ADDENDUM NO. 1 - OUTLINE AND SUMMARY INFORMATION

To: All Plan Holders of Record

The Plans and Specification prepared by Coffman Engineers dated January 17, 2021 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:

1. AMENDMENTS TO THE PROJECT MANUAL
   a. N/A

2. AMENDMENTS TO THE DRAWINGS
   a. Sheet FA0.1, FA1.0 & FX0.2

3. PRE-BID MEETING INFORMATION
   a. A pre-bid meeting was conducted on 1/26/21. All attendees (see attached list) were given a brief overview of the contract requirements as well as the project scope. A walk through of the spaces affected by the project scope was conducted. It was pointed out that this is an operational data center, and all equipment needs to remain protected and operational during construction. The contractor is responsible for providing means and method for protection of the equipment work while still allowing for the cooling system to operate correctly. See section 5 below for clarification to questions asked during the pre-bid meeting.

4. PRIOR APPROVALS
   a. N/A

5. OTHER
   a. As indicated in the specifications, flexible pipe drops (off the top of the branch line) to the pendent sprinklers in the suspended acoustical tile are acceptable in lieu of hard piped return bends shown on the drawings. Contractor would need to submit on proposed flexible pipe drops for approval per the specifications.
b. As required by NFPA 13 to not cause damage during testing, the main drain from the new pre-action system riser shall be piped to the exterior through the West wall of the mechanical room (approximately 1’ above grade). An auxiliary drain is to be installed on the main drain for system drainage to the existing floor sink below the riser.

c. It has been clarified that the existing Halon system and associated detection and releasing system shall be left in place and operational until the new pre-action system and detection system for releasing are active. Once the new pre-action system is operational, the existing Halon system and associated detection and releasing system can be removed. Release of the Halon system may be disarmed during construction periods where people are working in the space, but the detection system shall remain active. The halon system shall be put back in service at the end of each work period.

d. As indicated in the revised drawings noted in Section 2 above, the detection for the pre-action system release has been changed from heat detection to smoke detection. Relays have also been added for shutdown of the cooling units in the data center upon activation of the area smoke detection.

e. Seismic Details have been updated on drawing FX0.2 to reflect a change from the Hilit TZ Wedge Anchor to the Dewalt Power Stud Wedge Anchor to match Seismic Calculations. Contractor may submit other similar anchors for approval as indicated in the specifications.

6. ATTACHMENTS

   a. Pre-bid meeting attendance list

   b. **Revised Sheets FA0.1, FA1.0, FX0.2**
<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dave Yaggy</td>
<td>W.S.FP</td>
<td>406-559-5121</td>
<td><a href="mailto:Dave.Yaggy@W.S.FP">Dave.Yaggy@W.S.FP</a></td>
</tr>
<tr>
<td>Jason Andersen</td>
<td>Coffman, Inc.</td>
<td>406-572-1936</td>
<td><a href="mailto:andersen@coffman.com">andersen@coffman.com</a></td>
</tr>
<tr>
<td>Michael Bergman</td>
<td>PRG Commercial</td>
<td>406-829-4795</td>
<td><a href="mailto:mbegman@prgcommercialmt.com">mbegman@prgcommercialmt.com</a></td>
</tr>
<tr>
<td>Jason Bouler</td>
<td>PRG Commercial</td>
<td>406-920-1146</td>
<td><a href="mailto:jbouler@prgcommercialmt.com">jbouler@prgcommercialmt.com</a></td>
</tr>
<tr>
<td>John Case</td>
<td>ITM Division</td>
<td>406-465-8127</td>
<td><a href="mailto:jcase@mt.gov">jcase@mt.gov</a></td>
</tr>
<tr>
<td>R贝瑞特</td>
<td>ICF</td>
<td>406-559-8930</td>
<td>r@1c-n-chs</td>
</tr>
<tr>
<td>Sam Taylor</td>
<td>MSU-VIT</td>
<td>406-570-0748 (Cell)</td>
<td><a href="mailto:samuel.taylor@mt.edu">samuel.taylor@mt.edu</a></td>
</tr>
<tr>
<td>Todd Cook</td>
<td>MSU</td>
<td>406-580-7900</td>
<td><a href="mailto:Todd.Cook@Montana.edu">Todd.Cook@Montana.edu</a></td>
</tr>
<tr>
<td>Tony Collard</td>
<td>MSU</td>
<td>406-580-0666</td>
<td><a href="mailto:Acollard@montana.edu">Acollard@montana.edu</a></td>
</tr>
<tr>
<td>Loras O'Toole</td>
<td>MSU</td>
<td>406-548-4930</td>
<td><a href="mailto:loras@montana.edu">loras@montana.edu</a></td>
</tr>
</tbody>
</table>
FIRE ALARM NOTES:

I. LOCAL AND STATE AHJ REQUIREMENTS
PERMANENTLY AFFIXED TO THE FACE. LABEL EACH DEVICE USING FIRE ALARM EQUIPMENT CABINETS, BOXES, AND DEVICES SHALL HAVE TAGS REQUIRED BY NFPA 72.

