ADDENDUM #04

PROJECT: Perryville Branch Library Renovation

The following items represent changes, modifications and/or clarifications to the Contract Documents for this project. This Addendum shall become a part of the Contract Documents and all Bidders shall acknowledge its inclusion in their bid.

This Addendum consists of the following:

- 3 Typed pages (Addendum revisions)
- 4 Drawing Sheets: A001, AD101, A433, ED101 (Addendum revisions)
- 1 Specification Section: 084113 – Aluminum-Framed Entrances and Storefronts.

Responses to Bidder Questions:

1. **Question:** Provide the existing concrete slab thickness and new concrete strength required for patching the new trenching and where the floor box infill is to occur.
   
   **Answer:** Reference detail 2/AD101 on attached revised AD101.

2. **Question:** General Note 3 on Sheet E201 states "Existing Lighting Circuit Breakers in Panel LP1" and LP1 appears to be new on sheet E401. Please Clarify.
   
   **Answer:** LP1 is an existing panel, not new. It is an error on the panel schedule that it is not marked EX like the other panels. It is, however, labeled as an existing panel on ED101 and E201.

3. **Question:** Section 1.10 Guarantee on Sheet E501, Item C, calls for a Two (2) Year Warranty/Guarantee period with manufacturer’s recommended maintenance is required for the Electrical. Please confirm if this requirement is for Electrical and Low-Voltage.
   
   **Answer:** The Two-Year Warranty/Guarantee period applies to both Electrical and Low-Voltage.

4. **Question:** Is the low voltage data contractor responsible for installing the owner furnished cameras and mounts? If so, can you provide further details on the camera models?
   
   **Answer:** All cameras and mounts will be installed by the Owner’s vendor.

5. **Question:** Is the EC responsible for all conduit, raceways, trays, etc? Excluding J-hooks and closet tray.
   
   **Answer:** EC will be required to install all conduits and backboxes with pullstrings. TC will be required to install all necessary J-hooks required for above acoustical ceilings. No cable tray is called for in design.

6. **Question:** Drawing E001 mentions installing jumper cables. Would we be installing a patch cord for every patch panel port and connecting to any available owner provided and installed switch port?
   
   **Answer:** Yes. Contractor will be required to provide patch cords between the existing patch panels and existing network switches. Contractor shall coordinate with Owner on exact patch panels and switch ports to be utilized.

7. **Question:** Please confirm the existing data closet and rack location.
   
   **Answer:** The existing data rack is in Server Room 126.

8. **Question:** Is there a Division 27 Spec?
Answer: There is no written Division 27 Spec. The extent of the Division 27 Specifications is indicated on the Drawings. Refer to 3.1 and 4.2 on E501. Raceway specifications are the same as Electrical.

9. Question: Is there a preferred manufacturer for the data cabling, jacks, patch panels, etc?

Answer: No.

10. Question: Is the low voltage data cabling in the GC's contract? (Div 27)

Answer: Yes.

11. Question: Is there sufficient space for all new cabling, panels, managers in the existing rack?

Answer: Yes - once existing cable to be demolished is removed.

12. Question: Is there wireless access point cabling? If so, please provide details.

Answer: No. There will be no additional wireless access points added as part of this project.

13. Question: On Drawing ED101 several of the floor boxes have note #13 indicated. There is not a description of Note #13.

Answer: Replace Keynote 13 with Keynote 10. Revised ED101 attached.

14. Question: Door schedule notes state to match existing hardware for the storefront doors. Is existing door hardware known so that it can be matched correctly? From the site visit it looks like each existing storefront door has slightly different hardware installed. Please clarify.

Answer: The client has requested that the new hardware match the existing hardware at the Quiet Room, which is Yale 5400LN, Lever Design Pacific Beach PB.

15. Question: Storefront specifications call for both an organic finish and a clear anodized finish. Which is correct.

Answer: The finish of the new storefront shall match existing. Refer to revised specification attached.

