



UNIVERSITY FACILITIES MANAGEMENT

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ADDENDUM NO. 2 - OUTLINE AND SUMMARY INFORMATION

Project Name: Reid Hall – Center for Research on Rural Education Renovation

PPA No.: 25-1217

Location: Montana State University - Bozeman

Date: March 26, 2026

To: *All Plan Holders of Record*

*The Plans and Specification prepared by **Slate Architecture, Inc.** dated **March 10, 2026**, shall be clarified and added as follow. The bidder proposes to perform all the following clarifications or changes. It is understood that the Base Bid shall include any modification of Work or Additional Work that may be required by reason of the following change or clarifications.*

The Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to acknowledge may subject the Bidder to disqualification and rejection of the bid. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

I. ATTACHMENTS

- A. Slate Architecture Addendum #2
- B. Abatement Sheets (see "Addendum 2 – Plans")



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Date: March 26, 2026 **Addendum #:** 2
Project: MSU Reid Hall Center for Research on Rural Education
Project #: 25032
To: All Plan Holders of Record

This Addendum is issued to inform bidders of clarifications to the plans & specifications. The additions, clarifications, and corrections contained herein shall be made to the Project Manual, Drawings, and Schedules for the above referenced project, and shall be included in the scope of work and proposals to be submitted. References made below to the Project Manual and Drawings shall be used as a general guide only. Bidder shall determine the extent of work affected by Addendum items.

GENERAL NOTES:

1. Bids are due **April 2 at 2:00 pm**. Please review project manual for full details.

QUESTIONS (Q) / CLARIFICATIONS (C):

Q1. During the site walk, a question was asked regarding whether all abatement will be provided by MSU. Please confirm that all hazardous materials will be disposed of by the owner.

Q1. Page A011, note 13 states that "General Contractor to hire abatement contractor and certified industrial hygienist."

Q2. Should training tables or collaboration tables include power modules or grommets?

Q2. No power modules are needed for the collaboration and classroom tables. The conference room table is the only table that will require power modules.

Q3. Is the R.A. Products reception desk (Keynote 807) dealer-supplied or owner-supplied?

Q3. The desk is to be purchased by contractor and installed by the contractor.

Q4. Can Matterport file of existing rooms be shared?

Q4. Yes, the Matterport file can be released.

Q5. Temp Facilities Section 1.08 indicates owner will provide construction partition walls. STC 35.

Please confirm.

Q5. In confirming with the owner, construction partition walls will be provided by the contractor.

Q6. Can you prescribe an exterior soffit material for the 4' overhangs at the new entry, there is hinting of exterior gyp per 3 on A311.

Q6. The exterior material should be flat soffit panel. Basis of Design is 1" flush soffit by Protech Steel.

Q7. Detail 2 on A311 shows membrane to a turn-bar. Detail 7 on A201 shows a gutter with a drip ledge from the roof. How would you like us to tie in the gutter and membrane.

Q7. Detail #7/A201 is for the gutter size itself. Detail #2 on A311 is what is needed for the roof membrane.

Q8. Do you have the Remediation Sheets for the Asbestos?

Q8. The sheets have already been included in the project manual as part of the Limited Asbestos and Lead Based Paint Inspection Report.

DRAWING MODIFICATIONS/CLARIFICATIONS:

1. None

SPECIFICATION MODIFICATIONS/CLARIFICATIONS:

1. 26 09 23 – Lighting Control Devices
 - a. Modify: Section 2.01.A. Lighting controls by Lutron Electronics Co., Inc.
 - b. Modify: Section 2.02.A. Lighting controls by Lutron Electronics Co., Inc.
 - c. Modify: Section 2.03.A. Lighting controls by Lutron Electronics Co., Inc.

Prior Approvals:

Prior approvals for equipment substitutions are based upon manufacturer's name only. No material submissions have been reviewed. Any substitutions shall meet the specification for the product specified. Any cost associated with electrical modifications necessary due to a product substitution shall be the responsibility of the electrical contractor.

SECTION	ITEM	MANUFACTURER / STATUS
238126	Split System	LG (Approved)
265119	LED Interior Lighting	Solais (Approved) Sage (Approved) Coronet (Approved) Core (Approved) Baso (Approved) USAI (Approved) Alphalite (Approved) Mercury (Approved)
265213	Emergency and Exit Lighting	Isolite (Approved)

ATTACHMENTS:

- 1) Spec section **26 09 23 – Lighting Control Devices**

END OF ADDENDUM 2

**SECTION 26 0923
LIGHTING CONTROL DEVICES**

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. Section Includes:
 - 1. Indoor occupancy and vacancy sensors.
 - 2. Switchbox-mounted occupancy sensors.
 - 3. Conductors and cables.
- B. Component Compatibility:
 - 1. Provide components that are compatible with other control devices for each set of controls. All components in each set of controls shall be compatible for a complete and functional system.
 - a. Provide switches that are compatible with associated power packs, occupancy sensors and other components.
 - b. Provide dimming controls that are compatible with the drivers and ballasts they control. Verify compatibility prior to ordering.
- C. Related Requirements:
 - 1. Section 26 0000 "Electrical General Requirements" for additional abbreviations, definitions, submittals, qualifications, testing agencies, and other Project requirements applicable to Work specified in this Section.
 - 2. Section 26 2726 "Wiring Devices" for wall-box dimmers, non-networkable wall-switch occupancy sensors, and manual light switches.

