



ADDENDUM NO. 2

PAGE 1 of 4

This Addendum contains changes to the requirements of the Bidding Documents, Technical Specifications and Construction Drawings, which have been issued to date. Such changes are to be incorporated into the Construction Documents and shall apply to the Work with the same meaning and force as if they had been included in the original documents. Wherever this Addendum modifies a portion of a paragraph of the Project Manual, or portion of any Drawings, the remainder of the paragraph or Drawing shall remain in force;

A. SPECIFICATIONS

1. Specification Section 011000 - Summary.

a. REVISE paragraph 1.4. A.1 to read as follows:

- 1) "Project will be constructed under a single prime contract. Contracts for this project shall be the following:

a. Contract No. 101: MECHANICAL CONTRACT"

2. Specification Section 028213 – Asbestos Abatement

a. REVISE Paragraph 1.3 (G)(1.) to read as follows:

1)

Asbestos-containing Material	Total Quantity	Friability	OSHA Work Class	EPA Material Category
Duct Caulk – White	70 SF	Non-Friable	Class II	Cat. II

3. Specification Section 210500 - Basic Fire Suppression Requirements

a. DELETE Article 1.11 "Utility Company Services" in its entirety.

4. Specification Section 230500 - Basic HVAC Requirements

a. DELETE Article 1.11 "Utility Company Services" in its entirety.

5. Specification Section 230550 - Wind Restraint for HVAC Systems.

a. REVISE paragraph 1.4. A. 3 to read as follows:

- 1) "Systems requiring wind restraint including, but not limited to:

- a) Exhaust Fans.
- b) Louvered intake or relief penthouses.
- c) Hooded intake or relief ventilators.

- d) Roof curbs and pipe/duct/equipment supports associated with any of the equipment listed above."
- 6. Specification Section 230923 - Building Management System DDC Logic.
 - a. REVISE paragraph 1.3. C. to read as follows:
 - 1) "The BMS Contractor/Subcontractor shall have a local service department (within a 200 miles radius) and have available a minimum of three (3) factory trained technicians within a 24 hour period."
 - b. REVISE paragraph 2.8. A. to read as follows:
 - 1) "Provide a web browser interface that will be accessible to any computer on the Owner's Intranet with Microsoft Internet Explorer 8.0 or higher. The system shall supply a minimum of 10 simultaneous users to access the system. The Web Browser Interface shall include the following features."
 - c. REVISE paragraph 2.9. A.1. to read as follows:
 - 1) "The following meters shall be included in this system:
 - a) Electric Meter (Quantity one (1) per building)."
- 7. Specification Section 232010 - Piping Systems and Accessories.
 - a. REVISE paragraph 3.16. B. to read as follows:
 - 1) "After the hot water heating system has been tested and thoroughly flushed, the entire existing to remain portion of the piping system shall be cleaned by, or as per, the Water Treatment Subcontractor."
- 8. Specification Section 232110 - Water System Specialties.
 - a. REVISE paragraph 2.18. A.1. to read as follows:
 - 1) "One (1) sixteen-gallon polyethylene solution tank and accessories."
- 9. Specification Section 233101 - Mechanical Cleaning of HVAC Systems.
 - a. REVISE paragraph 1.2. B. to read as follows:
 - 1) "Requirements for mechanical cleaning of existing to remain air conveyance systems (ACS) and other existing to remain mechanical components including (but not limited to) following:"
- 10. Specification Section 260500 - Basic Electrical Requirements
 - a. DELETE Article 1.11 "Utility Company Services" in its entirety.

11. Specification Section 280500 - Basic Electronic Safety and Security Requirements

- a. DELETE Article 1.11 "Utility Company Services" in its entirety.

B. DRAWINGS

1. Drawing AD100 – FIRST FLOOR DEMOLITION

- a. REVISE Plan 1 to capture enlargement of existing mechanical openings to accommodate new work.

2. Drawing AD111 – CEILING DEMOLITION PLANS.

- a. REVISE Plan 1 and associated keynotes and legend as depicted on SK-A1.

3. Drawing A110 – CEILING ALTERATION PLANS.

- a. REVISE Plan 1 to illustrate existing to remain door frames at hallways leading from Corridor 0009 to Recovery RMs 0031 and 0030 in place of planar ceiling transition.

4. Drawing HM-100 & HM-101

- a. REVISE Keyed Asbestos Removal Note 3 to:

- 1) "3. REMOVE AND PROPERLY DISPOSE OF ASSUMED ASBESTOS-

CONTAINING RECESSED LIGHT FIXTURE CLOTH WHIP WIRE
INSULATION BACK TO NEAREST JUNCTION BOX. REMOVAL IS
CONSIDERED OSHA CLASS II WORK. ALL WASTE GENERATED
SHALL BE CONSIDERED EPA CATEGORY II NON-FRIABLE."

6. Drawing HM-100

- a. REMOVE Keyed Asbestos Removal Note 2 from Room B2 – Mechanical Room

7. Drawing M501 - Details - HVAC.

- a. ADD Detail note F. to Detail 7 to read as follows:

- 1) "F. Thermometers are only required on AHU coil connections."

8. Drawing M801 - Control Schematics - HVAC.

- a. REVISE Detail 4 as depicted on SK-M1, attached hereto.

