



Salem State University

JONES ARCH

Addendum #03

ADMINISTRATION BUILDING ROOF AND SIDEWALK REPLACEMENT
Salem State University – North Campus
Salem, MA

MASS. STATE PROJECT NO. SSU-2021-A Contract #1
CAMIS NO. J226800
JONES ARCHITECTURE PROJECT NO. 2011

August 21, 2020

01.01 The attached documents clarify and supersede previous documents regarding Asbestos Abatement at the roof as well as Corridor and Boiler Room adjacent to the Tunnel.

Attachments:

- *Addendum to Asbestos Abatement Specification 028200*
- *Sheet A004 - ROOF KEY PLAN - DEMO & EQUIPMENT SCHEDULE (Rev 01)*

TO: All Bidders (via email)

FROM: John Vaz, Senior Project Manager – EFI Global

RE: Addendum #3

DATE: August 20, 2020

SUBJECT: Asbestos Abatement – Specification 028200
Salem State University
Administration Building Roof Replacement Project
Salem, Massachusetts

ADDENDUM #3

Attached please find Addendum #1 to the Specification for Asbestos Abatement and Related Work associated with the Administration Building Roof Replacement Project, at Salem State University in Salem, Massachusetts. The items set forth herein, whether omission, addition, substitution, or clarification, shall be included in and form part of the submitted bid.

This Addendum modifies, amends, clarifies, and supplements designated parts of the Contract Documents for the above-titled project, and is hereby made a part thereof by reference, and shall be as binding as though inserted in its entirety in the locations designated hereunder. It shall be the responsibility of each bidder to notify all sub-contractors and suppliers he/she proposes to use for the various parts of the work of any changes and modifications contained in this Addendum. No claim for additional compensation due to lack of knowledge of the contents of this Addendum will be considered.

A. SCOPE OF WORK CHANGES

1. The following deletions have been made to the Scope of Work:

Per client request, the abatement of the Brown Window Glazing on Boiler Plant Roof (approximately 100 LF), has been removed from the scope of this project, and its removal is not to be included in the costs of abatement. Delete all associated work and costs.

2. The following additions have been made to the Scope of Work:

- a. Additional asbestos-containing material will be added to the existing scope based on the findings of EFI's asbestos survey of the basement corridor of Sullivan Hall in July 2020. The additional material listed in the Table below should be added to the scope of work. Provide additional pricing for proper removal and disposal of the following, including all labor, profit, materials and associated fees:

Description of Work	Material Location	Estimated Quantity
Remove and properly dispose of asbestos-containing pipe insulation. Removal of pipe insulation shall be conducted utilizing the procedures described in 310 CMR 7.15(9) and 453 CMR 6.14 (4)(e).	Sullivan Hall – Basement Boiler Room and Adjoining Corridor	305 LF

- b. These materials shall be abated utilizing negative-pressure glovebag systems in accordance with 310 CMR 7.15(9) and 453 CMR 6.14(4)(e). Specific procedures for abatement utilizing negative pressure glovebag systems is presented below. Alternatively, these materials can be abated utilizing traditional asbestos abatement procedures (including construction of negative-pressure containments) in accordance with 310 CMR 7.15(7) and 453 CMR 6.14(4).
- c. Asbestos Removal Procedures – Glovebag Removal
 - 1. For activities that disturb friable ACM, no visible emissions shall be discharged to the outside air during the collection, processing, packaging, or transporting of any ACM/ACWM.
 - 2. Glovebags shall be used only on those facility components for which they are specifically designed and they shall not be modified for use on any other type of facility component. Glovebags shall be constructed of six-mil thick (minimum) plastic sheeting and be seamless at the bottom.
 - 3. Glovebags shall be used only once and shall not be moved along the facility component from where they are initially applied.
 - 4. Glovebags shall not be used to abate facility components hotter than 150°F.
 - 5. The work area shall be isolated in accordance with 310 CMR 7.15(7)(c)(5)(c) and cleaned of visible debris by wet wiping/HEPA vacuuming prior to installation of the glovebag.
 - 6. Glovebags shall be installed so as to form an airtight covering around the facility components on which they are to be used. Any friable ACM in the immediate area of glovebag installation shall be wrapped and sealed in two layers of six-mil thick plastic sheeting or otherwise maintained intact prior to glovebag installation. Where points of attachment of the glovebag are not airtight, they shall be rendered airtight by wrapping with re-wettable fiberglass cloth, or equivalent material, prior to attaching the glovebag. All openings in the glovebag shall be sealed against leakage with duct tape or equivalent.
 - 7. ACM shall be adequately wetted with amended water prior to removal and shall be maintained in an adequately wet condition inside the glovebag.
 - 8. Any ACM that has been exposed as a result of the glovebag operation shall be removed, encapsulated, or enclosed so as to prevent the leakage of asbestos fibers prior to the removal of the glovebag.
 - 9. All surfaces inside the glovebag from which ACM has been removed and upper portions of the glovebag itself shall be cleaned free of visible debris prior to the removal of the glovebag.
 - 10. Debris shall be isolated in the bottom of the glovebag by twisting the bag so as to form a closure in the middle. This closure shall then be taped around with duct tape or the

equivalent. Air in the glovebag shall be exhausted with a HEPA vacuum prior to its removal.

