

ADDENDUM NO. 2

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

Construct Classroom Addition
Fort Leonard Wood Readiness Center
Fort Leonard Wood, MO
PROJECT NO.: T2042-01

Bid Opening Date: 1:30 PM, July 13th, 2023 (UNCHANGED)

Revised Proposed Subcontractor Form is attached. Bidders must use the Proposed Subcontractor Form marked REVISED PER ADDENDUM #1 to bid this project.

Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

1. Section 004336 – Proposed Subcontractors

- a. REPLACE with revised Section 004336 – Proposed Subcontractors (attached).
Section 004336 – Proposed Subcontractors

Please be advised that all manufacturers or material suppliers required to be identified on the Proposed Subcontractors form, Section 004336, must be an approved manufacturer or material supplier as outlined in the bid specifications or in a written addenda in accordance with Section 4.0 of the Instructions to Bidders. Any bids received listing an unapproved manufacturer or material supplier will be considered non-responsive and shall be rejected.

2. Section 072113 – Board Insulation:

- a. ADD entire specification section.

3. Section 133419 – Metal Building Systems:

- b. ADD Paragraph 2.1, A, 4. SBI Metal Buildings & Components.
- c. MODIFY Paragraph 2.10, G as follows:

Snow Bars: Provide snow bars where indicated on drawings equal to Snoblox-Snojax “ColorRail” or Apline SnowGuards “SnowMax”, 6061-T6 aluminum bar powder coated to match the roof panels. 12 ga. One-piece stainless steel clamps with two “cup tipped” stainless steel set screws are provided at each roof seam.

DRAWING CHANGES:

1. Sheet G002:

- a. ADD Note 7 to General Notes as follows:

CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY PROVIDER FOR ALL WORK REQUIRED TO BE PERFORMED BY THE UTILITY. CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH WORK PERFORMED BY THE LOCAL UTILITY PROVIDER.

2. Sheet A301:

- a. CHANGE roof rigid insulation keynote from 133419.31 to 133419.16, which reads as follows:
- 2" THICK, MIN. R-13 RIGID INSULATION, TAPE & SEAL ALL JOINTS.

ATTACHMENTS:

1. REVISED PROPOSED SUBCONTRACTORS
2. Section 072113 – Board Insulation
3. Sheet A301, BUILDING SECTIONS

GENERAL COMMENTS:

1. Bidders desiring to perform a site inspection should contact Joseph Schaefer (573) 690-4945 to schedule a time to enter the facility.
2. Please contact Paul Girouard, Contract Specialist, at (573) 751-4797, Paul.girouard@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
3. The deadline for technical questions was **noon on July 5th, 2023.**
4. **Changes to, or clarification of, the bid documents are only made as issued in the addenda.**
5. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
6. Current Planholders list is available online at: <https://www.oafmdcplanroom.com/jobs/2021/plan-holders/t2042-01-construct-classroom-addition-regional-training-site-maintenance-rtm>
7. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, (573) 446-7768 to get plans and specifications.
8. **All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled including an amount for the alternate. Failure to do so will result in rejection of the bid.**
9. **MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.**

10. Alternate amounts shall be entered as the amount associated with the listed alternate and should not include the base bid amount.

July 6, 2023

END ADDENDUM NO. 2

REVISED PER ADDENDUM #1

SECTION 004336 – PROPOSED SUBCONTRACTORS

Project Number: T2042-01

1.0 CONTRACTOR/SUBCONTRACTOR/MANUFACTURER/ SUPPLIER LIST

- A. For each category listed below, identify the subcontractor(s) who will perform the specified work and/or the manufacturer/supplier for the specified material or equipment, as applicable. If you plan to use your own employees to do any portion of the work, list yourself. If more than one firm will perform work in one category, you must identify both firms.
- B. After bid opening, no substitutions of the subcontractors, manufactures or suppliers listed below will be allowed except in accordance with Section 007200 – General Conditions, Article 3.1 and/or Article 3.7, as applicable.
- C. All manufacturers or suppliers required to be identified below must be an approved manufacturer or supplier as outlined in the bid specifications or in a written addenda in accordance with Section 4.0 of the Instructions to Bidders.
- D. If any category or work identified below is left vacant or if an unapproved manufacturer or supplier is listed, the bid shall be deemed non-responsive and shall be rejected.**
- E. The Bidder hereby certifies that the following will be used in the performance of the work:

| DESCRIPTION OF WORK | SPECIFICATION DIVISION OR SECTION(S) | NAME OF FIRM FOR BASE BID WORK |
|-------------------------|--------------------------------------|--------------------------------|
| Metal Building Supplier | Division 13 | |
| Plumber | Division 22 | |
| HVAC Installer | Division 23 | |
| Electrician | Division 26 | |

