HARRIMAN

ADDENDUM

Date May 24, 2021

To Prospective Bidders

Re Addendum No. 1 to the Construction Documents for:

UMA
Randall Welcome Center
Augusta, Maine
Project No. 21107

This Addendum forms a part of the Contract Documents and modifies the original Construction Documents dated May 14, 2021. Acknowledge receipt of this Addendum in the space provided in the Bid Form.

This Addendum consists of three pages, pre-bid attendance form, Specification Section 095113, and Drawings listed on page three.

Harriman

Mark D. Lee
Principal

PRE-BID QUESTIONS AND ANSWERS

Q1. What do you anticipate for the start date / contract signing date?

A1. Tuesday, June 8, 2021.

Q2. Will portions of the building be in use by staff and/or students during construction? If so, which areas?

A2. Yes, most areas shaded in Gray on the plan will be in use during construction. The Owner expects situations during construction where work will disrupt normal staff operations. Disruptive activity shall be coordinated in advance with the Owner.

Q3. The Allowances section refers to Division 23 and 26, but I can't find any allowances in those sections. Are there any?

A3. Section 260721 – FIRE ALARM SYSTEMS allowance under 1.1 SECTION INCLUDES paragraph.

Q4. Section 012200 is for Unit Prices. Are there any unit prices?

A4. There are no unit prices.

Q5. There are four alternates listed in the Alternate spec section but only three listed on the bid form.

A5. The Bid Form will be modified to accommodate the 4 Alternates.

Q6. Door Schedule stops with door 229. However, there are doors 231 and 232. Assume there is no work to these doors.?

A6. Correct, no work for doors 231 and 232.

CHANGES TO SPECIFICATIONS

1. SECTION 001113 – ADVERTISEMENT FOR BIDS
   a. Delete: "Bids will be received until **2:00 PM** on **June 2nd** at which time Bids will be opened and read aloud via Zoom." And replace with: "Bids will be received until **2:00 PM** on **June 4, 2021** at which time Bids will be opened and read aloud via Zoom."

2. SECTION 012200 - UNIT PRICES
   a. Delete in its entirety.

3. SECTION 095113 – ACOUSTIC PANEL CEILINGS
   a. Revised and reissued with this addendum.

4. SECTION 260721 – FIRE ALARM SYSTEMS
   a. Article 2.3, A delete and replace with the following:
      "A. Speaker/strobe: combination Speaker/Visible signals.
         1. Field selectable tap settings.
         2. The strobe maximum pulse duration shall be 2/10 of one second.
         3. Strobe intensity shall meet the requirements of UL 1971.
         4. The strobe flash rate shall meet the requirements of UL 1971.
         5. Candela ratings: Selectable 15, 30, 75, 110, with visual indicator.

6. Set strobe candela initially as shown on drawings and as recommended by the authorized technician.
7. Where drawings show 15/75, then use a fixed 15/75 or set selection at 75.
8. Where more than one strobe is visible in one location, synchronization shall be required.
9. Red face plate with white letters.
10. Flush mounted except in existing masonry walls. Where surface mounted, provide red matching back box."

CHANGES TO DRAWINGS

1. DRAWING A05.1 – FIRST FLOOR DEMOLITION PLAN
   a. Demolition Key Note D22, delete and replace with the following: REMOVE METAL SHEET FROM WALL, PATCH AND REPAIR GPDW AND PREP FOR PAINT

DRAWINGS REVISED AND REISSUED WITH THIS ADDENDUM, DATED 05-24-2021:

1. DRAWING A10-1 –FIRST FLOOR PLAN AND EXTERIOR ELEVATIONS
2. DRAWING A61-1 – ROOM FINISH SCHEDULE
3. DRAWING A70-1 –FIRST FLOOR CEILING PLAN
4. DRAWING A70-2 –SECOND FLOOR CEILING PLAN
5. DRAWING A83-2 –MILLWORK DETAILS
6. DRAWING E00-1 – ELECTRICAL SCHEDULES, NOTES AND LEGENDS
7. DRAWING E05-1 –FIRST FLOOR PLAN EXISTING CONDITIONS
8. DRAWING E05-2 – SECOND FLOOR PLAN EXISTING CONDITIONS
9. DRAWING E10-1 –FIRST FLOOR PLAN LIGHTING
10. DRAWING E10-2 –SECOND FLOOR PLAN LIGHTING
11. DRAWING E20-1 –FIRST FLOOR PLAN POWER AND SYSTEMS
12. DRAWING E20-2 –SECOND FLOOR PLAN POWER AND SYSTEMS
13. DRAWING E70-1 –ELECTRICAL DETAILS

