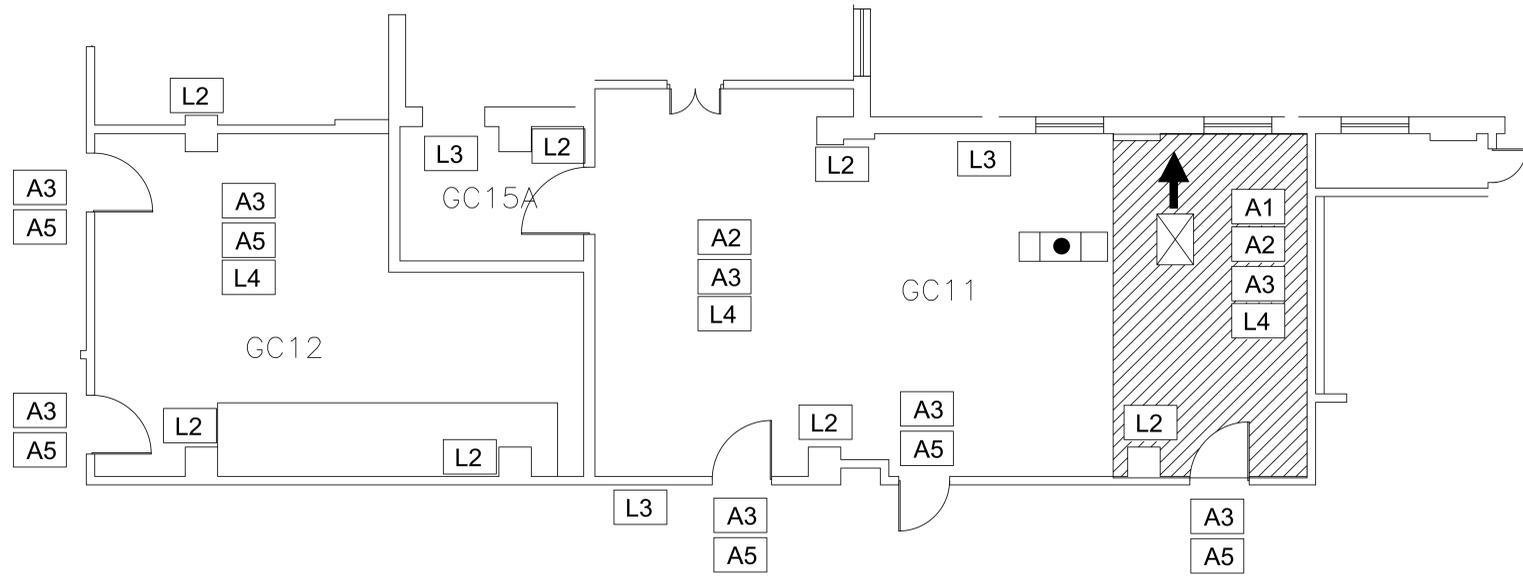


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BUILDING 01 - ROOM CG12
NOT TO SCALE

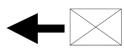
VISUAL KEY



NEGATIVE PRESSURE ENCLOSURE



THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION



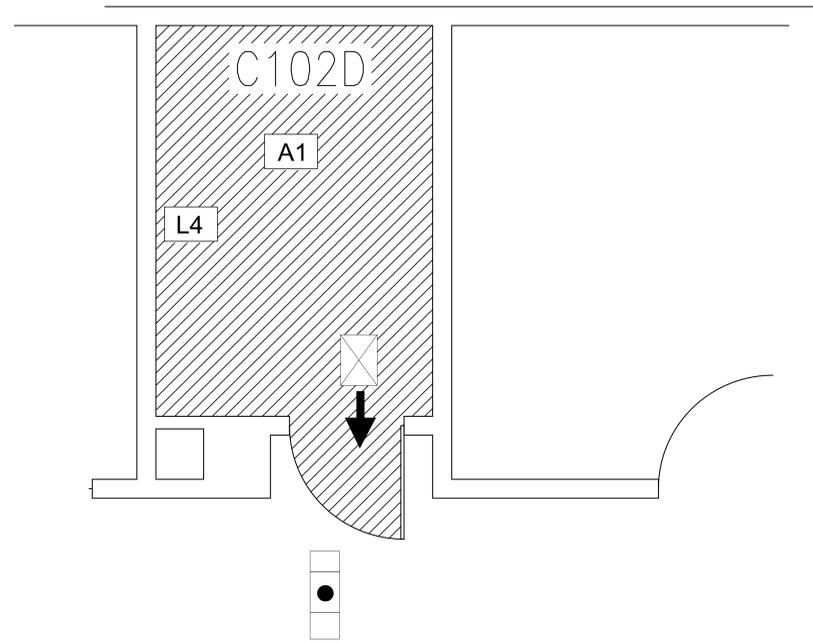
NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

KEY NOTES

- A1** REMOVE AREA OF DAMAGED NON-ASBESTOS FLOOR TILES AND UNDERLYING ASBESTOS BLACK MASTIC TO BARE SUBSTRATE USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 215 SF AND 1 ENCLOSURE.
- A2** REPAIR DEFECTS TO ASBESTOS PIPE INSULATION, FITTINGS, AND/OR OPEN JOINTS WITHIN A NEGATIVE PRESSURE CONTAINMENT. HEPA VACUUM (PRE-CLEAN) AND APPLY TWO LAYERS OF COVERING LAG CLOTH OVER DAMAGE/DEFECTS, 3 ENCLOSURES, 6 DEFECTS WITHIN EACH ENCLOSURE.
- A3** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. WHERE DAMAGED AND NOT KEYNOTED FOR REPAIR, STOP WORK AND REPORT TO VACOR
- A4** ASBESTOS CONTAINING EXTERIOR SURFACING (STUCCO) PRESENT UNDER NEW EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A5** ASBESTOS CONTAINING FLOOR TILE AND/OR UNDERLYING ASBESTOS BLACK MASTIC PRESENT, DO NOT DISTURB, PROTECT AS NECESSARY.
- A6** WHERE PRESENT AT SUBSURFACE FOUNDATION WALL AND DUCTBANK PENETRATION, REMOVE ASBESTOS STUCCO USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN AN OUTDOOR NEGATIVE PRESSURE ENCLOSURE. HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 3 SF AND 1 ENCLOSURE.
- L1** INSTALL/ANCHOR UNI STRUT ATTACHMENTS AT LOCATIONS COORDINATED WITH GENERAL CONTRACTOR ONTO PLASTER WALL TO FACILITATE NEW INSTALLATIONS WITHIN A REGULATED AREA, 6 EACH (54LF)
- L2** LBP CONCRETE COLUMNS. DO NOT DISTURB, PROTECT AS NECESSARY
- L3** LBP UPPER PLASTER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY
- L4** LBP PLASTER CEILING AND BEAMS, GRAY OVER GREEN. DO NOT DISTURB, PROTECT AS NECESSARY
- L5** SCRAPE AND STABILIZE LEAD BASE PAINTED CONCRETE CEILING AND BEAMS AND 3 FEET OF UPPER WALLS USING MANUAL MEANS. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 325 SF OF LBP PLASTER CEILING AND UPPER WALLS, 1 ENCLOSURE.
- L6** WHERE NECESSARY, REMOVE LEAD BASED PAINT FROM CONCRETE CEILING DECK TO FACILITATE PIPE PENETRATIONS USING MANUAL MEANS WITH A CHEMICAL STRIPPER USING GLOVE BAG METHODS WITHIN A REGULATED AREA, 6SF. REFER TO MECHANICAL DRAWINGS COORDINATE EXACT LOCATION OF PENETRATIONS AND EXTENTS WITH THE GENERAL CONTRACTOR.

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | BUILDING 1 - ROOM GC11 ABATEMENT | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB | |
| | | | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO. | Building Number 1 | |
| | | | | | | | Issue Date 03/31/2022 | Checked JR | Drawn CD | Drawing Number HA100 |

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BUILDING 01 - ROOM C102D
NOT TO SCALE

KEY NOTES

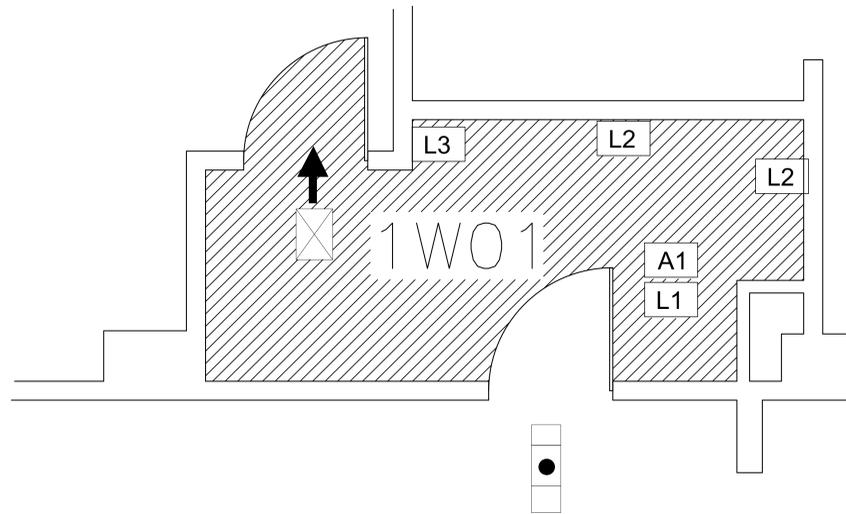
- A1** REMOVE ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS MASTIC USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 140 SF FLOOR TILES AND MASTIC AND 1 ENCLOSURE.
- A2** REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF AND 1 ENCLOSURE.
- L1** LEAD CONTAINING WOOD WINDOW ASSEMBLY COMPONENTS. DO NOT DISTURB, PROTECT AS NECESSARY
- L2** LBP PLASTER CEILING. DO NOT DISTURB, PROTECT AS NECESSARY
- L3** WHERE NECESSARY, REMOVE LEAD BASED PAINT FROM CONCRETE CEILING DECK TO FACILITATE PIPE PENETRATIONS USING MANUAL MEANS WITH A CHEMICAL STRIPPER USING GLOVE BAG METHODS WITHIN A REGULATED AREA, 3SF. REFER TO MECHANICAL DRAWINGS COORDINATE EXACT LOCATION OF PENETRATIONS AND EXTENTS WITH THE GENERAL CONTRACTOR.
- L4** REMOVE LEAD BASED PAINT ON CEILING DECK TO FACILITATE INSTALLATION OF NEW SPLIT UNIT USING APPROVED CHEMICAL STRIPPER WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE. 4SF COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.

VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number | | | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | BUILDING 1 - ROOM 1C102D ABATEMENT | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB Building Number 1 | | | |
| | | | | | | Approved: | FULLY SPRINKLERED | Location | Issue Date | Checked | Drawn | Drawing Number |
| | | | | | | | | ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO. | 03/31/2022 | JR | CD | HA101 |

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BUILDING 01 – ROOM 1W01
NOT TO SCALE

KEY NOTES

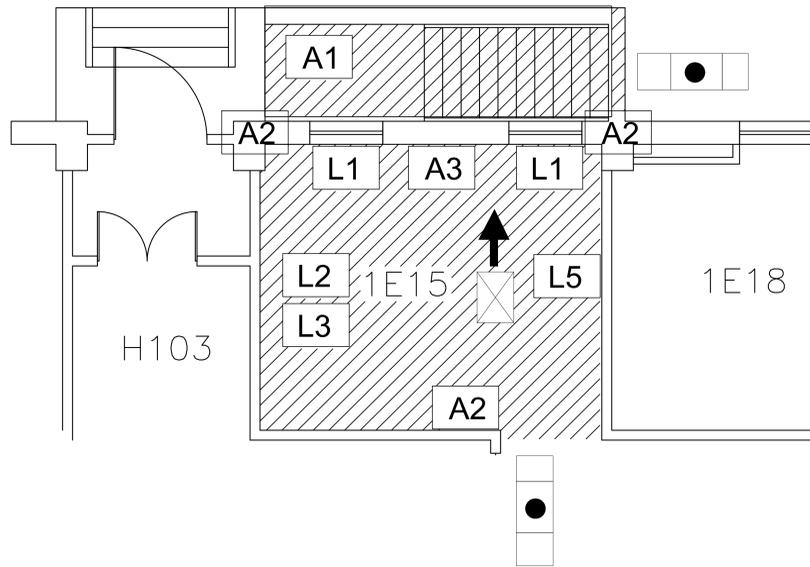
- A1** REMOVE ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS MASTIC USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 100 SF FLOOR TILES AND MASTIC AND 1 ENCLOSURE.
- L1** SCRAPE AND STABILIZE LBP ON PLASTER CEILING USING MANUAL MEANS. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 100 SF PLASTER CEILING AND 1 ENCLOSURE.
- L2** SCRAPE AND STABILIZE LBP ON PLASTER WALLS USING MANUAL MEANS AND APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 230 SF PLASTER WALLS.
- L3** LEAD BASED PAINT ON GRILL IN CHASE, PROTECT AS NECESSARY

VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| Revisions: | Date: | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  SPEESDESIGNBUILD | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title BUILDING 1 - ROOM 1W01 ABATEMENT | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked JR | Drawn CD |
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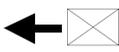


BUILDING 01 – ROOM 1E15
NOT TO SCALE

KEY NOTES

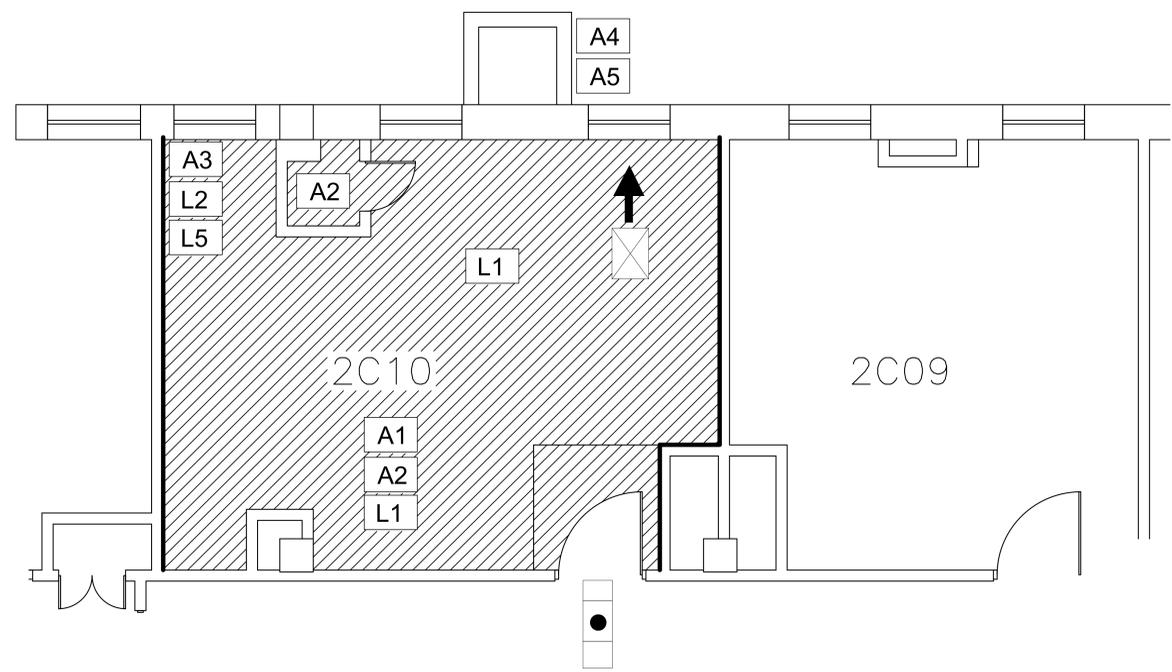
- A1** ASBESTOS CONTAINING EXTERIOR SURFACING (STUCCO) PRESENT UNDER NEW EFIS LAYER. WHERE NECESSARY, REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION, ELEVATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF AND 1 ENCLOSURE.
- A2** ASBESTOS PIPE INSULATION AND/OR MUDDER FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY
- A3** FOLLOW EXISTING PATHWAY OF UTILITIES ASSOCIATED WITH EXISTING MINI-SPLIT. ASBESTOS CONTAINING EXTERIOR STUCCO PRESENT UNDER NEW EFIS LAYER. DO NOT DISTURB AND PROTECT AS NECESSARY.
- L1** SCRAPE AND STABILIZE LEAD BASE PAINTED PLASTER CEILING USING MANUAL MEANS. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 220 SF OF LBP PLASTER CEILING.
- L2** LEAD CONTAINING 10" PIPE. DO NOT DISTURB, PROTECT AS NECESSARY
- L3** LEAD CONTAINING WOOD WINDOW ASSEMBLY COMPONENTS. DO NOT DISTURB, PROTECT AS NECESSARY
- L4** WHERE NECESSARY, REMOVE LEAD BASED PAINT FROM CONCRETE CEILING DECK TO FACILITATE PIPE PENETRATIONS USING MANUAL MEANS WITH A CHEMICAL STRIPPER USING GLOVE BAG METHODS WITHIN A REGULATED AREA, 3SF. REFER TO MECHANICAL DRAWINGS COORDINATE EXACT LOCATION OF PENETRATIONS AND EXTENTS WITH THE GENERAL CONTRACTOR.
- L5** REMOVE LEAD BASED PAINT ON CEILING DECK TO FACILITATE INSTALLATION OF NEW SPLIT UNIT USING APPROVED CHEMICAL STRIPPER USING GLOVE BAG METHOD. 4SF COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.

VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES |  | | BUILDING 1 - ROOM 1E15 ABATEMENT | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 1 |
| | | | | | | | Issue Date 03/31/2022 | Checked JR | Drawn CD |
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BUILDING 01 – ROOM 2C10
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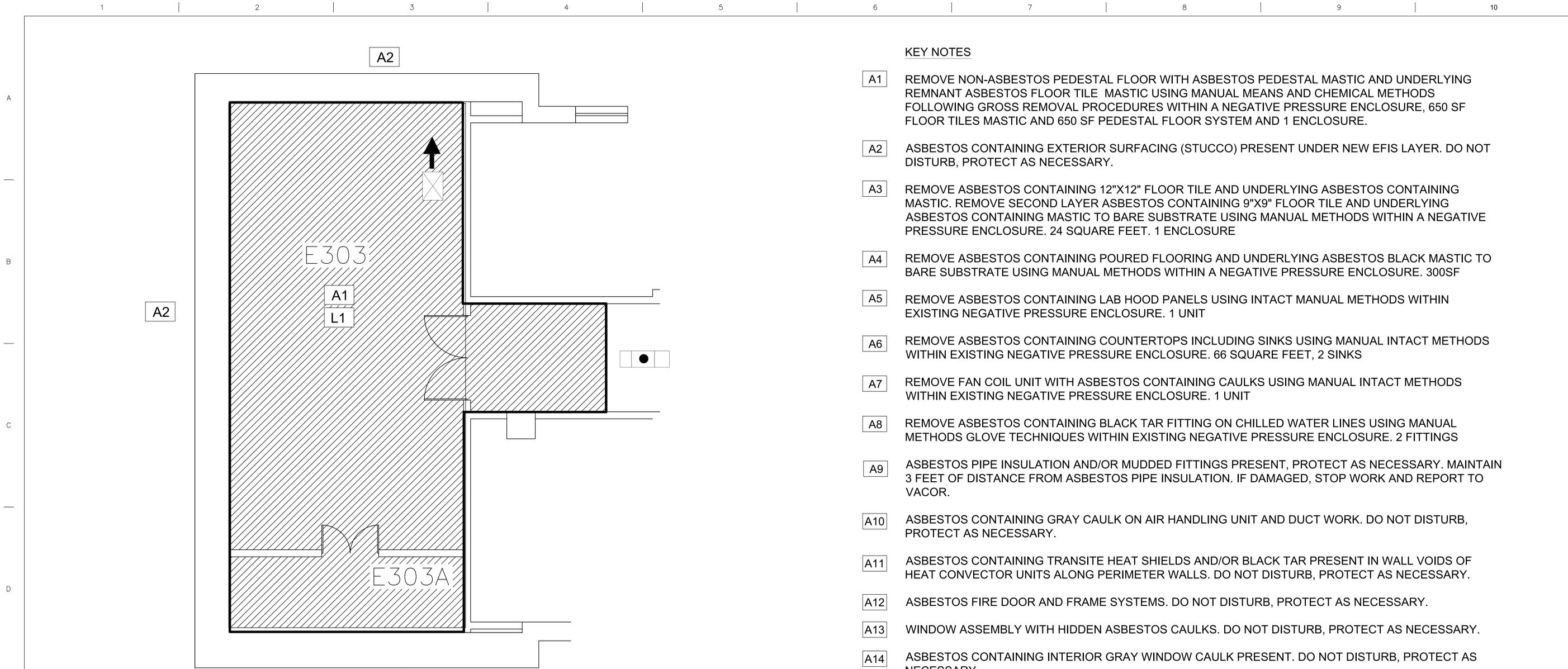
VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

KEY NOTES

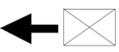
- A1** REMOVE NON-ASBESTOS PEDESTAL FLOOR WITH ASBESTOS PEDESTAL MASTIC AND UNDERLYING ASBESTOS FLOOR TILE WITH ASBESTOS MASTIC USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 500 SF FLOOR TILES AND MASTIC AND 500 SF PEDESTAL FLOOR SYSTEM AND 1 ENCLOSURE.
- A2** REMOVE NON-ASBESTOS DRYWALL WALLS AND ASBESTOS PEGBOARD (ACOUSTICAL TRANSITE) SHEETS USING MANUAL MEANS AND DISMANTLING METHODS WHILE FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 850 SF OF PEGBOARD COVERING, 35 LF OF DRYWALL WALLS AND 1 ENCLOSURE.
- A3** REMOVE ASBESTOS CONTAINING CEMENTITIOUS HEAT SHIELD ASSOCIATED TAR AND/OR FELT PAPER WITHIN STEAM CONVECTOR VOID USING MANUAL MEANS AND METHODS WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE, 16SF.
- A4** REMOVE ASBESTOS CONTAINING PIPE INSULATION AND MUDDER FITTINGS IN AREA BELOW RELATED TO STEAM CONVECTOR BACK TO MAIN USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE UTILIZING GLOVE BAG METHODS. COORDINATE LOCATION AND EXTENT WITH GENERAL CONTRACTOR. 26LF INCLUDING 1 FOOT BOTH DIRECTIONS ON MAIN, 1 ENCLOSURE
- A5** ASBESTOS CONTAINING EXTERIOR SURFACING (STUCCO) PRESENT UNDER NEW EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A6** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED.
- A8** PRESUMED ASBESTOS CONTAINING ROOF SYSTEM. DO NOT DISTURB, PROTECT AS NECESSARY.
- L1** REMOVE NON-ASBESTOS CEILING GRID AND SCRAPE AND STABILIZE LEAD BASE PAINTED PLASTER CEILING USING MANUAL MEANS. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 500 SF OF 2'X4' ACT CEILING SYSTEM AND 500 SF OF LBP PLASTER CEILING.
- L2** REMOVE LEAD CONTAINING STEAM CONVECTOR COVER USING MANUAL MEANS AND METHODS WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE
- L3** REMOVE LEAD BASED PAINTED STEAM LINES IN AREA BELOW RELATED TO STEAM CONVECTOR USING MANUAL METHODS WITHIN EXISTING CONTAINMENT. WORK TO BE CONDUCTED CONCURRENTLY WITH A4. 24LF
- L4** WHERE NECESSARY, REMOVE LEAD BASED PAINT FROM CONCRETE CEILING DECK TO FACILITATE PIPE PENETRATIONS USING MANUAL MEANS WITH A CHEMICAL STRIPPER USING GLOVE BAG METHODS WITHIN A REGULATED AREA, 6SF. REFER TO MECHANICAL DRAWINGS COORDINATE EXACT LOCATION OF PENETRATIONS AND EXTENTS WITH THE GENERAL CONTRACTOR.
- L5** REMOVE LEAD BASED PAINT ON CEILING DECK TO FACILITATE INSTALLATION OF NEW SPLIT UNIT USING APPROVED CHEMICAL STRIPPER WITHIN EXISTING NEGATIVE PRESSURE CONTAINMENT. 4SF COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.

