PROJECT IDENTIFICATION

Project

Renovations to Midland County Administrative Services Building Architect's Project Number 20220400

Architect

Archiverde Design, LLC 2720 Rodd Street Midland, MI 48640

INSTRUCTIONS

Purpose

This addendum forms a part of the Contract Documents and is issued to modify the Bidding Documents.

Procedure

Bidders shall verify that sub-bidders have included addendum items in their sub-bids.

The Bid shall include all items modified by this addendum.

Bidders shall acknowledge receipt of this addendum in the space provided on the bid form.

DRAWINGS

The following drawings are issued as a part of this addendum: N/A

ADDENDUM ITEMS

Architectural

Item A1

Refer to specification Section 001100 – Table of Contents, not reissued with this Addendum:

A. Add section 104400 – Fire Protection Specialties.

Item A2

Refer to specification Section 004110 – Bid Form, reissued with this Addendum:

A. Revised bid form to add space for more Addendums.

Item A3

Refer to specification Section 093000 – Tiling, reissued with this Addendum:

A. Revised tiles CT-1 and CT-2 to correspond with interior elevations.

Item A4

Refer to specification Section 104400 – Fire Protection Specialties, issued with this Addendum:

A. Add section 104400 – Fire Protection Specialties.

Item A5

Refer to drawings D2.2, D2.3, A2.2, and A2.3, not reissued with this Addendum:

A. All existing fire extinguishers and cabinets are to be removed and replaced with new. Refer to specification section 104400 – Fire Protection Specialties.

Item A6

Refer to drawings A8.2, A8.3, and A8.4, not reissued with this Addendum:

A. In all toilet room elevations, add one row of 4x12 CT-1 bullnose wall tile above the 2x2 CT-2 accent band.

---END OF ADDENDUM---

SECTION 004100 BID FORM

IHE	PRU	DJECT AND THE PARTIES
1.01	то	:
	A.	Owner The County of Midland, Michigan, Public Body Corporate 220 West Ellsworth Street Midland, Michigan 48640
1.02	FO	R:
	A.	Project: Renovations To Midland County Administrative Services Building
	B.	Architect's Project Number: 20220400 220 W. Ellsworth Street Midland, Michigan 48640
1.03	DA	TE: (BIDDER TO ENTER DATE)
1.04 SUBMITTED BY: (BIDDER TO ENTER NAM		BMITTED BY: (BIDDER TO ENTER NAME AND ADDRESS)
	A.	Bidder's Full Name
1.05	OF	
	A.	Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Bid Documents prepared by for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the Sum of:
	B.	
		(\$), in lawful money of the United States of America.
	C.	We have included the required security deposit as required by the Instruction to Bidders.
	D.	We have included the required performance assurance bonds in the Bid Amount as required by the Instructions to Bidders.
1.06	ΑD	JUSTMENTS TO THE BID
	A.	Alternates 1. The following Alternates may be added to or deducted from the Base Bid:
		Alternate No. 1 add \$ deduct \$

1.07 ACCEPTANCE

- A. This offer shall be open to acceptance and is irrevocable for thirty days from the bid closing date.
- B. If this bid is accepted by Owner within the time period stated above, we will:
 - Execute the Agreement within seven days of receipt of Notice of Award.
 - Furnish the required bonds within seven days of receipt of Notice of Award.
- C. If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required Bond(s), the security deposit shall be forfeited as damages to Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.
- D. In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to

Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time. 1.08 CONTRACT TIME A. Complete the Work in ____ calendar weeks from Notice to Proceed. (Bidder to enter number of weeks.) 1.09 UNIT PRICES A. The following are Unit Prices for specific portions of the Work as listed. The following is the list of Unit Prices: B. ITEM DESCRIPTION - UNIT QUANTITY - UNIT PRICE - ITEM VALUE New "EX" light fixture - _____ - \$ ______ - \$ 1.10 CHANGES TO THE WORK A. When Architect establishes that the method of valuation for Changes in the Work will be net cost plus a percentage fee in accordance with General Conditions, our percentage fee will be: 1. _____ percent overhead and profit on the net cost of our own Work; percent on the cost of work done by any Subcontractor. B. On work deleted from the Contract, our credit to Owner shall be Architect-approved net cost plus _____ of the overhead and profit percentage noted above. 1.11 ADDENDA A. The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum. Addendum # _____ Dated ____ Addendum # ______ Dated ______. Addendum # ______ Dated ______. Addendum # _____ Dated _____. Addendum # ______ Dated ______. Addendum # Dated . Addendum # Dated . Dated . Addendum # 1.12 BID FORM SIGNATURE(S) A. The Corporate Seal of B. _ C. (Bidder - print the full name of your firm) D. was hereunto affixed in the presence of: E.