ATTACHMENTS

The following Specifications, Drawings, Sketches and miscellaneous items are attached and shall become a part of Addendum No. 2:

Specifications

N/A

Drawings

HM-100 – BASEMENT HAZARDOUS MATERIALS ABATEMENT PLAN
HM-101 – FIRST FLOOR HAZARDOUS MATERIALS ABATEMENT PLAN

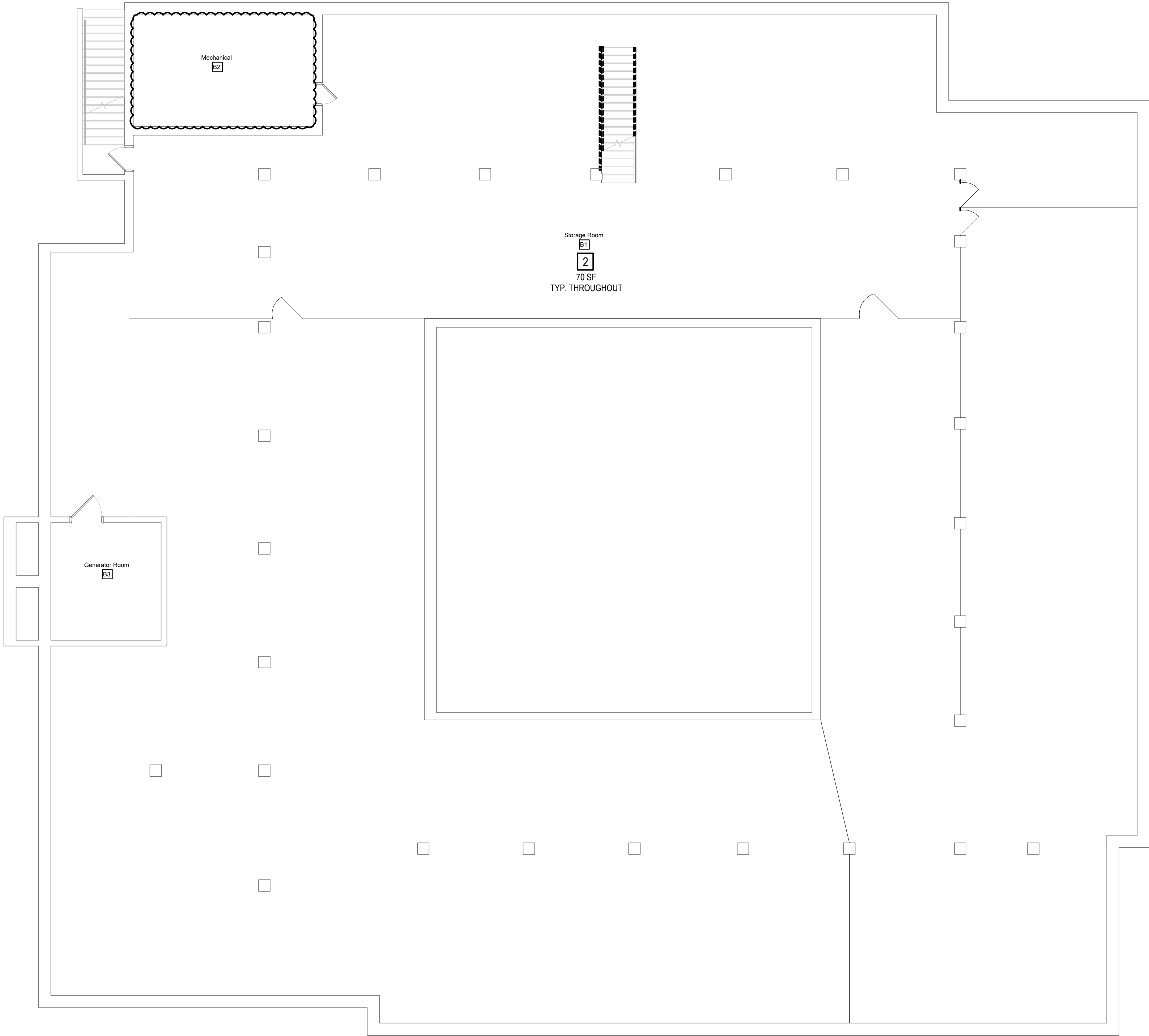
Sketches

SK-A1, SK-A2, SK-A3, SK-M1

RFI Log

051039_RFI Log

END OF ADDENDUM NO. 2



GENERAL DRAWING NOTES:

- A. PERFORM ALL WORK, INCLUDING AREA CONTAINMENT MEASURES AND REMOVAL, IN STRICT ACCORDANCE WITH: THE PROJECT SPECIFICATION, ALL FEDERAL, STATE AND LOCAL REGULATIONS, AND ANY APPROPRIATE APPLICABLE VARIANCES AND SITE-SPECIFIC VARIANCES. APPLICABLE REGULATIONS INCLUDE, BUT ARE NOT LIMITED TO: OSHA 29 CFR 1926 SUBPART Z, 40 CFR PART 763 (AHERA), 40 CFR PART 61 SUBPART M (NESHAP STANDARD FOR DEMOLITION AND RENOVATION), AND NEW YORK STATE INDUSTRIAL CODE RULE 56.
- B. THE DISTURBANCE OF ANY ASBESTOS-CONTAINING MATERIAL, OR SUSPECT MATERIAL, SHALL BE PERFORMED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR.
- C. AREAS UNDER ABATEMENT SHALL BE PROPERLY POSTED WITH WARNING SIGNS AND SECURED TO PREVENT UNAUTHORIZED ENTRIES.
- D. KEEP THE WORK AREA IN A CLEAN AND SAFE CONDITION, PROVIDE TEMPORARY PROTECTION, PROTECT BUILDING MATERIALS SCHEDULED TO REMAIN, AND PREVENT UNAUTHORIZED ACCESS DURING THE DURATION OF THE PROJECT. CLEAN UP ALL CONTAMINANT WORK AREAS, SPECIFICALLY TAPE/ADHESIVES RESIDUE FROM ALL SURFACES, REPAIR DAMAGE CAUSED AS A RESULT OF INADEQUATE TEMPORARY PROTECTION OR PREPARATION AND ABATEMENT ACTIVITIES, INCLUDING DAMAGE TO FINISHES RESULTING FROM CONTAINMENT MEASURES.
- E. REFER TO THE ENTIRE SET OF CONTRACT DOCUMENTS FOR COORDINATION OF SCOPE.
- F. THE LOCATION OF ANY ON-SITE STORAGE OF MATERIALS, EQUIPMENT DUMPSTER/WASTE TRAILER AND DECONTAMINATION FACILITIES SHALL BE COORDINATED WITH AND APPROVED BY THE
- G. PROVIDE ALL TOOLS, EQUIPMENT, AND SUPPLIES. THE WILL NOT BE LIABLE FOR THEFT OR DAMAGE.
- H. ALL ABATEMENT AND/OR REMOVAL OF ASBESTOS CONTAINING MATERIALS MUST PASS VISUAL INSPECTION AND CLEARANCE PROCEDURES PER 12NYCRR56 BEFORE GENERAL CONSTRUCTION WORK MAY COMMENCE.
- I. A SITE SPECIFIC VARIANCE FOR THIS PROJECT HAS NOT BEEN APPLIED FOR. ANY VARIANCE APPLICATION PREPARED BY THE CONTRACTOR OR ITS AGENT MUST BE SUBMITTED TO THE FOR APPROVAL PRIOR TO SUBMISSION TO THE STATE OF NEW YORK DEPARTMENT OF LABOR ENGINEERING SERVICES FOR PROCESSING. THE SHALL BEAR NO ADDITIONAL COST AS A RESULT OF THE APPROVAL OF, THE DENIAL OF, AND/OR CONDITIONS SET FORTH WITHIN THE SITE SPECIFIC VARIANCE.
- J. THE PROJECT MANUAL INCLUDES EXISTING HAZARDOUS MATERIAL INFORMATION FOR REFERENCE. MAINTAIN A COPY OF THE REPORT ON-SITE FOR THE DURATION OF THE PROJECT. QUANTITIES REPORTED WITHIN THE REPORT ARE APPROXIMATED. ASBESTOS CONTAINING MATERIALS IDENTIFIED IN THE REPORT ARE TO BE ABATED PRIOR TO ANY CONSTRUCTION THAT COULD DISTURB THESE MATERIALS.
- K. IF ADDITIONAL ASBESTOS AND/OR SUSPECT MATERIAL NOT PREVIOUSLY IDENTIFIED ARE DISCOVERED AND/OR DISTURBED DURING CONSTRUCTION, ALL OPERATIONS SHALL CEASE AND THE SHALL BE NOTIFIED IMMEDIATELY FOR FURTHER DIRECTION. DO NOT COLLECT AND/OR ANALYZE BULK SAMPLES OF SUSPECT MATERIALS WITHOUT THE APPROVAL OF THE
- L. COORDINATE THE DE-ENERGIZING OF ALL DEVICES, EQUIPMENT, AND FIXTURES TO BE REMOVED OR WHICH REMAIN WITHIN CONTAINMENT, PRIOR TO THE COMMENCEMENT OF ABATEMENT ACTIVITIES.
- M. PROVIDE ALL REMOVALS REQUIRED TO ACCESS AND ABATE MATERIALS SCHEDULED FOR REMOVAL.
- N. ALL ASBESTOS-CONTAINING MATERIAL SHALL BE PROPERLY PACKAGED PRIOR TO BEING REMOVED FROM THE WORK AREA(S). ASBESTOS WARNING LABELS SHALL BE APPLIED TO THE ASBESTOS WASTE BAGS.
- O. NON-POROUS CLEANABLE MATERIALS SCHEDULED FOR REMOVAL, SALVAGE, AND/OR DISPOSAL THAT ARE REMOVED DURING ABATEMENT ACTIVITIES (SUCH AS DOOR FRAMING, PARTITIONS, ACCESS PANELS, FIXTURES, ETC.) SHALL BE PROPERLY CLEANED, RECYCLED, OR DISPOSED OF AS C&D DEBRIS, AS APPROPRIATE.

GENERAL ASBESTOS NOTES:

- A. NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET.
- B. REFERENCE SPECIFICATION 028213.

KEYED ASBESTOS REMOVAL NOTES:

1. REMOVE AND PROPERLY DISPOSE OF ASBESTOS CONTAINING CLOTH VIBRATION DAMPNER IT ITS ENTIRETY. REMOVAL IS CONSIDERED OSHA CLASS II WORK. ALL WASTE GENERATED SHALL BE CONSIDERED AN EPA CATEGORY II NON-FRABLE.
2. REMOVE AND PROPERLY DISPOSE OF ASBESTOS CONTAINING WHITE DUCT CAULK FROM STAINLESS STEEL DUCTWORK. REMOVAL IS CONSIDERED OSHA CLASS II WORK. ALL WASTE GENERATED SHALL BE CONSIDERED AN EPA CATEGORY II NON-FRABLE.
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LEAD AWARENESS NOTE:

- A. GENERAL NOTE TO ALL TRADES - VARIOUS BUILDING MATERIALS HAVE BEEN IDENTIFIED AS BEING LEAD CONTAINING. A LISTING OF LEAD PAINTED BUILDING COMPONENTS CAN BE FOUND IN THE PROJECT DESIGN MANUAL AS PART OF THE PRE-RENOVATION INSPECTION REPORT.
- B. CONDUCT ALL WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS, INCLUDING OSHA 29 CFR 1926 (LEAD IN CONSTRUCTION STANDARD), AND TAKE PRECAUTIONS TO ENSURE THAT WORKERS ARE NOT EXPOSED TO LEAD IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT. DISPOSAL OF GENERATED PAINT CHIPS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND STATE REGULATIONS REGARDING LEAD.
- C. THE FOLLOWING TYPICAL COMPONENTS TESTED POSITIVE FOR LEAD-BASED PAINT OR AS CONTAINING LEAD. REFER TO THE REPORT FOR A COMPLETE LISTING:
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2. GRAY METAL I-BEAM

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FREDONIA
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Upgrade AHU & Ventilation System
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SUNY Fredonia Project No. 051039

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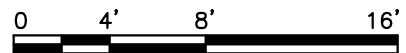
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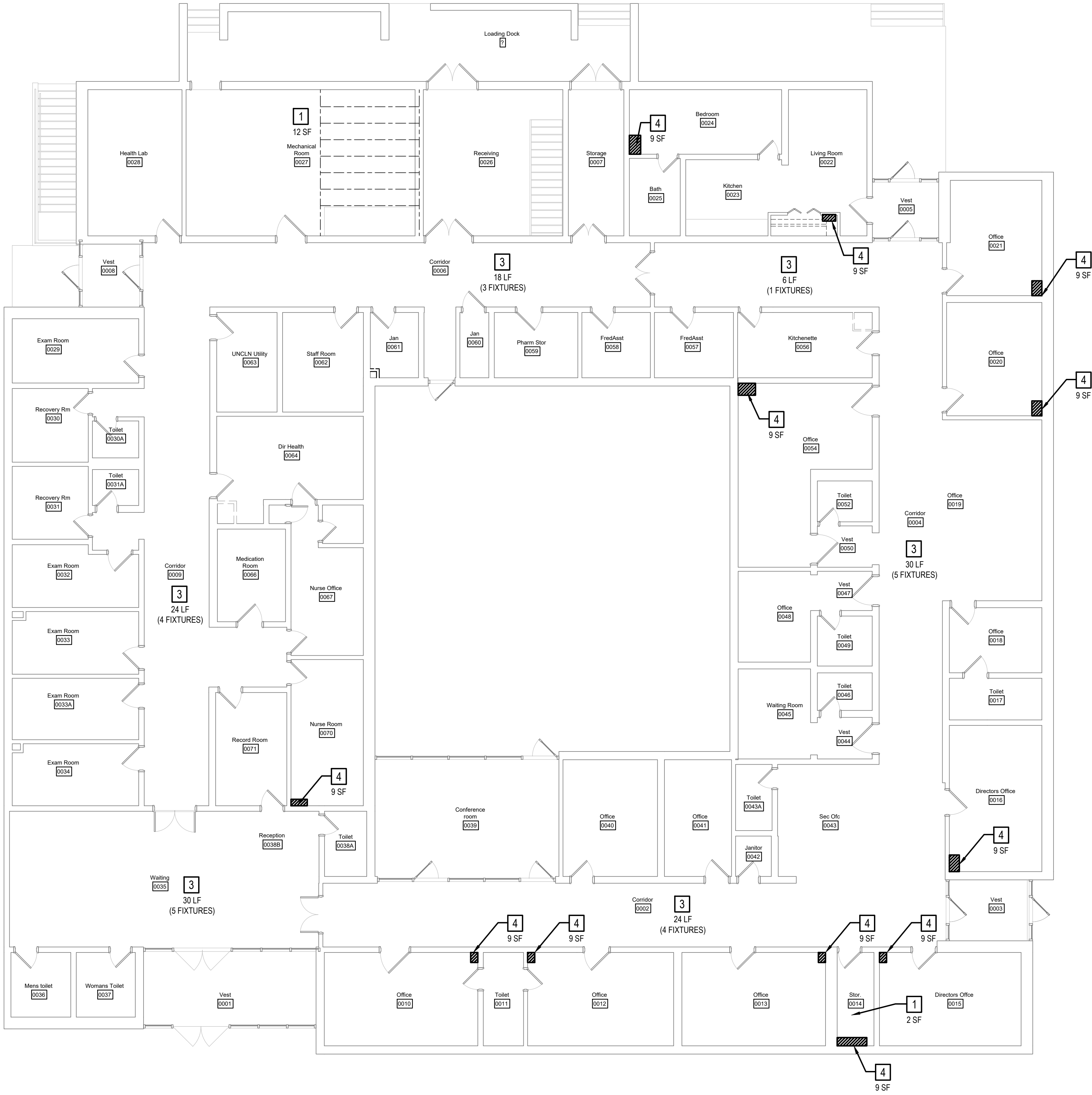
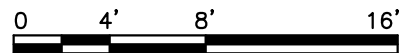
REVISIONS			
No.	Date	By	Description
1	11/16/22	SPF	ADDENDUM #1

DRAWING TITLE
**BASEMENT
HAZARDOUS
MATERIALS
ABATEMENT
PLAN**

DRAWING NO. HM100
Drawn By: SPF
Checked By: RJH
Project Mgr: SPF
Project No: 211263.00