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| Revisions: | Date: | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title BUILDING 1 - ROOM 2C10 ABATEMENT | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked JR | Drawn CD | Building Number 1 | Drawing Number HA104 |



BUILDING 01 – ROOM E303
NOT TO SCALE

VISUAL KEY

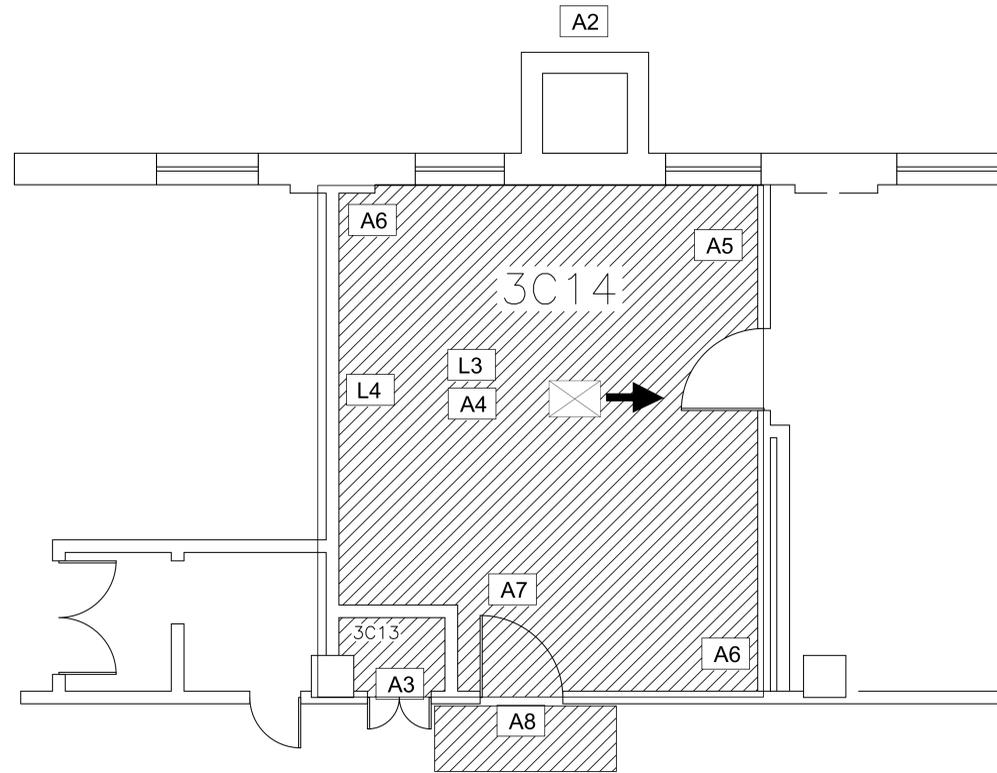
-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

KEY NOTES

- A1** REMOVE NON-ASBESTOS PEDESTAL FLOOR WITH ASBESTOS PEDESTAL MASTIC AND UNDERLYING REMNANT ASBESTOS FLOOR TILE MASTIC USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 650 SF FLOOR TILES MASTIC AND 650 SF PEDESTAL FLOOR SYSTEM AND 1 ENCLOSURE.
- A2** ASBESTOS CONTAINING EXTERIOR SURFACING (STUCCO) PRESENT UNDER NEW EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY.
- A3** REMOVE ASBESTOS CONTAINING 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS CONTAINING MASTIC. REMOVE SECOND LAYER ASBESTOS CONTAINING 9"X9" FLOOR TILE AND UNDERLYING ASBESTOS CONTAINING MASTIC TO BARE SUBSTRATE USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE. 24 SQUARE FEET. 1 ENCLOSURE
- A4** REMOVE ASBESTOS CONTAINING POURED FLOORING AND UNDERLYING ASBESTOS BLACK MASTIC TO BARE SUBSTRATE USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE. 300SF
- A5** REMOVE ASBESTOS CONTAINING LAB HOOD PANELS USING INTACT MANUAL METHODS WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE. 1 UNIT
- A6** REMOVE ASBESTOS CONTAINING COUNTERTOPS INCLUDING SINKS USING MANUAL INTACT METHODS WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE. 66 SQUARE FEET, 2 SINKS
- A7** REMOVE FAN COIL UNIT WITH ASBESTOS CONTAINING CAULKS USING MANUAL INTACT METHODS WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE. 1 UNIT
- A8** REMOVE ASBESTOS CONTAINING BLACK TAR FITTING ON CHILLED WATER LINES USING MANUAL METHODS GLOVE TECHNIQUES WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE. 2 FITTINGS
- A9** ASBESTOS PIPE INSULATION AND/OR MUDDERED FITTINGS PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO VACOR.
- A10** ASBESTOS CONTAINING GRAY CAULK ON AIR HANDLING UNIT AND DUCT WORK. DO NOT DISTURB, PROTECT AS NECESSARY.
- A11** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A12** ASBESTOS FIRE DOOR AND FRAME SYSTEMS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A13** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A14** ASBESTOS CONTAINING INTERIOR GRAY WINDOW CAULK PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A15** PRESUMED ASBESTOS CONTAINING ROOF SYSTEM. DO NOT DISTURB, PROTECT AS NECESSARY.
- L1** REMOVE LEAD CONTAMINATED CEILING GRID AND SCRAPE AND STABILIZE BROWN LEAD BASE PAINTED CONCRETE CEILING DECK USING MANUAL MEANS AND APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 650 SF OF 2'X4' ACT CEILING SYSTEM AND 650 SF OF LBP PLASTER CEILING AND 1 ENCLOSURE.
- L2** WHERE NECESSARY, REMOVE LEAD BASED PAINT FROM CONCRETE CEILING DECK TO FACILITATE PIPE PENETRATIONS USING MANUAL MEANS WITH A CHEMICAL STRIPPER USING GLOVE BAG METHODS WITHIN A REGULATED AREA, 9SF. REFER TO MECHANICAL DRAWINGS COORDINATE EXACT LOCATION OF PENETRATIONS AND EXTENTS WITH THE GENERAL CONTRACTOR.
- L3** SCRAPE AND STABILIZE DETERIORATED LEAD BASED PAINT PLASTER CEILING USING MANUAL METHODS. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF AN APPROVED ENCAPSULANT WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE, 300 SQUARE FEET
- L4** REMOVE LEAD BASED PAINT ON CEILING DECK TO FACILITATE INSTALLATION OF NEW SPLIT UNIT USING APPROVED CHEMICAL STRIPPER WITHIN EXISTING NEGATIVE PRESSURE CONTAINMENT. 4SF COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES |  | | BUILDING 1 - ROOM E303 ABATEMENT | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 1 |
| | | | | | | | Issue Date 03/31/2022 | Checked JR | Drawn CD |
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BUILDING 01 – ROOM E303
NOT TO SCALE

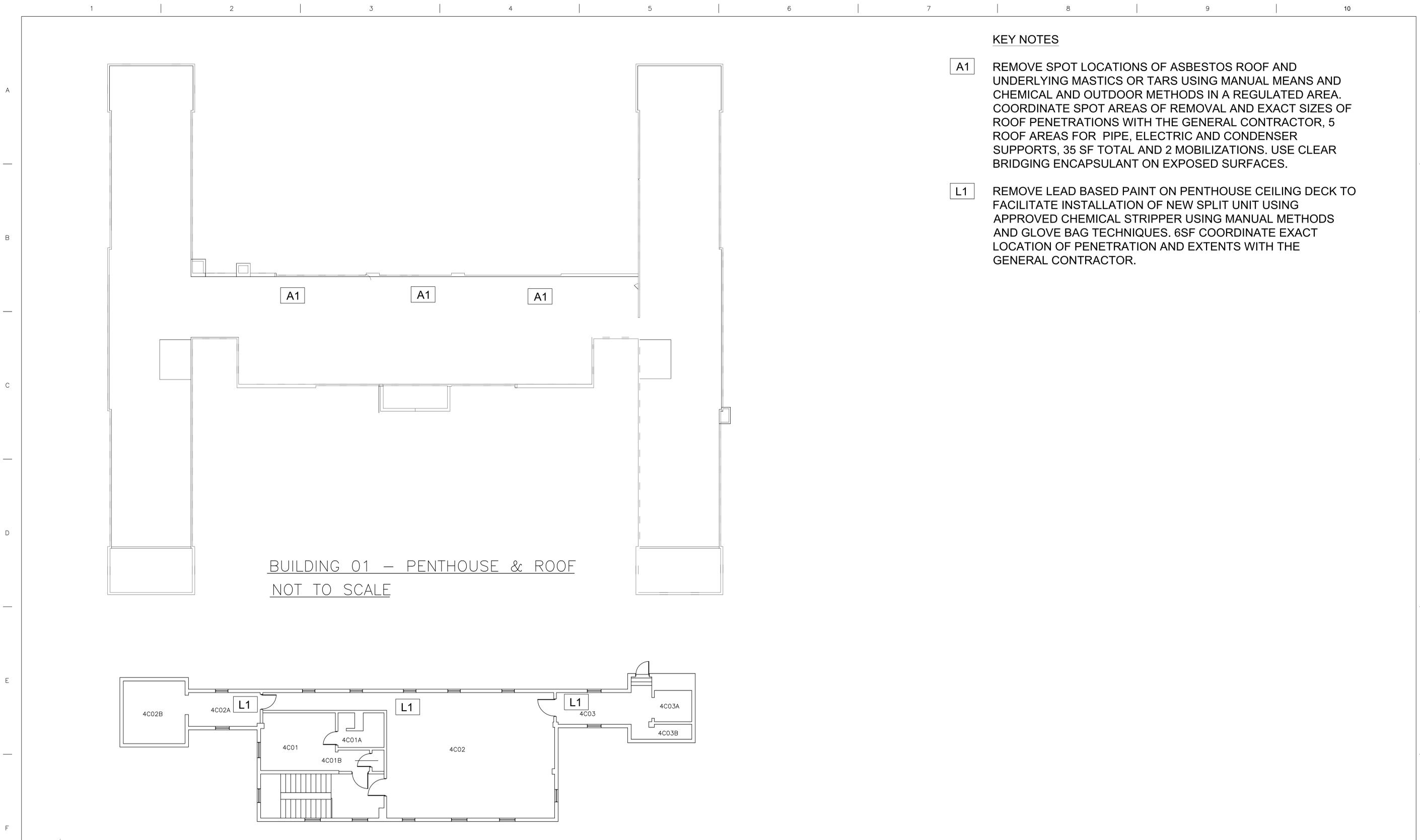
VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

KEY NOTES

- A1** REMOVE NON-ASBESTOS PEDESTAL FLOOR WITH ASBESTOS PEDESTAL MASTIC AND UNDERLYING REMNANT ASBESTOS FLOOR TILE MASTIC USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 650 SF FLOOR TILES MASTIC AND 650 SF PEDESTAL FLOOR SYSTEM AND 1 ENCLOSURE.
- A2** ASBESTOS CONTAINING EXTERIOR SURFACING (STUCCO) PRESENT UNDER NEW EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY.
- A3** REMOVE ASBESTOS CONTAINING 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS CONTAINING MASTIC. REMOVE SECOND LAYER ASBESTOS CONTAINING 9"X9" FLOOR TILE AND UNDERLYING ASBESTOS CONTAINING MASTIC TO BARE SUBSTRATE USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE. 24 SQUARE FEET. 1 ENCLOSURE
- A4** REMOVE ASBESTOS CONTAINING POURED FLOORING AND UNDERLYING ASBESTOS BLACK MASTIC TO BARE SUBSTRATE USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE. 300SF
- A5** REMOVE ASBESTOS CONTAINING LAB HOOD PANELS USING INTACT MANUAL METHODS WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE. 1 UNIT
- A6** REMOVE ASBESTOS CONTAINING COUNTERTOPS INCLUDING SINKS USING MANUAL INTACT METHODS WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE. 66 SQUARE FEET, 2 SINKS
- A7** REMOVE FAN COIL UNIT WITH ASBESTOS CONTAINING CAULKS USING MANUAL INTACT METHODS WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE. 1 UNIT
- A8** REMOVE ASBESTOS CONTAINING BLACK TAR FITTING ON CHILLED WATER LINES USING MANUAL METHODS GLOVE TECHNIQUES WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE. 2 FITTINGS
- A9** ASBESTOS PIPE INSULATION AND/OR MUDDERED FITTINGS PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO VACOR.
- A10** ASBESTOS CONTAINING GRAY CAULK ON AIR HANDLING UNIT AND DUCT WORK. DO NOT DISTURB, PROTECT AS NECESSARY.
- A11** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A12** ASBESTOS FIRE DOOR AND FRAME SYSTEMS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A13** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A14** ASBESTOS CONTAINING INTERIOR GRAY WINDOW CAULK PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A15** PRESUMED ASBESTOS CONTAINING ROOF SYSTEM. DO NOT DISTURB, PROTECT AS NECESSARY.
- L1** REMOVE LEAD CONTAMINATED CEILING GRID AND SCRAPE AND STABILIZE BROWN LEAD BASE PAINTED CONCRETE CEILING DECK USING MANUAL MEANS AND APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 650 SF OF 2'X4' ACT CEILING SYSTEM AND 650 SF OF LBP PLASTER CEILING AND 1 ENCLOSURE.
- L2** WHERE NECESSARY, REMOVE LEAD BASED PAINT FROM CONCRETE CEILING DECK TO FACILITATE PIPE PENETRATIONS USING MANUAL MEANS WITH A CHEMICAL STRIPPER USING GLOVE BAG METHODS WITHIN A REGULATED AREA, 9SF. REFER TO MECHANICAL DRAWINGS COORDINATE EXACT LOCATION OF PENETRATIONS AND EXTENTS WITH THE GENERAL CONTRACTOR.
- L3** SCRAPE AND STABILIZE DETERIORATED LEAD BASED PAINT PLASTER CEILING USING MANUAL METHODS. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF AN APPROVED ENCAPSULANT WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE, 300 SQUARE FEET
- L4** REMOVE LEAD BASED PAINT ON CEILING DECK TO FACILITATE INSTALLATION OF NEW SPLIT UNIT USING APPROVED CHEMICAL STRIPPER WITHIN EXISTING NEGATIVE PRESSURE CONTAINMENT. 4SF COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.

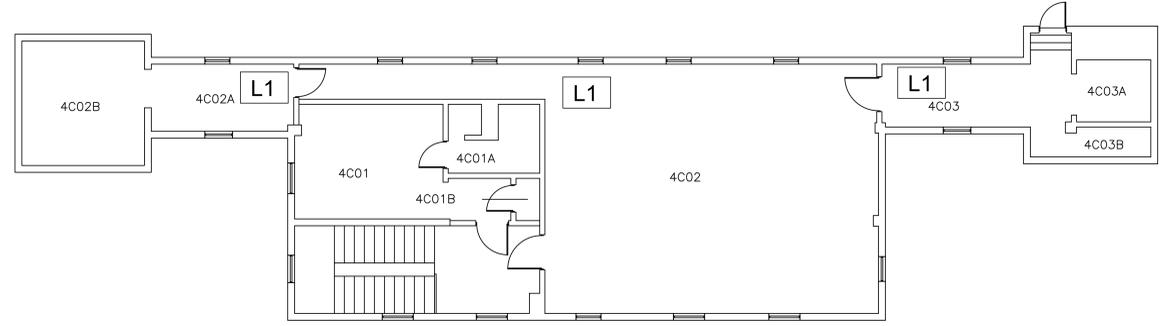
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|---|--|---|--|--|---|---|--|---|--------------------------------|
| CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title BUILDING 1 - ROOM E303 ABATEMENT | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| Revisions: _____ Date: _____ | |  | |  | Approved: _____ | Fully Sprinklered | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 | Building Number 1 | Drawing Number HA106 |



KEY NOTES

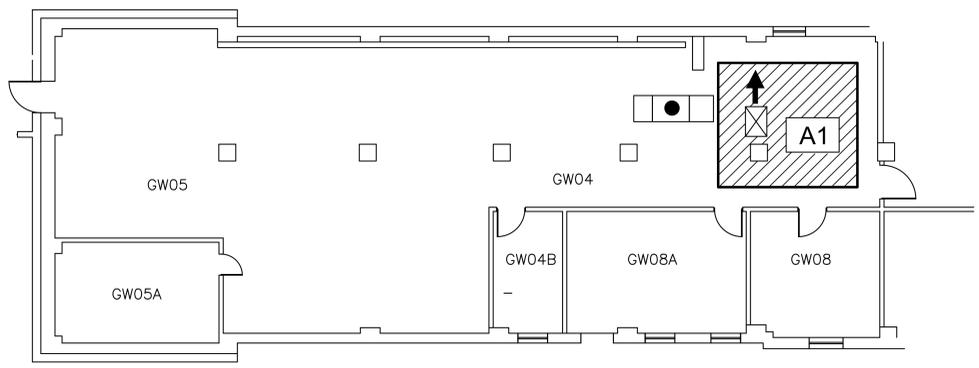
- A1** REMOVE SPOT LOCATIONS OF ASBESTOS ROOF AND UNDERLYING MASTICS OR TARS USING MANUAL MEANS AND CHEMICAL AND OUTDOOR METHODS IN A REGULATED AREA. COORDINATE SPOT AREAS OF REMOVAL AND EXACT SIZES OF ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR, 5 ROOF AREAS FOR PIPE, ELECTRIC AND CONDENSER SUPPORTS, 35 SF TOTAL AND 2 MOBILIZATIONS. USE CLEAR BRIDGING ENCAPSULANT ON EXPOSED SURFACES.
- L1** REMOVE LEAD BASED PAINT ON PENTHOUSE CEILING DECK TO FACILITATE INSTALLATION OF NEW SPLIT UNIT USING APPROVED CHEMICAL STRIPPER USING MANUAL METHODS AND GLOVE BAG TECHNIQUES. 6SF COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.