1.03 ACTION SUBMITTALS

- A. Product Data:
 - 1. For each type of product.
- B. Shop Drawings:
 - 1. Show installation details for the following:
 - a. Occupancy sensors.
 - b. Vacancy sensors.
 - 2. Interconnection diagrams showing field-installed wiring.
 - 3. Include diagrams for power, signal, and control wiring.
- C. Field quality-control reports.

1.04 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Reflected ceiling plan(s) and elevations, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items installed:
 - 1. Suspended ceiling components.
 - 2. Structural members to which equipment will be attached.
 - 3. Items penetrating finished ceiling, including the following:
 - a. Luminaires.
 - b. Air outlets and inlets.
 - c. Speakers.
 - d. Sprinklers.
 - e. Access panels.
 - f. Control Modules
- B. Field quality-control reports.
- C. Sample Warranty: For manufacturer's warranties.

1.05 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For each type of lighting control device to include in operation and maintenance manuals.

1.06 WARRANTY

- A. Special Extended Warranty: Manufacturer and Installer warrant that installed lighting control devices perform in accordance with specified requirements and agree to repair or replace, including labor, materials, and equipment, devices that fail to perform as specified within extended warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Faulty operation of lighting control software.
 - b. Faulty operation of lighting control devices.
 - 2. Extended Warranty Period: Two year(s) from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 DIGITAL LIGHTING CONTROLS

- A. Provide products by the following manufacturer:
 - 1. Lutron Electronics Co., Inc.

2.02 INDOOR OCCUPANCY AND VACANCY SENSORS

- A. Provide products by the following manufacturer:
 - 1. Lutron Electronics Co., Inc.
- B. General Requirements for Sensors:
 - 1. Ceiling-mounted, solid-state indoor occupancy and vacancy sensors.
 - 2. Dual technology.
 - 3. Separate power pack.
 - 4. Hardwired connection to switch.
 - 5. Listed and labeled in accordance with NFPA 70, by a qualified electrical testing laboratory recognized by authorities having jurisdiction, and marked for intended location and application.
 - 6. Operation:
 - a. Combination Sensor: Unless otherwise indicated, sensor must be programmed to turn lights on when coverage area is occupied and turn them off when unoccupied, or to turn off lights that have been manually turned on; with a time delay for turning lights off, adjustable over a minimum range of 1 to 15 minutes.
 - 7. Sensor Output: Sensor is powered from the power pack.
 - 8. Power: Line voltage.
 - 9. Power Pack: Dry contacts rated for 20 A ballast or LED load at 120 and 277 V(ac), for 13 A tungsten at 120 V(ac), and for 1 hp at 120 V(ac). Sensor has 24 V(dc), 150 mA, Class 2 power source, as defined by NFPA 70.
 - 10. Mounting:
 - a. Sensor: Suitable for mounting in any position in a standard device box or outlet box.
 - b. Relay: Externally mounted through a 1/2 inch knockout in a standard electrical enclosure.
 - c. Time-Delay and Sensitivity Adjustments: Recessed and concealed behind hinged door.
 - 11. Indicator: Digital display, to show when motion is detected during testing and normal operation of sensor.
 - 12. Bypass Switch: Override the "on" function in case of sensor failure.
 - 13. Automatic Light-Level Sensor: Adjustable from 2 to 200 fc; turn lights off when selected lighting level is present.
- C. Dual-Technology Type: Ceiling mounted; detect occupants in coverage area using PIR and ultrasonic detection methods. The particular technology or combination of technologies that control on-off functions is selectable in the field by operating controls on unit.
 - 1. Sensitivity Adjustment: Separate for each sensing technology.

2. Detector Sensitivity: Detect occurrences of 6 inch minimum movement of any portion of a human body that presents a target of not less than 36 sq. inch, and detect a person of average size and weight moving not less than 12 inch in either a horizontal or a vertical manner at an approximate speed of 12 inch/s.
3. Detection Coverage (Standard Room): Detect occupancy anywhere within a circular area of 1000 sq. ft. when mounted on a 96 inch high ceiling.
4. Detection Coverage (Room, Wall Mounted): Detect occupancy anywhere within a 180-degree pattern centered on the sensor over an area of 1000 sq. ft. when mounted 48 inch above finished floor.

