Addendum # 2

Contract Number: UMA17-09
Project Number: 1008691
Speedtype: 158635
Title: Washington House – Emergency Systems Upgrades

The attention of the bidders submitting proposals for the above subject project is called to the following addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarifications, are all to be included in and form a part of the proposal submitted.

The number of this Addendum (2) must be entered in the appropriate space “B. This bid includes addenda numbered (list all addenda)____” found on Page 51 – Form For General Bid, and/or Page 59 - Form for Sub-Bid “B. This sub-bid includes addenda numbered (list all addenda)____.

This addendum includes 20 pages including drawings SKA-100-A, SKA-100-B, SKA-101-A, SKA-102-A, SKA-103-A, SKE-01, SKE-02, SKE-03, SKE-04, SKE-05, SKE-06, SKM-01 and SKM-02

Item No. 1 In Specification Section 230000; Item 1.1.3.C, replace the wording deleted in Addenda #1 with the following:

**Add**: Sub-sub Bid Requirements: Automatic Temperature Control, Sections 2.11 and 3.5

Item No. 2 In Specification Section 015000; Item 1.5 Hoisting Equipment And Machinery

**Delete**: Item A.

**Add**: Item A: All hoisting equipment and machinery required for the proper and expeditious prosecution and progress of the work shall be furnished, installed, operated and maintained in safe condition by the General Contractor for the use of all Subcontractors material and/or equipment delivered to the designated hoisting area except that which is specifically required to be provided by the Subcontractors themselves and is so stated in each appropriately related Section of the Specifications. All costs for hoisting operation services shall be borne by the General Contractor unless specifically excepted in the Contract Documents.

1. A licensed equipment manufacturer’s representative shall be present at all times, to witness the erection and dismantling of all hoisting equipment and machinery, whenever such equipment is being erected or dismantled. No such work will be performed without the presence of such representative.

2. Hoisting equipment and machinery erection and dismantling shall be performed only by trained, certified, and experienced riggers qualified to perform such work.
3. Copies of such licenses and/or certifications, clearly indicating qualifications, shall be provided to the UMA Resident Engineer prior to commencement of such erecting and dismantling work.

Item No. 3
Bidder Question: Our bid shall be prepared in accordance with the Massachusetts public bidding laws. We understand the Massachusetts public bidding laws, and applicable decisions from the Bid Protest Unit of the Massachusetts Attorney General’s Office, require all of the electrical work and materials included in the bid to be contained entirely, and described clearly, within the written electrical specifications. We understand that bidders also are responsible for the work and materials shown on the electrical drawings to the extent that work and those materials also are described and defined in the electrical specifications. Please confirm we are correct in our understanding that work and materials described in non-electrical specifications or shown on non-electrical drawings, without also being described in the electrical specifications, is for coordination purposed only and shall not be part of the electrical contractor’s bid for this project.

Response: All work within the scope of the Electrical Contractor is shown on electrical drawings and specifications, as well as, the sub-sub trade sections drawings and specifications as specified. Work specifically referenced on electrical drawings and shown elsewhere is also part of the Electrical Contractor’s scope.

Item No. 4
In Specification Section 017329 Cutting and Patching;
Delete: 1.2; Summary: Item A in its entirety.
Insert: 1.2; Summary
A. This section includes;
1. Administrative and procedural requirements for cutting and patching. The General Contractor is responsible for all cutting and patching that is not covered in Section 210000 Fire Protection, Section 230000 HVAC and Section 260000 Electrical. The general contractor shall refer to the specific requirements listed in Section 210000 Fire Protection, Section 230000 HVAC and Section 260000 Electrical. The general contractor is responsible for all coordination with other trades.

Item No. 5
Bidder Question: There are fixtures identified on the plans that are not listed in the Fixture Schedule. Could you please add or clarify the following fixtures?
   a. Type L4
   Response: See sketch SKE-01

   b. Type L4B
   Response: See sketch SKE-01

   c. Type J
   Response: Changed to “J.C.” or “J.W.”

   d. Symbol ( o ) in the electric closet on the typical floors.
   Response: Existing to remain, see sketches.

Item No. 6
Bidder Question: Please confirm that all half shaded light fixtures shall include integral emergency backup even though they are supplied by an emergency circuit.
Response: Integral emergency backup is not required where supplied by an emergency circuit.
Item No. 7  
Bidder Question: Could you please clarify the following questions regarding the manual transfer switch above the vault.
a. It calls us to mount the transfer switch above the vault. Where is the vault located?  
Response: See 1/E1.2

Item No. 8  
Bidder Question: Could you please specifically identify which trade shall carry the cost of placing the new generator on the rooftop.  
Response: The General Contractor shall carry this cost.