BUILDING 01 - PENTHOUSE & ROOF
NOT TO SCALE

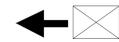


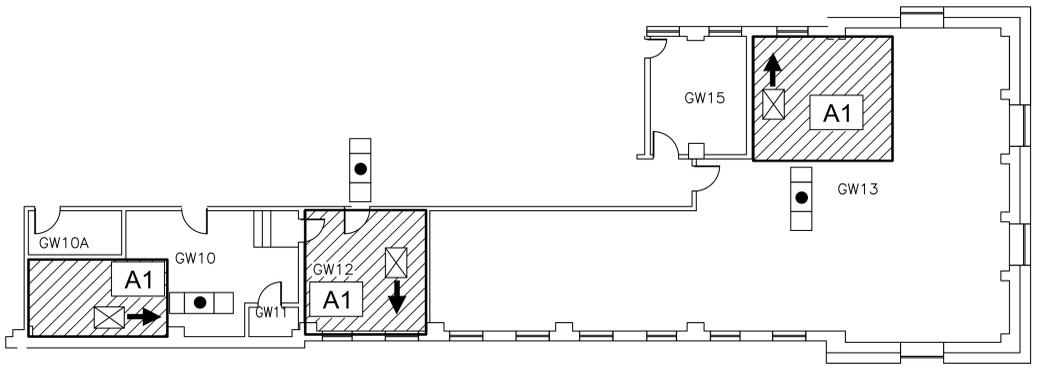
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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | BUILDING 1 - PENTHOUSE & ROOF ABATEMENT | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | | | U.S. Department of Veterans Affairs | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number |
| | | | | | | | 03/31/2022 | Checked JR | Drawn CD |
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BUILDING 01 TSI ABATEMENT – ROOM GW04
NOT TO SCALE

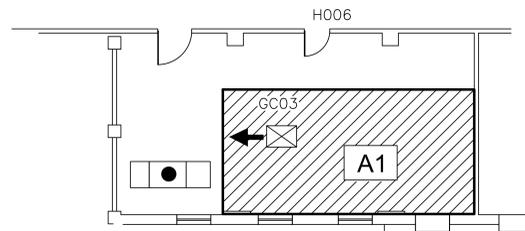
- KEY NOTES**
-  REMOVE CONTAMINATED ACT CEILING TILES, PRE-CLEAN AND REMOVE ASBESTOS PIPE INSULATION AND MUDDIED FITTINGS USING GROSS REMOVAL PROCEDURES AND GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 70 LF PIPE INSULATION AND 325 SF ACT CEILING TILES AND 4 ENCLOSURES. .
 -  NEGATIVE PRESSURE ENCLOSURE
 -  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
 -  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION



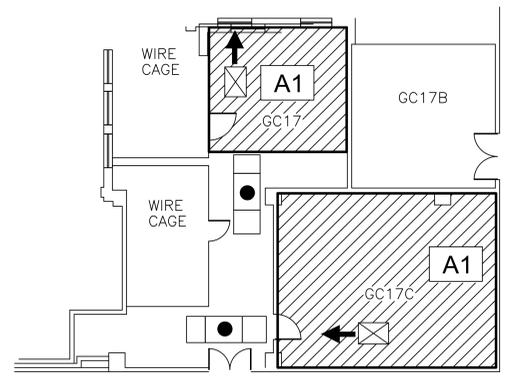
BUILDING 01 TSI ABATEMENT – ROOMS GW10, GW12. & GW13
NOT TO SCALE

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| Revisions: | Date: | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  SPEESDESIGNBUILD | STAMP  | Office of Construction and Facilities Management  U.S. Department of Veterans Affairs | Drawing Title BUILDING 1 - TSI ABATEMENT - 1 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 1 | Issue Date 03/31/2022 | Checked JR | Drawn CD | Drawing Number HA108 |

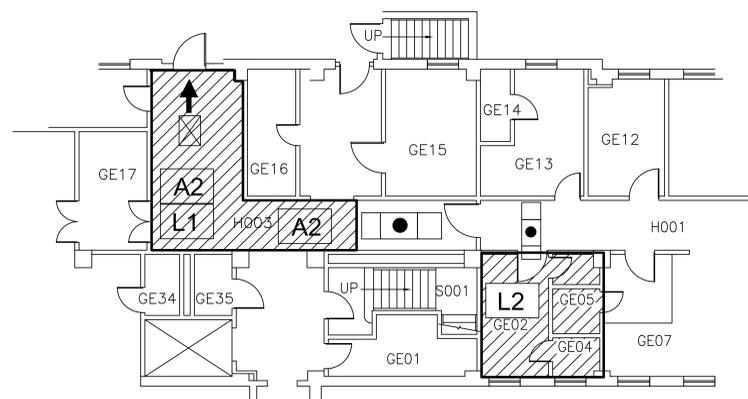
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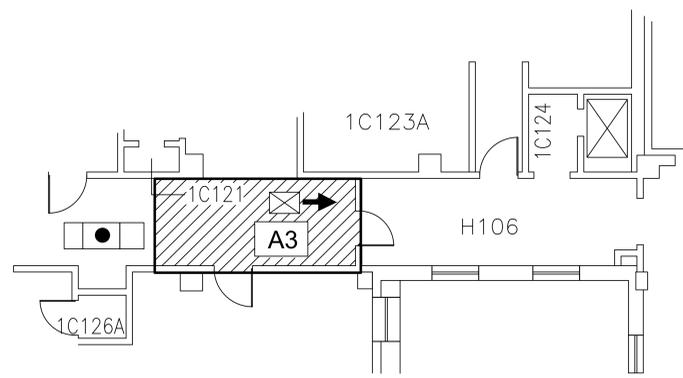
BUILDING 01 TSI ABATEMENT – ROOM GC03
NOT TO SCALE



BUILDING 01 TSI ABATEMENT – ROOMS GC17 & GC17C
NOT TO SCALE



BUILDING 01 TSI ABATEMENT – ROOMS H003 & GE02
NOT TO SCALE



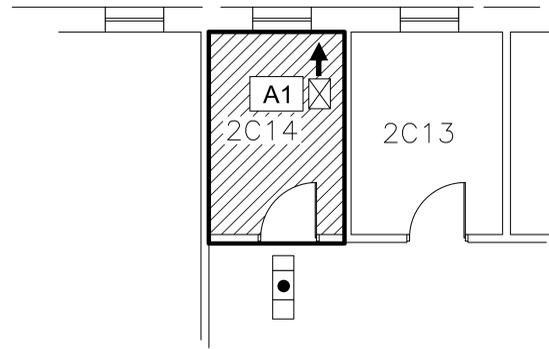
BUILDING 01 TSI ABATEMENT – ROOM H106
NOT TO SCALE

KEY NOTES

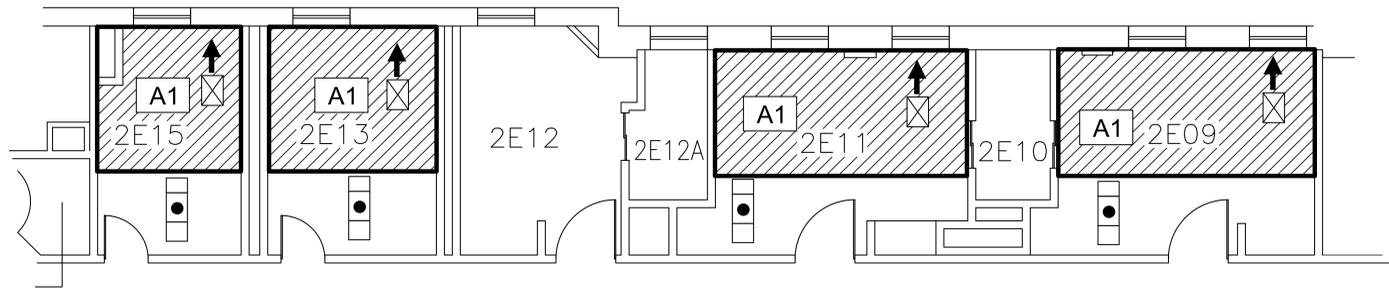
- A1** REMOVE CONTAMINATED ACT CEILING TILES, PRE-CLEAN AND REMOVE ASBESTOS PIPE INSULATION AND MUDDED FITTINGS USING GROSS REMOVAL PROCEDURES AND GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 30 LF PIPE INSULATION AND 325 SF ACT CEILING TILES AND 3 ENCLOSURES.
- A2** ON NIGHTS AND WEEKENDS, REPAIR MECHANICAL DEFECTS TO ASBESTOS PIPE INSULATION, FITTINGS, AND/OR OPEN JOINTS WITHIN A NEGATIVE PRESSURE ENCLOSURE. HEPA VACUUM (PRE-CLEAN) AND APPLY TWO LAYERS OF COVERING LAG CLOTH OVER DAMAGE/DEFECTS, 1 ENCLOSURE, 8 DEFECTS WITHIN EACH ENCLOSURE
- A3** ON NIGHTS AND WEEKENDS, REMOVE CONTAMINATED ACT CEILING TILES, PRE-CLEAN AND REPAIR MECHANICAL DEFECTS TO ASBESTOS PIPE INSULATION, FITTINGS, AND/OR OPEN JOINTS WITHIN A NEGATIVE PRESSURE ENCLOSURE. HEPA VACUUM (PRE-CLEAN) AND APPLY TWO LAYERS OF COVERING LAG CLOTH OVER DAMAGE/DEFECTS, 1 ENCLOSURE, 100 SF CEILING TILES AND 8 DEFECTS WITHIN ENCLOSURE.
- L1** ON NIGHTS AND WEEKENDS, SCRAPE AND STABILIZE LEAD BASE PAINTED PLASTER CEILING USING MANUAL MEANS AND APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 200 SF OF LBP PLASTER CEILING.
- L2** ON NIGHTS AND WEEKENDS, SCRAPE AND STABILIZE LEAD BASE PAINTED PLASTER CEILING USING MANUAL MEANS AND APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 160 SF OF LBP PLASTER CEILING.
- NEGATIVE PRESSURE ENCLOSURE
- THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
- NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| Revisions: | Date: | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title BUILDING 1 - TSI ABATEMENT - 2 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO. | Issue Date 03/31/2022 | Checked JR | Drawn CD |

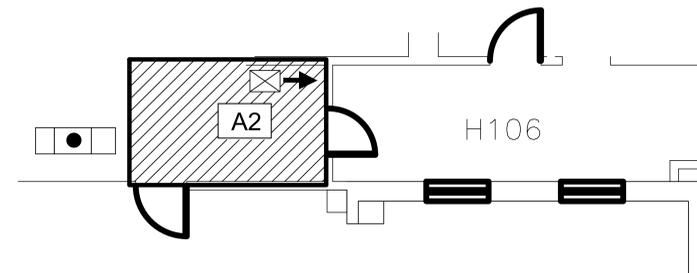
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BUILDING 01 TSI ABATEMENT – ROOM 2C14
NOT TO SCALE



BUILDING 01 TSI ABATEMENT – ROOMS 2E15, 2E13, 2E11, & 2E09
NOT TO SCALE



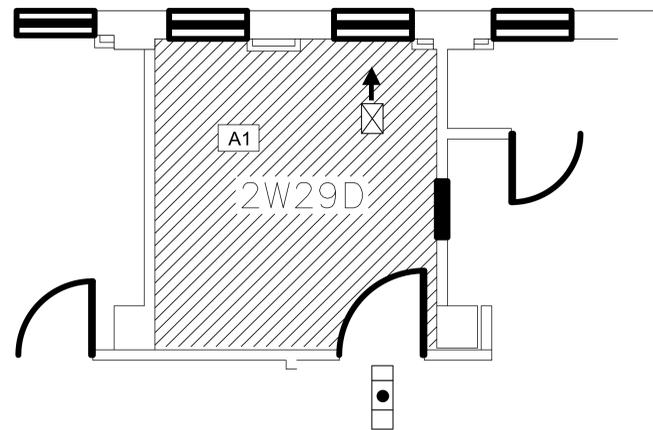
BUILDING 01 TSI ABATEMENT – ROOM H106
NOT TO SCALE

KEY NOTES

- A1** REMOVE CONTAMINATED ACT CEILING TILES, PRE-CLEAN AND REMOVE ASBESTOS PIPE INSULATION AND MUDDIED FITTINGS USING GROSS REMOVAL PROCEDURES AND GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 60 LF PIPE INSULATION AND 500 SF ACT CEILING TILES AND 5 ENCLOSURES.
- A2** ON NIGHTS AND WEEKENDS, REMOVE CONTAMINATED ACT CEILING TILES, PRECLEAN AND REPAIR MECHANICAL DEFECTS TO ASBESTOS PIPE INSULATION, FITTINGS, AND/OR OPEN JOINTS WITHIN A NEGATIVE PRESSURE ENCLOSURE. HEPA VACUUM (PRE-CLEAN) AND APPLY TWO LAYERS OF COVERING LAG CLOTH OVER DAMAGE/DEFECTS, 1 ENCLOSURE, 100 SF CEILING TILES AND 8 DEFECTS WITHIN ENCLOSURE.
-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

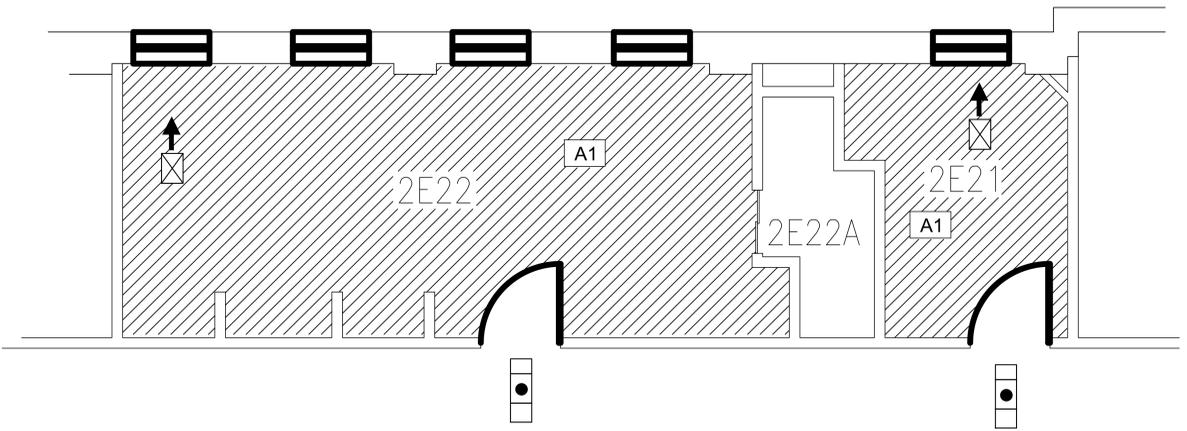
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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES |  | | BUILDING 1 - TSI ABATEMENT - 3 | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 1 |
| | | | | | | | | Issue Date 03/31/2022 | Drawing Number HA110 |
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- KEY NOTES**
- A1 REMOVE CONTAMINATED ACT CEILING TILES, PRE-CLEAN AND REMOVE ASBESTOS PIPE INSULATION AND MUDDED FITTINGS USING GROSS REMOVAL PROCEDURES AND GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 40 LF PIPE INSULATION AND 300 SF ACT CEILING TILES AND 3 ENCLOSURES.
 - NEGATIVE PRESSURE ENCLOSURE
 - THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
 - NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

BUILDING 01 TSI ABATEMENT – ROOM 2W29D
NOT TO SCALE

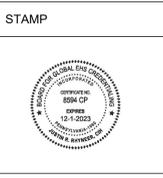


BUILDING 01 TSI ABATEMENT – ROOMS 2E22 & 2E21
NOT TO SCALE

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| Revisions: | Date: |
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CONSULTANT
INDUSTRIAL HYGIENIST:
RSH
11140 S. TOWNE SQ. STE. 100
ST LOUIS, MO. 63123
(314) 917-0148

ARCHITECT/ENGINEER OF RECORD
A/E:
SPEES DESIGN BUILD
625 1ST AVE, STE 301
SEATTLE, WA 98104
(206) 590-2118
RAY SPEES



Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
BUILDING 1 - TSI ABATEMENT - 3

Approved:

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE UPGRADES

Location
ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO

Issue Date
03/31/2022

Checked
JR

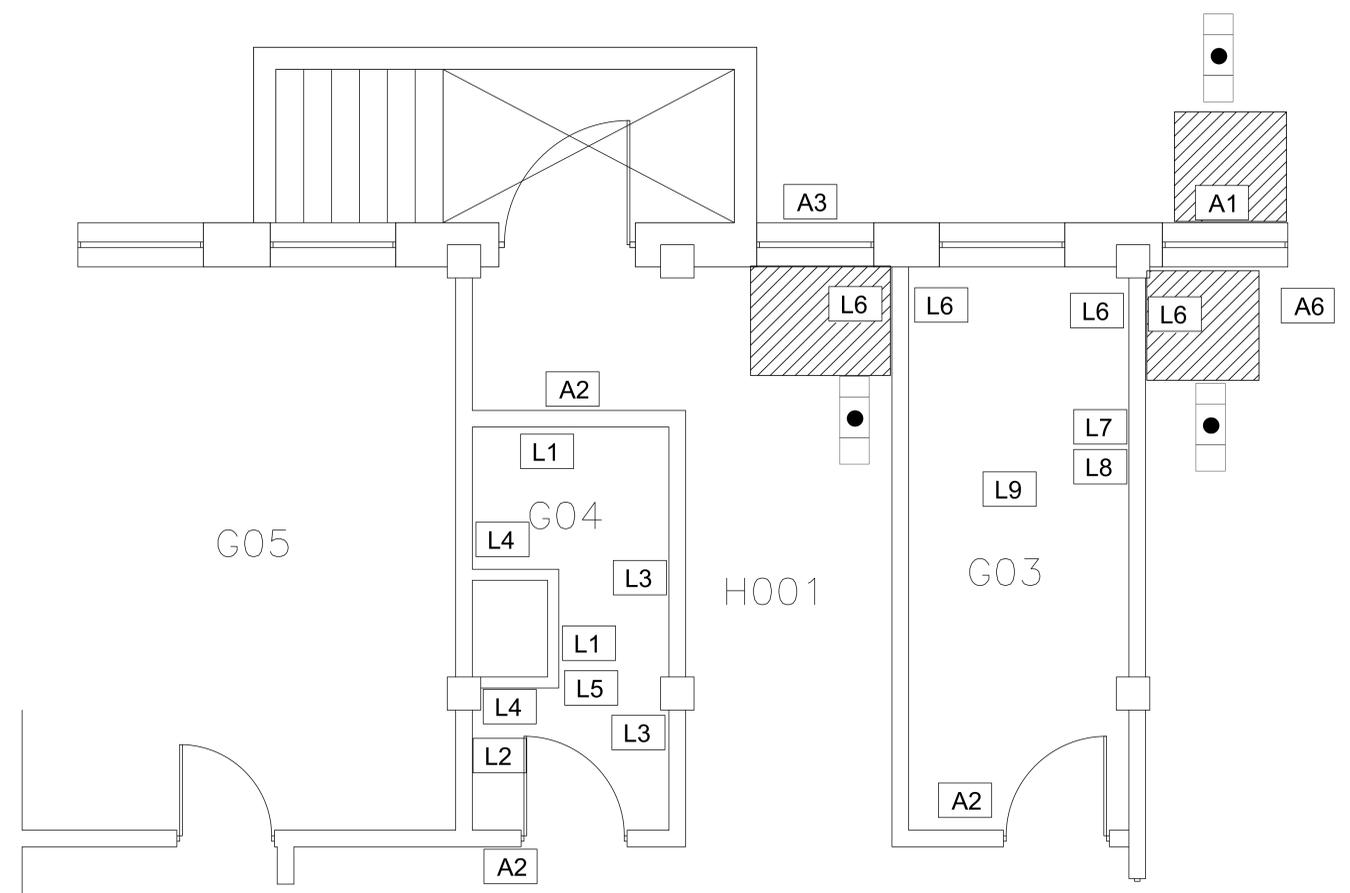
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Project Number
657-21-701JB

Building Number
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Drawing Number
HA111

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ROOM G04 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

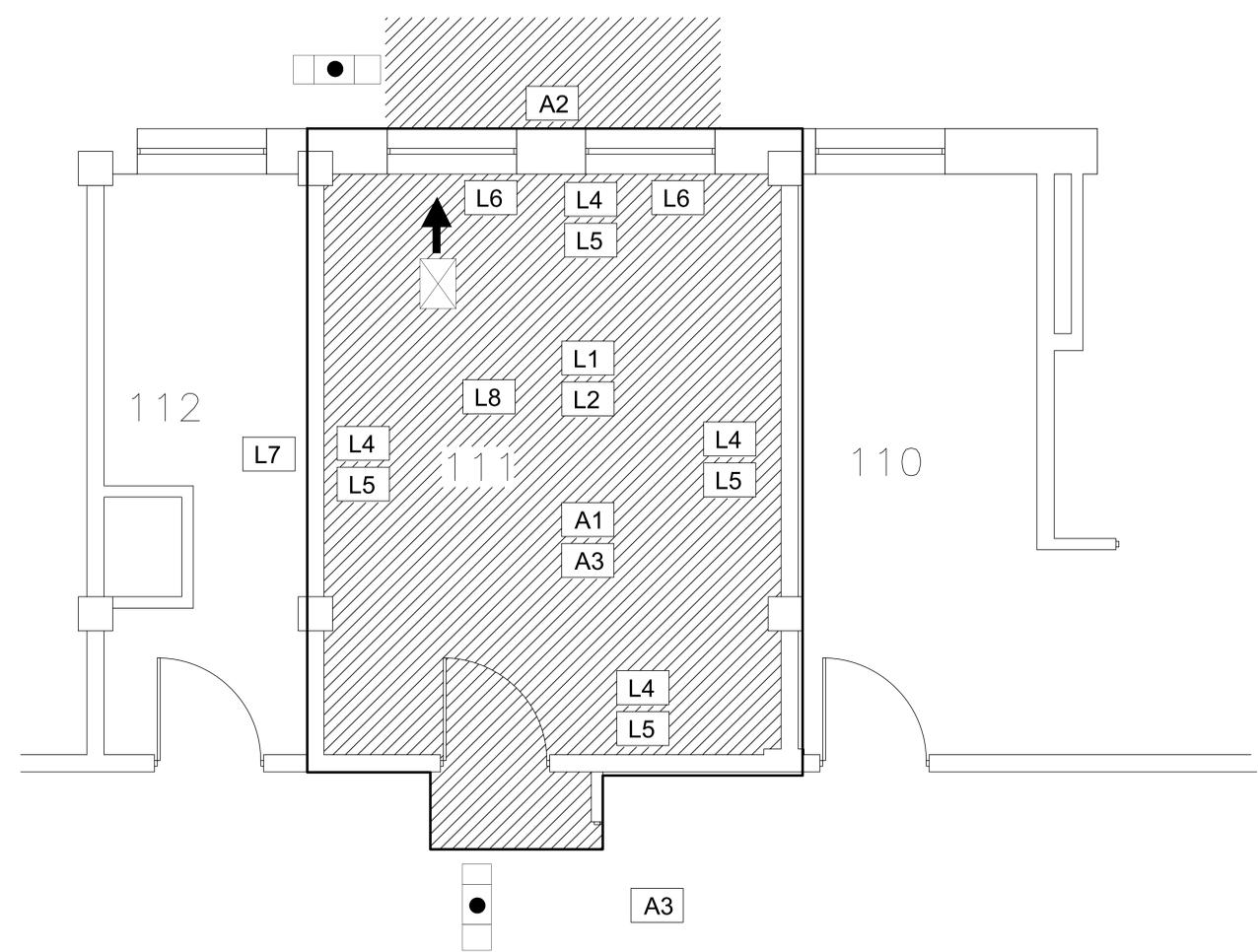
KEY NOTES

- A1 REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF AND 1 ENCLOSURE.
- A2 DRYWALL WALL WITH ASBESTOS CONTAINING LIGHT BROWN PENETRATION CAULK ON CEILING SEAM AT JOINING OF DRYWALL TO DECK, PROTECT AS NECESSARY.
- A3 ASBESTOS CONTAINING EXTERIOR SURFACING (STUCCO) PRESENT UNDER NEW EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A4 ASBESTOS CONTAINING WHITE DUCT SEAM SEALANT PRESUMED PRESENT ON ALL DUCT WORK, DO NOT DISTURB, PROTECT AS NECESSARY
- A5 ASBESTOS CONTAINING EXTERIOR LOUVRE SILL SEALANT- BLACK PRESENT ON ALL EXTERIOR LOUVRES, DO NOT DISTURB, PROTECT AS NECESSARY
- A6 ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY.
- A7 WHERE PRESENT AT SUBSURFACE FOUNDATION WALL AT DUCTBANK PENETRATION, REMOVE ASBESTOS STUCCO USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN AN OUTDOOR NEGATIVE PRESSURE ENCLOSURE. HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 3 SF AND 1 ENCLOSURE.
- L1 NON- LEAD BASED PAINTED DRYWALL WALL, DOOR, AND DOOR FRAME WITHIN A NEGATIVE PRESSURE ENCLOSURE, 60 SF WALL AND 1 DOOR SYSTEM. ASBESTOS CAULK PRESENT AT WALL TO CEILING JOINING, PROTECT AS NECESSARY.
- L2 DUCTLESS MINI-SPLIT, CONTROLS, TEPTRAK SENSOR, OUTLETS, PANELS AND EQUIPMENT MOUNTED ON LBP WALLS. PROTECT AS NECESSARY.
- L3 LEAD BASED PAINT PLASTER WALLS, PROTECT AS NECESSARY.
- L4 DELAMINATING LBP PLASTER WALL, PROTECT AS NECESSARY.
- L5 WHITE LEAD BASED PAINT ON PLASTER CEILING DECK, PROTECT AS NECESSARY.
- L6 WHITE LEAD BASED PAINT ON PLASTER CEILING DECK, SCRAPE AND STABILIZE USING MANUAL MEANS AND REMOVE A PAINT PATCH USING MANUAL AND CHEMICAL MEANS FOR FUTURE PIPE PENETRATION. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF ENCAPSULANT, 130 SF LBP CEILING, 4 SF OF PLASTER AT FUTURE PENETRATIONS AND 1 ENCLOSURE. PERFORM LBP REMOVAL IN ADJACENT LOCATIONS WITHIN RESTRICTED AREAS. COORDINATE LOCATIONS AND EXTENTS WITH GENERAL CONTRACTOR.
- L7 LEAD BASED PAINT ON PLASTER WALL, SCRAPE AND STABILIZE USING MANUAL MEANS AND APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 180 SF.
- L8 INSTALL/ANCHOR UNI STRUT ATTACHMENTS AT LOCATIONS COORDINATED WITH GENERAL CONTRACTOR ONTO PLASTER WALL TO FACILITATE PANEL AND BUS INSTALLATION WITHIN NEGATIVE PRESSURE ENCLOSURE, 10 EACH (90LF).
- L9 LEAD BASED PAINT ON FIRE SPRINKLER LINE, PROTECT AS NECESSARY.

VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| Revisions: | Date: | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 2 - ROOM G04 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| | | Approved: | FULLY SPRINKLERED | Location ST LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Drawing Number HA020 | | | | |



ROOM 111 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

VISUAL KEY

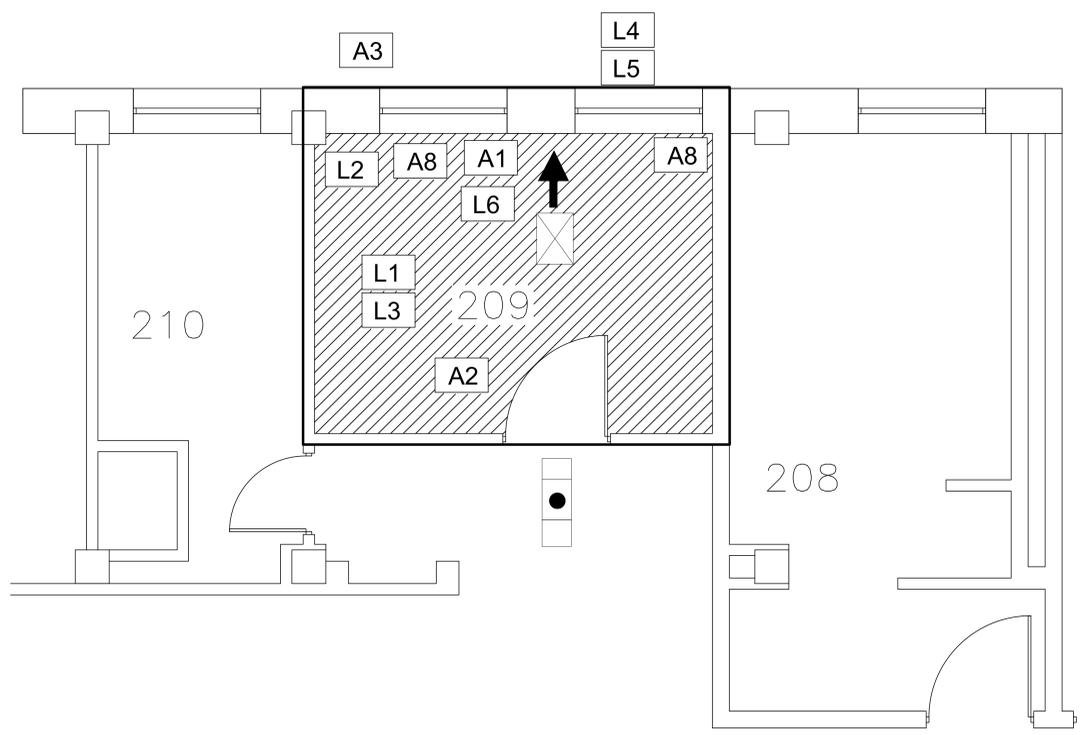
-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

KEY NOTES

- A1** ASBESTOS FLOOR TILE AND MASTIC PRESENT BELOW CARPET, DO NOT DISTURB, PROTECT AS NECESSARY.
- A2** REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 3 SF AND 1 ENCLOSURE.
- A3** ASBESTOS CONTAINING WHITE DUCT SEAM SEALANT PRESUMED PRESENT ON ALL DUCT WORK, DO NOT DISTURB, PROTECT AS NECESSARY
- A4** ASBESTOS CONTAINING LIGHT BROWN PENETRATION CAULK PRESUMED PRESENT AT ALL DRYWALL TO DECK PENETRATIONS, DO NOT DISTURB, PROTECT AS NECESSARY
- A5** ASBESTOS PIPE INSULATION AND/OR MUDDED FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY
- A6** ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A8** ASBESTOS CONTAINING EXTERIOR LOUVRE SILL SEALANT- BLACK PRESENT ON ALL EXTERIOR LOUVRES, DO NOT DISTURB, PROTECT AS NECESSARY
- L1** REMOVE NON-ASBESTOS CEILING GRID AND SCRAPE AND STABILIZE LEAD BASE PAINTED PLASTER CEILING USING MANUAL MEANS AND REMOVE A PAINT PATCH FOR FUTURE PIPE PENETRATION AND APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 290 SF OF 2' X 2' ACT CEILING SYSTEM, 260 SF LBP PLASTER CEILING AND BEAMS, 1 SF AT FUTURE PENETRATION AND 1 ENCLOSURE.
- L2** REMOVE EXISTING NON ASBESTOS AND LEAD EQUIPMENT (FAN COIL UNIT, IT JACKS AND OTHER WALL AND CEILING SURFACE FIXTURES WITHIN NEGATIVE PRESSURE ENCLOSURE. COORDINATE EXTENTS AND LOCATIONS WITH THE GENERAL CONTRACTOR.
- L3** REMOVE NON LEAD DOOR AND DOOR FRAME LOCATED IN AN LBP WALL USING MANUAL MEANS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 1 DOOR SYSTEM
- L4** REMOVE WOOD WAINSCOTING AND SCRAPE AND STABILIZE LEAD BASE PAINTED PLASTER WALLS USING MANUAL MEANS AND APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 200 SF OF WOOD WAINSCOTING AND 600 SF LBP PLASTER WALLS.
- L5** INSTALL/ANCHOR UNI STRUT ATTACHMENTS AT LOCATIONS COORDINATED WITH GENERAL CONTRACTOR ONTO PLASTER WALL TO AND/OR CEILING TO FACILITATE FUTURE FIXTURE INSTALLATION WITHIN NEGATIVE PRESSURE ENCLOSURE, 15 EACH (150 LF).
- L6** LEAD BASED PAINT WOOD WINDOW COMPONENTS, DO NOT DISTURB, PROTECT AS NECESSARY
- L7** LEAD BASED PAINTED PLASTER WALL, DO NOT DISTURB, PROTECT AS NECESSARY
- L8** REMOVE LBP PAINT PATCHES USING MANUAL AND CHEMICAL MEANS FOR FUTURE PIPE PENETRATIONS AND APPLY TWO APPLICATIONS OF ENCAPSULANT, 2 SF OF LBP ON PLASTER CEILING AT FUTURE PENETRATIONS AND 1 EXISTING ENCLOSURE. COORDINATE LOCATIONS AND EXTENTS WITH GENERAL CONTRACTOR.

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| Revisions: | Date: | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 2 - ROOM 111 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked JR | Drawn CD | Building Number 2 | Drawing Number HA021 |

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ROOM 209 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

KEY NOTES

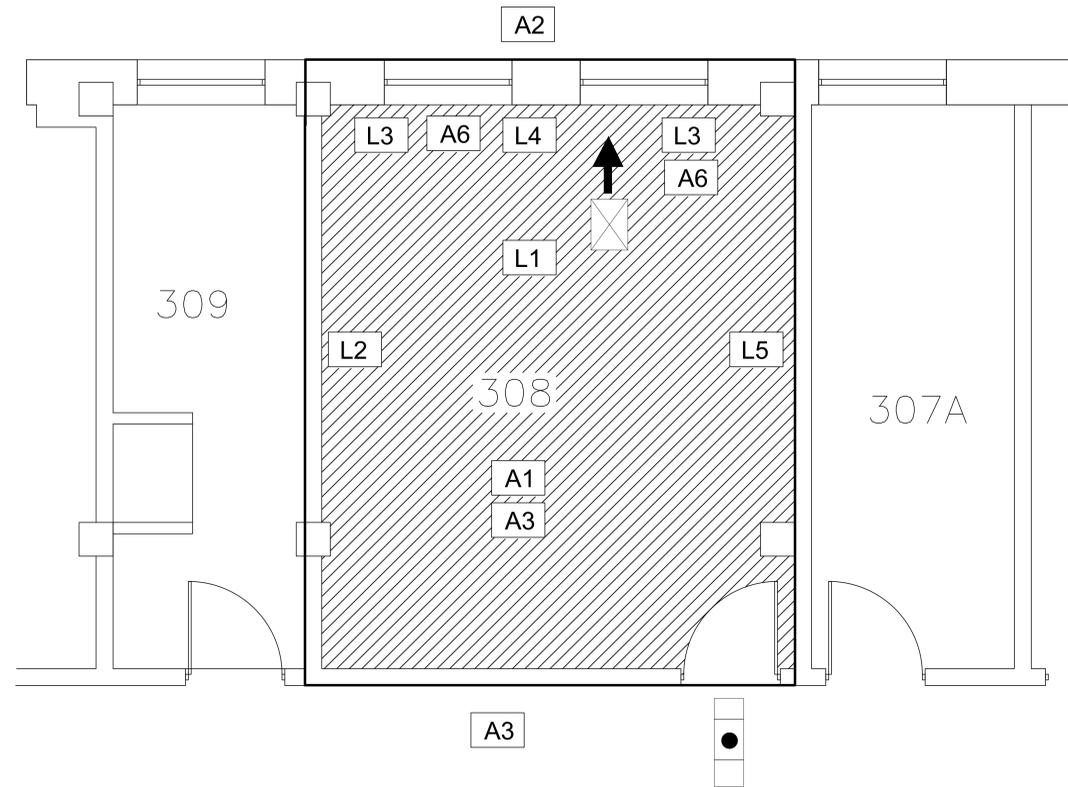
- A1 REMOVE SINK WITH ASBESTOS SOUNDPROOFING IN WHOLE USING MANUAL NON-DESTRUCTIVE METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 2 UNITS.
- A2 REMOVE NON-ASBESTOS FLOOR TILE AND MASTIC AND UNDERLYING LAYER OF ASBESTOS 12" X 12" FLOOR TILE, TAR PAPER AND ASBESTOS MASTIC ON WOOD SUBSTRATE USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 110 SF FLOOR TILES AND MASTIC, 2 LAYERS AND 1 ENCLOSURE. POST ASBESTOS CLEARANCE, INSTALL 3/4 INCH GRADE B PLYWOOD COVER SYSTEM OVER REMAINING ASBESTOS MASTIC ON ORIGINAL WOOD FLOOR.
- A3 ASBESTOS CONTAINING EXTERIOR SURFACING (STUCCO) PRESENT UNDER NEW EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A4 ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A5 ASBESTOS CONTAINING WHITE DUCT SEAM SEALANT PRESUMED PRESENT ON ALL DUCT WORK, DO NOT DISTURB, PROTECT AS NECESSARY
- A6 ASBESTOS CONTAINING LIGHT BROWN PENETRATION CAULK PRESUMED PRESENT AT ALL DRYWALL TO DECK PENETRATIONS, DO NOT DISTURB, PROTECT AS NECESSARY
- A7 ASBESTOS PIPE INSULATION AND/OR MUDDED FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY
- A8 ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A9 ASBESTOS CONTAINING EXTERIOR LOUVRE SILL SEALANT- BLACK PRESENT ON ALL EXTERIOR LOUVERS, DO NOT DISTURB, PROTECT AS NECESSARY
- L1 REMOVE NON-ASBESTOS CEILING GRID AND SCRAPE AND STABILIZE LEAD BASE PAINTED PLASTER CEILING USING MANUAL MEANS AND REMOVE A PAINT PATCH FOR FUTURE PIPE PENETRATION. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 120 SF OF 2' X 2' ACT CEILING SYSTEM, 120 SF LBP PLASTER CEILING, 1 SF FOR PENETRATION AND 1 ENCLOSURE.
- L2 REMOVE EXISTING NON ASBESTOS CASEWORK AND FIXTURES MOUNTED ON LBP CEILING AND PERIMETER WALL WITHIN NEGATIVE PRESSURE ENCLOSURE. COORDINATE EXTENTS AND LOCATIONS WITH THE GENERAL CONTRACTOR, 55 LF AND 4 FIXTURES. COORDINATE WITH GENERAL CONTRACTOR AND SALVAGE.
- L3 INSTALL/ANCHOR UNI STRUT ATTACHMENTS AT LOCATIONS COORDINATED WITH GENERAL CONTRACTOR ONTO LBP PLASTER WALL AND/OR CEILING TO FACILITATE FUTURE FIXTURE INSTALLATION WITHIN NEGATIVE PRESSURE ENCLOSURE, 2 EACH (18 LF).
- L4 LEAD BASED PAINTED WOOD WINDOW COMPONENTS, DO NOT DISTURB, PROTECT AS NECESSARY
- L5 LEAD BASED PAINTED PLASTER WALL, DO NOT DISTURB, PROTECT AS NECESSARY
- L6 REMOVE LBP PAINT PATCHES USING MANUAL AND CHEMICAL MEANS FOR FUTURE PIPE PENETRATIONS AND APPLY TWO APPLICATIONS OF ENCAPSULANT, 2 SF OF LBP ON PLASTER CEILING AT FUTURE PENETRATIONS AND 1 EXISTING ENCLOSURE. COORDINATE LOCATIONS AND EXTENTS WITH GENERAL CONTRACTOR.

VISUAL KEY

- NEGATIVE PRESSURE ENCLOSURE
- THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
- NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 2 - ROOM 209 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB Building Number 2 | | |
| Revisions: | | Date: | | Approved: | | FULLY SPRINKLERED | Location ST LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked JR | Drawn CD | Drawing Number HA022 |

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ROOM 308 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

KEY NOTES

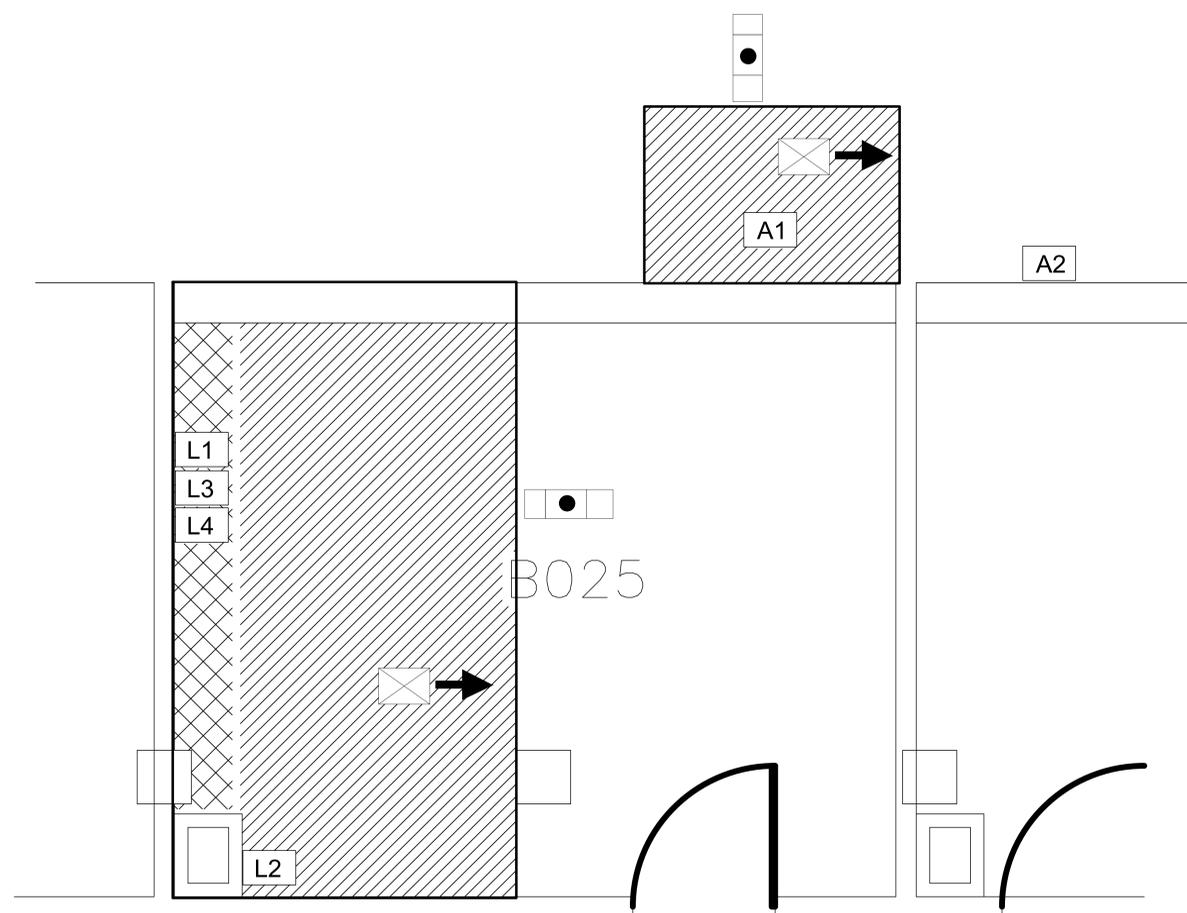
- A1** REMOVE NON-ASBESTOS CARPET AND MASTIC AND UNDERLYING LAYER OF ASBESTOS FLOOR TILE, TAR PAPER AND ASBESTOS MASTIC ON WOOD SUBSTRATE USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 230 SF CARPET, FLOOR TILES AND MASTIC AND 1 ENCLOSURE. POST ASBESTOS CLEARANCE, INSTALL 3/4 INCH GRADE B PLYWOOD COVER SYSTEM OVER RESIDUAL ASBESTOS MASTIC ON ORIGINAL WOOD FLOOR.
- A2** ASBESTOS CONTAINING EXTERIOR SURFACING (STUCCO) PRESENT UNDER NEW EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A3** ASBESTOS CONTAINING WHITE DUCT SEAM SEALANT PRESUMED PRESENT ON ALL DUCT WORK, DO NOT DISTURB, PROTECT AS NECESSARY
- A4** ASBESTOS CONTAINING LIGHT BROWN PENETRATION CAULK PRESUMED PRESENT AT ALL DRYWALL TO DECK PENETRATIONS, DO NOT DISTURB, PROTECT AS NECESSARY
- A5** ASBESTOS PIPE INSULATION AND/OR MUDDED FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY
- A6** ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A8** ASBESTOS CONTAINING EXTERIOR LOUVRE SILL SEALANT- BLACK PRESENT ON ALL EXTERIOR LOUVERS, DO NOT DISTURB, PROTECT AS NECESSARY
- A9** PRESUMED ASBESTOS CONTAINING ROOF SYSTEM. DO NOT DISTURB, PROTECT AS NECESSARY
- L1** REMOVE NON-ASBESTOS CEILING GRID AND SCRAPE AND STABILIZE LEAD BASE PAINTED PLASTER CEILING USING MANUAL MEANS. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 230 SF OF 2' X 2' ACT CEILING SYSTEM AND 230 SF LBP PLASTER CEILING.
- L2** INSTALL/ANCHOR UNI STRUT ATTACHMENTS AT LOCATIONS COORDINATED WITH GENERAL CONTRACTOR ONTO LBP PLASTER WALL AND/OR CEILING TO FACILITATE FUTURE FIXTURE INSTALLATION WITHIN NEGATIVE PRESSURE ENCLOSURE, 8 EACH (72 LF).
- L3** LEAD BASED PAINTED WOOD WINDOW COMPONENTS, DO NOT DISTURB, PROTECT AS NECESSARY
- L4** LEAD BASED PAINTED PLASTER WALL, DO NOT DISTURB, PROTECT AS NECESSARY
- L5** SCRAPE AND STABILIZE LEAD BASED PAINT ON PLASTER WALL USING MANUAL METHODS AND APPLY TWO APPLICATIONS OF AN ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 180 SQUARE FEET AND 1 ENCLOSURE.