SECTION 072113 - BOARD INSULATION

PART 1 GENERAL

1.1 SECTION INCLUDES

- A Board insulation in perimeter foundation wall, underside of floor slabs, and exterior wall and roof construction.

1.2 RELATED REQUIREMENTS

- A Section 133419 - Metal Building Systems.

1.3 REFERENCE STANDARDS

- A ASTM C578 - Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation 2022.
- B ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board 2022.
- C ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2021a.

1.4 SUBMITTALS

- A See Section 013300 - Submittals.
- B Product Data: Provide data on product characteristics, performance criteria, and product limitations.
- C ABAA Field Quality Control Submittals: Submit third-party reports of testing and inspection required by ABAA QAP.

1.5 FIELD CONDITIONS

- A Do not install insulation adhesives when temperature or weather conditions are detrimental to successful installation.

PART 2 PRODUCTS

2.1 APPLICATIONS

- A Insulation Under Concrete Slabs: Extruded polystyrene (XPS) board.

- B Insulation at Perimeter of Foundation: Extruded polystyrene (XPS) board.
- C Insulation Over Metal Wall Girts, Continuous: Polyisocyanurate board.
- D Insulation Over Roof Purlins: Polyisocyanurate board.

2.2 FOAM BOARD INSULATION MATERIALS

- A Extruded Polystyrene (XPS) Board Insulation: Comply with ASTM C578 with either natural skin or cut cell surfaces.
 - 1. Type and Compressive Resistance: Type IV, 25 psi (173 kPa), minimum.
 - 2. Flame Spread Index (FSI): Class A - 0 to 25, when tested in accordance with ASTM E84.
 - 3. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
 - 4. Type and Thermal Resistance, R-value (RSI-value): Type IV, 5.0 (0.88), minimum, per 1 inch (25.4 mm) thickness at 75 degrees F (24 degrees C) mean temperature.
- B Polyisocyanurate (ISO) Board Insulation: Rigid cellular foam, comply with ASTM C1289.
 - 1. Classifications:
 - a. Type I: Faced with aluminum foil on both major surfaces of the core foam.
 - (1) Class 1 - Non-reinforced core foam.
 - (2) Compressive Strength: 16 psi (110 kPa), minimum.
 - (3) Thermal Resistance, R-value (RSI-value): At 2 inches (50.8 mm) thick; 13.0 (2.29), minimum, at 75 degrees F (24 degrees C).
 - 2. Flame Spread Index (FSI): Class A - 0 to 25, when tested in accordance with ASTM E84.
 - 3. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
 - 4. Board Thickness: 2.0 inch (50 mm).

2.3 ACCESSORIES

- A Tape: Reinforced polyethylene film with acrylic pressure sensitive adhesive.
 - 1. Application: Sealing of interior circular penetrations, such as pipes or cables.
 - 2. Width: Are required for application.
- B Tape joints of rigid insulation in accordance with roofing and insulation manufacturers' instructions.

- C Insulation Fasteners: Appropriate for purpose intended and approved by metal building manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A Verify that substrate, adjacent materials, and insulation materials are dry and that substrates are ready to receive insulation.
- B Verify substrate surfaces are flat, free of irregularities or materials or substances that may impede adhesive bond.

3.2 BOARD INSTALLATION AT FOUNDATION PERIMETER

- A Install boards horizontally on foundation perimeter.
- B Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.

3.3 BOARD INSTALLATION AT EXTERIOR WALLS

- A Install boards horizontally on walls.
- B Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.
- C Tape insulation board joints.

3.4 BOARD INSTALLATION UNDER CONCRETE SLABS

- A Place insulation under slabs on grade after base for slab has been compacted.
- B Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.
- C Prevent insulation from being displaced or damaged while placing vapor retarder and placing slab.