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PRE-BID MEETING ATTENDANCE FORM

Please print legibly

Project Name: **Randall Welcome Center**
Project No.: 21107

	NAME	COMPANY	BUSINESS PHONE	E-MAIL
1.	Will Gatchell	Harriman	603-723-0878 cell	wgatchell@harriman.com
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4.	Greg Hildebrand	Nickerson & O'Day, Inc	207-989-7400	ghildebrand@nickoday.com
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7.	Robert Young	Bowman Constructors	207-368-2405	Bids@bowmanconstructors.com
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SECTION 095113 - ACOUSTICAL PANEL CEILINGS

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. This Section includes the following:
   1. Acoustical panels.
   2. Exposed suspension systems.

B. Related Sections include the following:
   1. Division 09 Section "Gypsum Board Assemblies" for suspension systems provided for gypsum board ceilings.
   2. Division 21, 22, 23, 26, and 27 Sections for coordination of air handling devices, fire protection devices, and electrical devices installed in ceiling systems. Note, Division 26 includes integrated suspension grid lighting fixture.

1.3 DEFINITIONS

A. CAC: Ceiling Attenuation Class.

B. NRC: Noise Reduction Coefficient.

1.4 SUBMITTALS

A. General: Submit in accordance with Division 01 Section "Submittal Procedures."

B. Product Data: For each type of product indicated.

C. Maintenance Data: For finishes to include in maintenance manuals.

1.5 QUALITY ASSURANCE

A. Source Limitations:
   1. Acoustical Ceiling Panel: Obtain each type through one source from a single manufacturer.
   2. Suspension System: Obtain all suspension systems through one source from a single manufacturer.

B. Fire-Test-Response Characteristics: Provide acoustical panel ceilings that comply with the following requirements:
   1. Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
      a. Flame-Spread Index: Class A according to ASTM E 1264.
      b. Smoke-Developed Index: 50 or less.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver acoustical panels, suspension system components and accessories to Project site in original, unopened packages and store them in a fully enclosed, conditioned space where they will be protected against damage from moisture, humidity, temperature extremes, direct sunlight, surface contamination, and other causes. Store materials flat.

B. Before installing acoustical panels, permit them to reach room temperature and a stabilized moisture content.

C. Handle acoustical panels carefully to avoid chipping edges or damaging units in any way.

1.7 PROJECT CONDITIONS

A. Environmental Limitations: Do not install acoustical panel ceilings until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

B. Mechanical, electrical, and other utility service installations above the ceiling plane shall have been completed prior to the installation of the ceilings.

1.8 COORDINATION

A. Coordinate layout and installation of acoustical panels and suspension system with other construction that penetrates ceilings or is supported by them, including light fixtures, HVAC equipment, fire-suppression system, and partition assemblies.

1.9 EXTRA MATERIALS

A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
   1. Acoustical Ceiling Panels: Full-size panels equal to 2.0 percent of quantity installed, but not less than one full cartons for ACT1 and ACT 2 and one full carton of A CT2.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. CertainTeed Ceilings

B. Rockfon/Chicago Metallic

C. Armstrong World Industries

D. In other Part 2 articles where titles below introduce lists, the following requirements apply for product selection:
   1. Products: Subject to compliance with requirements, provide one of the products specified.

2.2 ACOUSTICAL PANELS, GENERAL

A. Acoustical Panel Standard: Provide manufacturer's standard panels of configuration indicated that comply with ASTM E 1264 classifications as designated by types, patterns, acoustical ratings, and light reflectances, unless otherwise indicated.

B. Acoustical Panel Colors and Patterns: Match appearance characteristics indicated for each product type.
   1. Where appearance characteristics of acoustical panels are indicated by referencing pattern designations in ASTM E 1264 and not manufacturers' proprietary product designations, provide products selected by Architect from each manufacturer's full range that comply with requirements indicated for type, pattern, color, light reflectance, acoustical performance, edge detail, and size.

C. Coating-Based Antimicrobial Treatment: Provide acoustical panels with face and back surfaces coated with antimicrobial treatment consisting of manufacturer's standard formulation with fungicide added to inhibit growth of mold and mildew and showing no mold or mildew growth when tested according to ASTM D 3273.