ISSUE DATE **10/14/2022**
Bid Documents





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- B. CONDUCT ALL WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS, INCLUDING OSHA 29 CFR 1926 (LEAD IN CONSTRUCTION STANDARD), AND TAKE PRECAUTIONS TO ENSURE THAT WORKERS ARE NOT EXPOSED TO LEAD IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT. DISPOSAL OF GENERATED PAINT CHIPS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND STATE REGULATIONS REGARDING LEAD.
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REVISIONS

No.	Date	By	Description
1	11/18/22	SPF	ADDENDUM #1

DRAWING TITLE

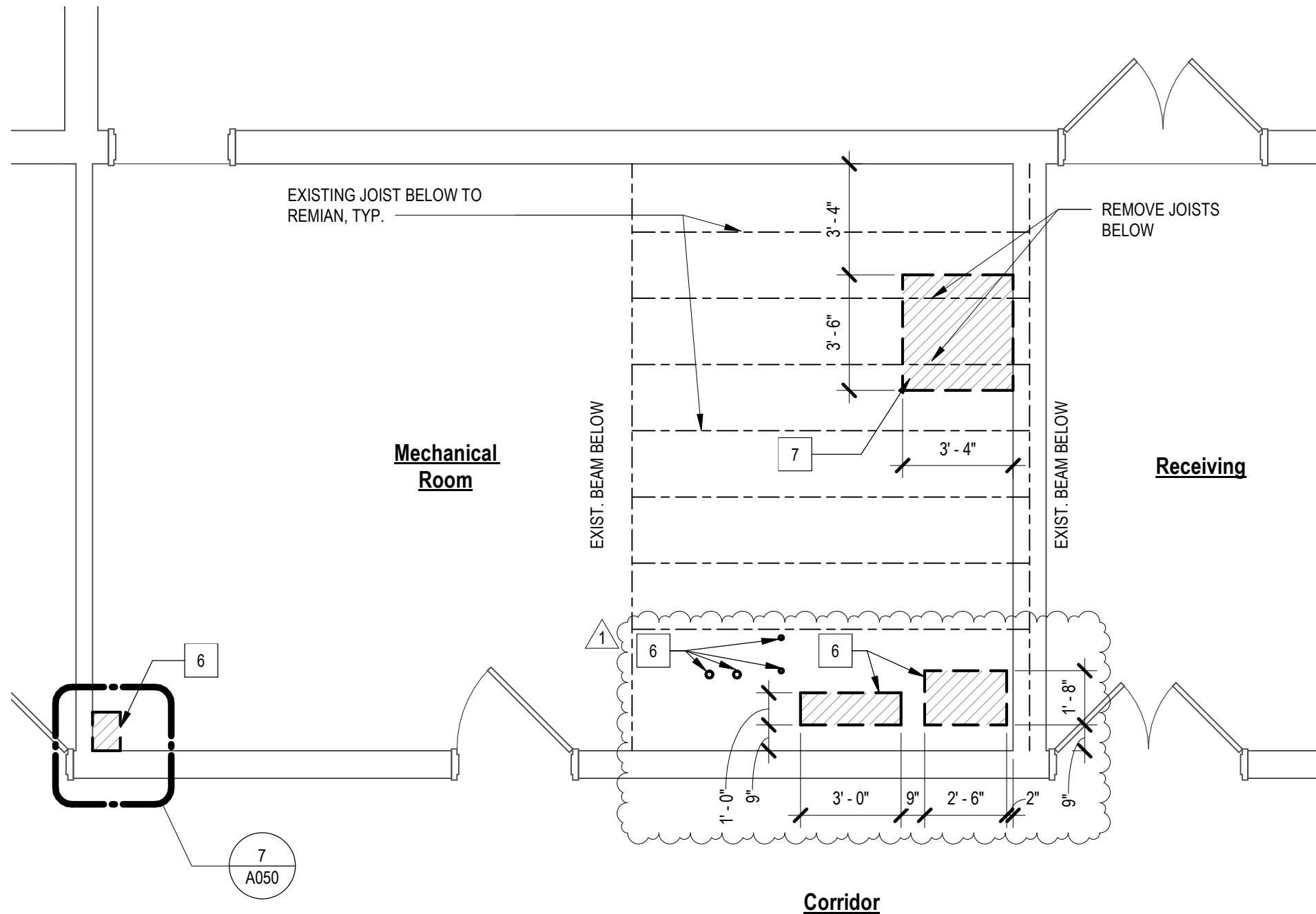
**FIRST FLOOR
HAZARDOUS
MATERIALS
ABATEMENT
PLAN**

DRAWING NO. **HM101**

Drawn By: SPF
Checked By: RJH
Project Mgr: SPF
Project No: 211263.00

ISSUE DATE **10/14/2022**

Bid Documents



DEMOLITION KEYNOTES

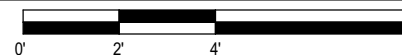
- 1 REMOVE EXISTING CEILING ASSEMBLY IN ENTIRE ROOM INDICATED TO ACCOMODATE ELECTRICAL WORK.
- 2 REMOVE EXISTING LUMINOUS CEILING AND DISCARD.
- 3 REMOVE EXISTING SECURITY FENCE, GATES, AND ASSOCIATED SUPPORTS.
- 3B REMOVE EXISTING INTERIOR PARTITION, INCLUDING ASSOICATED DOORS, OPENINGS AND SUPPORTS
- 4 REMOVE EXISTING CHASE WALL IN IT'S ENTIRETY, INCLUDING, BUT NOT LIMITED TO: WALL BASE, FIXTURES, OUTLETS, SWITCHES, AND FINISHES.