VISUAL KEY

- NEGATIVE PRESSURE ENCLOSURE
- THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
- NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | STAMP | Office of Construction and Facilities Management U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 2 - ROOM 308 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB | | | | |
| Revisions: | Date: | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked JR | Drawn CD | Building Number 2 | Drawing Number HA023 |

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ROOM B025 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

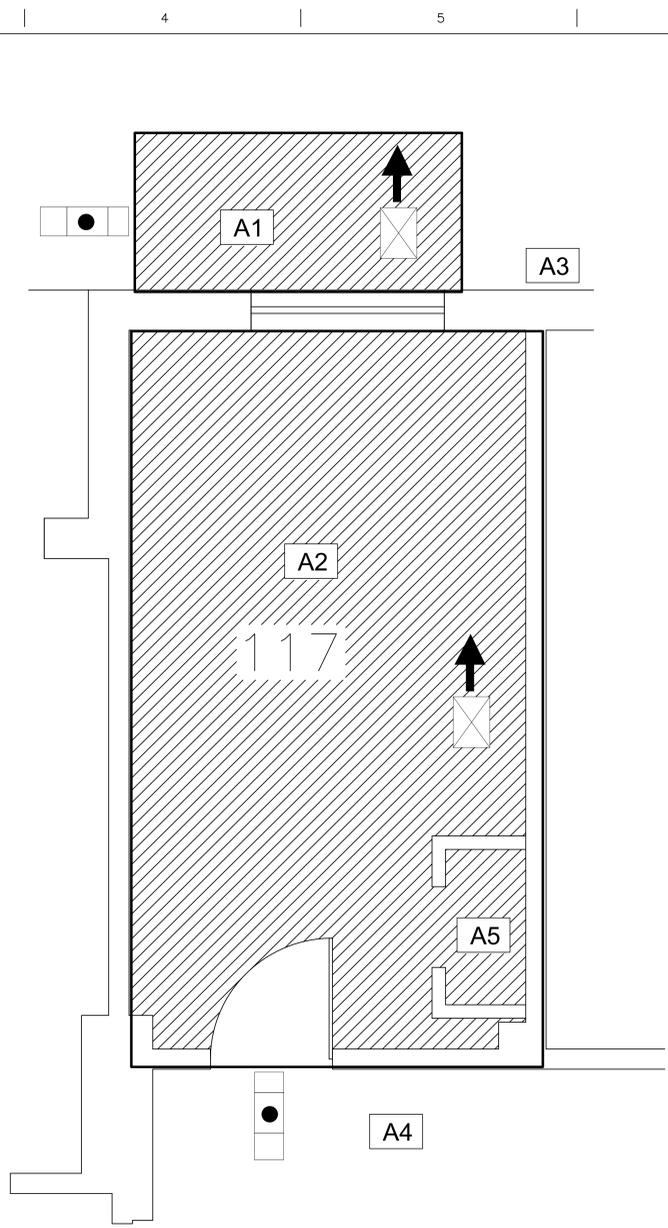
KEY NOTES

- A1 REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF AND 1 ENCLOSURE.
- A2 ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A3 ASBESTOS PIPE INSULATION AND/OR MUDDIED FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY
- A4 INTERIOR ASBESTOS CONTAINING SURFACING MATERIAL (STUCCO) PRESENT ON INTERIOR WALL LOCATED AT EAST ADDITION THRESHOLD, PROTECT AS NECESSARY
- A5 WHERE PRESENT AT SUBSURFACE FOUNDATION WALL AND DUCTBANK PENETRATION, REMOVE ASBESTOS STUCCO USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN AN OUTDOOR NEGATIVE PRESSURE ENCLOSURE. HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 3 SF AND 1 ENCLOSURE.
- L1 SCRAPE AND STABILIZE DETERIORATED LEAD BASED PAINT PLASTER WALL USING MANUAL METHODS AND APPLY TWO APPLICATIONS OF AN APPROVED ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 150 SQUARE FEET AND 1 ENCLOSURE.
- L2 REMOVE LEAD BASED PAINTED SINK USING INTACT METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 1 EACH.
- L3 REMOVE NECESSARY FIXTURES ON LBP PLASTER WALL WITHIN NEGATIVE PRESSURE ENCLOSURE. COORDINATE REMOVAL WITH GENERAL CONTRACTOR, 1 TELECOM OUTLET.
- L4 INSTALL/ANCHOR UNI STRUT ATTACHMENTS AT LOCATIONS COORDINATED WITH GENERAL CONTRACTOR ONTO PLASTER WALL TO FACILITATE PANEL AND BUS INSTALLATION WITHIN NEGATIVE PRESSURE ENCLOSURE, 10 EACH (90LF)

VISUAL KEY

- SCRAPE AND STABILIZE LEAD BASED PAINT PLASTER WALL
- NEGATIVE PRESSURE ENCLOSURE
- THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
- NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| | | CONSULTANT | | ARCHITECT/ENGINEER OF RECORD | | STAMP | | Office of Construction and Facilities Management | | Drawing Title | | Phase | | Project Title | | Project Number | |
| Revisions: | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 9170-0148 | | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | | | | ENVIRONMENTAL HAZARDS - BUILDING 3 - ROOM B025 | | 100% CONSTRUCTION DOCUMENTS | | EHRM INFRASTRUCTURE UPGRADES | | 657-21-701JB | |
| Date: | | | | | | | | U.S. Department of Veterans Affairs | | Approved: | | FULLY SPRINKLERED | | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | | Building Number 3 | |
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KEY NOTES

- A1** REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION, ELEVATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF AND 1 ENCLOSURE.
- A2** REMOVE NON-ASBESTOS LAYER OF 12"X12" FLOOR TILE, MASTIC AND SUB-BOARD AND UNDERLYING LAYER OF ASBESTOS 9"X9" FLOOR TILE AND ASBESTOS MASTIC ON WOOD SUB-BOARDS USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 180 SF FLOORING EACH LAYER, 2 FLOOR LAYERS. POST ASBESTOS CLEARANCE, INSTALL 3/4 INCH GRADE B PLYWOOD COVER SYSTEM OVER REMAINING ASBESTOS MASTIC ON ORIGINAL WOOD FLOOR.
- A3** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A4** ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT UNDER FLOOR SHEETING. DO NOT DISTURB, PROTECT AS NECESSARY.
- A5** ASBESTOS PIPE INSULATION AND/OR MUDDERED FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY
- A6** INTERIOR ASBESTOS CONTAINING SURFACING MATERIAL (STUCCO) PRESENT ON INTERIOR WALL LOCATED AT EAST ADDITION THRESHOLD, PROTECT AS NECESSARY

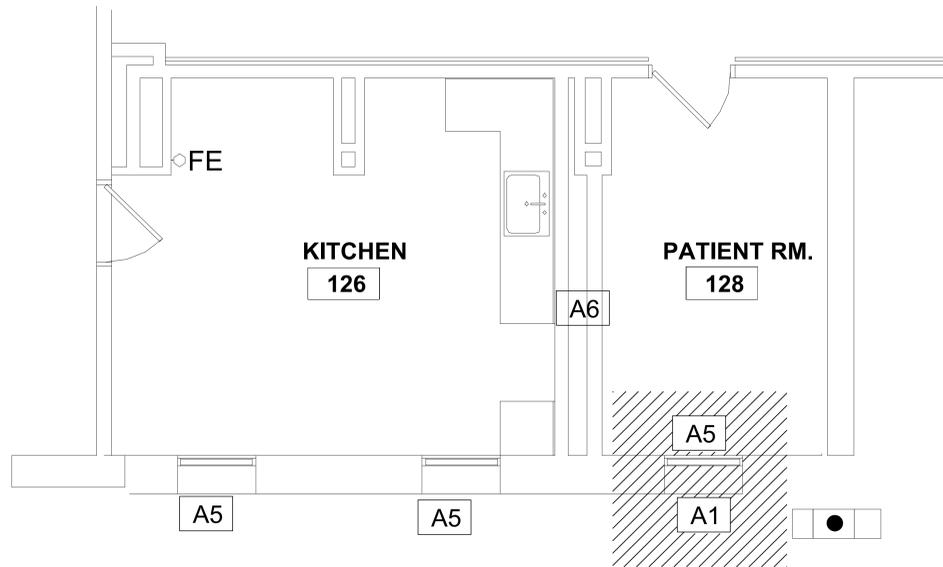
ROOM 117 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 9170-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 3 - ROOM 117 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB | | |
| Revisions: _____ Date: _____ | |  | | Approved: _____ | Fully Sprinklered | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked JR | Drawn CD | Building Number 3 | Drawing Number HA031 |

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ROOM 128 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

KEY NOTES

- A1 REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION, ELEVATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF AND 1 ENCLOSURE.
- A2 REMOVE NON-ASBESTOS LAYER OF SHEET FLOORING, FELT AND SUB-BOARD AND UNDERLYING 2 LAYERS OF ASBESTOS 9"X9" FLOOR TILE AND ASBESTOS MASTIC ON WOOD SUB-BOARDS USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 140 SF FLOORING EACH LAYER, 3 FLOOR LAYERS. POST ASBESTOS CLEARANCE, INSTALL 3/4 INCH GRADE B PLYWOOD COVER SYSTEM OVER REMAINING ASBESTOS MASTIC ON ORIGINAL WOOD FLOOR.
- A3 LAYER(S) OF ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT UNDER SHEET FLOORING. DO NOT DISTURB, PROTECT AS NECESSARY.
- A4 ASBESTOS CONTAINING SURFACING MATERIAL (STUCCO) PRESENT ON INTERIOR WALL LOCATED AT EAST ADDITION THRESHOLD, PROTECT AS NECESSARY
- A5 WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY
- A6 ASBESTOS PIPE INSULATION AND/OR MUDDER FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY
- L1 SCRAPE AND STABILIZE LEAD BASED PAINT ON PLASTER CEILING AND CHASE USING MANUAL METHODS. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF AN ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 160 SQUARE FEET AND 1 ENCLOSURE.

VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| Revisions: | Date: | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 9170-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  SPEESDESIGNBUILD | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 3 - ROOM 128 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 3 | Issue Date 03/31/2022 | Checked JR | Drawn CD | Drawing Number HA032 |

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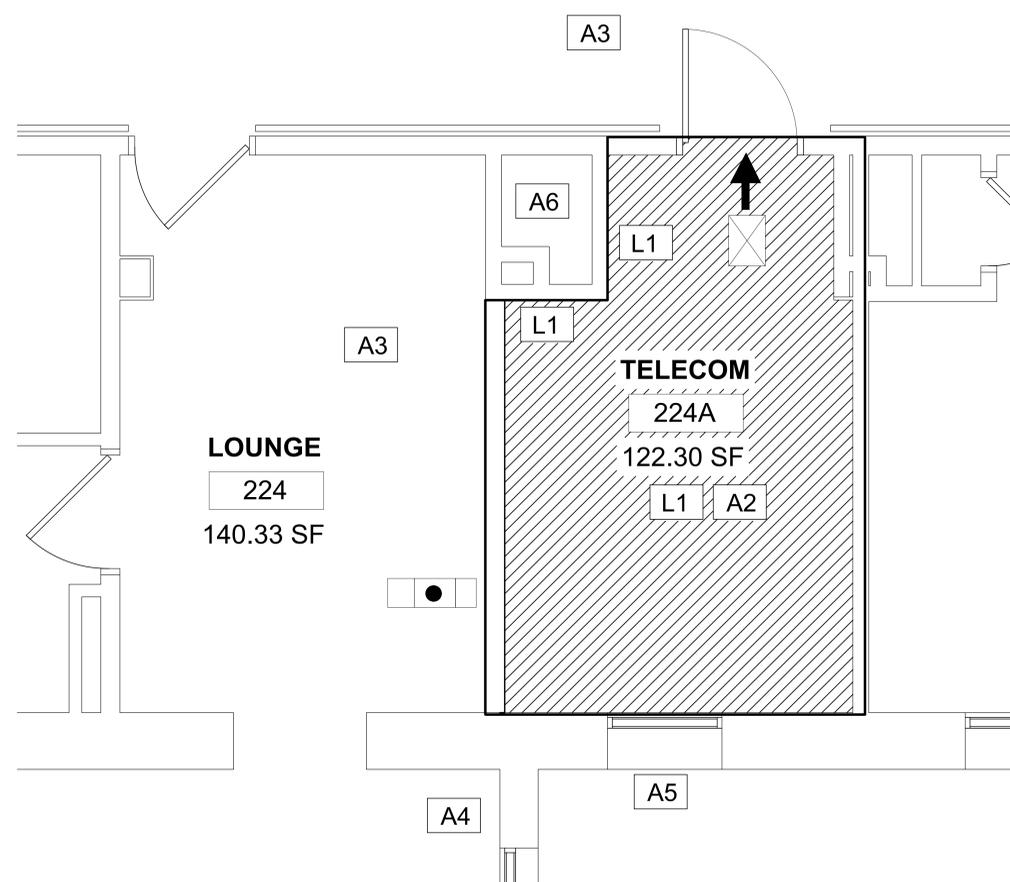
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ROOM 224 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

KEY NOTES

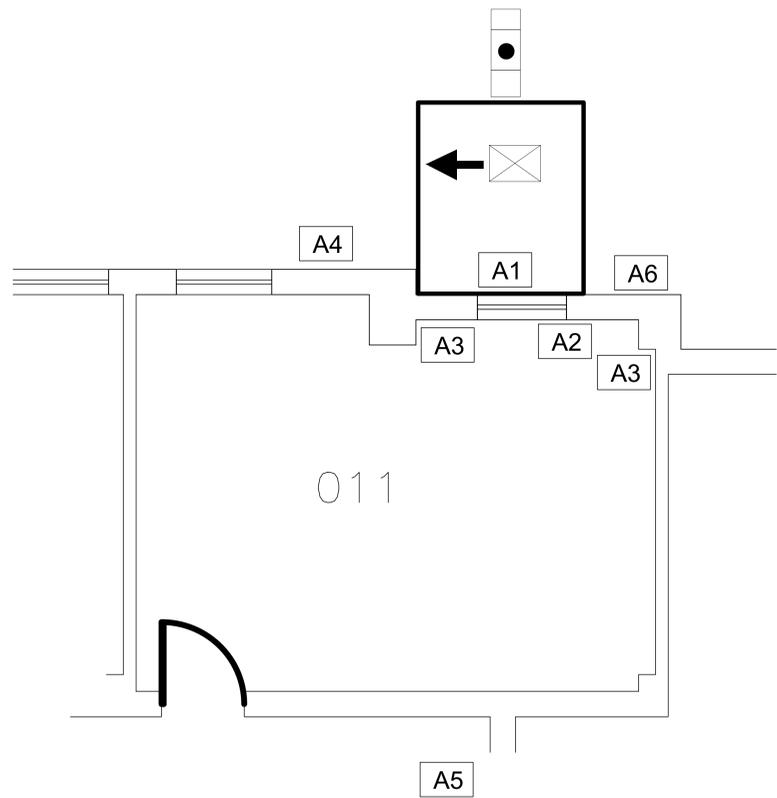
- A1** REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION, ELEVATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF AND 1 ENCLOSURE.
- A2** REMOVE NON-ASBESTOS LAYER OF SHEET FLOORING, FELT AND SUB-BOARD AND UNDERLYING 2 LAYERS OF ASBESTOS 9"X9" FLOOR TILE AND ASBESTOS MASTIC ON WOOD SUB-BOARDS USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 140 SF FLOORING EACH LAYER, 3 FLOOR LAYERS. POST ASBESTOS CLEARANCE, INSTALL 3/4 INCH GRADE B PLYWOOD COVER SYSTEM OVER REMAINING ASBESTOS MASTIC ON ORIGINAL WOOD FLOOR.
- A3** LAYER(S) OF ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT UNDER SHEET FLOORING. DO NOT DISTURB, PROTECT AS NECESSARY.
- A4** ASBESTOS CONTAINING SURFACING MATERIAL (STUCCO) PRESENT ON INTERIOR WALL LOCATED AT EAST ADDITION THRESHOLD, PROTECT AS NECESSARY
- A5** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY
- A6** ASBESTOS PIPE INSULATION AND/OR MUDDER FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY
- L1** SCRAPE AND STABILIZE LEAD BASED PAINT ON PLASTER CEILING AND CHASE USING MANUAL METHODS. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. APPLY TWO APPLICATIONS OF AN ENCAPSULANT WITHIN A NEGATIVE PRESSURE ENCLOSURE, 160 SQUARE FEET AND 1 ENCLOSURE.

VISUAL KEY

- NEGATIVE PRESSURE ENCLOSURE
- THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
- NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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|--|-------|---|--|-----------|--|---|---|---|--|
| CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 9170-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE. STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | STAMP | Office of Construction and Facilities Management U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 3 - ROOM 224 Approved: | Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED | Project Title EHRM INFRASTRUCTURE UPGRADES Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 | Project Number 657-21-701JB Building Number 3 Drawing Number HA033 |
| Revisions: | Date: | | | | | | | | |

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BUILDING 18 – ROOM 011
NOT TO SCALE

KEY NOTES

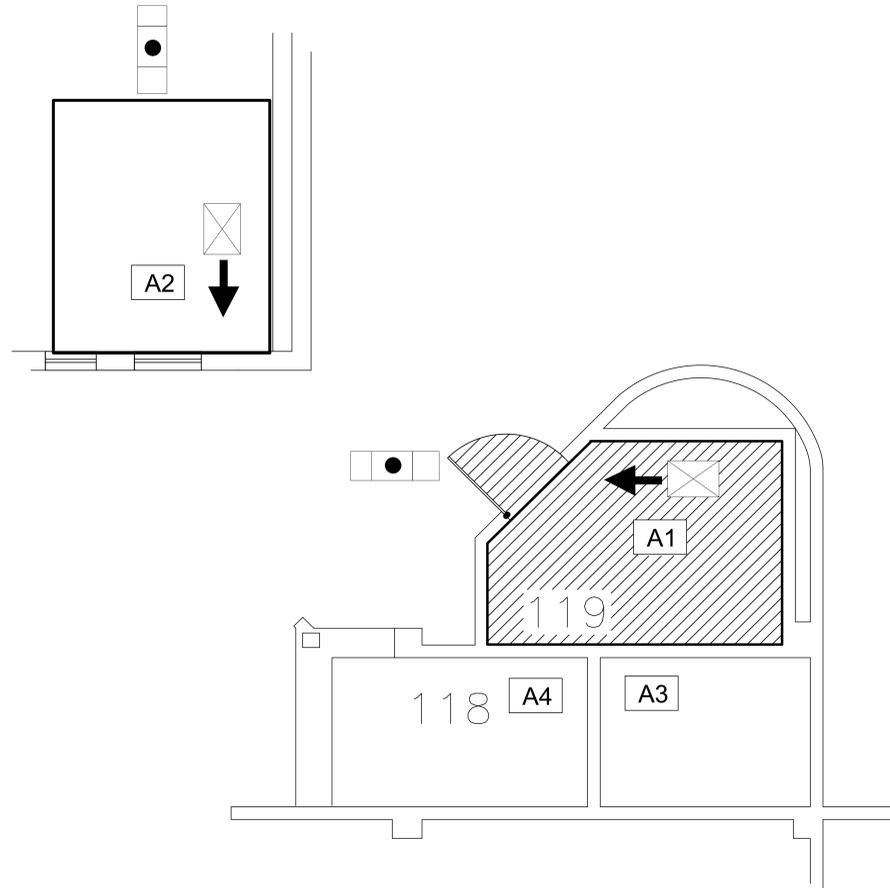
- A1** REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN AN OUTDOOR NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF AND 1 ENCLOSURE.
- A2** REMOVE REMNANT ASBESTOS CONTAINING ADHESIVE ROUNDS ON NON-ASBESTOS REMNANT PLASTER CEILING LOCATED ABOVE 2X4 CEILING GRID USING MANUAL MEANS AND GLOVEBAG TECHNIQUES, 2 ADHESIVE ROUNDS.
- A3** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED
- A4** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A5** NON-ASBESTOS FLOOR TILE PLACED OVER HISTORIC ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A6** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY
- A7** ASBESTOS GRAY DOOR FRAME CAULK. DO NOT DISTURB, PROTECT AS NECESSARY

VISUAL KEY

-  **NEGATIVE PRESSURE CONTAINMENT**
-  **THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION**
-  **NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION**

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number | | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE. SQ. STE. 100 ST LOUIS, MO 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | BUILDING 18 - BASEMENT - ROOM 101 ABATEMENT | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB Building Number 18 | | |
| | | | |  | | Approved: | FULLY SPRINKLERED | Location | Issue Date | Checked | Drawn |
| | | | | | | | | ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | 03/31/2022 | JR | CD |

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BUILDING 18 - ROOM 119
NOT TO SCALE

KEY NOTES

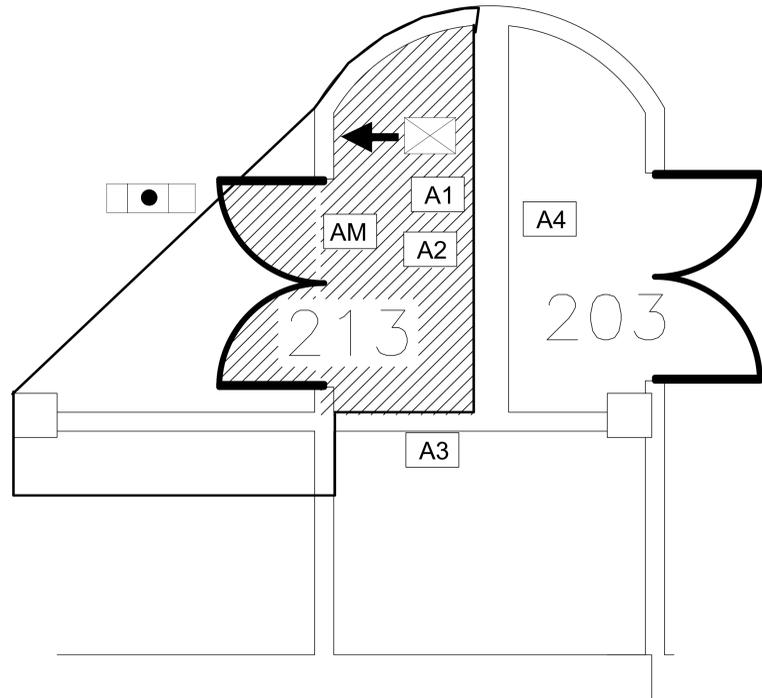
- A1** REMOVE ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS MASTIC TO BARE SUBSTRATE USING MANUAL MEANS AND CHEMICAL METHODS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 144 SF.
- A2** REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 2 SF AND 1 ENCLOSURE.
- A3** ASBESTOS PIPE INSULATION AND/OR MUDDER FITTINGS PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED.
- A4** ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A5** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A6** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7** ASBESTOS FIRE DOOR AND FRAME SYSTEMS. DO NOT DISTURB, PROTECT AS NECESSARY
- A8** ASBESTOS GRAY DOOR FRAME CAULK. DO NOT DISTURB, PROTECT AS NECESSARY
- A9** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY

VISUAL KEY

-  ABATE AREA OF ASBESTOS FLOOR TILE AND UNDERLYING MASTIC
-  NEGATIVE PRESSURE CONTAINMENT
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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|------------|-------|--|--|---|---|---|--|------------------------------|--------------------|-------|----------------|
| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number | | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE. SQ. STE. 100 ST LOUIS, MO 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES |  | VA U.S. Department of Veterans Affairs | BUILDING 18 - FLOOR 1 - ROOM 119 ABATEMENT | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB 18 | | |
| | | | | | Approved: | FULLY SPRINKLERED | Location | Issue Date | Checked | Drawn | Drawing Number |
| | | | | | | | ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | 03/31/2022 | JR | CD | HA181 |

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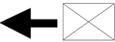