3.5 BOARD INSTALLATION OVER ROOF PURLINS

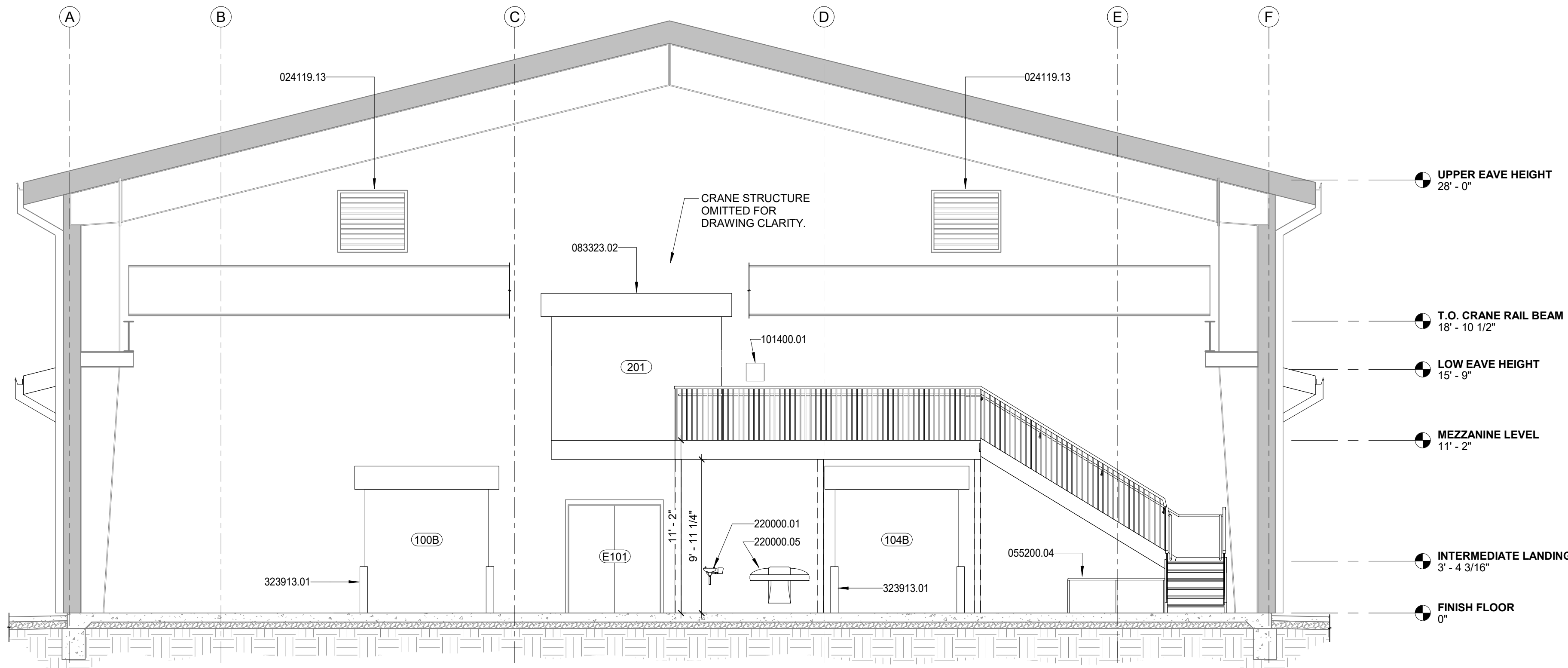
- A Board Installation Over Roof Purlins, General:
 - 1. Fasten insulation to purlins in accordance with roofing manufacturer's written instructions.
 - 2. Do not apply more insulation than can be covered with roofing on the same day.