Changes to Drawings:

1. Sheet A001 – Legends, Symbols, Abbreviations, Door & Partition Types

REVISE: Door schedule to note that door 120A is Type “N” and hardware notes have been revised for door 120A & 132A. Door E2’s frame type & frame material are existing.

2. Sheet AD101 – Demolition Plan

REVISE: General Demo Note 7 to include “Refer to detail 2/AD101”.
ADD: Detail 2/AD101.

3. Sheet A433 – Enlarged Plans and Elevations

REVISE: Elevation 2/A433 and 4/A433 to add horizontal mullion at 8’-0” to IGP-1 storefront units.

4. Sheet ED101 – Level 1 Plan Electrical Demolition

REVISE: Remove Keynote Tag 13 and replace with Keynote Tag 10.
Changes to Specifications:

Section 084113 – Aluminum-Framed Entrances and Storefronts: Revise the following paragraph:

2.7 ALUMINUM FINISHES

1. Finish: Kawneer coating in color and finish to match existing storefront frames.

END OF ADDENDUM 04
1. PRIOR TO THE START OF DEMOLITION ACTIVITIES, THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN THE DEMOLITION AND NEW WORK DRAWINGS.

2. ALL BUILDING ELEMENTS TO BE DEMOLISHED OR REMOVED, AND/OR REPLACED TO ACCOMMODATE THE NEW WORK. PREPARE EXISTING SURFACES WITH THE NEW WORK AS DESCRIBED IN THE DOCUMENTS.

3. REFER TO SPECIFICATIONS FOR SELECTIVE REMOVAL AND REPLACEMENT OF EXISTING SLAB ON GROUND, WALLS, STAIRS, STAIR RAIL, CEILINGS, SUBFLOORS, CONTENTS, DOORS, WINDOW FRAMES,鎖、SASH, EXISTING WALL ASSEMBLY.

4. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, MIRE LEED, AND SECURITY SPECIFICATIONS FOR RESPECTIVE REQUIREMENTS. COORDINATE THE LIMITS OF SUCH TEMPORARY PROTECTIVE MEASURES.

5. PROVIDE TEMPORARY ENCLOSURES AS INDICATED TO FIELD VERITY EXISTING CONDITIONS AND TO FULLY UNDERSTAND THE DEMOLITION SCOPE. DEMOLITION REQUIREMENTS INCLUDE LIMITING THE DISTURBANCE TO THE WORK ROOM, BOOK ENCLOSE, ELECTRONIC SECURITY STORAGE, LIBRARY READING ROOM, STAFF ROOM, WASHROOM, MEETING ROOM, JANITOR ROOM, AND OFFICE.

6. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL ELECTRICAL, MIRE LEED, AND SECURITY SPECIFICATIONS FOR RESPECTIVE REQUIREMENTS. COORDINATE THE LIMITS OF SUCH TEMPORARY PROTECTIVE MEASURES.

7. REMOVAL AND REPLACEMENT OF EXISTING SLAB ON GROUND AS INDICATED TO FIELD VERITY EXISTING CONDITIONS AND TO FULLY UNDERSTAND THE DEMOLITION SCOPE. DEMOLITION REQUIREMENTS INCLUDE LIMITING THE DISTURBANCE TO THE WORK ROOM, BOOK ENCLOSE, ELECTRONIC SECURITY STORAGE, LIBRARY READING ROOM, STAFF ROOM, WASHROOM, MEETING ROOM, JANITOR ROOM, AND OFFICE.

8. DEMO EXISTING WINDOW BENCH.

9. DEMO EXISTING VENDING BAR CASEWORK.

10. DEMO EXISTING "SIGHT & SOUND" VENDING BAR CASEWORK.

11. DEMO EXISTING TAPPERED STACKED STONE BASES & KEEP STOREFRONT WALL. REPAIR, & REPAINT SOFFIT ABOVE STOREFRONT WALL. REPAIR, & REPAINT SOFFIT ABOVE.

