

ASBESTOS ABATEMENT PROJECT DESIGN

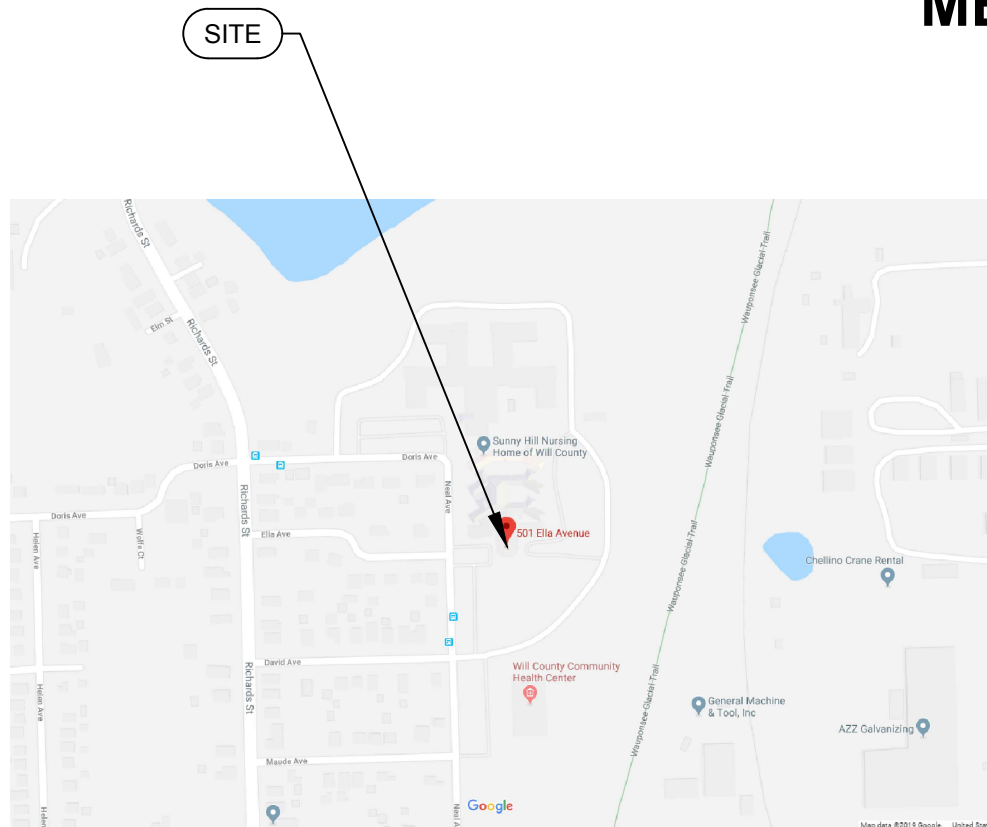
PREPARED ESPECIALLY
FOR:

**WILL COUNTY EXECUTIVE'S OFFICE
302 N. CHICAGO STREET
JOLIET, IL 60432**

PROJECT LOCATION:

**WILL COUNTY HEALTH DEPARTMENT
501 ELLA AVENUE
JOLIET, IL 60433**

MEC PROJECT #: 19-04-238-PD



SITE LOCATION MAP
NTS



ASBESTOS ABATEMENT DRAWING INDEX

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PROJECT TIMELINE:

- PRE-BID WALK THROUGH: TBD
- BID DUE DATE: TBD
- PROJECT START: TBD
- PROJECT COMPLETION: TBD

REVIEWED BY:

SRS



Consultant:
Midwest Environmental Consulting Services, Inc.
2551 N. Bridge Street
Yorkville, IL 60560
Ph. 630.553.3989
Fax 630.553.3990
www.mec-us.com

**CONTRACTOR TO FIELD
VERIFY ALL QUANTITIES:**

Project Designer:

LIC #:

Project Location:
Will County Health Department
501 Ella Avenue
Joliet, IL 60433

Reference Surveys:
18-06-357-INSP

Client:
Will County Executive's Office
302 N. Chicago Street
Joliet, IL 60432

REVISIONS

Number:	Date:	Rev. By:

Drawn By: CAS NTS

Date: 7/19/19

Project No: 19-05-238-PD

Dwg. No: **G - 0**

COVER SHEET

SCOPE OF WORK:

The Will County Health Department building is slated for demolition. Prior to demolition, all asbestos-containing materials (ACM), both friable and non-friable, shall be removed from the building. By submitting a bid, the Contractor acknowledges that he/she shall be responsible for the removal of any and all ACM present within the building.