- 5 SAW CUT AND REMOVE EXISTING FLOOR SLAB AND METAL PAN TO ACCOMODATE DUCTWORK, VERIFY LOCATION OF OPEN WEB JOIST BELOW PRIOR TO CUTTING HOLE. COORDINATE HOLE SIZE LOCATION WITH EXISTING CONDITIONS, REFERENCE THE FOLLOWING DETAILS: 6 / A050 7 / A050
- 6 ENLARGE EXISTING FLOOR OPENING TO ACCOMODATE NEW WORK.
- 7 REMOVE PORTION OF EXISTING SLAB AND METAL PANS BETWEEN EXISTING JOISTS, IT IS SUGGESTED THAT CORNERS ARE CORE-DRILLED PRIOR TO REMOVAL OF SECTION, DO NOT OVERCUT SLAB.
- 8 REMOVE EXISTING INTERIOR DOOR ASSEMBLY, INCLUDING FRAME AND HARDWARE. PREPARE WALL OPENING FOR INFILL.

1ST FLOOR DEMO PLAN

1

SK-A1

1/4" = 1'-0"



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M/E PROJECT No:

PROJECT:

Upgrade AHU & Ventilation System - LoGrasso Hall
SUNY Fredonia Project No. 051039

DRAWING

TITLE:

FIRST FLOOR DEMOLITION
PLAN

SCALE:

AS NOTED

DATE:

11/17/22

DRAWN BY:

KCR

DRAWING No.:

SK-A1

DRAWING REFERENCE No.:

DEMOLITION KEYNOTES

- 1

REMOVE EXISTING CEILING ASSEMBLY IN ENTIRE ROOM INDICATED TO ACCOMODATE ELECTRICAL WORK.
- 2

REMOVE EXISTING LUMINOUS CEILING AND DISCARD.
- 3

REMOVE EXISTING SECURITY FENCE, GATES, AND ASSOCIATED SUPPORTS.
- 3B

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- 4

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- 6

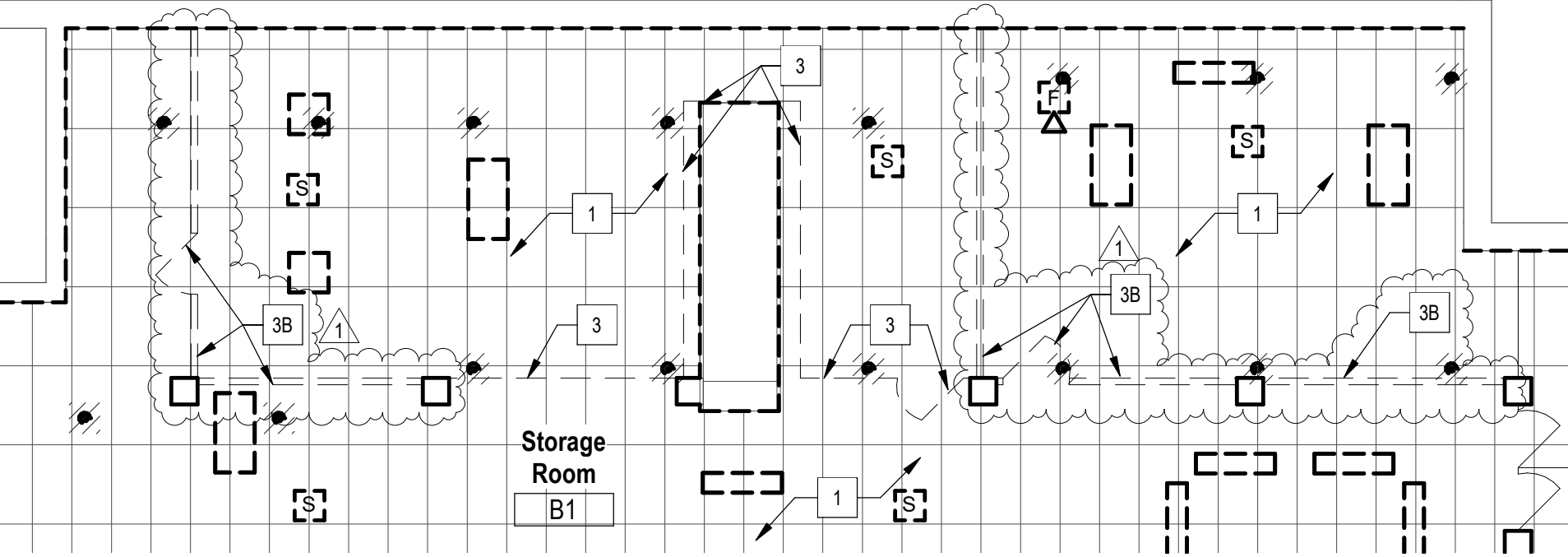
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- 8

REMOVE EXISTING INTERIOR DOOR ASSEMBLY, INCLUDING FRAME AND HARDWARE. PREPARE WALL OPENING FOR INFILL.