1.13 IF THE BID IS A JOINT VENTURE OR PARTNERSHIP, ADD ADDITIONAL FORMS OF EXECUTION FOR EACH MEMBER OF THE JOINT VENTURE IN THE APPROPRIATE FORM OR FORMS AS ABOVE.

END OF SECTION

G. (Seal)

F. (Authorized signing officer, Title)

(Authorized signing officer, Title)

SECTION 093000 TILING

PART 1 GENERAL

1.01 SECTION INCLUDES

- Tile for floor applications.
- B. Tile for wall applications.
- C. Cementitious backer board as tile substrate.
- D. Stone thresholds.
- E. Ceramic accessories.
- F. Ceramic trim.
- G. Non-ceramic trim.

1.02 RELATED REQUIREMENTS

- A. Section 079200 Joint Sealants: Sealing joints between tile work and adjacent construction and fixtures.
- B. Section 092116 Gypsum Board Assemblies: Tile backer board.

1.03 REFERENCE STANDARDS

- A. ANSI A108/A118/A136 American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 2019.
- B. ANSI A108.1a American National Standard Specifications for Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar; 2017 (Reaffirmed 2022).
- C. ANSI A108.1b Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set, Modified Dry-Set, or Improved Modified Dry-Set Cement Mortar; 2023.
- D. ANSI A108.1c Contractor's Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set, Modified Dry-Set, or Improved Modified Dry-Set Cement Mortar; 2023.
- E. ANSI A108.2 American National Standard General Requirements: Materials, Environmental and Workmanship: 2019.
- F. ANSI A108.4 American National Standard Specifications for Installation of Ceramic Tile with Organic Adhesive or Water Cleanable Tile-Setting Epoxy Adhesive; 2023.
- G. ANSI A108.5 Setting of Ceramic Tile with Dry-Set Cement Mortar, Modified Dry-Set Cement Mortar, EGP (Exterior Glue Plywood) Modified Dry-Set Cement Mortar, or Improved Modified Dry-Set Cement Mortar; 2023.
- H. ANSI A108.6 American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grout Epoxy; 2023.
- I. ANSI A108.8 American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout; 1999 (Reaffirmed 2019).
- J. ANSI A108.9 American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout; 2023.
- K. ANSI A108.10 American National Standard Specifications for Installation of Grout in Tilework; 2017 (Reaffirmed 2022).
- L. ANSI A108.11 American National Standard Specifications for Interior Installation of Cementitious Backer Units; 2018.
- M. ANSI A108.12 Installation of Ceramic Tile with EGP (Exterior Glue Plywood) Modified Dry-Set Mortar; 2023.

- N. ANSI A108.13 American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone; 2005 (Reaffirmed 2021).
- O. ANSI A108.19 American National Standard Specifications for Interior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs by the Thin-Bed Method Bonded with Modified Dry-Set Cement Mortar or Improved Modified Dry-Set Cement Mortar; 2020.
- P. ANSI A108.20 American National Standard Specifications for Exterior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs; 2020.
- Q. ANSI A118.3 American National Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive; 2021.
- R. ANSI A118.9 American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units; 2019.
- S. ANSI A118.12 American National Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation; 2014 (Reaffirmed 2019).
- T. ANSI A118.15 American National Standard Specifications for Improved Modified Dry-Set Cement Mortar; 2019.
- U. ANSI A137.1 American National Standard Specifications for Ceramic Tile; 2022.
- V. ASTM C373 Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products; 2018 (Reapproved 2023).
- W. TCNA (HB) Handbook for Ceramic, Glass, and Stone Tile Installation; 2023.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by affected installers.