12. DEMO EXISTING "CHILDREN'S" SIGNAGE AND STOREFRONT WALL. REPAIR, & REPAINT BASE. PATCH, & INFILL WITH NEW GWB. TRENCH OR SLAB ALONG PERIMETER OF ALL WALLS.

13. DEMO EXISTING 1/2 HEIGHT WALL.

14. DEMO EXISTING PENDANTS ABOVE PREVIOUS NECESSITY ENERGY-CONSERVING LIGHTING.

15. DEMO EXISTING CIRCULATION DESK.

16. DEMO TEMPORARY GPDW WALL AS INDICATED TO FIELD VERITY EXISTING CONDITIONS AND TO FULLY UNDERSTAND THE DEMOLITION SCOPE. DEMOLITION REQUIREMENTS INCLUDE LIMITING THE DISTURBANCE TO THE WORK ROOM, BOOK ENCLOSE, ELECTRONIC SECURITY STORAGE, LIBRARY READING ROOM, STAFF ROOM, WASHROOM, MEETING ROOM, JANITOR ROOM, AND OFFICE.

17. DEMO EXISTING "CHILDREN'S" SIGNAGE MOUNTED TO SOFFIT.

18. DEMO EXISTING "CAFE" AND "SIGHT & SOUND" VENDING BAR CASEWORK. PATCH, & INFILL WITH NEW GWB. TRENCH OR SLAB ALONG PERIMETER OF ALL WALLS.

19. DEMO INFO DESK SIGNAGE TRUSS

20. DEMO EXISTING "CHILDREN'S" SIGNAGE MOUNTED TO EXISTING CONSTRUCTION TO REMAIN TO ACCOMMODATE NEW WORK AND/OR REQUIREMENTS.

21. DEMO EXISTING "CHILDREN'S" SIGNAGE MOUNTED TO EXISTING CONSTRUCTION TO REMAIN TO ACCOMMODATE NEW WORK AND/OR REQUIREMENTS.

22. DEMO EXISTING "CHILDREN'S" SIGNAGE MOUNTED TO EXISTING CONSTRUCTION TO REMAIN TO ACCOMMODATE NEW WORK AND/OR REQUIREMENTS.

23. DEMO EXISTING CIRCULATION DESK.

24. REMOVE EXISTING "CAFE" AND "SIGHT & SOUND" VENDING BAR CASEWORK.

25. REMOVE FRESH AIR INTAKES. PATCH, & INFILL WITH NEW GWB.
GENERAL NOTES:
1. REFER TO E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN HEAVY DASHED (            ) SHALL BE REMOVED, ELECTRICAL ITEMS SHOWN HEAVY SOLID (            ) SHALL BE NEW AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (            ) SHALL BE EXISTING TO REMAIN.

DRAWING NOTES:
1. FIRE ALARM DEVICE EXISTING TO REMAIN.
2. RECEPTACLE EXISTING TO REMAIN.
3. REMOVE EXISTING FLOOR BOX.
4. DATA OUTLET EXISTING TO REMAIN.
5. REMOVE EXISTING RECEPTACLE.
6. REMOVE EXISTING LIGHTING CONTROLS.
7. REMOVE EXISTING DATA OUTLET.
8. REMOVE EXISTING FIRE ALARM DEVICE.
9. REMOVE EXISTING SECURITY DEVICE.
10. REMOVE EXISTING FLOOR BOX. PROTECT EXISTING WIRING AND CONDUIT FOR RECONNECT TO NEW FLOOR BOX. REFER TO NEW WORK PLAN SHEET E101.
11. U.O.: ALL LIGHT FIXTURE WITHIN THE PROJECT AREA ARE TO BE REMOVED, ALONG WITH ALL ASSOCIATED WIRING, BACK TO SOURCE.
12. REMOVE, PROTECT AND RELOCATE EXISTING LIGHT FIXTURE TO BE REINSTALLED AS PART OF NEW WORK.
SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

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. Interior storefront frames and doors.
2. Storefront accessories.
3. Trim and accessories at storefront perimeters.

