



ADDENDUM NO. 1 - OUTLINE AND SUMMARY INFORMATION

Project Name: Renne Library Data Center UPS Replacements

PPA No.: 24-1182

Location: Montana State University - Bozeman

Date: 11/18/25

Owner: State of Montana, MSU - Bozeman

Plew Building 6th and Grant, PO Box 172760

Bozeman, Montana 59717-2760

To: *All Plan Holders of Record*

*The Plans and Specification prepared by **TD&H Engineering** dated **October 27, 2025** shall be clarified and added as follows. 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:

1. AMENDMENTS TO THE PROJECT MANUAL

- a. Specification Section 263353 Uninterruptible Power Supply – **CLARIFICATION:** The specified UPS has an input for a remote emergency off (EPO) signal that shuts off the UPS output in the event of an emergency. The sidcar maintenance bypass is a 3-breaker bypass and the input breaker shall have shunt trip capability as well.

2. AMENDMENTS TO THE DRAWINGS

- a. SHEET E2, Specific Sheet Note 1 – **CLARIFICATION:** Remove all unused wiring from emergency shut-down contactor associated with existing EPO pushbuttons. Refer to attached wiring diagram. When project is finished, EPO's and associated contactor shall initiate shutdown of UPS-A, UPS-B (or S4 if alternate is not accepted), and existing HVAC units. All other conduit and wiring associated with old UPS's, circuit breakers, and defunct halon system shall be removed and labeling shall be updated. Additionally, remove control station associated with old halon system. Note that when testing EPO's and associated contactor with new UPS during startup and commissioning, the other UPS and HVAC units shall be disconnected so that they do not shut down accidentally. All testing of EPO's must be preauthorized and under the direct supervision of the engineer and MSU UIT.

3. AMENDMENTS TO EQUIPMENT INFORMATION

- a. Contact information for multiple EATON and APC brand UPS vendors noted below:

- i. Ryan Renteria, EATON UPS Direct Sales, 801-588-9336, RyanLRenteria@Eaton.com
- ii. Dani Toothman, Nationwide Power (EATON), 702-800-6654, dtoothman@nationwidepower.com
- iii. Eric Fisher, CFT (APC), 720-383-0614, efisher@cft.tech

4. PRE-BID MEETING INFORMATION AND CLARIFICATIONS

- a. Cat Cards will be the primary method of facility access, which MSU can furnish to contractors at no cost. Coordinate with MSU project manager.
- b. No escorts are required, but work should be done during regular business hours to ensure that UIT can be present to observe work as needed.
- c. Contractor shall pay close attention to the bid document notes on outages and asbestos to ensure everyone is fully aware of those requirements.
 - i. Outages: Must be coordinated at least 2 weeks in advance with MSU UIT and should happen during academic calendar breaks or as approved by UIT. Refer to general note A in the plans.

(1) Note: If both UPSs are replaced, there will be 2 separate outages. MSU will need a couple of weeks between outages to confirm things are operating OK.
 - ii. Startups: There will be 2 separate startups (1 per UPS) per factory requirements if both UPSs are replaced.
 - iii. Floor tiles: MSU has spare floor tiles with pre-drilled penetrations in a storage room that can be utilized as needed so that contractor doesn't need to disturb any tiles.
- d. Contractor parking is not available near Renne Library and contractors should plan to purchase permits through MSU Parking Services. However, the project can accommodate (1) spot in the Service Drive, just south of the Library (north of AJM Johnson) for a single contractor vehicle and/or trailer. Refer to project location map on bid document cover sheet for reference.
- e. Entrance pathways: Typically, contractors will enter Renne Library from the south doors near the Service Drive and go down the stairs into room 75, which is the main entry into the data center. This entry room can be used as a small staging area as needed. The north doors are recommended to get heavy equipment in (there are stairs here as well).
- f. Contractor shall be aware and understand that there is a base bid and an alternate bid, that bid bonds are required when project is over \$150,000 and that the review and permitting is now through the State of Montana and shall be paid by MSU directly. Refer to project manual for all of these requirements in further detail.
- g. Contractor shall ensure that no dust will be generated in the data center during construction and if dust is anticipated, mitigation methods shall be provided either by isolating work area or covering equipment as necessary. No food or drink is allowed in data center.
- h. Doors into data center shall always remain closed except when bringing in equipment and shall be supervised. No receptacles in data room shall be used for tools.
- i. Power for tools shall be coordinated with MSU UIT prior to use (using non-UPS and non-generator power panels).

- j. UPS Removal: All UPSs are to be disposed of and not returned to MSU (no items to be salvaged).
- k. EPO (emergency power off) buttons: The new UPSs are to be wired to the existing EPO buttons. See additional information above.

5. PRIOR APPROVALS

- a. N/A

6. ATTACHMENTS

- a. Pre-bid meeting attendance/sign-in sheet.
- b. Existing EPO wiring diagram for data center.