BUILDING 18 – ROOM 213
NOT TO SCALE

KEY NOTES

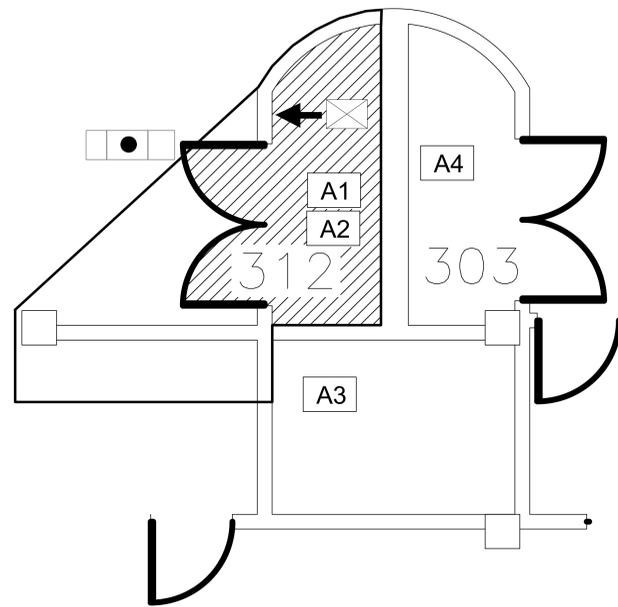
- A1** REMOVE ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS MASTIC TO BARE SUBSTRATE USING MANUAL MEANS AND CHEMICAL METHODS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 114 SF.
- A2** REMOVE WINDOW ASSEMBLIES AND ASSOCIATED ASBESTOS CONTAINING WINDOW CAULK USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 36 LF EACH UNIT, 2 UNITS
- A3** ASBESTOS PIPE INSULATION AND/OR MUDDER FITTINGS PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED.
- A4** ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A5** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A6** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7** ASBESTOS FIRE DOOR AND FRAME SYSTEMS. DO NOT DISTURB, PROTECT AS NECESSARY
- A8** ASBESTOS GRAY DOOR FRAME CAULK. DO NOT DISTURB, PROTECT AS NECESSARY
- A9** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY

VISUAL KEY

-  ABATE AREA OF ASBESTOS FLOOR TILE AND UNDERLYING MASTIC
-  NEGATIVE PRESSURE CONTAINMENT
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE. SQ. STE. 100 ST LOUIS, MO 63123 (314) 917-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title BUILDING 18 - FLOOR 2 - ROOM 213 ABATEMENT | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB Building Number 18 | | |
| Revisions: _____ Date: _____ | |  | | Approved: _____ | | Fully Sprinklered | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked JR | Drawn CD | Drawing Number HA182 |

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BUILDING 18 – ROOM 312
NOT TO SCALE

KEY NOTES

- A1** REMOVE ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS MASTIC TO BARE SUBSTRATE USING MANUAL MEANS AND CHEMICAL METHODS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 63 SF.
- A2** REMOVE WINDOW ASSEMBLIES AND ASSOCIATED ASBESTOS CONTAINING WINDOW CAULK USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 36 LF EACH UNIT, 2 UNITS
- A3** ASBESTOS PIPE INSULATION AND/OR MUDDERED FITTINGS PRESENT AT STEAM CONVECTORS AND CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY
- A4** ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A5** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A6** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A7** ASBESTOS FIRE DOOR AND FRAME SYSTEMS. DO NOT DISTURB, PROTECT AS NECESSARY
- A8** ASBESTOS GRAY DOOR FRAME CAULK. DO NOT DISTURB, PROTECT AS NECESSARY
- A9** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY
- A10** PRESUMED ASBESTOS CONTAINING ROOF SYSTEM. DO NOT DISTURB, PROTECT AS NECESSARY

VISUAL KEY

- ABATE AREA OF ASBESTOS FLOOR TILE AND UNDERLYING MASTIC
- NEGATIVE PRESSURE CONTAINMENT
- THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
- NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number |
| | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE. SQ. STE. 100 ST LOUIS, MO 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | VA U.S. Department of Veterans Affairs | BUILDING 18 - FLOOR 3 - ROOM 312 ABATEMENT | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| Revisions: | Date: | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 18 |
| | | | | | | | Issue Date 03/31/2022 | Drawing Number HA183 |
| | | | | | | | Checked JR | Drawn CD |

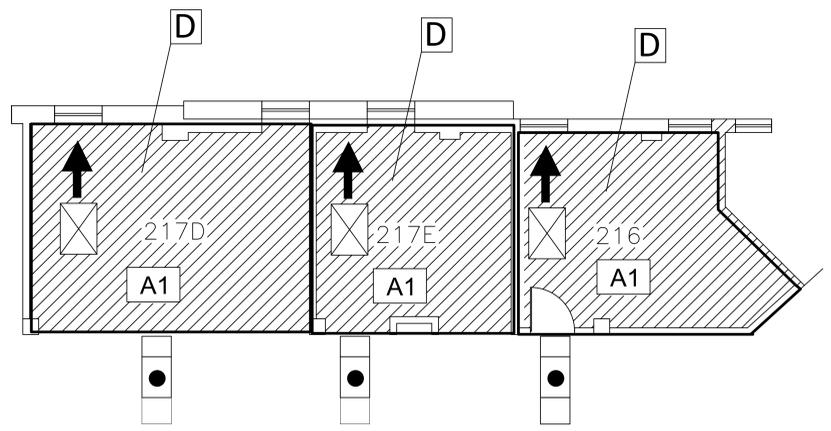
TSI ABATEMENT KEY NOTES

- D** DAMAGED TSI PRESENT IN ROOM. TSI ABATEMENT IS REQUIRED PRIOR TO ANY WORK OCCURRING ABOVE THE CEILING GRID
- SD** SIGNIFICANTLY DAMAGED TSI PRESENT IN ROOM. TSI ABATEMENT IS REQUIRED PRIOR TO ANY WORK OCCURRING ABOVE THE CEILING GRID

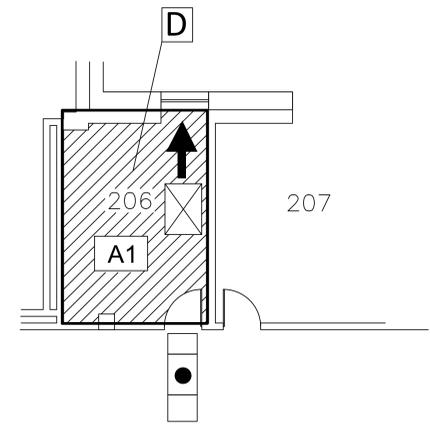
KEY NOTES

- A1** REMOVE CONTAMINATED ACT CEILING GIRD AND ASBESTOS PIPE INSULATION AND MUDDED FITTINGS USING GROSS REMOVAL PROCEDURES AND GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 57 LF PIPE INSULATION AND 804 SF ACT CEILING SYSTEM AND 4 ENCLOSURES.
- A2** REMOVE CONTAMINATED ACT CEILING GIRD AND ASBESTOS PIPE INSULATION AND MUDDED FITTINGS USING GROSS REMOVAL PROCEDURES AND GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 102 LF PIPE INSULATION AND 725 SF ACT CEILING SYSTEM AND 3 ENCLOSURES.
- A3** REMOVE CONTAMINATED ACT CEILING GIRD AND ASBESTOS PIPE INSULATION AND MUDDED FITTINGS USING GROSS REMOVAL PROCEDURES AND GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 194 LF PIPE INSULATION AND 1,000 SF ACT CEILING SYSTEM AND 2 ENCLOSURES.

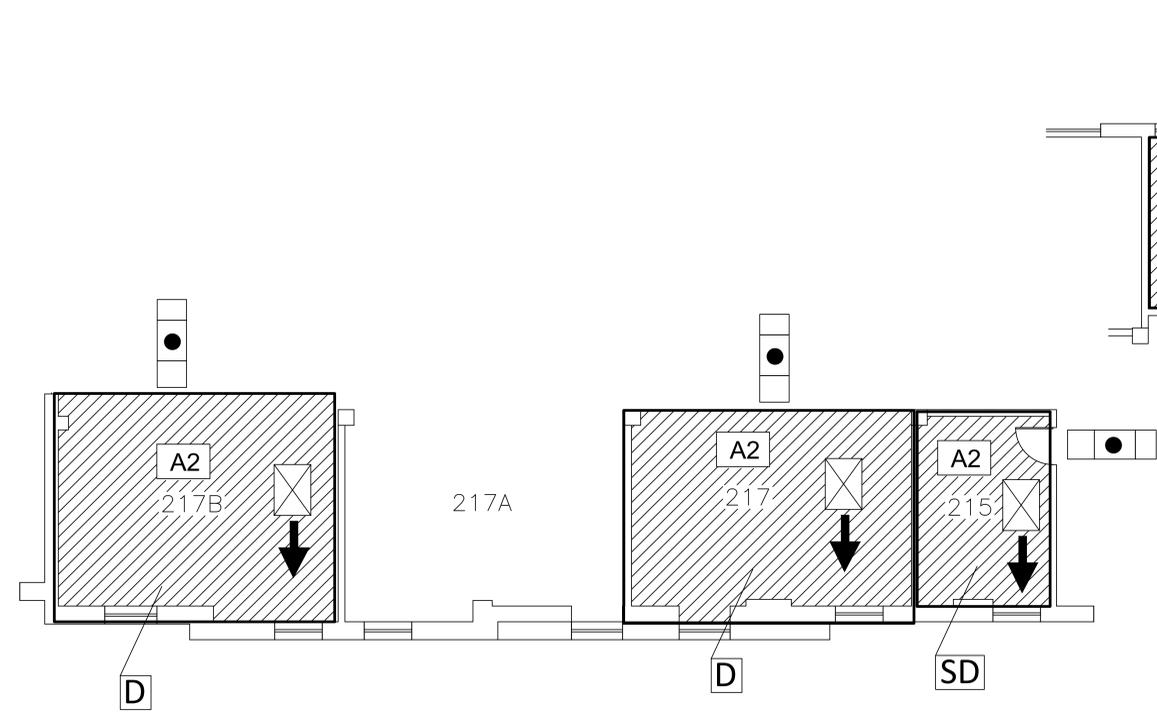
-  NEGATIVE PRESSURE CONTAINMENT
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION



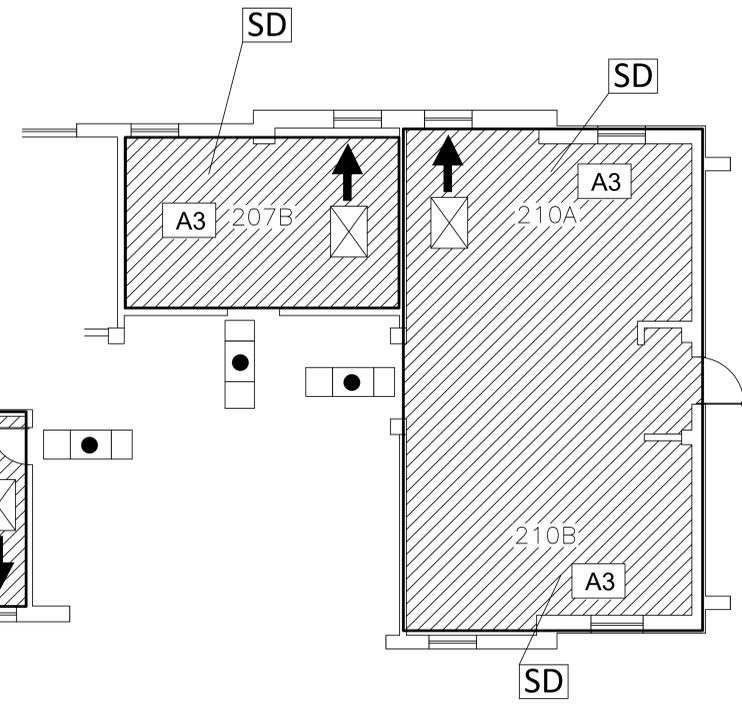
ROOMS 216, 217D, & 217E – TSI ABATEMENT
NOT TO SCALE



ROOM 206 – TSI ABATEMENT
NOT TO SCALE



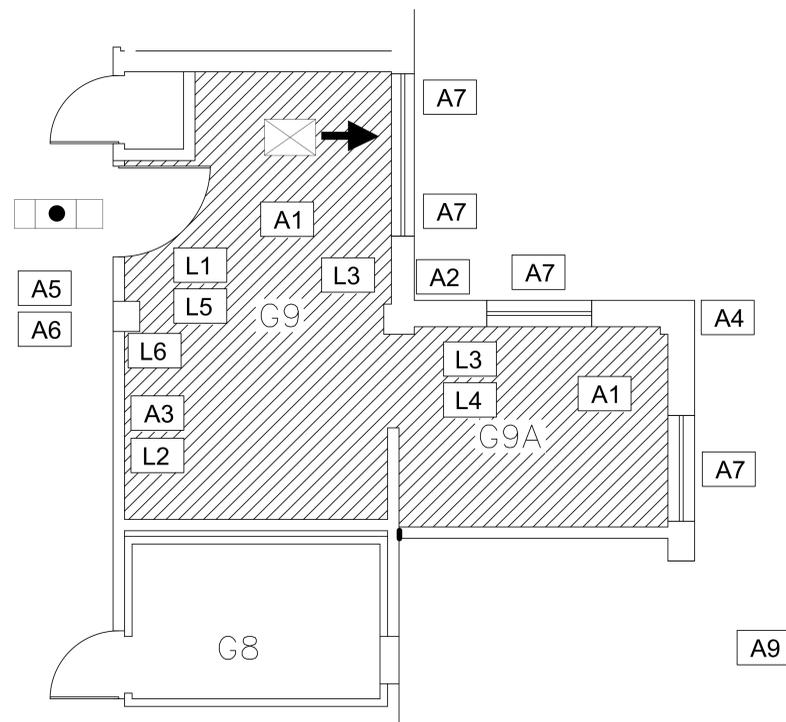
ROOMS 215, 217, & 217B – TSI ABATEMENT
NOT TO SCALE



ROOMS 215, 217, & 217B – TSI ABATEMENT
NOT TO SCALE

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| Revisions: Date: | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE. SQ. STE. 100 ST. LOUIS, MO 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title BUILDING 18 - TSI ABATEMENT - 1 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB Building Number 18 |
| | Approved: | Fully SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked JR | Drawn CD | Drawing Number HA184 | |

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ROOM G09 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

KEY NOTES

- A1** REMOVE NON-ASBESTOS 2X2 CEILING GRID PRESENT IN ROOM G09 AND ASBESTOS CONTAINING PIPE INSULATION AND MUDDIED FITTINGS THROUGHOUT USING GLOVE BAG METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 170 LF OF 3"-20" CAL-MAG PIPE INSULATION, 310 SF SUSPENDED CEILING SYSTEM AND 1 ENCLOSURE.
- A2** REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF AND 1 ENCLOSURE.
- A3** REMOVE INTERIOR WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULK USING MANUAL MEANS WITHIN A GROSS REMOVAL NEGATIVE PRESSURE ENCLOSURE, 1 WINDOW ASSEMBLY AND 1 ENCLOSURE. PROVIDE CLEAN REMAINING SUBSTRATE.
- A4** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A5** ASBESTOS FLOOR TILE AND/OR UNDERLYING ASBESTOS BLACK MASTIC PRESENT UNDER CARPET. DO NOT DISTURB, PROTECT AS NECESSARY.
- A6** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED
- A7** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY
- A8** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A9** AT INTERSECTION OF DUCTBANK AND FOUNDATION WALL FIBER OPTIC PATHWAY PENETRATION BUILDING 23:ØREMOVE ASBESTOS BLACK TAR WATERPROOFING USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING OUTDOOR REQUIREMENTS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 2 SF. COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.
- L1** REMOVE LEAD BASED PAINT DOOR PANEL AND FRAME WITHIN PLASTER WALL USING MANUAL MEANS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 1 DOOR AND FRAME ASSEMBLY.
- L2** REMOVE LEAD BASED PAINT WINDOW FRAME USING INTACT METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 1 UNIT
- L3** SCRAPE AND STABILIZE DETERIORATED LEAD BASED PAINT ON CONCRETE CEILING AND PLUMBING PIPES USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. COORDINATE PRECISE LOCATIONS WITH GC. APPLY TWO LAYERS OF ENCAPSULANT AND 70 SF SQUARE FEET.
- L4** SCRAPE AND STABILIZE DETERIORATED LEAD BASED PAINT ON PLASTER WALLS USING MANUAL METHODS AND APPLYING TWO LAYERS OF AN ENCAPSULANT, 300 SQUARE FEET
- L5** REMOVE NON-LEAD BASED PAINTED FAN COIL UNIT FROM LEAD BASED PAINTED CONCRETE CEILING USING MANUAL METHODS. COORDINATE WITH GENERAL CONTRACTOR, 1 UNIT
- L6** REMOVE LEAD BASED PAINT FROM CONCRETE CEILING DECK TO FACILITATE PIPE PENETRATION TO FIRST FLOOR USING MANUAL MEANS WITH A CHEMICAL STRIPPER WITHIN EXISTING NEGATIVE PRESSURE ENCLOSURE, 1SF. COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.

VISUAL KEY



NEGATIVE PRESSURE ENCLOSURE



THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION



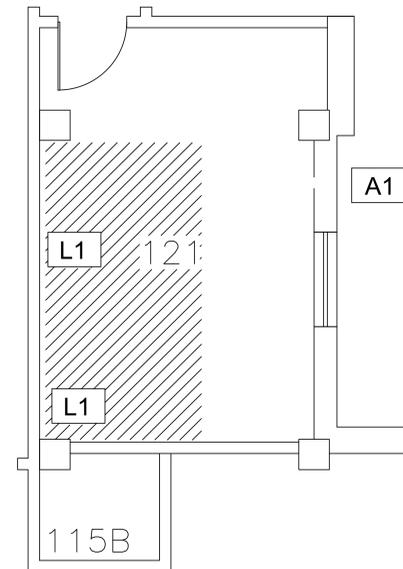
NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE. STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 23 - ROOM G09 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB Building Number 23 |
| Revisions: Date: | | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Drawing Number HA230 |
| | | | | | | Issue Date 03/31/2022 | Checked JR | Drawn CD |

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KEY NOTES

- A1** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A2** ASBESTOS FLOOR TILE AND/OR UNDERLYING ASBESTOS BLACK MASTIC PRESENT UNDER CARPET. DO NOT DISTURB, PROTECT AS NECESSARY.
- A3** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED
- A4** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY
- A5** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A6** PRESUMED ASBESTOS CONTAINING ROOF SYSTEM. DO NOT DISTURB, PROTECT AS NECESSARY
- L1** REMOVE LEAD BASED PAINT FROM CONCRETE CEILING DECK TO FACILITATE PIPE PENETRATIONS OR ANCHOR POINTS USING MANUAL MEANS WITH A CHEMICAL STRIPPER USING GLOVE BAG METHODS WITHIN A REGULATED AREA, 6SF. REMOVE LBP ENTIRELY IN LOCATIONS REQUIRING ANCHORS FOR NEW FAN COIL UNITS WITHIN SAME ROOM. COORDINATE EXACT LOCATION OF PENETRATIONS AND EXTENTS WITH THE GENERAL CONTRACTOR.



ROOM 121 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

VISUAL KEY

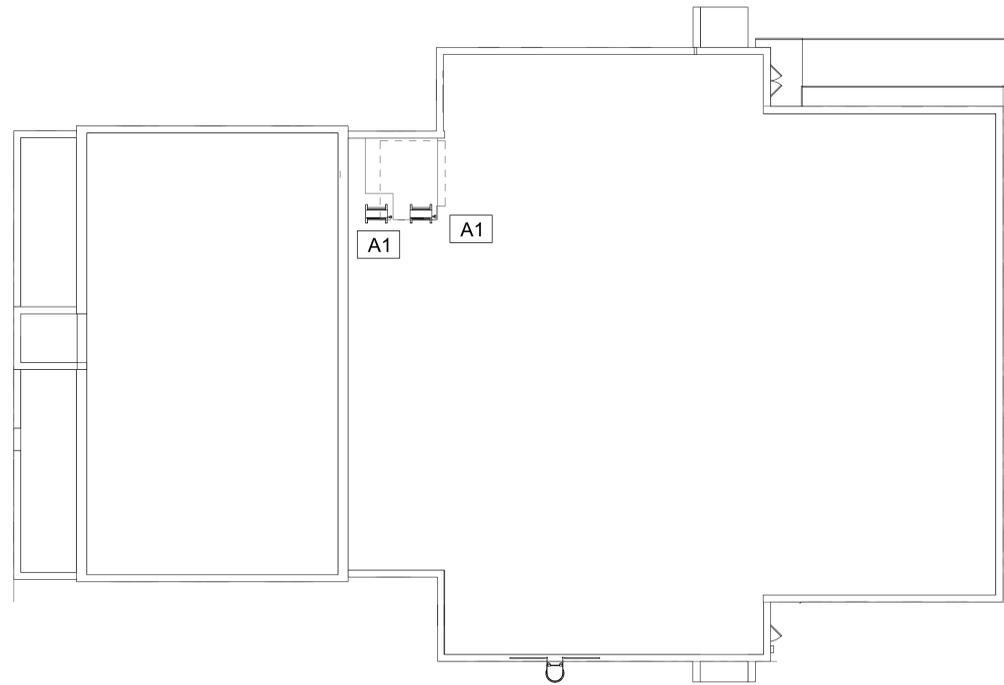
LEAD-BASED PAINT REMOVAL AREA

| | | | | | | | | | |
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| | | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 23 - ROOM 121 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | U.S. Department of Veterans Affairs | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 23 |
| Revisions: | Date: | | SPEESDESIGNBUILD | | | | | Issue Date 03/31/2022 | Checked JR |
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KEY NOTES

A1 REMOVE SPOT LOCATIONS OF ASBESTOS ROOF AND UNDERLYING MASTICS OR TARS USING MANUAL MEANS AND CHEMICAL AND OUTDOOR METHODS IN A REGULATED AREA. COORDINATE SPOT AREAS OF REMOVAL AND EXACT SIZES OF ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR, 2 ROOF AREAS FOR PIPE, ELECTRIC AND CONDENSER SUPPORTS, 14 SF TOTAL AND 1 MOBILIZATIONS. USE CLEAR BRIDGING ENCAPSULANT ON EXPOSED SURFACES.