B. Related Sections:

1. Division 07 Section "Joint Sealants" for installation of joint sealants installed with storefront systems and for sealants to the extent not specified in this Section.
2. Division 08 Section "Glazing" for glazing units.

1.3 DEFINITIONS

A. ADA/ABA Accessibility Guidelines: U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disability Act (ADA) and Architectural Barriers Act (ABA) Accessibility Guidelines for Buildings and Facilities."

1.4 PERFORMANCE REQUIREMENTS

A. General Performance: Aluminum-framed systems shall withstand the effects of the following performance requirements without exceeding performance criteria or failure due to defective manufacture, fabrication, installation, or other defects in construction:

1. Movements of supporting structure indicated on Drawings including, but not limited to, story drift and deflection from uniformly distributed and concentrated live loads.
2. Dimensional tolerances of building frame and other adjacent construction.
3. Failure includes the following:
   a. Deflection exceeding specified limits.
   b. Framing members transferring stresses to glazing.
   c. Noise or vibration created by thermal and structural movements.
   d. Loosening or weakening of fasteners, attachments, and other components.
   e. Sealant failure.
   f. Failure of operating units.
1.5 SUBMITTALS

A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for aluminum-framed systems.

B. Shop Drawings: For aluminum-framed systems. Include plans, elevations, sections, details, and attachments to other work.
   1. Layout and installation details, including relationships to adjacent work.
   2. Elevations at 1/4 inch scale.
   3. Detail sections of typical composite members.
   4. Anchors and reinforcement.
   7. Hardware mounting heights and preparation for hardware equipment items.

C. Samples for Initial Selection: For units with factory-applied color finishes.

D. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for aluminum-framed systems, indicating compliance with performance requirements.

E. Maintenance Data: For aluminum-framed systems to include in maintenance manuals.

F. Warranties: Sample of special warranties.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of units required for this Project.

B. Engineering Responsibility: Prepare data for aluminum-framed systems, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in systems similar to those indicated for this Project.

C. Product Options: Information on Drawings and in Specifications establishes requirements for systems' aesthetic effects and performance characteristics. Aesthetic effects are indicated by dimensions, arrangements, alignment, and profiles of components and assemblies as they relate to sightlines, to one another, and to adjoining construction. Performance characteristics are indicated by criteria subject to verification by one or more methods including preconstruction testing, field testing, and in-service performance.
   1. Do not revise intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If revisions are proposed, submit comprehensive explanatory data to Architect for review.

D. Accessible Entrances: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines.

E. Source Limitations for Aluminum-Framed Systems: Obtain from single source from single manufacturer.

1.7 PROJECT CONDITIONS

A. Field Measurements: Verify actual locations of structural supports for aluminum-framed systems by field measurements before fabrication and indicate measurements on Shop Drawings.

1.8 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of aluminum-framed systems that do not comply with requirements or that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
   a. Structural failures including, but not limited to, excessive deflection.
   b. Noise or vibration caused by thermal movements.
   c. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
   d. Water leakage through fixed glazing and framing areas.
   e. Failure of operating components.

2. Warranty Period: Ten years from date of Substantial Completion.

B. Special Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components on which finishes do not comply with requirements or that fail in materials or workmanship within specified warranty period. Warranty does not include normal weathering.

1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Product: Subject to compliance with requirements, provide:

1. Kawneer Trifab Versaglaze 450 - 2" x 4 1/2" non-thermal storefront framing at interior locations to match existing aluminum storefront system.

2. Or comparable product by one of the following:
   a. EFCO Corporation.
   b. United States Aluminum.
   c. YKK AP America Inc.

2.2 MATERIALS

A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.

2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221.
4. Structural Profiles: ASTM B 308/B 308M.