Item No. 9  
Bidder Question: On plan E1.2 Detail #2, in rooms # 222A and 224. There are two symbols of a circle marked with the demo code XN. Please clarify which fixture or device these circles are.  
Response: These shall be existing to remain (XM) See SKE-04.

Item No. 10  
Bidder Question: The specification section 26000 1.2 (G) says that the Electrical contractor is to carry in their bid all Municipal Back charges. If utility back charges are to be by the Electrical Contractor please provide the utility company work order #. If you are unable to provide a work order # for the utility company to tell us the cost of their services then please specify an amount to carry for utility back charges so as to maintain an equal footing amongst bidders.  
Response: There will be no utility backcharges on this project.

Item No. 11  
Bidder Question: Plan E1.3 Detail #1 and #2; with in closets 510a and 1210a there is a symbol consisting of a filled in circle with a letter J on the outside. Please clarify what this symbol represents. There is a note saying with in closet showing a single pole switch. There is not a symbol for within the closet for a light, that is represented on the lighting schedule. If the circle with the J is a light fixture please clarify which fixture on the lighting schedule it is.  
Response: Fixture type to be JC. See SKE-05.

Item No. 12  
Drawing E1.2 New fixture Type LR22 will be powered from what panel? Please provide.  
Response: See note on 1/E1.2 “Connect lighting to existing circuit”.

Item No. 13  
Drawing E1.1 General Lighting Notes 5 EC shall be responsible to paint all exposed conduits, raceway etc. Wouldn’t this work fall under Section 099100 Painting and Coating? Please clarify.  
Response: Painting of each individual trade’s equipment will be the responsibility of that trade.

Item No. 14  
Project Manual:  
Add: Emergency Engine and Turbine Requirements “Attachment #1”.

Item No. 15  
Specification Section 230000 HVAC – Paragraph 1.1, General Provisions, Sub-Paragraph C:  
Delete: CLASS OF WORK: Testing, Adjusting, Balancing & Commissioning  
REFERENCE PARAGRAPH: 3.6 from the list of Sub-Sub Bid Requirements.

Item No. 16  
Specification Section 230000 HVAC – Paragraph 3.6, Testing, Adjusting, Balancing and Commissioning  
Delete: Delete paragraph in its entirety.
Item No. 17  Drawing M1.1 – BASEMENT & MECHANICAL PENTHOUSE FLOOR PLAN & RISER DIAGRAM-MECHANICAL
Incorporate the following clarifications and/or revisions on the following sketches: SKM-01 and SKM-02.

Item No. 18  Drawing E0.1 – ELECTRICAL SYMBOL LIST AND FIXTURE SCHEDULE
Incorporate the following clarifications and/or revisions on the following sketch: SKE-01.

Item No. 19  Drawing E0.3 – ELECTRICAL SITE PLAN
Incorporate the following clarifications and/or revisions on the following sketch: SKE-02.

Item No. 20  Drawing E1.1 – BASEMENT ELECTRICAL FLOOR PLANS
Incorporate the following clarifications and/or revisions on the following sketch: SKE-03.

Item No. 21  Drawing E1.2 – ELECTRICAL FLOOR PLANS
Incorporate the following clarifications and/or revisions on the following sketch: SKE-04.

Item No. 22  Drawing E1.3 – ELECTRICAL FLOOR PLANS
Incorporate the following clarifications and/or revisions on the following sketch: SKE-05.

Item No. 23  Drawing E1.5 – ELECTRICAL FLOOR PLANS
Incorporate the following clarifications and/or revisions on the following sketch: SKE-06.

Bidder Question: Section 55000-2 1.2 A.1 has the metal fabricators performing the enclosures for the fuel oil lines. On drawing M1.1 the notes have the mechanical contractor providing and installing the same enclosures. Please clarify who is to include this in the bid.
Response: The Misc. Metals contractor (Section 055000) shall be responsible for providing and installing the stainless steel enclosures. The gauge for the stainless steel will be 12ga. See detail 10 and 11 on SKA-103A.