The Contractor shall follow all applicable IDPH, EPA, and OSHA rules and regulations. The Contractor shall install plywood barriers and/or lock doors with sufficient signage to isolate the building in order to prevent access by unauthorized personnel. Barriers shall be constructed in accordance with IDPH rules and regulations, Title 77 of the Illinois Administrative Code (77IAC), Section 855.430.

The building owner shall remove all objects from the building that the owner wishes to keep prior to the abatement start date. The Contractor shall be responsible for moving and/or the removal of all remaining objects in the way of asbestos abatement.

Contractor shall be responsible for the removal of all ACM floor tile (unless noted otherwise), floor tile mastic (unless noted otherwise), sheet flooring, carpet glue, terrazzo, and thermal system insulation (unless noted otherwise) utilizing gross removal methods within a full containment work area as identified on the accompanying drawings.

Contractor shall glovebag ALL TSI not located within a full containment area. If the TSI is in poor condition, then the Contractor shall remove a 4-foot by 4-foot area of soil to a depth of 3 inches under the TSI in poor condition and remove as ACM when in the crawl space on the Lower Level.

Contractor shall be responsible for the removal of ACM floor tile, floor tile mastic, transite panels, vibration dampers, exterior window caulk (under aluminum window wrap), and exterior door caulk utilizing non-friable removal methods as identified on the accompanying drawings. If any windows are to be removed by the Contractor to access the exterior window caulk, the Contractor is responsible for window board-up.

Contractor shall perform exploratory demolition to locate hidden ACM in the building, including, but not limited to TSI. If asbestos-containing flooring material is found to be underneath walls or any other fixture throughout the specified work areas, it is the responsibility of the Contractor to demo-to-access and the removal of that flooring material is part of this contract.

Contractor is responsible for the removal of ALL hidden ACM within the building, including, but not limited to TSI. Contractor shall remove all wood subflooring contaminated with ACM mastic and terrazzo and dispose as ACM waste. Contractor shall HEPA vacuum the top of the lower level plaster ceiling after removal of the terrazzo and associated wood subfloor.

The terrazzo is under non-ACM floor tile and mastic, carpet, and ACM floor tile and mastic outside of the main corridor. The non-ACM tile and mastic and the carpet shall be disposed as non-ACM waste.

Full containment work areas shall consist of critical seals, one layer of 6-mil poly on floors that cannot be cleaned, one layer of 4-mil poly on the walls that cannot be cleaned, and one layer of 6-mil poly on ceilings that cannot be cleaned. An attached 3-chamber decon and 2-chamber waste-out shall be constructed at the entry to the full containment work area.

Contractor shall be responsible for the identification and disposal of all fluorescent light bulbs, PCB-containing ballasts, and mercury-containing thermostats and switches and shall dispose of them accordingly, separate from the general waste.

Contractor shall provide a manometer for the full containment work area to ensure that a negative pressure of 0.02" w.c. is maintained throughout the duration of the project. All negative air exhaust tubing shall be vented outside the work area.

All waste shall be adequately wet and double-bagged. Waste containers shall be labeled and leak-proof. All waste with sharp-edged components (e.g. nails, screws, metal lath, floor tile, etc.) shall be placed into drums for disposal. All equipment and double-bagged/labeled waste shall be transported from the work area directly to an enclosed, lockable, signed and poly-lined dumpster. All double-bagged and labeled waste shall be transported from the work area in a covered gondola. No waste shall be left within the building overnight.

All electrical systems shall be shut down and locked out. All electrical power within the work areas shall be "ground-fault protected" utilizing Ground Fault Circuit Interrupters. The Contractor is required to handle all electrical shut downs. Temporary lighting is the Contractor's responsibility and shall be provided as necessary.