2.3 FRAMING SYSTEMS

A. Framing Members: Manufacturer's extruded-aluminum framing members of thickness required and reinforced as required to support imposed loads.
   1. Glazing System: Retained mechanically with gaskets on four sides.
   2. Glazing Plane:
      a. Non-thermal storefront at interior locations: Center.

B. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with nonstaining, nonferrous shims for aligning system components.

C. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.
   1. Reinforce members as required to receive fastener threads.
   2. Use exposed fasteners with countersunk Phillips screw heads, finished to match framing system.

D. Framing System Gaskets and Sealants: Manufacturer's standard, recommended by manufacturer for joint type.

2.4 GLAZING SYSTEMS

A. Glazing: As specified in Division 08 Section "Glazing."

B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, molded or extruded, of profile and hardness required to maintain watertight seal.

C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.

D. Glazing Sealants: For structural-sealant-glazed systems, as recommended by manufacturer for joint type, and as follows:
   1. Weatherseal Sealant: ASTM C 920 for Type S, Grade NS, Class 25, Uses NT, G, A, and O; single-component neutral-curing formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structural-sealant, weatherseal-sealant, and aluminum-framed-system manufacturers for this use.

2.5 ACCESSORY MATERIALS

A. Joint Sealants: For installation at perimeter of aluminum-framed systems, as specified in Division 07 Section "Joint Sealants."

B. Provide break metal closures finished to match the storefront at column enclosures and all other locations as indicated in the Drawings, with thickness as recommended by the manufacturer for each specific application, but no less than 0.093".
2.6 FABRICATION

A. Form or extrude aluminum shapes before finishing.

B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.

C. Framing Members, General: Fabricate components that, when assembled, have the following characteristics:
   1. Profiles that are sharp, straight, and free of defects or deformations.
   2. Accurately fitted joints with ends copeed or mitered.
   3. Physical and thermal isolation of glazing from framing members.
   4. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
   5. Provisions for field replacement of glazing from interior.
   6. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.

D. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.

E. Storefront Framing: Fabricate components for assembly using screw-spline system.
   1. Provide metal end caps and frame closure accessories to provide a continuous and solid surface for adhering perimeter sealants and preformed silicon transition membranes as shown in the drawings.

F. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

2.7 ALUMINUM FINISHES

1. Finish: High-Performance Organic Finish: Two-coat Mica fluoropolymer finish complying with AAMA 2605 and containing not less than 50 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.

   2. Color: Kawneer Clear Anodic #14 Architectural Class I coating in color and finish to match existing storefront frames.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.
3.2 INSTALLATION

A. General:

1. Comply with manufacturer's written instructions.
2. Do not install damaged components.
3. Fit joints to produce hairline joints free of burrs and distortion.
4. Rigidly secure nonmovement joints.
5. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration.
6. Ensure all perimeter flashings and closures are installed as required by the drawings and approved shop drawings.
7. Seal joints watertight unless otherwise indicated.

B. Install components plumb and true in alignment with established lines and grades, and without warp or rack.

C. Install glazing as specified in Division 08 Section "Glazing."

D. Install perimeter joint sealants as specified in Division 07 Section "Joint Sealants" to produce weathertight installation at exterior Storefront systems.

3.3 ERECTION TOLERANCES

A. Install aluminum-framed systems to comply with the following maximum erection tolerances:

1. Location and Plane: Limit variation from true location and plane to 1/8 inch in 12 feet; 1/4 inch over total length.
2. Alignment:
   
   a. Where surfaces abut in line, limit offset from true alignment to 1/16 inch.
   b. Where surfaces meet at corners, limit offset from true alignment to 1/32 inch.

B. Diagonal Measurements: Limit difference between diagonal measurements to 1/8 inch.

3.4 ADJUSTING

A. Adjust door hardware to function smoothly as recommended by manufacturer.

1. For doors, adjust closers to provide a 3-second closer sweep period for doors to move from a 70-degree open position to 3 inches from the latch, measured to the leading door edge.

END OF SECTION 084113