2.3 ACOUSTIC PANELS

A. Acoustic Panel: ACT-1.
   1. Size: 24 inches x 24 inches.
   2. Thickness: Not less than 3/4-inch thick.
   3. Composition: Mineral wool fiber or stone wool.
   4. Surface Finish: Factory-applied latex paint; white.
   5. Surface Texture: Medium texture.
   6. Edge: Square.
   7. NRC Range: Not less than 0.75.
   8. CAC Range: 35.
   9. Fire Hazard Classification: Class A, 0 - 25 flame spread.
   10. Dimensional Stability: Sag resistant at high humidity.
   11. Antimicrobial Treatment: Coating based, front and back.
   12. Basis-of-Design: Subject to compliance with requirements, provide School Zone Fine Fissured No. 1714 by Armstrong World Industries, Inc. or the following:
      a. CertainTeed Ceilings; Fine Fissured High NRC, No. HHF-497 HNRC.
   13. Suspension System Type: Type A.

B. Acoustic Panel: ACT-2
   1. Size: 24 inches x 24 inches.
   2. Thickness: Not less than 7/8-inch thick.
   3. Composition: Mineral wool fiber or stone wool.
   4. Surface Finish: Factory-applied latex paint; white.
   5. Surface Texture: Fine texture.
   6. Edge: Beveled tegular.
   7. NRC Range: Not less than 0.80.
   8. CAC Range: 35.
   9. Dimensional Stability: Sag resistant at high humidity.
   10. Antimicrobial Treatment: Coating based, front and back.

11. Basis-of-Design: Subject to compliance with requirements, provide Ultima High NRC No. 1941 by Armstrong World Industries, Inc. or the following:
    a. USG Interiors, Inc.; Mars ClimaPlus High-NRC/High-CAC No. 88135.

C. Acoustic Panel: ACT-3Size: 24 inches x 24 inches.
1. Thickness: 1-inch thick.
2. Composition: Grille Maple (GMP)
3. Edge: Tegular.
4. NRC Range: Not less than 0.75
5. CAC Range: 35.
6. Fire Hazard Classification: Class A, 0 - 25 flame spread.
7. Basis-of-Design: Subject to compliance with requirements, provide Woodworks Grilles Tegular for 9/16” Suspension System by Armstrong World Industries, Inc

2.4 METAL SUSPENSION SYSTEMS, GENERAL

A. Recycled Content: Provide products made from steel sheet with average recycled content such that postconsumer recycled content plus one-half of preconsumer recycled content is not less than 25 percent.

B. Metal Suspension System Standard: Provide manufacturer's standard direct-hung metal suspension systems of types, structural classifications, and finishes indicated that comply with applicable requirements in ASTM C 635.

C. Finishes and Colors, General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes. Provide manufacturer's standard factory-applied finish for type of system indicated.
1. High-Humidity Finish: Comply with ASTM C 635 requirements for "Coating Classification for Severe Environment Performance" where high-humidity finishes are indicated.

D. Attachment Devices: Size for five times the design load indicated in ASTM C 635, Table 1, "Direct Hung," unless otherwise indicated.

E. Wire Hangers, Braces, and Ties: Provide wires complying with the following requirements:
1. Zinc-Coated Carbon-Steel Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper.
2. Size: Select wire diameter so its stress at three times hanger design load (ASTM C 635, Table 1, "Direct Hung") will be less than yield stress of wire, but provide not less than 0.106-inch- diameter wire.

F. Hold-Down Clips: Where indicated, provide manufacturer's standard hold-down clips spaced 24 inches o.c. on all cross tees.
1. Locations:
    a. In Vestibules and for a distance of 10 feet inside exterior doors without Vestibules.
    b. Where indicated.

2.5 METAL SUSPENSION SYSTEMS FOR ACOUSTICAL PANEL CEILINGS

A. Type A: Wide-Face, Capped, Double-Web, Steel Suspension System: Main and cross runners roll formed from cold-rolled steel sheet, prepainted, electrolytically zinc coated, or hot-dip

galvanized according to ASTM A 653/A 653M, not less than G30 coating designation, with prefinished 15/16-inch- wide metal caps on flanges.

1. Structural Classification: Intermediate-duty system.
2. End Condition of Cross Runners: Override (stepped) or butt-edge type, as standard with manufacturer.
3. Face Design: Flat, flush.
4. Cap Material: Steel cold-rolled sheet.
5. Cap Finish: Painted white.
6. Locations: For all suspended acoustical ceilings.
7. Products:
    a. Armstrong World Industries, Inc.; Prelude XL Exposed Tee System, 7300 Series.
    b. Chicago Metallic Corporation; 1200 System.
    c. CertainTeed Ceilings

B. Type B: Wide-Face, Aluminum Capped, Double-Web, Hot-Dip Galvanized, G60, Steel Suspension System: Main and cross runners roll formed from cold-rolled steel sheet, hot-dip galvanized according to ASTM A 653/A 653M, G60 coating designation, with prefinished, cold-rolled, 15/16-inch- wide, aluminum caps on flanges.