The owner will assist the Contractor with electrical shut downs and HVAC isolation within the work area. The building owner shall be responsible for maintaining appropriate life safety code requirements, including fire protection, for the building for the duration of the project.

Clearance is to be by aggressive PCM and will follow requirements defined in 77IAC, Sections 855.170 (b)(c)(d) and 855.470.

NOTES - GENERAL

- Contractor is required to visit the project site in order to submit a bid.
- Drawing identifies the scope of work and is identified as "WORK AREA".
- Work will be completed following all applicable requirements.
- The Owner will not accept any change orders based on the Contractor's failure to recognize unique conditions.
- All permits and fees that need to be filed, are the responsibility of the Contractor. A copy of these permits and receipts shall be supplied to the Owner's representative prior to start of work.
- The replacement of the abated materials is not of this contract.
- Contractor shall supply a licensed electrician to hook up electrical equipment if need be.
- It is the Owner's responsibility to remove all moveable objects.
- Contractor to use only IDPH-licensed workers.
- Contractor's IDPH-licensed supervisor must be on site at all times.
- All workers shall provide hard copies of all certification paperwork to the project manager on the first day on the job site. Failure to provide paperwork will prevent the worker from entering the job site.
- Contractor is responsible for supplying electrical power and water.
- All negative air shall be exhausted outside the building.
- Contractor shall be responsible for supplying adequate protection for workers.
- Contractor shall comply with applicable building and safety requirements.
- Walk-off mats shall be required at all entrances to work areas.
- Contractor is responsible for additional Project Management and Air Sampling, and any Additional Associated Costs (including Sampling) incurred due to Contractor delays and/or Contractor failure to perform.

REFERENCES:

Asbestos Surveys -
18-06-357-INSP



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LIC #:

Project Location:
Will County Health Department
501 Ella Avenue
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Reference Surveys:
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Number:	Date:	Rev. By:

Drawn By: **CAS** Scale: **NTS**

Date: **7/19/19**

Project No: **19-05-238-PD**










Dwg. No: **G - 1**

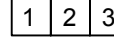




SCOPE OF WORK / GENERAL NOTES

GENERAL ASBESTOS ABATEMENT NOTES:

- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
- CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
- NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
- FULL CONTAINMENT SHALL INCLUDE CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON FLOORS THAT CANNOT BE CLEANED, ONE LAYER OF 4-MIL POLY ON WALLS THAT CANNOT BE CLEANED, AND ONE LAYER OF 6-MIL POLY ON CEILINGS THAT CANNOT BE CLEANED.
- CONTRACTOR SHALL INSTALL AN ATTACHED 3-CHAMBER DECON TO THE FULL CONTAINMENT WORK AREA ON THE MAIN FLOOR.
- CONTRACTOR SHALL INSTALL AN ATTACHED 2-CHAMBER WASTE-OUT TO THE FULL CONTAINMENT WORK AREA ON THE MAIN FLOOR.
- CONTRACTOR SHALL REMOVE ALL ACM FLOORING, FLOORING MASTIC, THERMAL SYSTEM INSULATION, VIBRATION DAMPERS, EXTERIOR WINDOW CAULK AND EXTERIOR DOOR CAULK UTILIZING GROSS REMOVAL METHODS WITHIN A FULL CONTAINMENT WORK AREA.
- CONTRACTOR SHALL REMOVE ALL ACM THERMAL SYSTEM INSULATION UTILIZING GLOVEBAG REMOVAL METHODS.
- CONTRACTOR SHALL REMOVE ALL ACM FLOORING, FLOORING MASTIC, VIBRATION DAMPERS, EXTERIOR WINDOW CAULK AND EXTERIOR DOOR CAULK UTILIZING NON-FRIABLE REMOVAL METHODS.