Item No. 24  Bidder Question: As a filed sub bidder for painting, we request clarification on the following:

1. Please confirm that all new fire protection piping is concealed.

2. Is there any way for the painting filed sub bidder to quantify the total linear feet of exposed electrical conduit scheduled for field paint?
Response: 1. All fire protection piping will be concealed.
2. The painting sub-bidder shall be responsible for field painting 250 linear feet of 1” galvanized steel conduit.
Item No. 25  Bidder Question: The Stainless steel enclosure on the exterior of the building. Can the architect issue a gauge/thickness of the material. Also can the floor to floor heights be issued so we can determine the overall height of the building.  
Response: As previously stated, the metal enclosure will have 12ga. Thickness. The overall building height is an estimated 225’ from the ground level. See details 10 and 11 on sheet SKA-103-A.

Item No. 26  Bidder Question: Section 011000  1.9 A Verify this is correct.  
Response: This section is correct

Item No. 27  Bidder Question: Section 015000  1.5 A1, A2, A3 Verify rigging and hoisting is the responsibility of each sub.  
Response: Rigging and hoisting is the responsibility of the general contractor. See clarification in this addendum.

Item No. 28  Bidder Question: Section 017329  1.2 A1 Verify this is correct.  
Response: This section has been modified within this addendum. The general contractor is responsible for cutting and patching at areas not addressed in the Division 21, Division 23 and Division 26.

Item No. 29  Bidder Question: Section 014000  1.6 A Verify GC is responsible for testing.  
Response: The general contractor is responsible for testing as specified.

Item No. 30  Bidder Question: Section 020510 Page 1 to 7, Verify GC is responsible for all demolition  
Response: The general contractor is responsible for demolition and removal of material and equipment after they are made safe by the appropriate subcontractor.

Item No. 31  Bidder Question: Just started looking at these and had a quick question. Drawing C1.0 calls for the existing concrete walk control / expansion joints to be abated before saw cutting, but this work is not mentioned in the asbestos abatement section. Can you please clarify? Also, on that same drawing it calls for the contractor to test the existing foundation wall for asbestos. Is this correct?  
Response: All concrete control and expansion joints shall remain. The general contractor shall maintain a minimum of 12” clearance on each side of all joints to avoid disturbance of the joints. All new utilities shall be tunneled under these joints.

Response: The waterproofing at the building foundation wall has been tested (see specification) and found to contain asbestos. This material shall be abated to install new services.

Item No. 32  Bidder Question: Section 057300 Decorative Metal Railings includes exterior steel and iron railings. Pg. 1, 1.1, 2 lists Painting as a related section and Pg. 8, 2.9 indicates that the railings are shop-primed, but Section 099100, Pg. 3, 1.3, C, 1, i says that exterior railings are factory finished and Detail 9/A-101 shows them as aluminum. Please clarify the following:

A) What material are the exterior railings made of?  
Response: Exterior railings are aluminum.

B) What finish is required for the exterior railings?  
Response: Finish shall be anodized aluminum. No field painting.
C) Which trade applies the required finish?
Response: Rails to be provided, finished and installed by Section 055000

Item No. 33  Bidder Question: Section 230000, Pg. 24, Fuel Distribution Piping 2.5, B, 3 includes priming and applying epoxy finish paint. Please clarify whether any of the painting work associated with the Fuel Distribution Piping is part of the work of 099100 or if all required finishes are applied under the scope of 230000.
Response: Section 099100 is not responsible for finishes on any part of the Fuel Distribution Piping.

Item No. 34  Bidder Question: Please clarify the scope, if any, of steel dunnage to be field painted by 099100.
Response: Steel dunnage is galvanized and is not required to be painted.

Item No. 35  Bidder Question: 260000 3.11 D Clarify if the 10' spacing is required for additional supports.
Response: Include supports spaced at intervals which are no greater than 10' as specified.

Item No. 36  Bidder Question: The Common Electrical floor drawings E1.2, E1.3, E1.4, for demo, does not show all of the existing hallway, corridor, stair fixtures on emergency circuits. It does show the new fixtures on emergency circuits. Because the Electrical Code does not allow normal power and emergency power circuits to share the same conduit, verify that those existing conduit runs have no other normal power circuits in them and they will be only occupied by the emergency circuits as shown.
Response: Conduit containing emergency power circuits contain emergency circuit wiring and shall not contain non-emergency circuiting.

Item No. 37  Bidder Question: Drawing E1.5 Generator and diesel fuel - the disposal of the existing 125KW generator and diesel fuel will be by the EC or GC. Please clarify.
Response: Electrical Contractor to disconnect and make safe, General Contractor to remove and dispose. See SKE-06 for clarification.