11. Following removal from the facility component, the glovebag and its contents shall be containerized in accordance with 310 CMR 7.15(15) and 19.000: Solid Waste Management.

END OF ADDENDUM

ROOF EQUIPMENT SCHEDULE

ALL INFORMATION TO BE FIELD VERIFIED. SEE MECH DRWGS AND SPEC, AND EXISTING CONDITIONS REPORT FOR MORE INFORMATION.

LOCATION NUMBER	EQUIPMENT TYPE	ACTION - BY MECH AND ELEC SUB CONTRACTOR	PANEL	CIRCUIT	ROOM SERVED	TIMING REQ'S
1	AIR HANDLER	REMOVE AND RE-INSTALL	ELEC RM 115 - MDP PANEL	7,9,11		
2	AIR HANDLER	REMOVE AND RE-INSTALL	ELEC RM 115 - MDP PANEL	1,3,5		
3	EXHAUST FAN	REMOVE AND RE-INSTALL	MEZZ PANEL GP-2	25		
4	AIR HANDLER	REMOVE AND RE-INSTALL	1ST FL CORR	2,4,6		
5	EXHAUST FAN	REMOVE AND RE-INSTALL	BOILER RM - PB PANEL	7,9,11		
6	AIR HANDLER	REMOVE AND RE-INSTALL	1ST FL CORR	1,3,5		
7	CONDENSING UNIT	REMOVE AND RE-INSTALL	TRAINING RM - TL-12	32,34	TRAINING RM	
8	AIR HANDLER	REMOVE AND RE-INSTALL	1ST FL CORR	7,9,11		
9	CONDENSING UNIT	REMOVE AND RE-INSTALL	ELEC RM 011 - PP1 PANEL		THEATER CRAFT SHOPS	
10	CONDENSING UNIT	REMOVE AND RE-INSTALL	ELEC RM 011 - PP1 PANEL		1ST FL HR SPACE	
11	EXHAUST FAN	REMOVE AND RE-INSTALL	BOILER RM - CUTLER HAMMER SWITCH BOARD	29		
12	GRAVITY VENTILATOR	REMOVE AND RE-INSTALL				
13	BOILER FLUE	REMOVE AND RE-INSTALL				
14	VENT	REMOVE AND RE-INSTALL				
15	AIR HANDLER	REMOVE AND RE-INSTALL	RM 209 - PANEL LP-B	26,28,30		
16	AIR HANDLER	REMOVE AND RE-INSTALL	ELEC RM 115 - MDP PANEL	38,40,42		
17	AIR HANDLER	REMOVE AND RE-INSTALL	RM 209 - PANEL LP-B	20,22,24		
18	EXHAUST FAN	REMOVE AND RE-INSTALL	UNKNOWN			
19	GRAVITY VENTILATOR	REMOVE AND RE-INSTALL	MEZZ PANEL GP-2	1,3,5		
20	AIR HANDLER	REMOVE AND RE-INSTALL	ELEC RM 115 - MDP PANEL	2,4,6		
21	AIR HANDLER	REMOVE AND RE-INSTALL	MEZZ PANEL L2	32,34,36		
22	EXHAUST FAN	REMOVE AND RE-INSTALL	MEZZ PANEL L2	26,28,30		
23	EXHAUST FAN	REMOVE AND RE-INSTALL	MEZZ PANEL L2	2,4,6,17,19,21		
24	EXHAUST FAN	REMOVE AND RE-INSTALL	MEZZ PANEL L2	26,28,30		
25	EXHAUST FAN	REMOVE AND RE-INSTALL	MEZZ PANEL L2, GP-2	L2 - 8,10,12 / GP-2 -9		
26	CONDENSING UNIT	REMOVE AND RE-INSTALL	KITCHEN PANEL KP1A	43,45,47,49,51,53,55,57,59		
27	GRAVITY VENTILATOR	REMOVE AND RE-INSTALL				
28	AIR HANDLER	REMOVE AND RE-INSTALL	ELEC RM 115 - MDP PANEL	19,21,23		
29	AIR HANDLER	REMOVE AND RE-INSTALL	ELEC RM 115 - MDP PANEL	25,27,29		
30	VENT	REMOVE AND RE-INSTALL				