REFLECTED CEILING PLAN DEMOLITION LEGEND

SYMBOL/TAG	DESCRIPTION
	EXISTING CONCEALED SUSPENSION ACOUSTICAL TILE SYSTEM CEILING
	EXISTING SUSPENDED GRID ACOUSTICAL CEILING SYSTEM
	EXISTING GYPSUM BOARD CEILING
	EXISTING SECURITY FENCE & GATE
	INTERIOR PARTITION & DOOR
	EXISTING LUMINOUS GRID AND LIGHT FIXTURES REMOVED



BASEMENT CEILING DEMOLITION PLAN

1
SK-A2

1/8" = 1'-0"



M/E ENGINEERING
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M/E PROJECT No:

PROJECT:
Upgrade AHU & Ventilation System - LoGrasso Hall
SUNY Fredonia Project No. 051039

DRAWING
TITLE:
BASEMENT DEMOLITION PLAN

SCALE:
AS NOTED

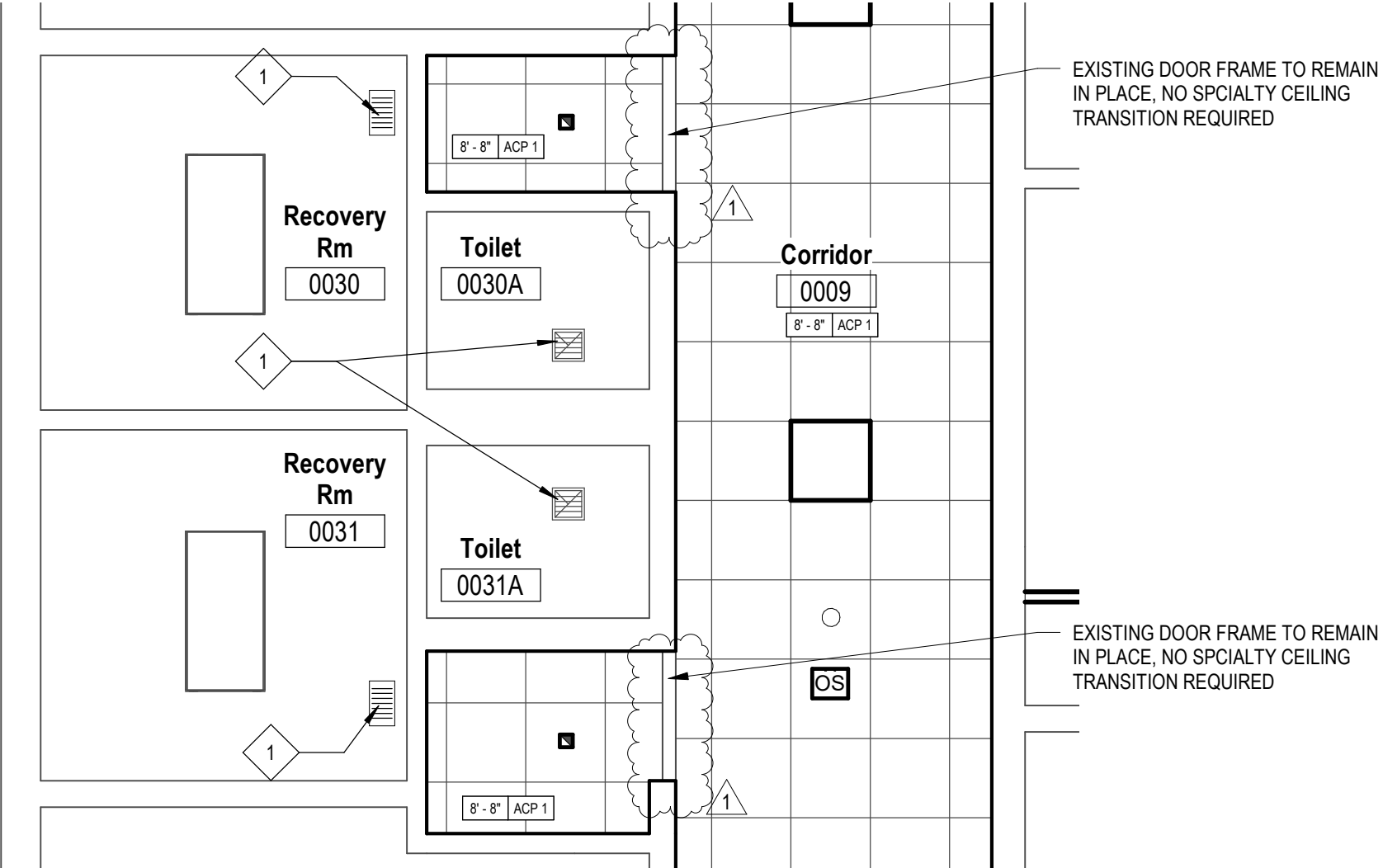
DATE:
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DRAWING No.:

SK-A2

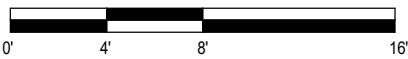
DRAWING REFERENCE No.:



1
SK-A3

1ST FLOOR CEILING PLAN

1/4" = 1'-0"



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716.845.5092
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M/E PROJECT No:

PROJECT:
Upgrade AHU & Ventilation System - LoGrasso Hall
SUNY Fredonia Project No. 051039