END OF SECTION 072113

| VALUE | DESCRIPTION |
|-----------|---|
| 024119.13 | EXISTING EXHAUST FAN TO REMAIN |
| 033000.01 | 5" THICK CONCRETE SLAB, SEE STRUCTURAL |
| 054000.01 | 3625162-33 MTL STUDS AT 16" O.C. UP TO UNDERSIDE OF DECK |
| 055200.04 | FLOOR-MOUNTED RAILING |
| 072100.01 | 2" PERIMETER INSULATION ON INSIDE FACE OF FOUNDATION WALL UP TO SLAB - 2'-0" HORIZ. & VERT. |
| 072600.01 | 10 MIL. POLYETHYLENE VAPOR RETARDER |
| 077253.01 | RIB MOUNTED SNOW GUARDS TO MATCH EXISTING |
| 083323.02 | 8'-0" x 8'-0" OVERHEAD COILING DOOR FOR FORKLIFT ACCESS |
| 092900.01 | 5/8" GYPSUM BOARD UP TO UNDERSIDE OF ROOF DECK |
| 092900.02 | GYPSUM BOARD AND STUD COLUMN SURROUND (BEYOND) TO 12'-6" ABOVE FINISH FLOOR |
| 096500.01 | WALL BASE - SEE INTERIOR FINISH SCHEDULE |
| 101400.01 | 14" x 14" LOAD RATING SIGNAGE, TOP OF SIGN MAX. 5'-0" AFF |
| 133419.01 | 24 GA. PRE-FINISHED, STANDING RIB METAL ROOF PANELS (MATCH EXISTING) |
| 133419.02 | P.E.M.B. ROOF PURLINS |
| 133419.03 | P.E.M.B. EAVE STRUT |
| 133419.04 | P.E.M.B. CANOPY SYSTEM w/ RAFTER PROJECTIONS BOLTED ON TO TOP OF RIGID FRAME RAFTERS - CANOPY/PURLINS/STRUTS TO BE INSTALLED BETWEEN RAFTER PROJECTIONS |
| 133419.05 | P.E.M.B. CANOPY SYSTEM EAVE STRUT |
| 133419.06 | ROOF PANEL CLIP |
| 133419.07 | 7/8" MTL FURRING CHANNELS AT 16" O.C. (MAX.) SCREWED UP INTO 3-5/8" MTL STUD FRAMING AT 24" O.C. |