ABATEMENT LEGEND:

-  LOCATION OF ACM FLOORING & MASTIC (GROSS REMOVAL)
-  LOCATION OF ACM FLOORING & MASTIC (NON-FRIABLE REMOVAL)
-  LOCATION OF ACM THERMAL SYSTEM INSULATION (GROSS REMOVAL)
-  LOCATION OF ACM THERMAL SYSTEM INSULATION (GLOVEBAG REMOVAL)
-  LOCATION OF ACM VIBRATION DAMPERS
-  LOCATION OF ACM EXTERIOR DOOR CAULK
-  LOCATION OF ACM EXTERIOR WINDOW CAULK
-  FULL CONTAINMENT AREA
-  SEPARATION BARRIER

-  3-CHAMBER DECON (ON MAIN FLOOR - SEE ASB-2)
-  2-CHAMBER WASTE-OUT (ON MAIN FLOOR - SEE ASB-2)
-  NEGATIVE AIR
-  ELECTRICAL SOURCE
-  WATER SOURCE



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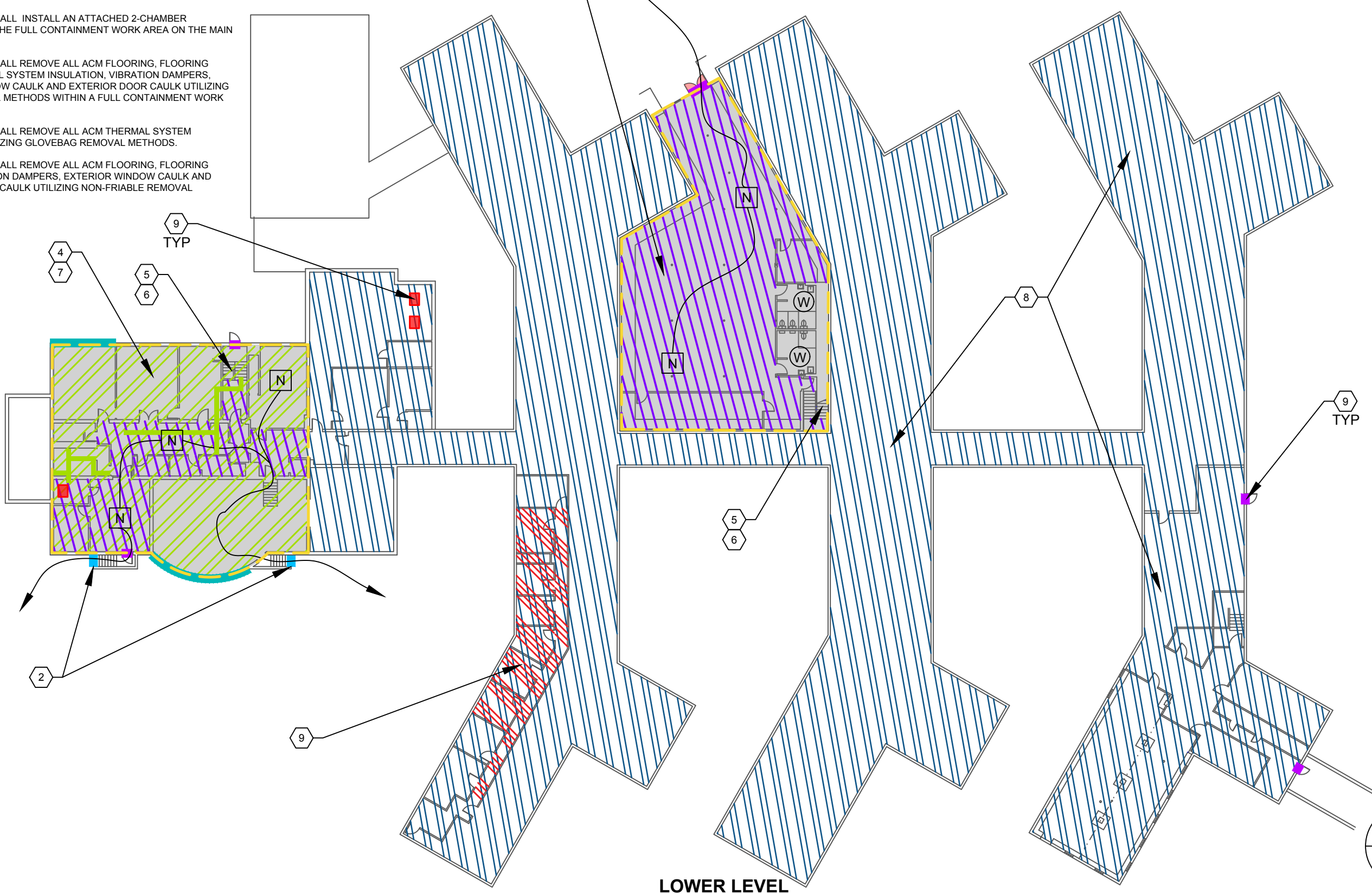
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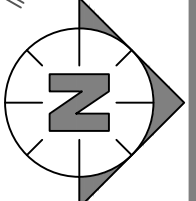
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Dwg. No: **ASB - 1**