1. Structural Classification: Intermediate-duty system.
2. Face Design: Flat, flush.
3. Face Finish: Painted white.
4. Locations: For use with ACT-3.
5. Products:
    a. Armstrong World Industries, Inc.; Prelude XL, 7301WA Series.
    b. Chicago Metallic Corporation; Fire Front 1830 System.
    c. CertainTeed Ceilings.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, including structural framing to which acoustical panel ceilings attach or abut, with Installer present, for compliance with requirements specified in this and other Sections that affect ceiling installation and anchorage and with requirements for installation tolerances and other conditions affecting performance of acoustical panel ceilings.

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

3.2 PREPARATION

A. Measure each ceiling area and establish layout of acoustical panels to balance border widths at opposite edges of each ceiling. Avoid using less-than-half-width panels at borders, and comply with layout shown on reflected ceiling plans.

3.3 INSTALLATION, GENERAL

A. General: Install acoustical panel ceilings to comply with ASTM C 636 and seismic requirements indicated, per manufacturer's written instructions and CISCA's "Ceiling Systems Handbook."

B. Suspend ceiling hangers from building's structural members and as follows:
   1. Hangers shall be single lengths of wire without splices; coordinate lengths in deep ceiling cavities.
   2. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structure or of ceiling suspension system.
   3. Splay hangers only where required to miss obstructions; offset resulting horizontal forces by bracing, countersplaying, or other equally effective means.
   4. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with location of hangers at spacings required to support standard suspension system members, install supplemental suspension members and hangers in form of trapezes or equivalent devices. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced standards and publications.
   5. Secure wire hangers to ceiling suspension members and to supports above with a minimum of three tight turns. Connect hangers directly either to structures or to inserts, eye screws, or other devices that are secure and appropriate for substrate and that will not deteriorate or otherwise fail due to age, corrosion, or elevated temperatures.
   6. Do not attach hangers to steel roof deck. Attach hangers to structural members.
   7. Space hangers not more than 48 inches o.c. along each member supported directly from hangers, unless otherwise indicated; provide hangers not more than 8 inches from ends of each member.
   8. Exposed pop rivets for grid alignment purposes shall not be permitted.
   9. Incorporate integrated suspension grid light by JLC Tech, identified in the Electrical drawings as fixture type H. See Electrical Lighting Plan for locations of specialized grid (part of Alternate #4).

C. Suspension system shall be reinforced to support diffusers, light fixtures and any additional members. Install hanger wires to grid at each corner of light fixtures. Coordinate location with electrical and other trades.
   1. Each individual fixture and attachment with combined weight of 56 pounds or less shall have two 12-gage wire hangers attached at diagonal corners of the fixture. These wires shall be slack. Fixtures and attachments with a combined weight of greater than 56 pounds shall be independently supported from the structure at all four corners.

D. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal edges of acoustical panels.
   1. Screw attach moldings to substrate at intervals not more than 16 inches o.c. and not more than 3 inches from ends, leveling with ceiling suspension system to a tolerance of 1/8 inch in 12 feet. Miter corners accurately and connect securely.
   2. Do not use exposed fasteners, including pop rivets, on moldings and trim.

E. Install suspension system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members.

F. Install acoustical panels with undamaged edges and fit accurately into suspension system runners and edge moldings. Scribe and cut panels at borders and penetrations to provide a neat, precise fit.
   1. Arrange directionally patterned acoustical panels to run in the same direction.
   2. For square-edged panels, install panels with edges fully hidden from view by flanges of suspension system runners and moldings.

3. Paint cut edges of panel remaining exposed after installation; match color of exposed panel surfaces using coating recommended in writing for this purpose by acoustical panel manufacturer.
4. Install hold-down clips in Vestibules, for a distance of 10 feet inside exterior doors without Vestibules, and at areas indicated; and in areas required by authorities having jurisdiction; space as recommended by panel manufacturer's written instructions, unless otherwise indicated.

3.4 CLEANING

A. Clean exposed surfaces of acoustical panel ceilings, including trim, edge moldings, and suspension system members. Comply with manufacturer's written instructions for cleaning and touchup of minor finish damage. Remove and replace ceiling components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

END OF SECTION 095113