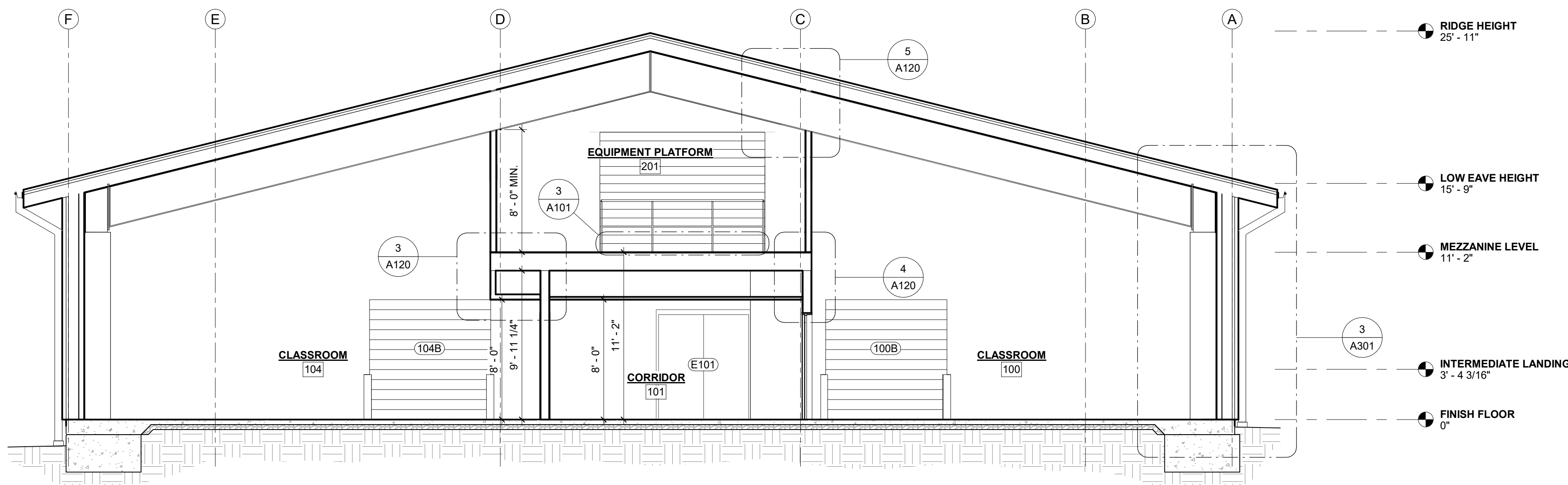
| VALUE | DESCRIPTION |
|-----------|--|
| 133419.08 | 50% VENTED PRE-FINISHED METAL SOFFIT PANELS - SET AS HIGH AS POSSIBLE UP AGAINST BOT. OF CANPY EAVE STRUT |
| 133419.09 | CLOSURE STRIP AND SEALANT BY P.E.M.B. SUPPLIER |
| 133419.10 | SOLID WOOD BLOCKING TO MATCH INSULATION THICKNESS |
| 133419.11 | PRE-FIN. SHT MTL FASCIA TRIM UP BEHIND GUTTER AND BACK UNDER ROOFING |
| 133419.12 | PRE-FIN. SHT MTL "SCULPTURED" GUTTER AND PLAIN RECT. DOWNSPOUT BY P.E.M.B. SUPPLIER |
| 133419.13 | 3" DEEP, CONCEALED FASTENER, PRE-FINISHED P.E.M.B. EXTERIOR METAL WALL PANELS |
| 133419.14 | MTL PANEL TOP J-TRIM BY MTL PANEL MFR UP TIGHT AGAINST BOT. OF SOFFIT |
| 133419.15 | P.E.M.B. PRE-FIN. MTL BASE TRIM w/ DRIP EDGE TO EXTEND DOWN 1" BELOW FLOOR LINE - EXTEND UP BEHIND, AND OUT UNDER EXT. WALL PANELS |
| 133419.16 | 2" THICK, MIN. R-13 RIGID INSULATION, TAPE & SEAL ALL JOINTS |
| 133419.17 | P.E.M.B. BASE ANGLE - PROVIDE CONT. BEAD OF SEALANT UNDER ANGLE |
| 133419.18 | CONT. INSULATION TO ROOF DECK AND SCREW TO EAVE STRUT |
| 133419.19 | P.E.M.B. 8" BY-PASS WALL GIRTS |
| 133419.20 | P.E.M.B. RIGID FRAME BEYOND w/ TAPERED COLUMNS |
| 133419.21 | BOT. OF RIGID FRAME RAFTER TO BE NO LOWER THAN 10'-6" A.F.F. AT ANY POINT |
| 133419.32 | FACED R-19 METAL BUILDING INSULATION |
| 220000.01 | EYEWASH STATION, SEE PLUMBING |
| 220000.05 | NEW WASHFOUNTAIN - SEE PLUMBING - PROVIDE BLOCKING IN WALLS AS REQD |
| 321123.01 | 6" CLEAN 1/2" TO 3/4" AGGREGATE |
| 323913.01 | REMOVEABLE BOLLARDS BOTH SIDES, TYP. |

NOTE: EAVE HEIGHT IS EQUAL TO TOP OF WALL GIRT AT INTERSECTION POINT OF EXTERIOR FACE OF WALL GIRT AND TOP OF ROOF GIRT.