LOWER LEVEL ASBESTOS ABATEMENT PLAN











LOWER LEVEL

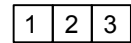
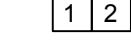





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- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD.
- CONTRACTOR SHALL CHAIN AND LOCK DOOR OR INSTALL SEPARATION BARRIERS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE WORK AREA.
- NEGATIVE AIR SHALL BE EXHAUSTED OUTSIDE THE WORK AREA.
- FULL CONTAINMENT SHALL INCLUDE CRITICAL SEALS, ONE LAYER OF 6-MIL POLY ON FLOORS THAT CANNOT BE CLEANED, ONE LAYER OF 4-MIL POLY ON WALLS THAT CANNOT BE CLEANED, AND ONE LAYER OF 6-MIL POLY ON CEILINGS THAT CANNOT BE CLEANED.
- CONTRACTOR SHALL INSTALL A REMOTE 3-CHAMBER DECON THAT CAN BE USED BY ALL FLOORS. DECON LOCATION TO BE DETERMINED ONCE PHASING IS COMPLETE.
- CONTRACTOR SHALL INSTALL A 2-CHAMBER WASTE-OUT THAT CAN BE USED BY ALL FLOORS. WASTE-OUT LOCATION TO BE DETERMINED ONCE PHASING IS COMPLETE.
- CONTRACTOR SHALL REMOVE ACM FLOORING, FLOORING MASTIC, CARPET GLUE, TERRAZZO, EXTERIOR WINDOW CAULK AND EXTERIOR DOOR CAULK UTILIZING GROSS REMOVAL METHODS WITHIN A FULL CONTAINMENT WORK AREA.
- CONTRACTOR SHALL REMOVE ACM FLOORING AND FLOORING MASTIC UTILIZING NON-FRIABLE METHODS.

ABATEMENT LEGEND:

-  LOCATION OF ACM FLOORING & MASTIC (GROSS REMOVAL)
-  LOCATION OF ACM FLOORING & MASTIC (NON-FRIABLE REMOVAL)
-  LOCATION OF ACM CARPET GLUE
-  LOCATION OF ACM TERRAZZO FLOORING
-  LOCATION OF ACM EXTERIOR WINDOW CAULK
-  LOCATION OF ACM EXTERIOR DOOR CAULK
-  FULL CONTAINMENT AREA
-  SEPARATION BARRIER