Item No. 38  Bidder Question: Drawing E1.2 Room 219 and 220 has (9) fixtures that are marked XME on both Electrical demo and new. Please clarify.
Response: See E0.1 “XME” under existing equipment.

Item No. 39  Bidder Question: Drawing E1.3, E1.4 5th, 12th and 19th floor New Electrical closet is the chase being provided by the EC or GC. Please clarify.
Response: The General Contractor to provide.

Item No. 40  Bidder Question: Drawing E1.5 23rd floor Electrical Demo note - Existing 5" exhaust w/insulation to be removed. Contractor shall retain the services of a licensed Asbestos Contractor to remove and dispose of Generator Exhaust. Will this done the EC or GC. Please clarify.
Response: General Contractor to provide. See SKE-06 for clarification.
Item No. 41  Bidder Question: Drawing E0.3 Please provide conduit size and type for the diesel tank fill station.
Response: Per Specification, PVC conduit to be used. See SKE-02 for size.

Item No. 42  Existing Roof: The present roofing system includes a PVC membrane manufactured by Sarnafil. All new work is required to be performed by a Sarnafil approved roofing contractor. The roofing contractor shall be responsible to provide documentation that the new work is certified by Sarnafil and the present warranty is maintained.
Response: See detail on sheet SKA-101-A included in this addendum.

Item No. 43  A minimum 4 in. liquid-tight curb should be provided for the generator area and the pump area.
Response: See detail 7 on sheet SKA-102-A included in this addendum.

Item No. 44  See SKA-100-A included in this addendum for Revised shaft wall condition. The wall has been revised to accommodate for the expansion of door 03A.

Item No. 45  See revised door schedule on sheet SKA-103-A included in this addendum. Doors 03A and 01B have been enlarged to facilitate the passage of larger equipment. Both doors are now 3’ – 6” wide.

Item No. 46  See SKA-100-B included in this addendum for enlarged door 01B, and for the revised concrete pad detail.

Item No. 47  See SK-102-A included in this addendum for revised notes, and revised concrete pads.

End of Addendum #2

By: John O. Martin
Director of Procurement
COORD. DIMENSIONS WITH ELECTRICAL ENGINEER FOR REQUIRED PIPE CLEARANCES

4' - 2"

NEW ELECTRICAL CONDUIT/PIPING. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION

NEW DOOR AND FRAME. SEE DOOR SCHEDULE FOR MORE INFORMATION

PROVIDE 3/4" PLYWOOD, FLOOR TO CEILING, AROUND THE ENTIRE ROOM. PLYWOOD SHALL BE FIRE RETARDANT. PAINT PLYWOOD WITH 2 COATS OF WHITE PAINT. TYP. FOR ALL ELEC. ROOMS

UNIVERSITY OF MASSACHUSETTS AMHERST
WASHINGTON HOUSE EMERGENCY SYSTEM UPGRADES

ADDITION No. 2
BASEMENT SHAFT WALL REVISION

UNIVERSITY OF MASSACHUSETTS AMHERST
WASHINGTON HOUSE EMERGENCY SYSTEM UPGRADES

CAOLO & BIENIEK ASSOCIATES, INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
521 East Street Chicopee, Massachusetts 01020-4161
#413-594-300 Fax #413-594-2900 info@CBAarchitects.net

Scale 1 1/2" = 1'-0"
CONCRETE PAD TO BE 5'-0" x 4'-0" x 8" HIGH WITH 6x6 W.W.F. COORDINATE FINAL SIZE WITH FUEL PUMP SUPPLIER

COORD. DIMENSIONS WITH REQUIRED EQUIPMENT CLEARANCES

10'-4 1/4" +/-

COORD. DIMENSIONS WITH REQ'D EQUIPMENT CLEARANCES

6'-0" +/-

PUMP ROOM

SU4

SU4

PROVIDE BACKER ROD AND RATED SEALANT AT WALL TRANSITION EDGES, TYP.