2.03 SWITCHBOX-MOUNTED OCCUPANCY SENSORS

- A. Manufacturers: Provide products by the following:
 1. Lutron Electronics Co., Inc.
- B. General Requirements for Sensors: Automatic-wall-switch occupancy sensor with manual on-off switch, suitable for mounting in a single gang switchbox using hardwired connection.
 1. Listed and labeled in accordance with NFPA 70, by a qualified electrical testing laboratory recognized by authorities having jurisdiction, and marked for intended location and application.
 2. Occupancy Sensor Operation: Unless otherwise indicated, turn lights on when coverage area is occupied, and turn lights off when unoccupied; with a time delay for turning lights off, adjustable over a minimum range of 1 to 15 minutes.
 3. Operating Ambient Conditions: Dry interior conditions, 32 to 120 deg F.
 4. Switch Rating: Not less than 800 VA ballast or LED load at 120 V, 1200 VA ballast or LED load at 277 V, and 800 W incandescent.
- C. Wall-Switch Sensor:
 1. Standard Range: 180-degree field of view, field adjustable from 180 to 40 degrees; with a minimum coverage area of 900 sq. ft..
 2. Sensing Technology: Dual technology - PIR and ultrasonic.
 3. Switch Type: SP, dual circuit, and SP, field-selectable automatic "on," or manual "on," automatic "off."
 4. Capable of controlling load in three-way application.
 5. Voltage: Match the circuit voltage.
 6. Ambient-Light Override: Concealed, field-adjustable, light-level sensor from 10 to 150 fc. The switch prevents the lights from turning on when the light level is higher than the set point of the sensor.
 7. Concealed, field-adjustable, "off" time-delay selector at up to 30 minutes.
 8. Concealed, "off" time-delay selector at 30 seconds and 5, 10, and 20 minutes.
 9. Adaptive Technology: Self-adjusting circuitry detects and memorizes usage patterns of the space and helps eliminate false "off" switching.
 10. Color: White.
 11. Faceplate: Color matched to switch.

2.04 CONDUCTORS AND CABLES

- A. Category 6 cable for digital lighting controls.
- B. Power Wiring to Supply Side of Remote-Control Power Sources: Not smaller than No. 12 AWG. Comply with requirements in Section 26 0519 "Low-Voltage Electrical Power Conductors and Cables."
- C. Classes 2 and 3 Control Cable: Multiconductor cable with stranded-copper conductors not smaller than No. 18 AWG. Comply with requirements in Section 26 0519 "Low-Voltage Electrical Power Conductors and Cables."
- D. Class 1 Control Cable: Multiconductor cable with stranded-copper conductors not smaller than No. 14 AWG. Comply with requirements in Section 26 0519 "Low-Voltage Electrical Power Conductors and Cables."

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine lighting control devices before installation. Reject lighting control devices that are wet, moisture damaged, or mold damaged.
- B. Examine ceilings and walls for suitable conditions where lighting control devices will be installed.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION OF SENSORS

- A. Comply with NECA 1.
- B. Coordinate layout and installation of ceiling-mounted devices with other construction that penetrates ceilings or is supported by them, including light fixtures, HVAC equipment, smoke detectors, fire-suppression systems, and partition assemblies.
- C. Install and aim sensors in locations to achieve not less than 90 percent coverage of areas indicated. Do not exceed coverage limits specified in manufacturer's instructions.

3.03 INSTALLATION OF CONTACTORS

- A. Comply with NECA 1.
- B. Mount electrically held lighting contactors with elastomeric isolator pads to eliminate structure-borne vibration unless contactors are installed in an enclosure with factory-installed vibration isolators.

3.04 INSTALLATION OF WIRING

- A. Comply with NECA 1.
- B. Wiring Method: Comply with Section 26 0519 "Low-Voltage Electrical Power Conductors and Cables." Minimum conduit size is 3/4 inch.
- C. Wiring within Enclosures: Comply with NECA 1 Separate power-limited and nonpower-limited conductors in accordance with conductor manufacturer's instructions.
- D. Size conductors in accordance with lighting control device manufacturer's instructions unless otherwise indicated.
- E. Splices, Taps, and Terminations: Make connections only on numbered terminal strips in junction, pull, device, and outlet boxes; terminal cabinets; and equipment enclosures.

3.05 IDENTIFICATION

- A. Identify components and power and control wiring in accordance with Section 26 0553 "Identification for Electrical Systems."
- B. Label time switches and contactors with a unique designation.

3.06 FIELD QUALITY CONTROL

- A. Perform the following tests and inspections:
 - 1. Operational Test: After installing time switches and sensors, and after electrical circuitry has been energized, start units to confirm proper unit operation.
 - 2. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.
- B. Lighting control devices will be considered defective if they do not pass tests and inspections.
- C. Prepare test and inspection reports.

3.07 ADJUSTING

- A. Occupancy Adjustments: When requested within 12 months from date of Substantial Completion, provide on-site assistance in adjusting lighting control devices to suit actual occupied conditions. Provide up to two visits to Project during other-than-normal occupancy hours for this purpose.

1. For occupancy and motion sensors, verify operation at outer limits of detector range. Set time delay to suit Owner's operations.
2. For daylighting controls, adjust set points and deadband controls to suit Owner's operations.

3.08 DEMONSTRATION

- A. Train Owner's maintenance personnel to adjust, operate, and maintain lighting control devices.

END OF SECTION