-  3-CHAMBER REMOTE DECON
-  2-CHAMBER WASTE-OUT
-  NEGATIVE AIR
-  ELECTRICAL SOURCE
-  WATER SOURCE



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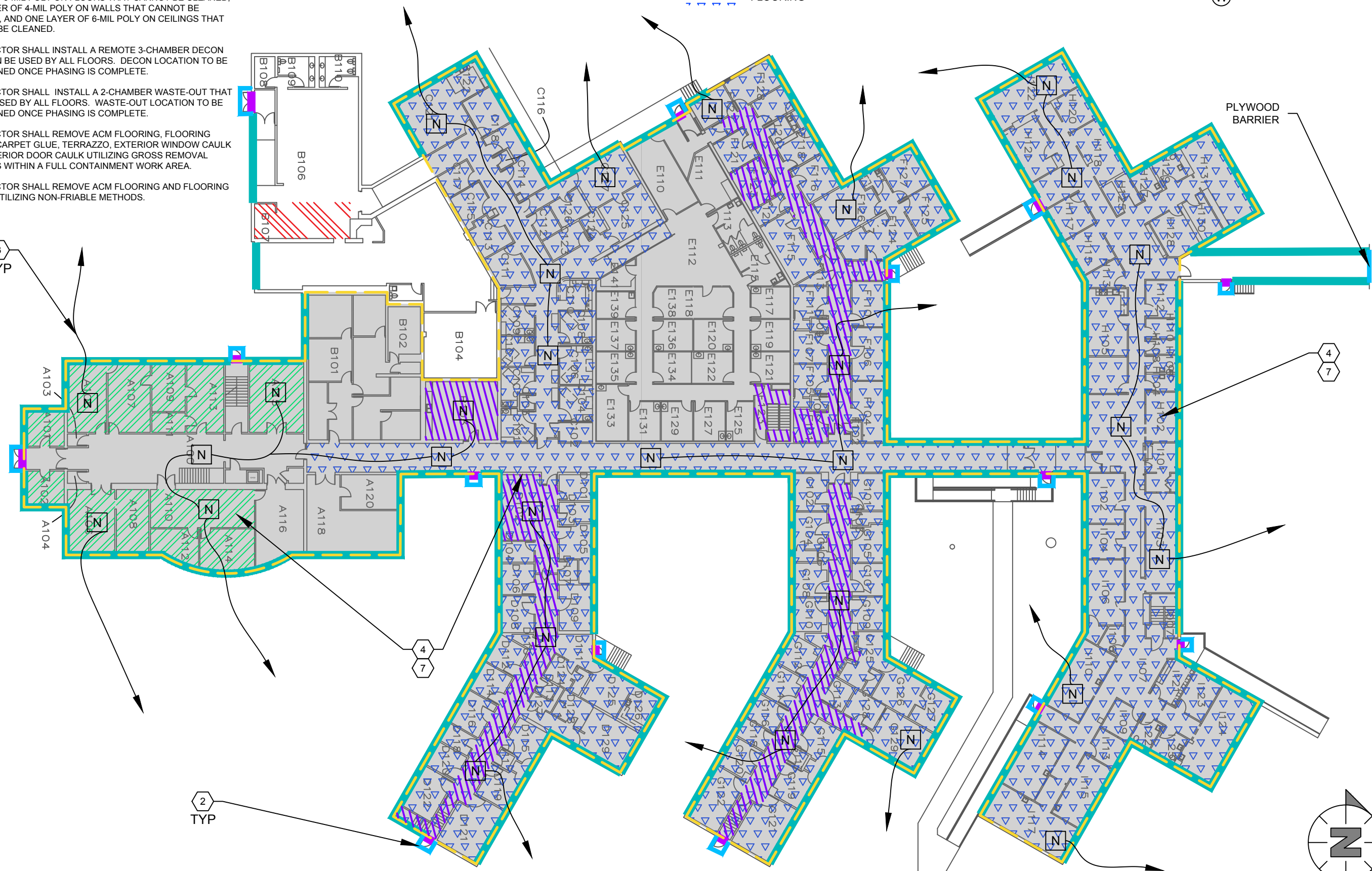
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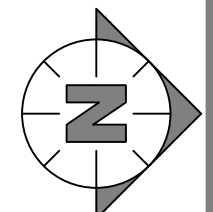
Project No: **19-05-238-PD**

Dwg. No: **ASB - 2**

FIRST FLOOR ASBESTOS ABATEMENT PLAN



FIRST FLOOR



ALTERNATE LEGEND:



LOCATION OF ACM FIRE DOORS (ASSUMED)



Consultant:
Midwest Environmental Consulting Services, Inc.
2551 N. Bridge Street
Yorkville, IL 60560
Ph. 630.553.3989
Fax 630.553.3990
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Reference Surveys:
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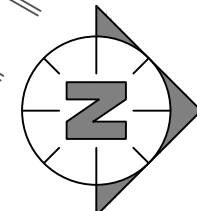
Project No: **19-05-238-PD**

Dwg. No: **ALT - 1**

LOWER LEVEL ALTERNATE ABATEMENT PLAN



LOWER LEVEL



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Dwg. No: **ALT - 2**

FIRST FLOOR ALTERNATE ABATEMENT PLAN

ALTERNATE LEGEND:

-  LOCATION OF ACM FIRE DOORS (ASSUMED)
-  LOCATION OF ACM TRANSITE PANELS (ASSUMED)