1.05 SUBMITTALS

- A. See Section 013000 Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.
- C. Shop Drawings: Indicate tile layout, patterns, color arrangement, perimeter conditions, junctions with dissimilar materials, control and expansion joints, thresholds, ceramic accessories, and setting details.
- D. Samples: Mount tile and apply grout on two plywood panels, minimum 18 by 18 inches (457 by 457 mm) in size illustrating pattern, color variations, and grout joint size variations.
- E. Installer's Qualification Statement:
 - Submit documentation of National Tile Contractors Association (NTCA) or Tile Contractors' Association of America (TCAA) accreditation.
- F. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 016000 Product Requirements, for additional provisions.
 - 2. Extra Tile: 1 percent of each size, color, and surface finish combination, but not less than 10 of each type.

1.06 QUALITY ASSURANCE

A. Maintain one copy of ANSI A108/A118/A136 and TCNA (HB) on site.

- B. Installer Qualifications: Natural Stone Institute (NSI) Accredited Commercial B Contractor (light commercial): www.naturalstoneinstitute.org/#sle.
- C. Installer Qualifications:
 - Company specializing in performing tile installation, with minimum of five years of documented experience.
 - Installer Certification:
 - a. Ceramic Tile Education Foundation (CTEF): Certified Tile Installer (CTI).

1.07 DELIVERY, STORAGE, AND HANDLING

A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.08 FIELD CONDITIONS

- A. Do not install solvent-based products in an unventilated environment.
- B. Maintain ambient and substrate temperature above 50 degrees F (10 degrees C) and below 100 degrees F (38 degrees C) during installation and curing of setting materials.

PART 2 PRODUCTS

2.01 TILE

- A. Manufacturers: As scheduled .
- B. Glazed Wall Tile, Type CT-1: ANSI A137.1 standard grade.
 - Moisture Absorption: 7.0 to 20.0 percent as tested in accordance with ASTM C373.
 - 2. Size: 4 by 12 inch (10 mm by 30 mm) nominal.
 - 3. Edges: Cushioned.
 - 4. Surface Finish: High gloss.
 - 5. Manufacturer: Crossville, Inc.
 - 6. Distributor: Virginia Tile, Robin Chamberlain-Speer, Phone: (734)765-6875, Email: robin.speer@virginiatile.com
 - 7. Collection: "Color by Numbers"
 - 8. Color(s): "Overture".
 - 9. Pattern: Brick. See interior elevations.
 - 10. Trim Units: Matching bead, bullnose, cove, and base shapes in sizes coordinated with field tile.
- C. Porcelain Tile, Type CT-2: ANSI A137.1 standard grade.
 - 1. Moisture Absorption: 0 to 0.5 percent as tested in accordance with ASTM C373.
 - 2. Size: 12 by 24 inch (305 by 610 mm), nominal on floors.
 - 3. Size; 2 by 2 inch (5 by 5 mm) mozaic, nominal as wall acccent.
 - 4. Thickness: 3/8 inch (9 mm).
 - 5. Edges: Square.
 - 6. Surface Finish: Non-slip.
 - 7. Color(s): To be selected by Architect from manufacturer's standard range.
 - 8. Manufacturer: Atlas Concorde USA
 - 9. Distributor: Genesse Tile, Bill Kohn Phone: (989)205-6600, Email: bill.kohn@gctile.com
 - 10. Collection: "Cove Terra"
 - 11. Color(s): "Grav".
 - 12. Pattern: Brick for floor installation. See drawing A6.1.

2.02 TRIM AND ACCESSORIES

- A. Ceramic Trim: Matching bullnose, double bullnose, cove base, and cove ceramic shapes in sizes coordinated with field tile.
 - 1. Applications:
 - a. Open Edges: Bullnose.
 - b. Floor to Wall Joints: 6x6 Cove base.
 - Manufacturers: Same as for tile.