ROOF — ENVIRONMENTAL HAZARDS
NOT TO SCALE

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE. STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | VA U.S. Department of Veterans Affairs | ENVIRONMENTAL HAZARDS - BUILDING 23 - ROOF | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB | |
| | | | | | | Approved: | FULLY SPRINKLERED | Location | Drawing Number | |
| | | | | | | | | ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | HA232 | |
| | | | | | | | | Issue Date | Checked | Drawn |
| | | | | | | | | 03/31/2022 | JR | CD |

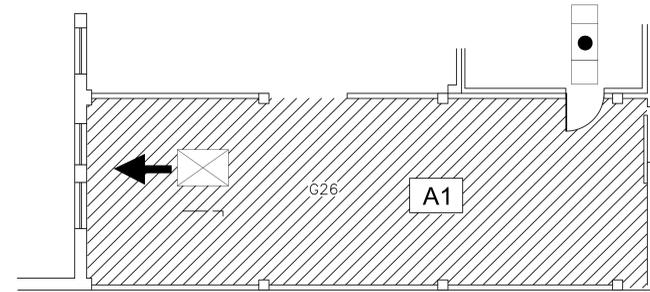
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KEY NOTES

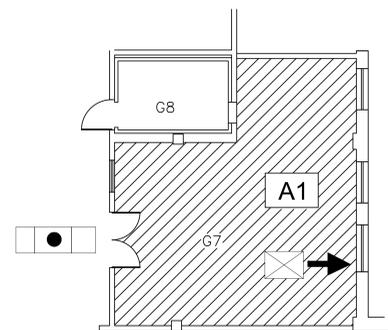
A1 REMOVE CEILING TILES WITH PRESUMED ASBESTOS CONTAMINATION AND REPAIR DAMAGED ASBESTOS PIPE INSULATION, FITTINGS, AND/OR OPEN JOINTS WITHIN A NEGATIVE PRESSURE ENCLOSURE. REMOVE CONTAMINATED CEILING TILES USING GROSS REMOVAL PROCEDURES, PRE-CLEAN, AND APPLY TWO LAYERS OF COVERING LAG CLOTH OVER DAMAGE/DEFECTS, 40 DEFECTS TOTAL PRESENT IN 3 ENCLOSURES AND 1,700 SF CEILING TILES.

NEGATIVE PRESSURE ENCLOSURE

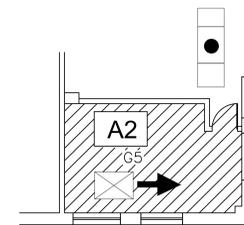
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION



ROOM G26 – TSI ABATEMENT
NOT TO SCALE



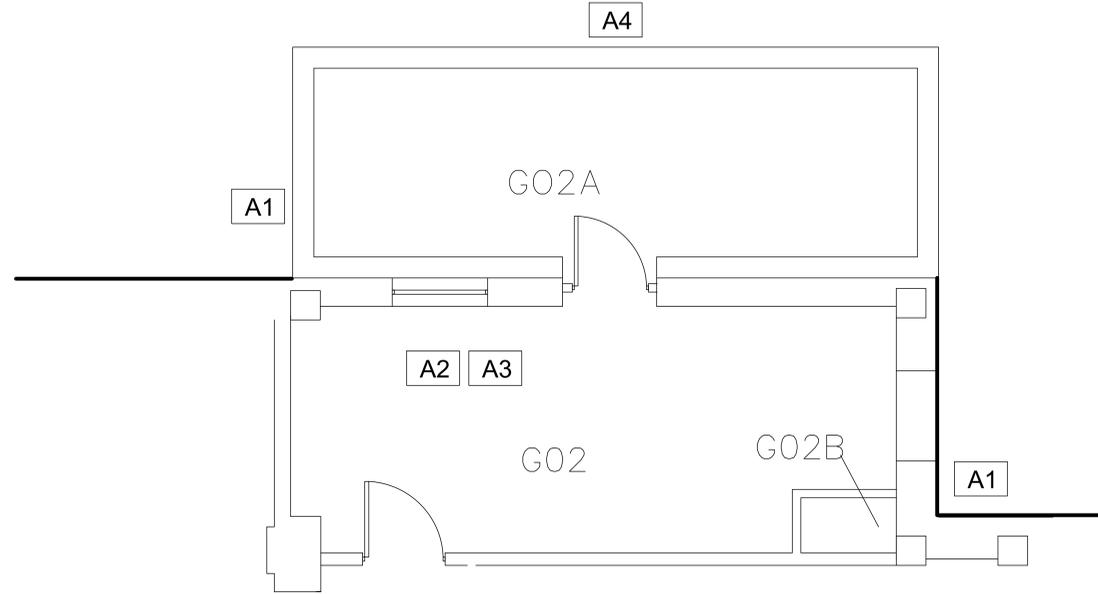
ROOM G7 – TSI ABATEMENT
NOT TO SCALE



ROOM G5 – TSI ABATEMENT
NOT TO SCALE

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number | | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | BUILDING 23 - TSI ABATEMENT | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB | | |
| | | | | |   SPEESDESIGNBUILD | Approved: | FULLY SPRINKLERED | Location | Building Number | | |
| | | | | | |  U.S. Department of Veterans Affairs | | FULLY SPRINKLERED | ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | 23 | |
| | | | | | | | | Issue Date | Checked | Drawn | Drawing Number |
| | | | | | | | | 03/31/2022 | Checker | Author | HA233 |

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KEY NOTES

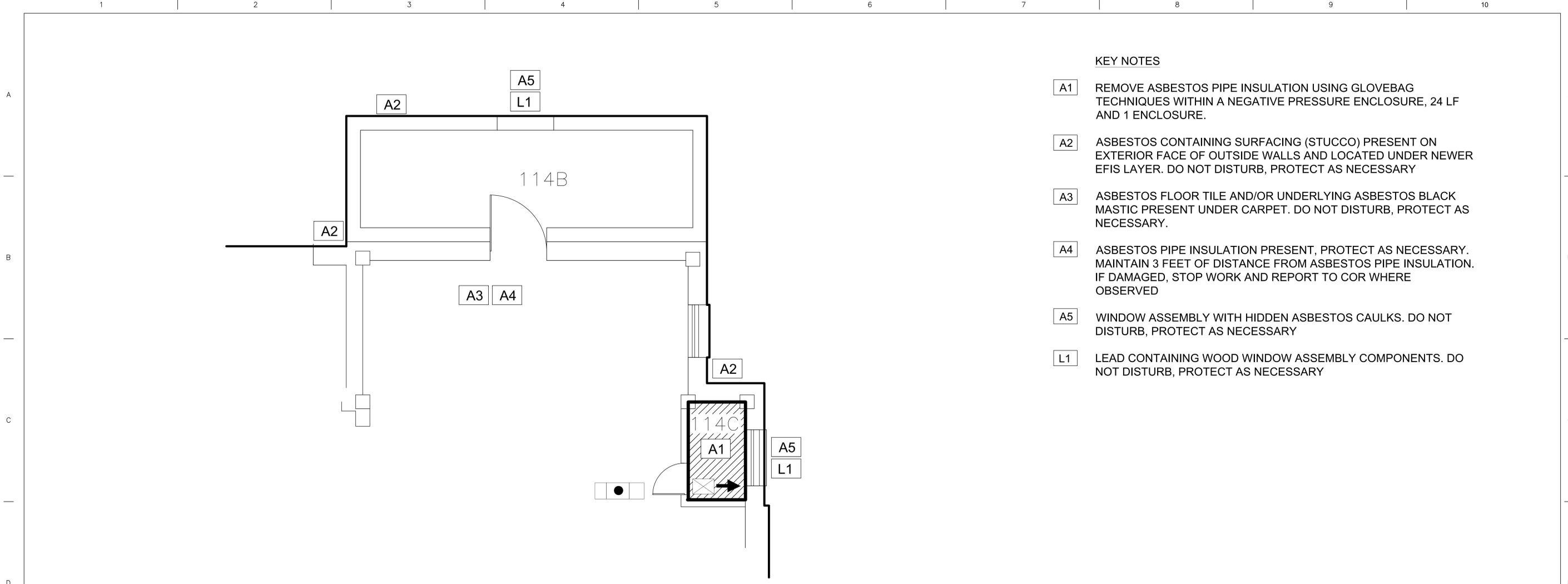
- A1** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A2** ASBESTOS FLOOR TILE AND/OR UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A3** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED
- A4** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY

VISUAL KEY

█ EXTERIOR ASBESTOS STUCCO

ROOM G02A – ENVIRONMENTAL HAZARDS
NOT TO SCALE

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | U.S. Department of Veterans Affairs | ENVIRONMENTAL HAZARDS - BUILDING 24 - ROOM G02A | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | | | Approved: | | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 24 |
| | | | | | | | Issue Date 03/31/2022 | Checked JR | Drawn CD |
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ROOM 114B – ENVIRONMENTAL HAZARDS
 NOT TO SCALE

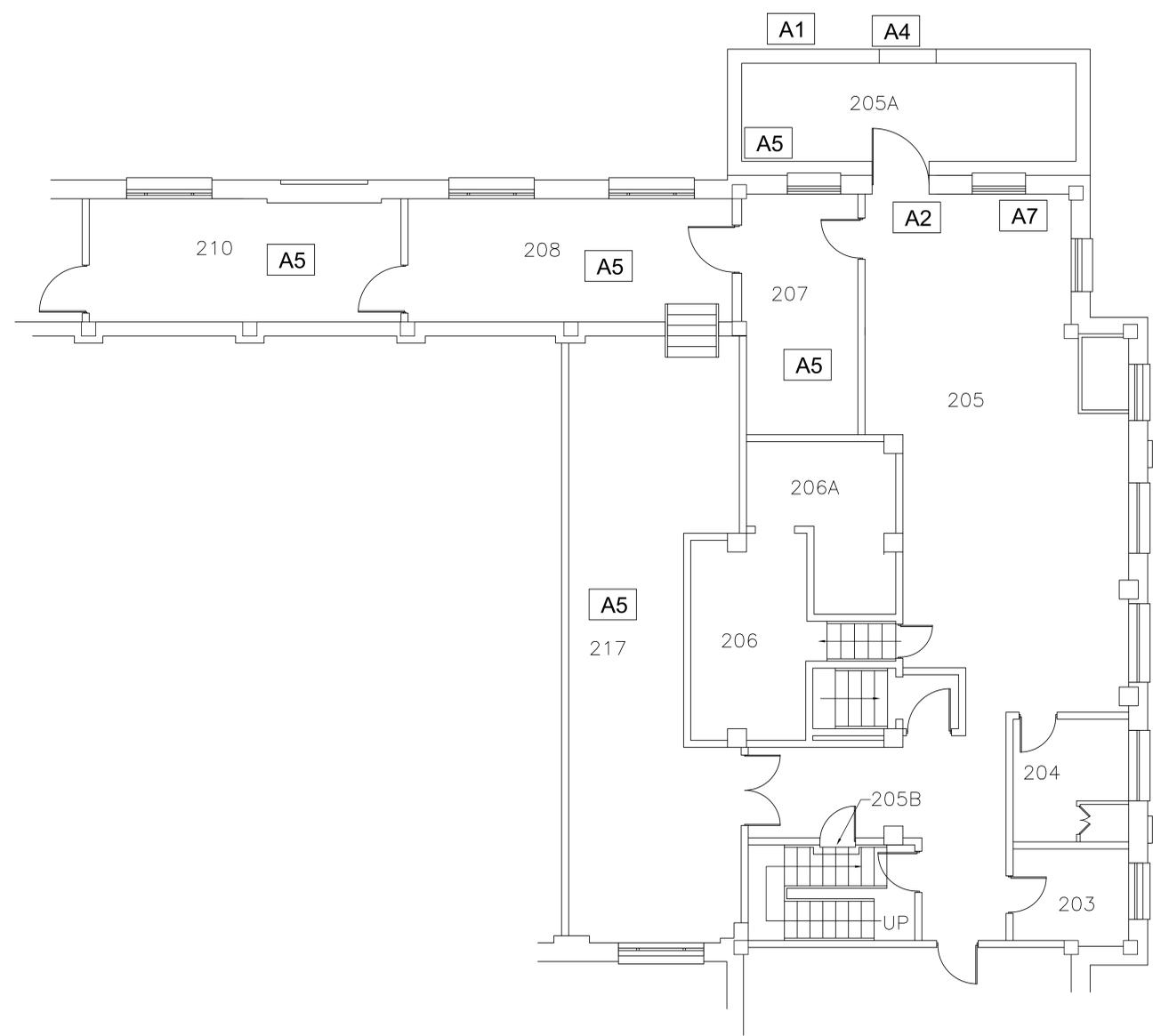
KEY NOTES

- A1** REMOVE ASBESTOS PIPE INSULATION USING GLOVEBAG TECHNIQUES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 24 LF AND 1 ENCLOSURE.
- A2** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A3** ASBESTOS FLOOR TILE AND/OR UNDERLYING ASBESTOS BLACK MASTIC PRESENT UNDER CARPET. DO NOT DISTURB, PROTECT AS NECESSARY.
- A4** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED
- A5** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY
- L1** LEAD CONTAINING WOOD WINDOW ASSEMBLY COMPONENTS. DO NOT DISTURB, PROTECT AS NECESSARY

VISUAL KEY

-  EXTERIOR ASBESTOS STUCCO
-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION

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| CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | STAMP  | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 24 - ROOM 114B | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB | | |
| Revisions: | | Date: | | Approved: | | FULLY SPRINKLERED | Issue Date 03/31/2022 | Checked JR | Drawn CD | Building Number 24 | Drawing Number HA241 |



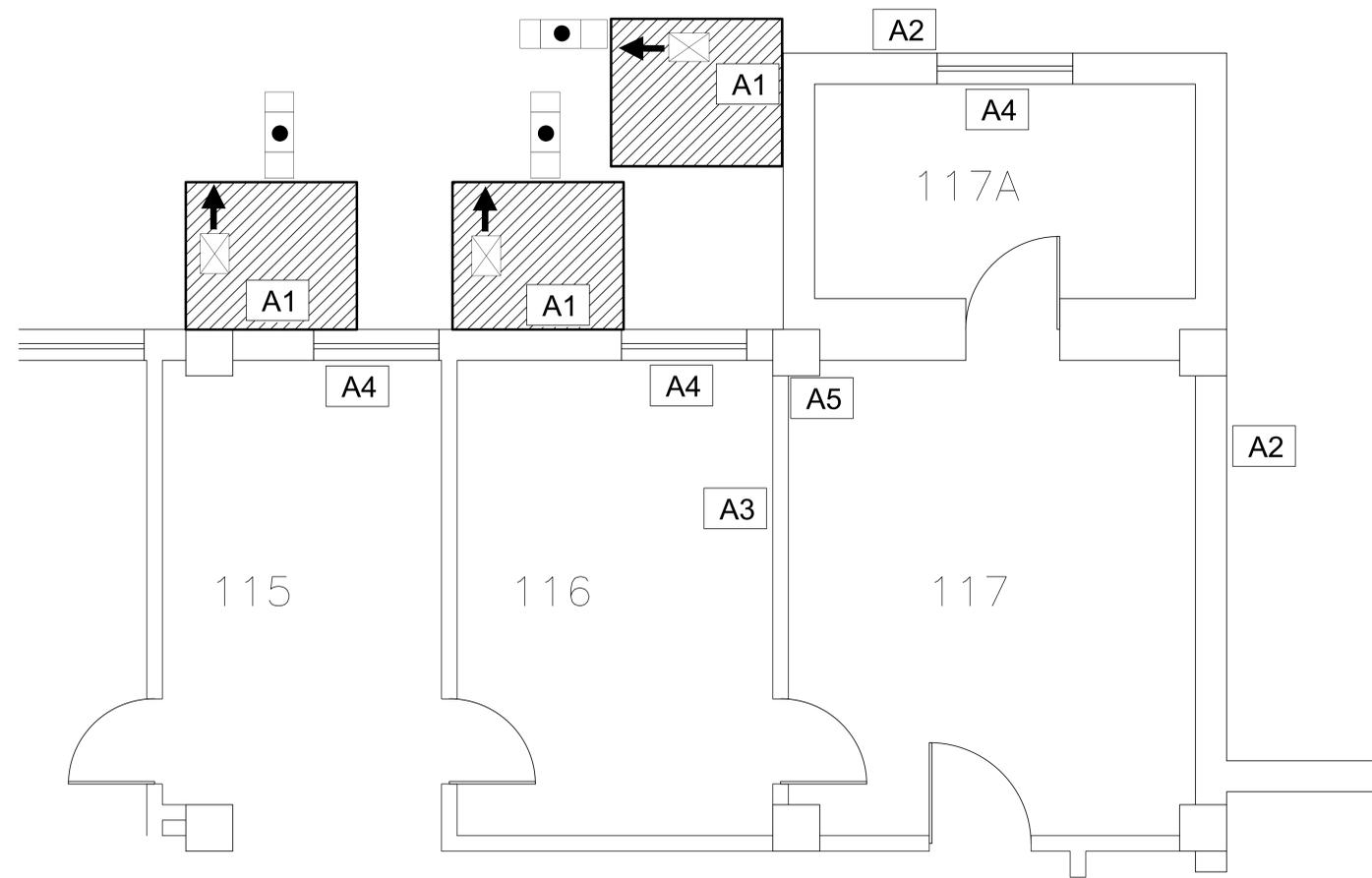
KEY NOTES

- A1** ASBESTOS CONTAINING SURFACING (STUCCO) PRESENT ON EXTERIOR FACE OF OUTSIDE WALLS AND LOCATED UNDER NEWER EFIS LAYER. DO NOT DISTURB, PROTECT AS NECESSARY
- A2** ASBESTOS FLOOR TILE AND/OR UNDERLYING ASBESTOS BLACK MASTIC PRESENT UNDER CARPET. DO NOT DISTURB, PROTECT AS NECESSARY.
- A3** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED
- A4** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY
- A5** ASBESTOS CONTAINING TRANSITE WALL PANELS PRESENT, USE EXISTING CABLE TRAY AND SERVICE PORT (JACK) PATHWAYS. DO NOT DISTURB, PROTECT AS NECESSARY. REFER TO CAMPUS SURVEY DRAWINGS FOR KNOWN LOCATIONS OF TRANSITE PANELS.
- A6** AT INTERSECTION OF DUCTBANK AND FOUNDATION WALL FIBER OPTIC PATHWAY PENETRATION BUILDING 24: REMOVE ASBESTOS BLACK TAR WATERPROOFING USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING OUTDOOR REQUIREMENTS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 2 SF. COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.
- A7** PRESUMED ASBESTOS CONTAINING ROOF SYSTEM. DO NOT DISTURB, PROTECT AS NECESSARY

ROOM 205A – ENVIRONMENTAL HAZARDS
 NOT TO SCALE

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| | | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | STAMP | Office of Construction and Facilities Management U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 24 - ROOM 205A Approved: | Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED | Project Title EHRM INFRASTRUCTURE UPGRADES Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 | Project Number 657-21-701JB Building Number 24 Drawing Number HA242 |
| Revisions: | Date: | | | | | | Checked JR | Drawn CD | |

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KEY NOTES

- A1** REMOVE NON-ASBESTOS EFIS SIDING WITH CLEAN CUT AND THEN UNDERLYING ASBESTOS STUCCO TO ALLOW FOR MINI-SPLIT TUBING AND POWER USING MANUAL MEANS AND FOLLOWING GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE. HIGH PRESSURE WATER BLASTING IS PROHIBITED. EXACT LOCATION AND EXTENTS TO BE COORDINATED WITH GENERAL CONTRACTOR, 1 SF EACH AT 3 LOCATIONS AND 3 ENCLOSURES.
- A2** NON-ASBESTOS EFIS SIDING AND UNDERLYING ASBESTOS STUCCO, PROTECT AS NECESSARY
- A3** ASBESTOS CONTAINING WHITE SEALANT ON FIBERGLASS PIPE INSULATION AND JOINTS, IF DAMAGED, STOP WORK AND REPORT LOCATION TO COR, PROTECT AS NECESSARY.
- A4** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR ASSOCIATED BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A5** ASBESTOS PIPE INSULATION AND/OR MUDDED FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY.