PAINTED TO MATCH SURROUNDINGS.
FINISHED AREAS SHALL BE 3/4" MINIMUM UNLESS OTHERWISE NOTED AND ENGINEER WILL PREPARE AND PROVIDE RECORD DRAWINGS. THE E. IFC (INTERNATIONAL FIRE CODE), 2018
FIRE ALARM SYSTEM SHALL COMPLY WITH:

"T" TAPPING OF ANY NAC OR IDC CIRCUIT IS PROHIBITED.
COORDINATE THE EXACT DEVICE LOCATIONS WITH ELECTRICAL AND TESTING, RECORD OF COMPLETION FORMS AND PROVIDE OPERATION & ASSOCIATED FUNCTION. LABEL REMOTE TEST SWITCHES WITH ASSOCIATED DUCT DETECTOR ADDRESS AND AIR HANDLER DESIGNATION.

A. NFPA 13 (FIRE SPRINKLER CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

B. NFPA 72 (FIRE ALARM CODE), 2016
METALLIC TUBING). ALL UNDERGROUND CONDUIT SHALL BE PVC CONDUIT SUPPLIED FOR THE PROJECT.
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER PRIOR TO ORDERING OF EQUIPMENT AND NOTIFY THE CONTRACTING OFFICER OF ANY INADEQUATE CLEARANCES OR CONDITIONS THAT WILL PREVENT THE EQUIPMENT, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS.

C. NFPA 72 (FIRE ALARM CODE), 2016
THE CONTRACTOR SHALL PREPARE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

D. NFPA 13 (FIRE SPRINKLER CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

E. NFPA 72 (FIRE ALARM CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

F. NFPA 13 (FIRE SPRINKLER CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

G. NFPA 72 (FIRE ALARM CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

H. NFPA 13 (FIRE SPRINKLER CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

I. NFPA 72 (FIRE ALARM CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

J. NFPA 13 (FIRE SPRINKLER CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

K. NFPA 72 (FIRE ALARM CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

L. NFPA 13 (FIRE SPRINKLER CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

M. NFPA 72 (FIRE ALARM CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

N. NFPA 13 (FIRE SPRINKLER CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

O. NFPA 72 (FIRE ALARM CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

P. NFPA 13 (FIRE SPRINKLER CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.

Q. NFPA 72 (FIRE ALARM CODE), 2016
THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY. ALL 120VAC CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL BE MARKED RED AND LOCKABLE.
1. Relay Contact Module: Used as a signal or control module. Program is wireless to connect to the intercom system.

2. Fire Sprinkler Preaction System: Covers all areas as shown to ensure adequate protection.

3. Riser Diagram Key Notes:
   1. Device to be removed and circuit tied through. Shown on riser diagram for reference.
   2. Tie new circuit into an existing NAC output.
   3. Retaining module for new fire sprinkler preaction system. See schedule.
   4. Location of existing EST3X fire alarm control panel. Contractor to install new.
   5. Releasing module for new fire sprinkler preaction system. See schedule.

4. All equipment within the data room shall be adequately protected from dust and debris during installation.

5. Data center managers shall approve protection before releasing module.

6. General Notes:
   1. All work described herein shall be performed in accordance with applicable codes, standards, and specifications.
   2. Contractor to place new fire alarm devices directly adjacent to existing devices now incorporated in record documents.
   3. Contractor to place new fire alarm devices directly adjacent to existing devices now incorporated in record documents.
   4. Contractor to install new fire alarm devices directly adjacent to existing devices now incorporated in record documents.
   5. Contractor to install new fire alarm devices directly adjacent to existing devices now incorporated in record documents.

7. Plan Key Notes:
   1. Route new alarm circuit to monitor modules shown.
   2. Tie new circuit into an existing NAC output.
   3. Retain new fire alarm system to ensure adequate protection.
   4. Place new fire alarm devices directly adjacent to existing devices.
   5. Use existing NAC output to tie in new fire alarm system.

8. Graphic Scale: 1/8" = 1'-0"