FIRST FLOOR

ALTERNATE LEGEND:



LOCATION OF ACM FIRE DOORS (ASSUMED)



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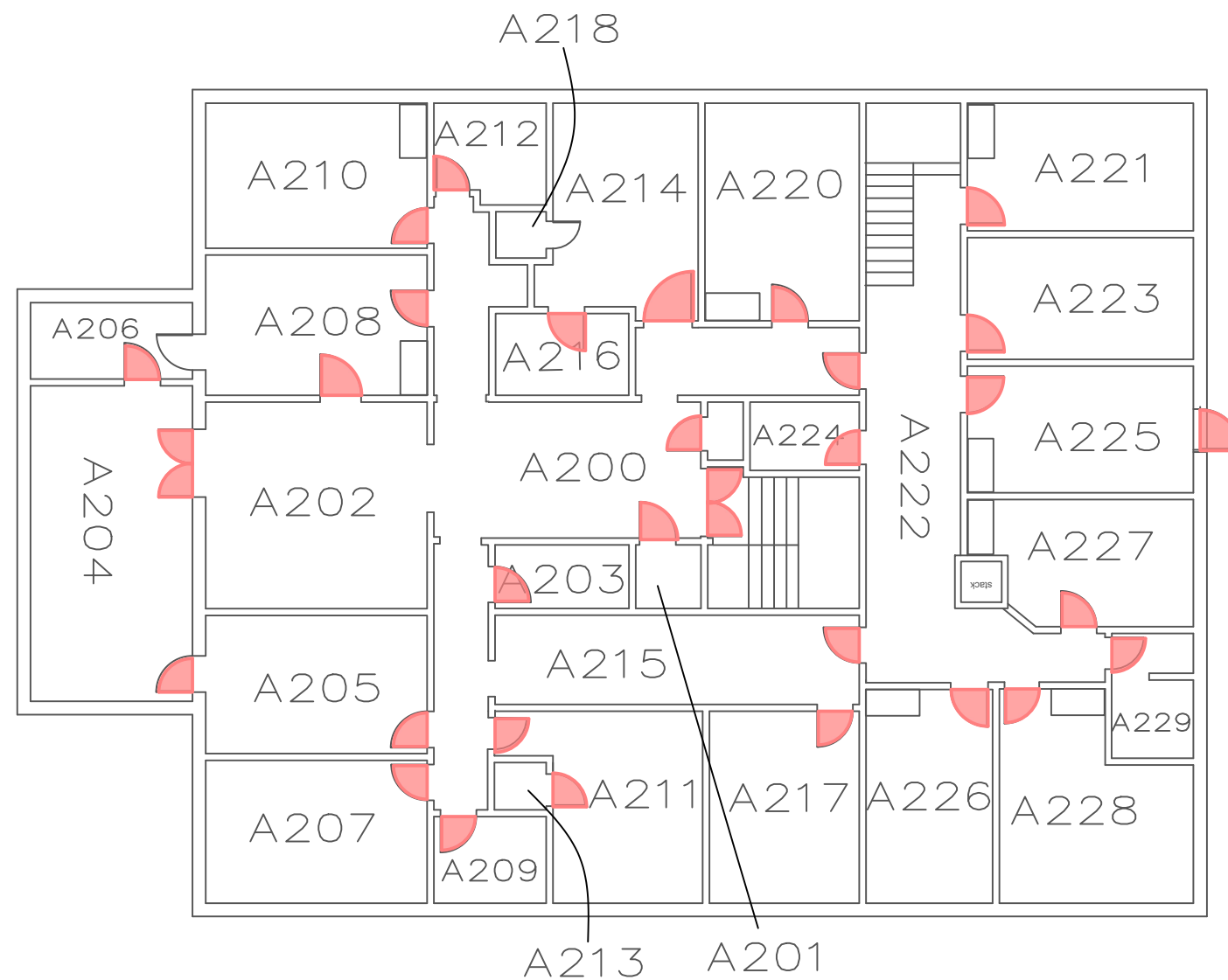
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Project No: **19-05-238-PD**

Dwg. No: **ALT - 3**

SECOND FLOOR ALTERNATE ABATEMENT PLAN



SECOND FLOOR