END OF ADDENDUM

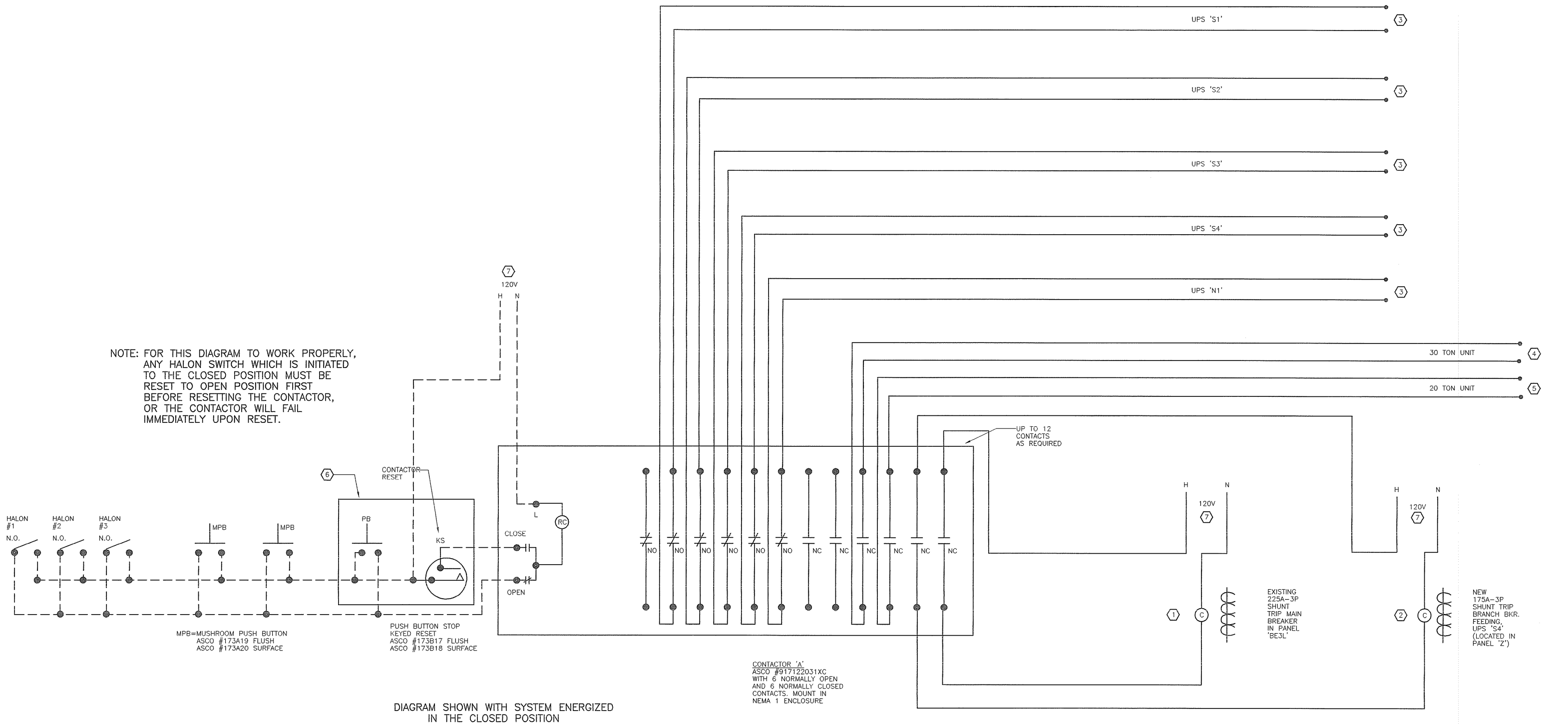
SIGN-IN SHEET

PROJECT: Renne Library Data Center UPS Replacements

DATE: 11/12/25

LOCATION: MSU Bozeman

[illegible]



EPO WIRING DIAGRAM FOR RENNE ITC

NO SCALE

ELECTRICAL NOTES FOR THIS SHEET:

- THIS SHUNT TRIP WOULD KILL INPUT POWER TO UPS 'S1', UPS 'S2', UPS 'S3', AND UPS 'N1'.
- THIS SHUNT TRIP WOULD KILL INPUT POWER TO UPS 'S4'.
- CONNECT TO THE JUMPERED 'EPO' CONTACTS IN THE UPS UNIT. THESE SHOULD BE CONTACTS INTERNALLY POWERED BY THE UPS UNIT ITSELF.
- CONNECT TO 30 TON HVAC UNIT TEMPERATURE CONTROL CONTACTS SO WHEN CONTACT IN CONTACTOR 'A' CLOSES, THE 30 TON UNIT WILL SHUT DOWN. CONTACTS ARE POWERED THROUGH TEMP. CONTROL IN UNIT.
- CONNECT TO 20 TON HVAC UNIT TEMPERATURE CONTROL CONTACTS SO WHEN CONTACT IN CONTACTOR 'A' CLOSES, THE 20 TON UNIT WILL SHUT DOWN. CONTACTS ARE POWERED THROUGH TEMP. CONTROL IN UNIT.
- INSTALL A RED BAKELITE NAME PLATE WITH 1/4" HIGH WHITE LETTERS THAT STATES THE FOLLOWING:
"DO NOT RESET KEYED SWITCH UNTIL HALON PRESSURE SWITCHES ARE RESET OR CONTACTOR WILL BURN UP"
MOUNT NAME PLATE AT KEYED RESET SWITCH.
- CONNECT TO 20A-1P BREAKER IN PANEL ON EMERGENCY GENERATOR THAT WILL NOT BE SHUT DOWN BY SHUNT TRIP BREAKERS OR UPS UNITS.