2HR RATED ROOM ENCLOSURE. INSTALL 2HR RATED SUSPENDED SHAFT CEILING SYSTEM: UL Des. K504

CONCRETE PAD TO BE 5'-0" x 4'-0" x 8" HIGH WITH 6x6 W.W.F. COORDINATE FINAL SIZE WITH FUEL PUMP SUPPLIER

WASHINGTHN HOUSE EMERGENCY SYSTEM UPGRADES

UNIVERSITY OF MASSACHUSETTS AMHERST

CAOLO & BIENEK ASSOCIATES, INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
521 East Street Chicopee, Massachusetts 01020-4161
#413-94-2800 Fax (413) 594-2900 info@cbarchitects.net

ADDENDUM No. 2
BASEMENT PUMP ROOM PLAN

Project number UMA17-09
Date 1/17/17
Drawn by
Checked by
Scale 1/2" = 1'-0"
PROVIDE CONT. BEAD OF SEALANT COMPATIBLE WITH ROOF MEMBRANE, TYP.

EXISTING ROOF STRUCTURE

NEW THREE-Ply TIE-IN MEMBRANE TO TIE EXISTING AND NEW ROOFING MEMBRANE TOGETHER

EXISTING MEMBRANE ROOFING OVER EXISTING INSULATION, OVER EXISTING ROOF STRUCTURE

NEW P.T. FIRE RETARDANT WOOD BLOCKING

NOTES:
1. ALUMINUM TAPE IS REQUIRED IF EXISTING PENETRATION IS CONTAMINATED
2. VAPOR BARRIER SHALL BE SEALED AT EDGES
3. NEW PATCH-IN ROOF MEMBRANE TO MATCH HEIGHT OF EXISTING ROOF MEMBRANE

NEW THREE-Ply TIE-IN MEMBRANE TO TIE EXISTING AND NEW ROOFING MEMBRANE TOGETHER

NEW P.T. FIRE RETARDANT WOOD BLOCKING

EXISTING ROOF STRUCTURE

PROVIDE CONT. BEAD OF SEALANT COMPATIBLE WITH ROOF MEMBRANE, TYP.

NEW SINGLE PLY MEMBRANE OVER 5/8" ROOF SHEATHING, OVER 3" MIN. NON-COMBUSTIBLE INSULATION

STAINLESS STEEL HOSE CLAMP

BASE FLASHING, HOT AIR WELDED

SINGLE PLY FLASHING MEMBRANE, TYP.
NOTE: ALL DOORS SHALL HAVE BEST LOCK CYLINDERS THAT ARE COMPATIBLE WITH UMA RESIDENTIAL LIFE KEYING SYSTEM. CORES WILL BE INSTALLED BY UMA.

- **Frame Type 1**: 10 3/4" VIF
- **Frame Type 2**: 3' - 0" 7' - 0" 1 3/4" HM 1 HM B
- **Frame Type 3**: 1910A A 4' - 0" 7' - 0" 1 3/4" HM 1 HM B
- **Frame Type 4**: 1210A A 4' - 0" 7' - 0" 1 3/4" HM 1 HM B

### Mark PANEL DESCRIPTION THICKNESS NOTES

- **Windows**:
  - **clear glass**: 3' - 5 1/2" VIF
  - **obscure glass**: 7/32" VIF

### EXISTING STOREFRONT MODIFICATIONS

- **Remove existing glass panel. Replace with new panel to match existing (Type 3)**
- **Exist existing opaque glass panel to remain**
- **Remove existing window screen. Sashs in the closed position. Permanently fix the operable sections.**
- **Abate the window frames and joint sections.**
- **Remove any hazmat material and exist existing and partition.**

### FUEL PIPES AND COVER DETAIL

- **Demolition detail**: 2 1/2" MTL. STUD WALL, GWB ON ONE SIDE 2HR SHAFTWALL SYSTEM UL Des No U438
- **Shaftwall detail**: 3 5/8" MTL. STUD WALL, GWB ON ONE SIDE 2HR SHAFTWALL SYSTEM UL Des No U419

### SMOKING SCHEDULE

- **Room**: **Pump**
- **Project No**: 1008691
- **Author**: 12/6/16
- **Fax**: (413) 594-2900
- **info@architects.net**
LIGHTING FIXTURE SCHEDULE

NOTE: This sheet is a general list of symbols and abbreviations and shall be used as a dictionary to define material notes on this project. All abbreviations and symbols are not exclusive and shall be used as a convention to define material notes on this project. Section unless specifically indicated otherwise.

SYMBOL LEGEND
2 #10 + #10G IN 1°C BELOW SLAB.

1,000 GALLON BURIED DIESEL FUEL TANK

PROVIDE EXPLOSION PROOF SWITCH FOR LIGHTING IN TANK VAULT.

