforcement, accessories, and installation details.
 - 1. Provide message list for each sign, including large-scale details of wording, lettering, artwork, and braille layout.
- C. Samples for Initial Selection: For each type of sign material indicated that involves color selection.
 - 1. Acrylic Backer Sheet: 8 by 10 inches for each color required.
 - 2. Acrylic Face Sheet: 8 by 10 inches for each color required.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative of signage manufacturer for installation and maintenance of units required for this Project.
- B. Source Limitations: Obtain each sign type through one source from a single manufacturer.
- C. Regulatory Requirements: Comply with the Americans with Disabilities Act (ADA) and with code provisions as adopted by authorities having jurisdiction.

1.05 PROJECT CONDITIONS

- A. Field Measurements: Where sizes of signs are determined by dimensions of surfaces on which they are installed, verify dimensions by field measurement before fabrication and indicate measurements on Shop Drawings.

1.06 COORDINATION

- A. For signs supported by or anchored to permanent construction, advise installers of anchorage devices about specific requirements for placement of anchorage devices and similar items to be used for attaching signs.

1. For signs supported by or anchored to permanent construction, furnish templates for installation of anchorage devices.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Provide signs manufactured by one of the following:
 1. On Display Signs
 2. Falls City Signs & Graphics
 3. Diskey Architectural Signage
 4. Essential Architectural Signs
 5. Ace Sign Systems, Inc.
 6. ASI Sign Systems, Inc.
 7. Sign Solutions
 8. A.R.K. Ramos.
 9. Best Sign Systems
 10. Gemini Incorporated.
 11. InPro Corporation
 12. Matthews International Corporation; Bronze Division.
 13. Southwell Co. (The).
 14. SignWorks.

2.02 MATERIALS

- A. Acrylic Sheet: ASTM D 4802, Category A-1 (cell-cast sheet), Type UVA (UV absorbing).

2.03 PANEL SIGNS

- A. General: Provide panel signs that comply with requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes, and details of construction.
- B. Clear Matte Acrylic Sheet: .080-inch thick with back side painted.
- C. Cast-Acrylic Back-Up Sheet: Manufacturer's standard. 0.125-inch thick, and as follows:
 1. Color: As indicated on drawings.
- D. Colored Coatings for Acrylic Sheet: For background colors, provide colored coatings, including inks, dyes, and paints, that are recommended by acrylic manufacturers for optimum adherence to acrylic surface and are UV and water resistant for application intended.
 1. Color: As selected by Architect from manufacturer's full range.

2.04 PANEL SIGN FABRICATION

- A. Unframed Panel Signs: Fabricate signs with edges mechanically and smoothly finished to comply with the following requirements:
 1. Edge Condition: Eased.
 2. Corner Condition: Rounded.
 3. Surface: Provide smooth sign panel surfaces constructed to remain flat under installed conditions within a tolerance of plus or minus 1/16 inch measured diagonally from corner to corner.

- B. Mounting: As indicated on drawings.

2.05 ACCESSORIES

- A. Mounting Methods: As indicated on drawings.
- B. Anchors and Inserts: As indicated on drawings.
- C. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- D. Protect mechanical finishes on exposed surfaces from damage by applying strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.
- B. Verify that items[, including anchor inserts, provided under other sections of Work are sized and located to accommodate signs.
- C. Examine supporting members to ensure that surfaces are at elevations indicated or required to comply with authorities having jurisdiction and are free from dirt and other deleterious matter.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. General: Locate signs and accessories where indicated, using mounting methods of types described and in compliance with manufacturer's written instructions.
 - 1. Install signs level, plumb, and at heights indicated, with sign surfaces free from distortion and other defects in appearance.
 - 2. Wall Signs: Install signs on walls adjacent to latch side of door where applicable. Where not indicated or possible, such as double doors, install signs on nearest adjacent walls. Locate to allow approach within 3 inches of sign without encountering protruding objects or standing within swing of door.
- B. Wall-Mounted Panel Signs: Attach panel signs to wall surfaces using methods indicated below:
 - 1. Vinyl-Tape Mounting: Use double-sided foam tape to mount signs to smooth, nonporous surfaces. Do not use this method for vinyl-covered or rough surfaces.
 - 2. Where panel signs are scheduled or indicated to be mounted on glass, provide matching plate on opposite side of glass to conceal mounting materials.
- C. Field-Applied, Vinyl-Character Signs: Clean and dry substrate. Align sign characters in final position before removing release liner. Remove release liner in stages, and apply and firmly press characters into final position. Press from the middle outward to obtain good bond without blisters or fishmouths. Remove carrier film without disturbing applied vinyl film.

3.03 CLEANING AND PROTECTION

- A. After installation, clean soiled sign surfaces according to manufacturer's written instructions. Protect signs from damage until acceptance by Owner.

END OF SECTION

2024023 & 2024024
L. Frances Smith Elementary School &
Columbus East High School Renovations
Bartholomew Consolidated School Corporation

SECTION 10 14 23
PANEL SIGNS

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