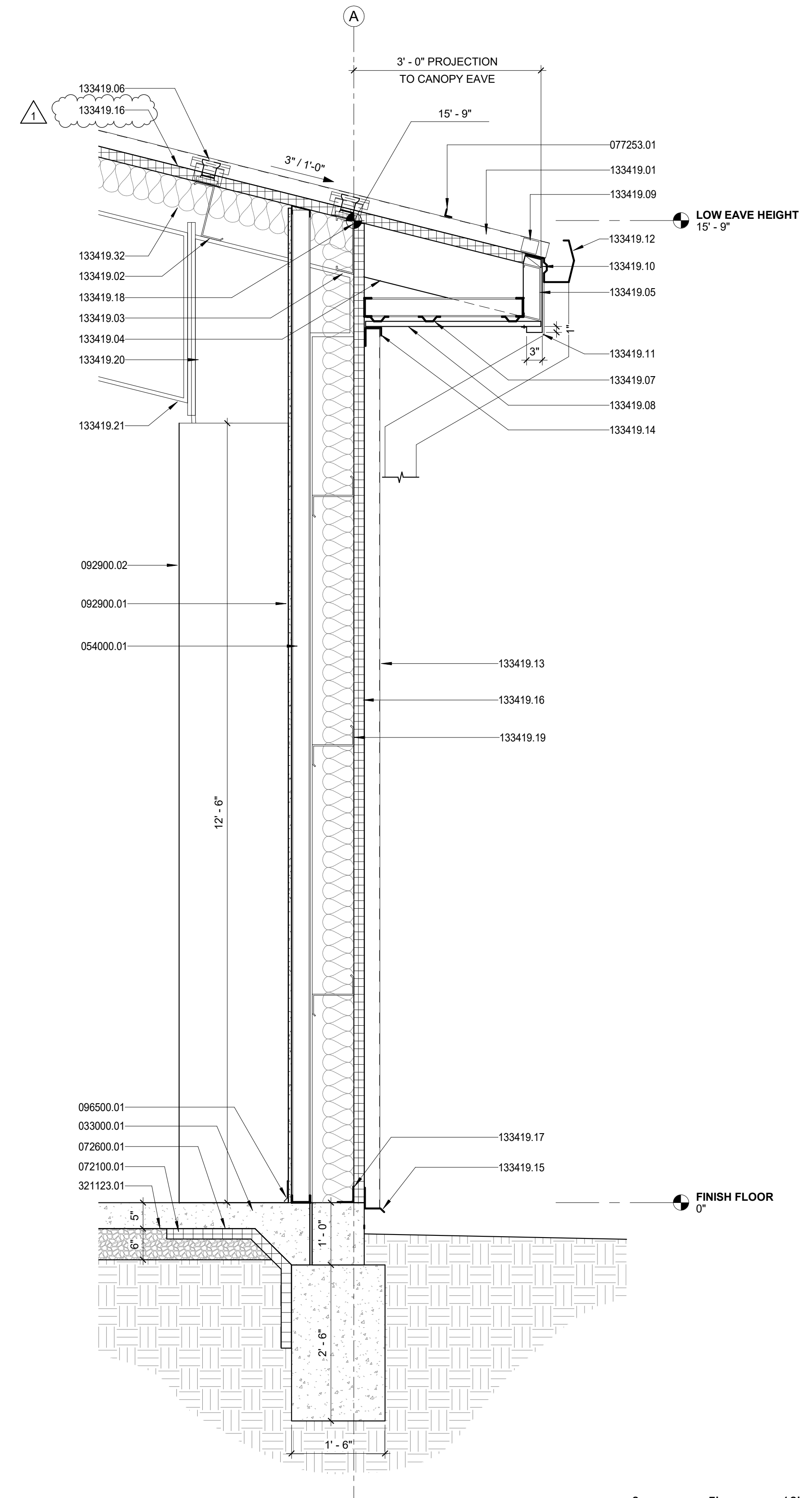


1 BUILDING SECTION THROUGH EXISTING GARAGE BAY LOOKING TOWARDS ADDITION
3/16" = 1'-0"

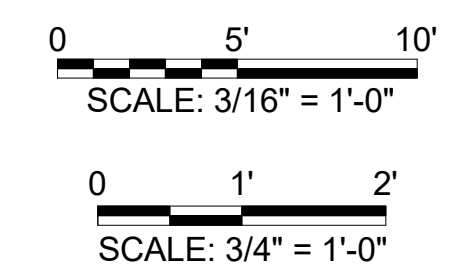
NOTE: SEE A502 FOR STAIR DETAILS



2 TRANSVERSE BUILDING SECTION
3/16" = 1'-0"



3 TYPICAL WALL SECTION
3/4" = 1'-0"



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



CODY N. BASHAM - ARCHITECT
MO # A-2021000203

KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
www.klinger.com
Columbia, Missouri
907 East Ash Street
Burlington, IA 50801, IA 50802, IA 50803

MISSOURI STATE CERTIFICATE OF AUTHORITY #2001010108

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

CONSTRUCT CLASSROOM
ADDITION
REGIONAL TRAINING SITE -
MAINTENANCE (RTS-M)
12249 20TH STREET
FORT LEONARD WOOD,
MO 65473

PROJECT # T2042-01
SITE # 6306
ASSET # 8136306006

REVISION: ADDENDUM #2
DATE: 07/06/2023
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 04/28/23

CAD DWG FILE: A301
DRAWING BY: MSG
CHECKED BY: CNB
DESIGNED BY: CNB

SHEET TITLE:
**BUILDING
SECTIONS**

SHEET NUMBER:

A301

APRIL 28, 2023