4 #10 + #10G IN 1°C BELOW SLAB.

DIESEL TANK FILL STATION (F&I BY HVAC), E.C. TO PROVIDE POWER FOR CONTROLS & ALARMS

GARCIA•GALUSKA•DESOUSA
CONSULTING ENGINEERS INC.
370 Faunce Corner Road, Dartmouth, MA 02747-1271
508-998-5700•E-MAIL INFO@GG-d.com

REF: E0.3
BASEMENT FLOOR PLAN - ELECTRICAL

SCALE: 1/8" = 1'-0"

BASEMENT FLOOR PLAN - ELEC. DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

GARCIA GALUSKA DESOUSA
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EAOLO & BIENIEK ASSOCIATES, INC.
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UNIVERSITY OF MASSACHUSETTS AMHERST
WASHINGTON HOUSE EMERGENCY SYSTEM UPGRADES

Project Status
BASEMENT PLAN REVISIONS
Project number: UMA17-09
Date: 1/17/2017
Drawn by: DH
Checked by: DMP
Scale: AS NOTED

REF: E1.1

SKE-03
1
5TH FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"

2
12TH FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"
(1) UL-142 LISTED 1000 GALLON ABOVEGROUND DOUBLE WALL DIESEL TANK WITH SECONDARY CONTAINMENT CHAMBER FOR OVER FILL. 24 HR OPERATION WILL UTILIZE 600 GALLONS. REFER TO SPECIFICATIONS AND DETAILS FOR FURTHER INFO AND REQUIREMENTS.

MISC. METALS CONTRACTOR PROVIDE A 14 GAUGE POLISHED STAINLESS STEEL COVER TO PROTECT AND CONCEAL THE PIPING AND ITS SUPPORT BRACKETS AS IT TRAVELS UP THE BUILDING FACADE. COVER SHALL SURROUND PIPING ON ALL THREE SIDES AND BE FASTENED TO THE BUILDING AS REQUIRED. ALL FASTENERS/SUPPORTS SHALL BE STAINLESS STEEL. COVER TO EXTEND DOWN TO GRADE.

PEDESTAL FILL STATION WITH OVERFILL VISUAL WARNING LIGHT AND ALARM SIREN, TO BE GRADE MOUNTED. REFER TO THE BASEMENT MEC Plan AND CIVIL DRAWINGS FOR EXACT LOCATION.

UNDERGROUND DOUBLE WALL FUEL OIL PIPING, VENT PIPING AND CONTROL

ALL UNDERGROUND, RETURN PIPING SHALL DETECTION SYSTEM. DE-ACTIVATE AND AN IN THE DDC SYSTEM.

52 GPH AT 200 PSI AUTOMATIC TRANSFER DUPLEX PUMP SET

GARCIA-GALUSKA-DESOUSA
CONSULTING ENGINEERS INC.
370 Faunce Corner Road, Dartmouth, MA 02747-1271
508-998-5700 E-MAIL INFO@G-g-d.com

UNIVERSITY OF MASSACHUSETTS
AMHERST
WASHINGTON HOUSE EMERGENCY SYSTEM UPGRADES

Project Status
HVAC FUEL OIL ENCLOSURE NOTE REVISION

Project number UMA17-09
Date 1/17/2017
Drawn by RR
Checked by LV
Scale N.T.S.

REF: M1.1
EXISTING 2-1/2" HOT WATER RISER TO REMAIN

EXISTING HOT WATER FINTUBE RADIATION TO BE REMOVED, HOT WATER PIPING SERVING FINTUBE SHALL BE CUT AND CAPPED ON FLOOR BELOW (BASEMENT). REMOVE ALL FINTUBE RELATED APPURTENANCES SUCH AS PIPING, CONTROLS, THERMOSTAT, COVER, HANGERS ETC FOR A COMPLETE REMOVAL. ISOLATE AND DRAIN EXISTING HOT WATER PIPING TO ALLOW FOR DEMOLITION OF FINTUBE RADIATION. PATCH EXISTING FLOOR PENETRATIONS WITH CONCRETE, FINISH SHALL MATCH ADJACENT SURFACE.

EXISTING 1-1/2" HOT WATER RISER TO REMAIN

PROVIDE 3.0 KW ELECTRIC HORIZONTAL UNIT HEATER W/ INTEGRAL THERMOSTAT AND WALL BRACKET SIMILAR TO "Q-MARK" MODEL MUH0381 (208V/1Ø).