EQUIPMENT NOTES:

- MECHANICAL CONTRACTOR TO FURNISH AND INSTALL NEW ROOF CURBS, RAILS, OR SUPPORT STANDS AS REQ'D - COORDINATED w/ (SIZED TO FIT) EXISTING EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ROOF REPLACEMENT SHALL BE COORDINATED SUCH THAT DISRUPTION TO BUILDING USE AND OCCUPANTS IS MINIMAL. TIMING FOR MECHANICAL EQUIPMENT REMOVAL AND RE-INSTALLATION TO BE COORDINATED CLOSELY WITH OWNER.

DEMO LEGEND

--- ACM TO BE REMOVED

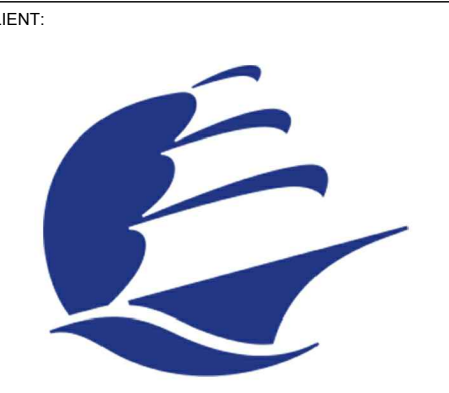
SPECIFIC DEMOLITION NOTES

- A** REMOVE EXISTING ROOFING WITHIN SCOPE OF WORK DOWN TO METAL DECK (VIF), INCLUDING, BUT NOT LIMITED TO, ADHERED EPDM ROOF MEMBRANE, STYROFOAM INSULATION, VAPOR RETARDER, FLASHING, TERM BARS, REGLETS, BLOCKING, AND FASCIAS.
- AA** REMOVE EXISTING ROOFING WITHIN SCOPE OF WORK DOWN TO METAL DECK (VIF), INCLUDING, BUT NOT LIMITED TO, ADHERED EPDM ROOF MEMBRANE, STYROFOAM INSULATION, VAPOR RETARDER, FLASHING, TERM BARS, REGLETS, BLOCKING, AND FASCIAS.
- B** REMOVE ALL ROOF DRAINS, REFER TO PLUMBING DRAWINGS.
- C** REMOVE EQUIPMENT CURBS WHERE REQ'D.
- D** REMOVE EXISTING CAP AT BOILER VENT STACK, PIPING TO REMAIN; PREPARE FOR NEW T-ZCC CAP
- E** REMOVE ACM AT BLOCK WALL BASE FLASHING (GRAY SEALANT ABOVE FLASHING ONLY)* EXISTING FLASHING TO REMAIN.
- F** REMOVE ACM AT MASONRY WALL BASE FLASHING (GRAY SEALANT)* CUT OFF FLASHING AND REMOVE MASONRY PER ELEVATIONS AND DETAILS.
- G** REMOVE ACM AT MASONRY WALL BASE FLASHING (MASTIC ON FLASHING)* CUT OFF FLASHING AND REMOVE MASONRY PER DETAIL 6/A501.
- H** REMOVE ACM AT MECHANICAL UNIT FLASHING*

*REFER TO ASBESTOS ABATEMENT SPECIFICATIONS AND REPORT FOR ADDITIONAL INFORMATION REGARDING REMOVAL OF HAZARDOUS MATERIALS



1 ROOF PLAN
1/16" = 1'-0"



SALEM STATE UNIVERSITY
352 LAFAYETTE STREET
SALEM, MA 01970
978.542.8000

PROJECT:
ADMINISTRATION BUILDING, DINING COMMONS, AND BOILER PLANT - ROOF AND SIDEWALK REPLACEMENT
SSU-2021-A, CONTRACT #1

BUILDING: ADMIN BUILDING
FLOOR: B, 1, 2, ROOF
OWNER/PROJECT#: 1226907
CLIENT: SALEM STATE UNIVERSITY
TOTAL GSF: 29,500 SF

Issue:
100% CONSTRUCTION DOCUMENTATION

1 8/21/2020 ADDENDUM #3
No. Date Revision



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Salem, MA 01970
978.744.5200
www.jonesarch.com

STAMP:

DATE: JULY 31, 2020
PROJECT NUMBER: 2011 SCALE: AS NOTED

DRAWING TITLE:
ROOF KEY PLAN - DEMO & EQUIPMENT SCHEDULE

A0 04