- B. Non-Ceramic Trim: Satin natural anodized extruded aluminum, style and dimensions to suit application, for setting using tile mortar or adhesive.
 - Applications:
 - a. Open edges of floor tile.
 - b. Transition between floor finishes of different heights.
 - 2 Manufacturers:
 - a. Schluter-Systems: www.schluter.com/#sle.
 - b. Substitutions: See Section 016000 Product Requirements.
- C. Thresholds: 2 inches (51 mm) wide by full width of wall or frame opening; beveled edge on both long edges; without holes, cracks, or open seams.
 - 1. Thickness: 1/2 inch (12.7 mm).
 - 2. Material: Marble, honed finish.
 - 3. Applications:
 - a. At doorways where tile terminates.

2.03 SETTING MATERIALS

- A. Manufacturers:
 - 1. ARDEX Engineered Cements: www.ardexamericas.com/#sle.
 - 2. Bostik Inc: www.bostik-us.com/#sle.
 - 3. H.B. Fuller Construction Products, Inc: www.tecspecialty.com/#sle.
 - 4. LATICRETE International, Inc: www.laticrete.com/#sle.
 - 5. Substitutions: See Section 016000 Product Requirements.
- B. Improved Latex-Portland Cement Mortar Bond Coat: ANSI A118.15.
 - 1. Applications: Use this type of bond coat where Large and Heavy Tile (LHT) mortar is indicated.
- C. Water Based Adhesive: Multi-purpose type mastic.
 - 1. Applications: Wall tile.
 - 2. Products:
 - a. LATICRETE International, Inc.; 253 Gold.
 - b. Substitutions: See Section 016000 Product Requirements.

2.04 GROUTS

- A. Provide setting and grout materials from same manufacturer.
- B. Epoxy Grout: ANSI A118.3 chemical resistant and water-cleanable epoxy grout.
 - 1. Applications: Toilet room walls and floors.
 - 2. Color(s): As selected by Architect from manufacturer's full line.
 - 3. Products:
 - a. ARDEX Engineered Cements; ARDEX WA: www.ardexamericas.com/#sle.
 - b. Bostik Inc; "Neverseal": www.bostik-us.com/#sle.
 - c. H.B. Fuller Construction Products, Inc; TEC AccuColor EFX Epoxy Special Effects Grout: www.tecspecialty.com/#sle.
 - d. LATICRETE International, Inc; LATICRETE SPECTRALOCK PRO Premium Grout: www.laticrete.com/#sle.

2.05 MAINTENANCE MATERIALS

A. Grout Release: Temporary, water-soluble pre-grout coating.

2.06 ACCESSORY MATERIALS

- A. Concrete Floor Slab Crack Isolation Membrane: Material complying with ANSI A118.12; not intended as waterproofing.
 - 1. Crack Resistance: No failure at 1/8 inch (3.2 mm) gap, minimum.
 - 2. Fluid or Trowel Applied Type:
 - a. Material: Synthetic rubber or Acrylic.

- b. Thickness: 20 mils (0.5 mm), maximum.
- c. Products:
 - H.B. Fuller Construction Products, Inc; TEC HydraFlex Waterproofing Crack Isolation Membrane: www.tecspecialty.com/#sle.
 - 2) LATICRETE International, Inc; LATICRETE Blue 92 Anti-Fracture Membrane: www.laticrete.com/#sle.
 - 3) Merkrete, by Parex USA, Inc; Merkrete Fracture Guard: www.merkrete.com/#sle.
- B. Backer Board: Cementitious type complying with ANSI A118.9; high density, glass fiber reinforced, 7/16 inch (11 mm) thick; 2 inch (51 mm) wide coated glass fiber tape for joints and corners.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
- C. Verify that subfloor surfaces are dust free and free of substances that could impair bonding of setting materials to subfloor surfaces.
- D. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Protect surrounding work from damage.
- B. Vacuum clean surfaces and damp clean.
- Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
- D. Install backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of setting material to a feather edge.
- E. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

3.03 INSTALLATION - GENERAL

- A. Install tile, thresholds, and stair treads and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.20, manufacturer's instructions, and TCNA (HB) recommendations.
- B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
- E. Form internal angles square and external angles bullnosed.
- F. Install non-ceramic trim in accordance with manufacturer's instructions.
- G. Install thresholds where indicated.
- H. Sound tile after setting. Replace hollow sounding units.
- I. Keep control and expansion joints free of mortar, grout, and adhesive.
- J. Prior to grouting, allow installation to completely cure; minimum of 48 hours.
- K. Grout tile joints unless otherwise indicated. Use standard grout unless otherwise indicated.

L. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.

3.04 INSTALLATION - FLOORS - THIN-SET METHODS

- A. Over interior concrete substrates, install in accordance with TCNA (HB) Method F113, dry-set or latex-Portland cement bond coat, with standard grout, unless otherwise indicated.
 - 1. Use uncoupling membrane under all tile unless other underlayment is indicated.
 - 2. Where epoxy or furan grout is indicated, but not epoxy or furan bond coat, install in accordance with TCNA (HB) Method F115.
- B. Install tile-to-tile floor movement joints in accordance with TCNA (HB) Method EJ171F.

3.05 INSTALLATION - WALL TILE

A. Over cementitious backer units on studs, install in accordance with TCNA (HB) Method W244.

3.06 CLEANING

A. Clean tile and grout surfaces.

3.07 PROTECTION

A. Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

SECTION 104400 FIRE PROTECTION SPECIALTIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fire extinguishers.
- B. Fire extinguisher cabinets.
- C. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section 061000 Rough Carpentry: Wood blocking product and execution requirements.
- B. Section 092116 Gypsum Board Assembiles: Roughed-in wall openings.

1.03 REFERENCE STANDARDS

- A. ASTM E814 Standard Test Method for Fire Tests of Penetration Firestop Systems; 2023a.
- B. NFPA 10 Standard for Portable Fire Extinguishers; 2022.

1.04 SUBMITTALS

- A. See Section 013000 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide extinguisher operational features.
- C. Shop Drawings: Indicate locations of cabinets and cabinet physical dimensions.
- D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.

1.05 FIELD CONDITIONS

A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

PART 2 PRODUCTS

2.01 FIRE EXTINGUISHERS

- A. Fire Extinguishers General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
- B. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gauge.
 - 1. Class: A:B:C type.
 - 2. Size: 2.5 pound (1.13 kg).
 - 3. Finish: Baked polyester powder coat, color.
 - 4. Temperature range: Minus 40 degrees F (Minus 40 degrees C) to ____ degrees F (____ degrees C).

2.02 FIRE EXTINGUISHER CABINETS

- A. Fire Rating: Listed and labeled in accordance with ASTM E814 requirements for fire resistance rating of walls where being installed.
- B. Cabinet Construction: Non-fire rated.
 - 1. Formed primed steel sheet; 0.036 inch (0.9 mm) thick base metal.
- C. Fire Rated Cabinet Construction: One-hour fire rated.
 - Steel; double wall or outer and inner boxes with 5/8 inch (15.9 mm) thick fire barrier material.
- D. Cabinet Configuration: Recessed type.
 - 1. Size to accommodate accessories.
 - 2. Trim: Flat square edge.

- E. Door: 0.036 inch (0.9 mm) metal thickness, reinforced for flatness and rigidity with nylon catch. Hinge doors for 180 degree opening with two butt hinges.
- F. Door Glazing: Acrylic plastic, clear, 1/8 inch (3 mm) thick, flat shape and set in resilient channel glazing gasket.
- G. Cabinet Mounting Hardware: Appropriate to cabinet, with pre-drilled holes for placement of anchors.
- H. Fabrication: Weld, fill, and grind components smooth.
- I. Finish of Cabinet Interior: Match PT-1.

2.03 ACCESSORIES

- A. Extinguisher Brackets: Formed steel, chrome-plated.
- B. Lettering: "FIRE EXTINGUISHER" decal, or vinyl self-adhering, prespaced black lettering in accordance with authorities having jurisdiction (AHJ).

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify rough openings for cabinet are correctly sized and located.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Secure rigidly in place.
- C. Place extinguishers in cabinets.

END OF SECTION