DRAWING
TITLE:
CEILING ALTERATION PLAN

SCALE:
AS NOTED

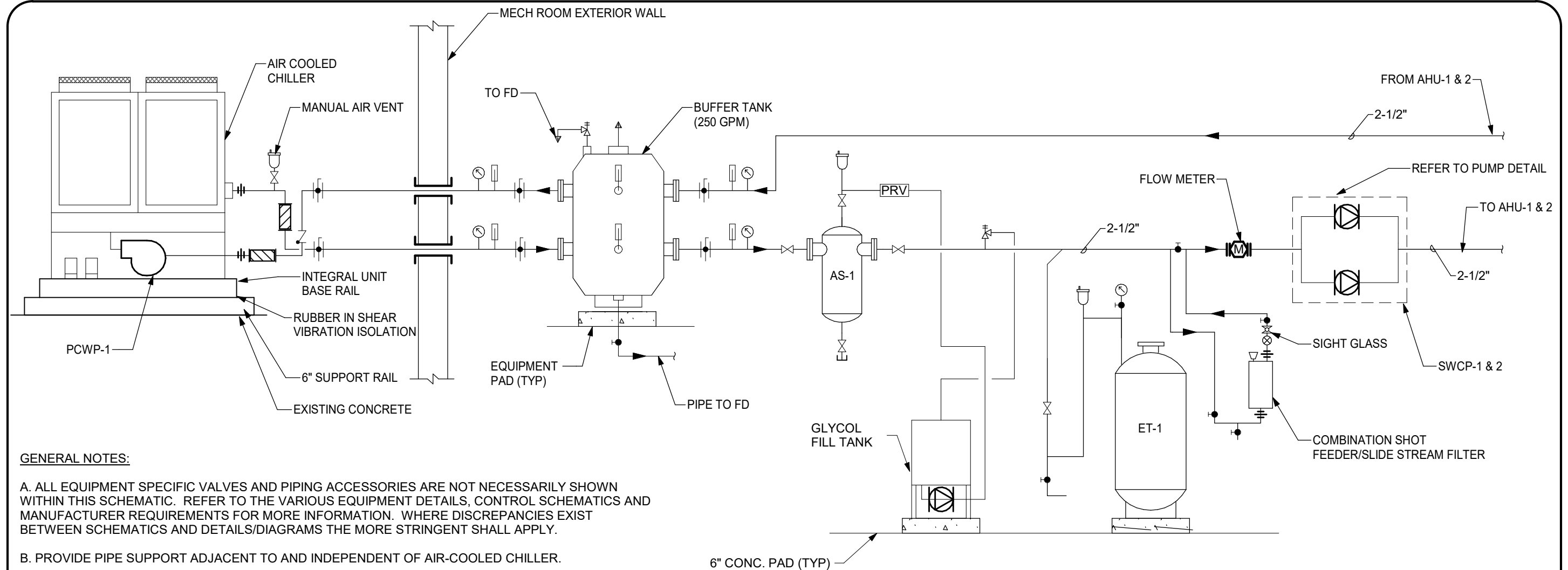
DATE:
11/17/22

DRAWN BY:
KCR

DRAWING No.:

SK-A3

DRAWING REFERENCE No.:



GENERAL NOTES:

- A. ALL EQUIPMENT SPECIFIC VALVES AND PIPING ACCESSORIES ARE NOT NECESSARILY SHOWN WITHIN THIS SCHEMATIC. REFER TO THE VARIOUS EQUIPMENT DETAILS, CONTROL SCHEMATICS AND MANUFACTURER REQUIREMENTS FOR MORE INFORMATION. WHERE DISCREPANCIES EXIST BETWEEN SCHEMATICS AND DETAILS/DIAGRAMS THE MORE STRINGENT SHALL APPLY.
- B. PROVIDE PIPE SUPPORT ADJACENT TO AND INDEPENDENT OF AIR-COOLED CHILLER.
- C. PROVIDE FLOW METER ON CHILLED WATER SYSTEM.
- D. PROVIDE RUBBER IN SHEAR VIBRATION ISOLATION BETWEEN BASE RAIN AND UNIT INTEGRAL BASE RAIL.
- E. SUPPORT AND SECURE UNIT TO RAIL AND EXISTING CONCRETE PER MANUFACTURERS RECOMMENDATIONS.

1 ALT BID: AIR COOLED CHILLER - PIPING SCHEMATIC
NOT TO SCALE

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FREDONIA
STATE UNIVERSITY OF NEW YORK
M/E PROJECT No: 211263.00

PROJECT:
Upgrade AHU & Ventilation System - LoGrasso Hall
SUNY Fredonia Project No. 051039
DRAWING
TITLE:
AIR COOLED CHILLER - PIPING
SCHEMATIC

SCALE:
AS NOTED
DATE:
11/17/22
DRAWN BY:
KAK

DRAWING No.:
SK-M1
DRAWING REFERENCE No.:
M801

Project Name:**SUNY Fredonia - Upgradde AHU Ventilaiton System LoGrasso Hall****Proejct No. 051039****Pre-Bid Request for Information Log****Updated 11/17/2022**

RFI #	Date Received	Description	Sent to	Date Sent	Response
1	11/12/2022	On drawing HM100 abatement note #2 in mechanical room B2, during the pre bid we could not find the asbestos duct caulk in this room, could you be more specific as to where it is located ? on drawing HM101 note #4 and in the asbestos spec, the flooring materials are assumed to be asbestos. Is there an asbestos survey we may review ? and all of the floor removal notes call out 9 sf to be removed, each of these areas will be a minor asbestos project removed in neagtive pressure tents, will the 9 sf at each location be enough to accommodate the floor slab removal note #5 on drawing AD110 ? Will we need to install shoring for note #7 on drawing AD110 when we cut and remove the joists ? If so will you require a structural shoring plan stamped by a structural engineer, or can we just install a post on either side of the opening and call it a day?	Sienna & Foit Albert	11/13/2022	Refer to Addendum #2 for questions regarding HM items. Per Petrilli Structural, "shore posts are sufficient".
2	11/14/2022	Abatement specs call for the fixture wire, 6lf on 22 lights to be removed on the first floor, please indicate which 22 fixtuire are to be abated. are they the 2x4 or the recessed lights ? and confirm the count	Sienna	11/14/2022	Refer to Addendum #2.