ROOM 117A – ENVIRONMENTAL HAZARDS
NOT TO SCALE

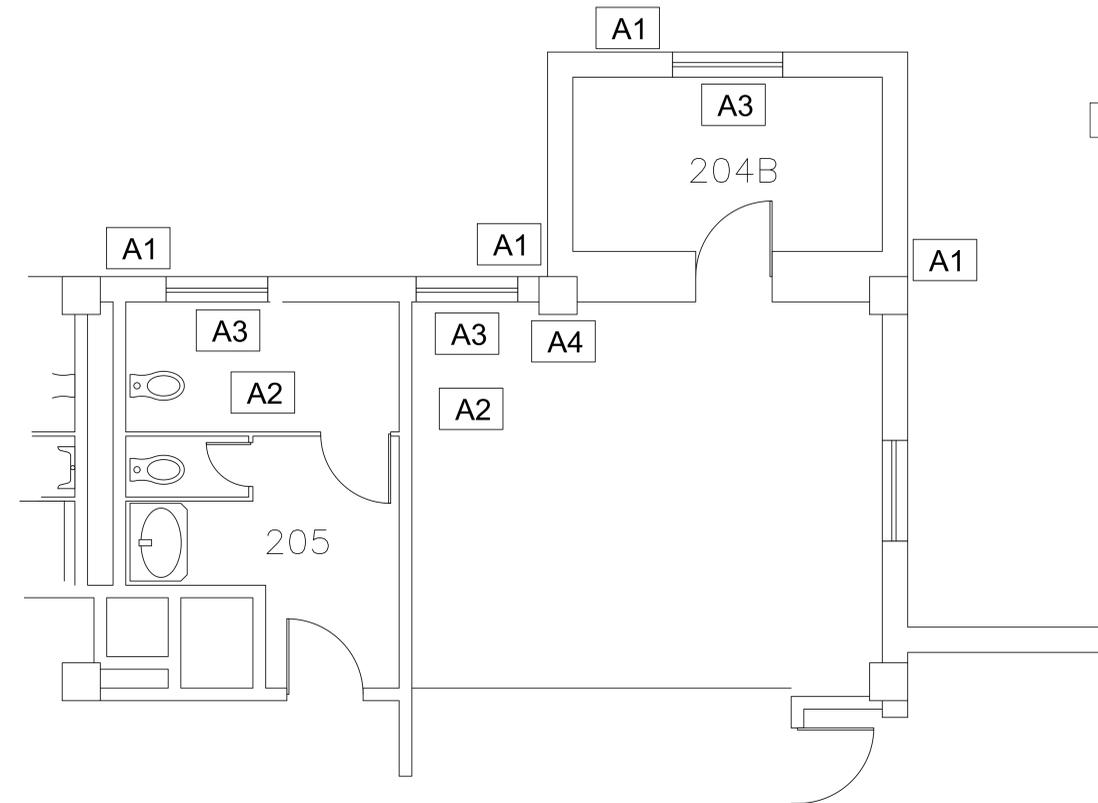
VISUAL KEY

-  **NEGATIVE PRESSURE ENCLOSURE**
-  **THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION**
-  **NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION**

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number | | | | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 719-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | ENVIRONMENTAL HAZARDS - BUILDING 25 - ROOM 117A | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB | | | | |
| VA U.S. Department of Veterans Affairs | | | | | | Approved: | FULLY SPRINKLERED | Location | Issue Date | Checked | Drawn | Building Number | Drawing Number |
| | | | | | | | | ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | 03/31/2022 | JR | CD | 25 | HA250 |

KEY NOTES

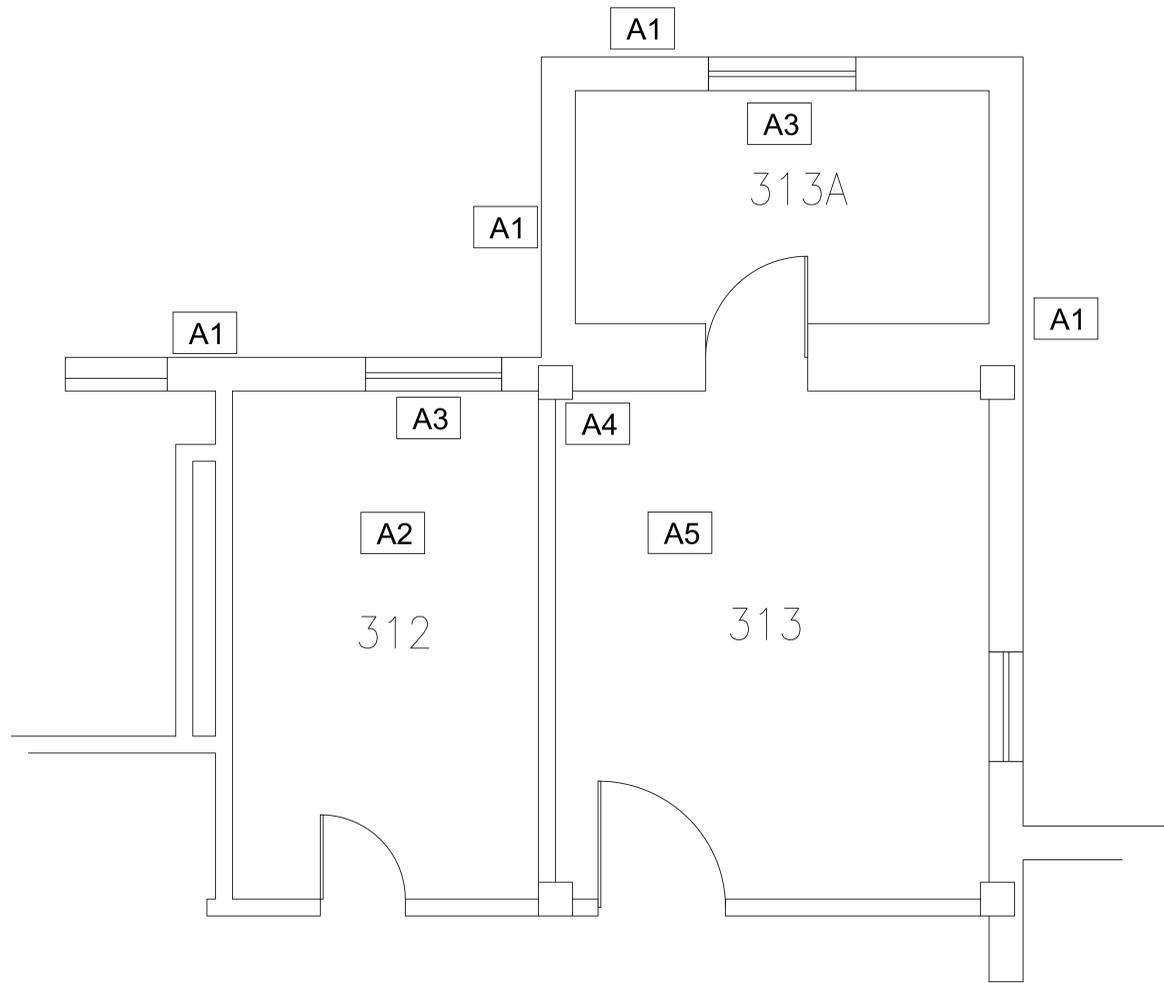
- A1** NON-ASBESTOS EFIS SIDING AND UNDERLYING ASBESTOS STUCCO, PROTECT AS NECESSARY.
- A2** ASBESTOS CONTAINING WHITE SEALANT ON FIBERGLASS PIPE INSULATION AND JOINTS, IF DAMAGED, STOP WORK AND REPORT LOCATION TO COR, PROTECT AS NECESSARY.
- A3** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR ASSOCIATED BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A4** ASBESTOS PIPE INSULATION AND/OR MUDDERED FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY.



ROOM 204B – ENVIRONMENTAL HAZARDS
NOT TO SCALE

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 719-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | ENVIRONMENTAL HAZARDS - BUILDING 25 - ROOM 204B | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | | | U.S. Department of Veterans Affairs | Approved: | FULLY SPRINKLERED | Location | Building Number |
| | | | | | | | | ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | 25 |
| | | | | | | | Issue Date | Checked | Drawn |
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KEY NOTES

- A1** NON-ASBESTOS EFIS SIDING AND UNDERLYING ASBESTOS STUCCO, PROTECT AS NECESSARY
- A2** ASBESTOS CONTAINING WHITE SEALANT ON FIBERGLASS PIPE INSULATION AND JOINTS, IF DAMAGED, STOP WORK AND REPORT LOCATION TO COR, PROTECT AS NECESSARY.
- A3** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR ASSOCIATED BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A4** ASBESTOS PIPE INSULATION AND/OR MUDDER FITTINGS PRESENT AT CHASE LOCATIONS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A5** INTERMITTENT ASBESTOS BLACK MASTIC/TAR RESIDUE PRESENT ON CEILING. AVOID LOCATIONS DURING ATTACHMENTS, DO NOT DISTURB AND PROTECT AS NECESSARY.

ROOM 313A – ENVIRONMENTAL HAZARDS
NOT TO SCALE

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| CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 719-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  | | STAMP  | Office of Construction and Facilities Management  U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 25 - ROOM 313A Approved: | Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED | Project Title EHRM INFRASTRUCTURE UPGRADES Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 | Project Number 657-21-701JB Building Number 25 Drawing Number HA252 |
| Revisions: | Date: | | | | | | Checked JR | Drawn CD | |

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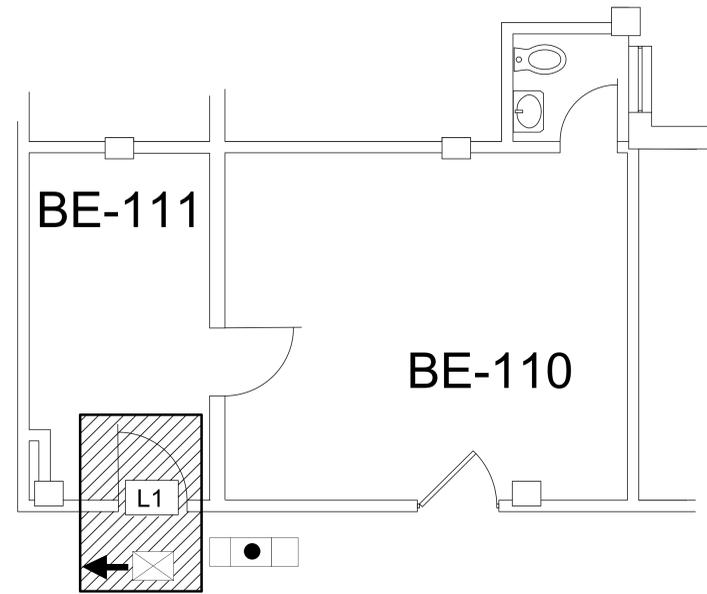
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KEY NOTES

L1 REMOVE DOOR AND FRAME ASSEMBLY WITHIN LEAD BASED GLAZE BLOCKS USING INTACT METHODS WITHIN A NEGATIVE PRESSURE CONTAINMENT, 1 DOOR ASSEMBLY AND 1 ENCLOSURE.



ROOM BE111 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

VISUAL KEY



NEGATIVE PRESSURE ENCLOSURE



THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION



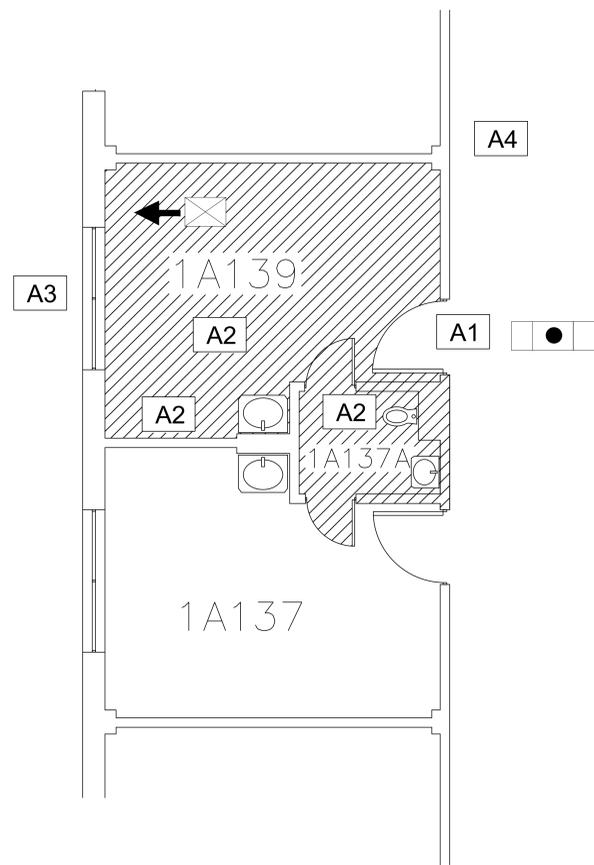
NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

| | | | | | | | | | | |
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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 719-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | ENVIRONMENTAL HAZARDS - BUILDING 51 - ROOM BE111 | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB | |
| | | | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 51 | |
| | | | | | | | | Issue Date 03/31/2022 | Checked JR | Drawn CD |
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KEY NOTES

- A1** REMOVE DOOR WITH ASBESTOS GLAZING PANEL WINDOW USING MANUAL MEANS WITHIN THE NEGATIVE PRESSURE ENCLOSURE.
- A2** REMOVE NON-ASBESTOS 12" X 24" FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 160 SF FLOOR TILE AND ASBESTOS MASTIC AND 1 ENCLOSURE.
- A3** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A4** NON-ASBESTOS 12" X 24" FLOOR TILE WITH UNDERLYING ASBESTOS BLACK MASTIC, PROTECT AS NECESSARY.



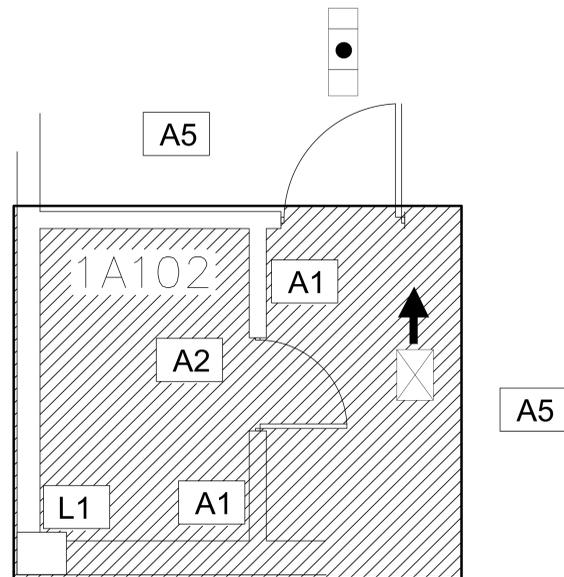
ROOM 1A139 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

VISUAL KEY

-  **NEGATIVE PRESSURE ENCLOSURE**
-  **THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION**
-  **NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION**

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| | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 719-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  | STAMP  | Office of Construction and Facilities Management  U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 51 - ROOM 1A139 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB Building Number 51 | | | |
| Revisions: | Date: | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO. | Issue Date 03/31/2022 | Checked JR | Drawn CD | Drawing Number HA511 |

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KEY NOTES

- A1** REMOVE NON-ASBESTOS AND NON-LEAD DRYWALL WALLS, ACT CEILING GIRD, AND DOOR ASSEMBLY WITHIN A NEGATIVE PRESSURE ENCLOSURE FOR ACCESS TO BLACK MASTIC UNDER WALL, 50 SF WALL WITH 1 EACH DOOR FRAME ASSEMBLY AND 120 SF ACT CEILING SYSTEM.
- A2** REMOVE NON-ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 120 SF FLOOR TILE AND MASTIC AND 1 ENCLOSURE.
- A3** REMOVE NON-ASBESTOS AND NON-LEAD DRYWALL WALLS, ACT CEILING GIRD, AND DOOR ASSEMBLY WITHIN A NEGATIVE PRESSURE ENCLOSURE FOR ACCESS TO BLACK MASTIC UNDER WALL, 80 SF WALL (BOTTOM 8 FT) AND 100 SF ACT CEILING SYSTEM.
- A4** REMOVE NON ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC AS WELL 1"X1" CERAMIC FLOOR TILE BROWN AND ADHESIVE USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 120 SF FLOOR TILE AND MASTIC, 100 SF CERAMIC FLOOR TILE AND 1 ENCLOSURE.
- A5** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO VACOR.
- A6** FLOOR COVERING AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A8** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A9** ASBESTOS CONTAINING DOOR WINDOW CAULK WHITE PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A10** ASBESTOS CONTAINING BLACK PENETRATION CAULK PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- L1** ASSUMED LEAD CONTAINING STRUCTURAL STEEL PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY

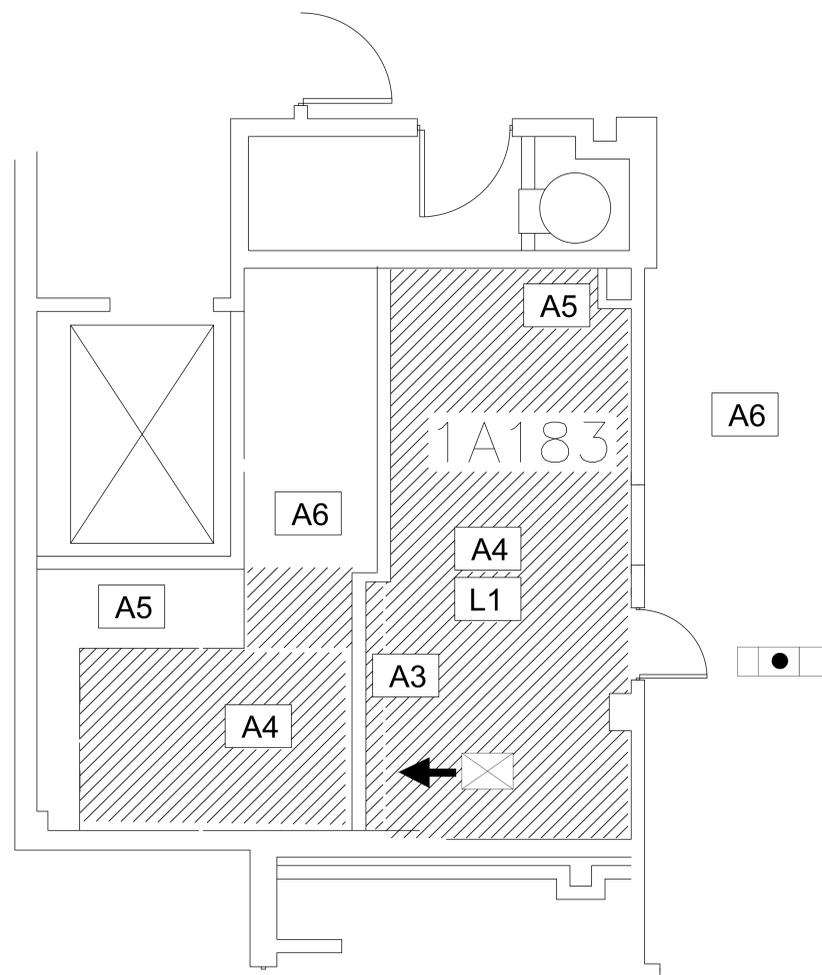
ROOM 1A102 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 719-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES |  | | ENVIRONMENTAL HAZARDS - BUILDING 51 - ROOM 1A102 | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 51 |
| | | | | | | | Issue Date 03/31/2022 | Checked JR | Drawn CD |
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KEY NOTES

- A1** REMOVE NON-ASBESTOS AND NON-LEAD DRYWALL WALLS, ACT CEILING GIRD, AND DOOR ASSEMBLY WITHIN A NEGATIVE PRESSURE ENCLOSURE FOR ACCESS TO BLACK MASTIC UNDER WALL, 50 SF WALL WITH 1 EACH DOOR FRAME ASSEMBLY AND 120 SF ACT CEILING SYSTEM.
- A2** REMOVE NON-ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 120 SF FLOOR TILE AND MASTIC AND 1 ENCLOSURE.
- A3** REMOVE NON-ASBESTOS AND NON-LEAD DRYWALL WALLS, ACT CEILING GIRD, AND DOOR ASSEMBLY WITHIN A NEGATIVE PRESSURE ENCLOSURE FOR ACCESS TO BLACK MASTIC UNDER WALL, 80 SF WALL (BOTTOM 8 FT) AND 100 SF ACT CEILING SYSTEM.
- A4** REMOVE NON ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC AS WELL 1"X1" CERAMIC FLOOR TILE BROWN AND ADHESIVE USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 120 SF FLOOR TILE AND MASTIC, 100 SF CERAMIC FLOOR TILE AND 1 ENCLOSURE.
- A5** ASBESTOS PIPE INSULATION PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO VACOR.
- A6** FLOOR COVERING AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A8** WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A9** ASBESTOS CONTAINING DOOR WINDOW CAULK WHITE PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A10** ASBESTOS CONTAINING BLACK PENETRATION CAULK PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- L1** ASSUMED LEAD CONTAINING STRUCTURAL STEEL PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY

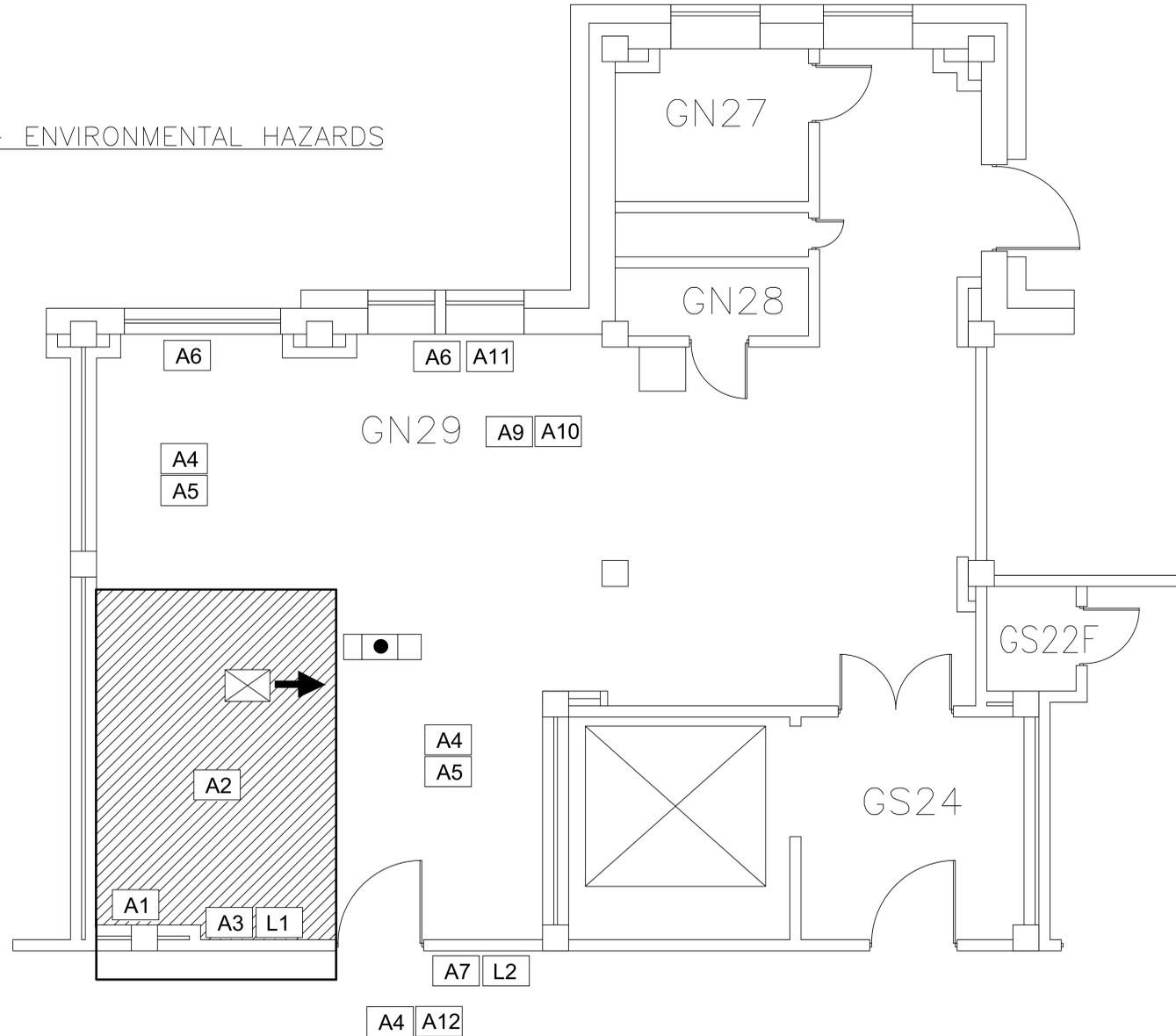
ROOM 1A183 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 719-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  SPEESDESIGNBUILD | STAMP  | Office of Construction and Facilities Management  U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 51 - ROOM 1A183 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB Building Number 51 | | | |
| Revisions: | Date: | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked JR | Drawn CD | Drawing Number HA513 |

ROOM GN29 – ENVIRONMENTAL HAZARDS
NOT TO SCALE



KEY NOTES

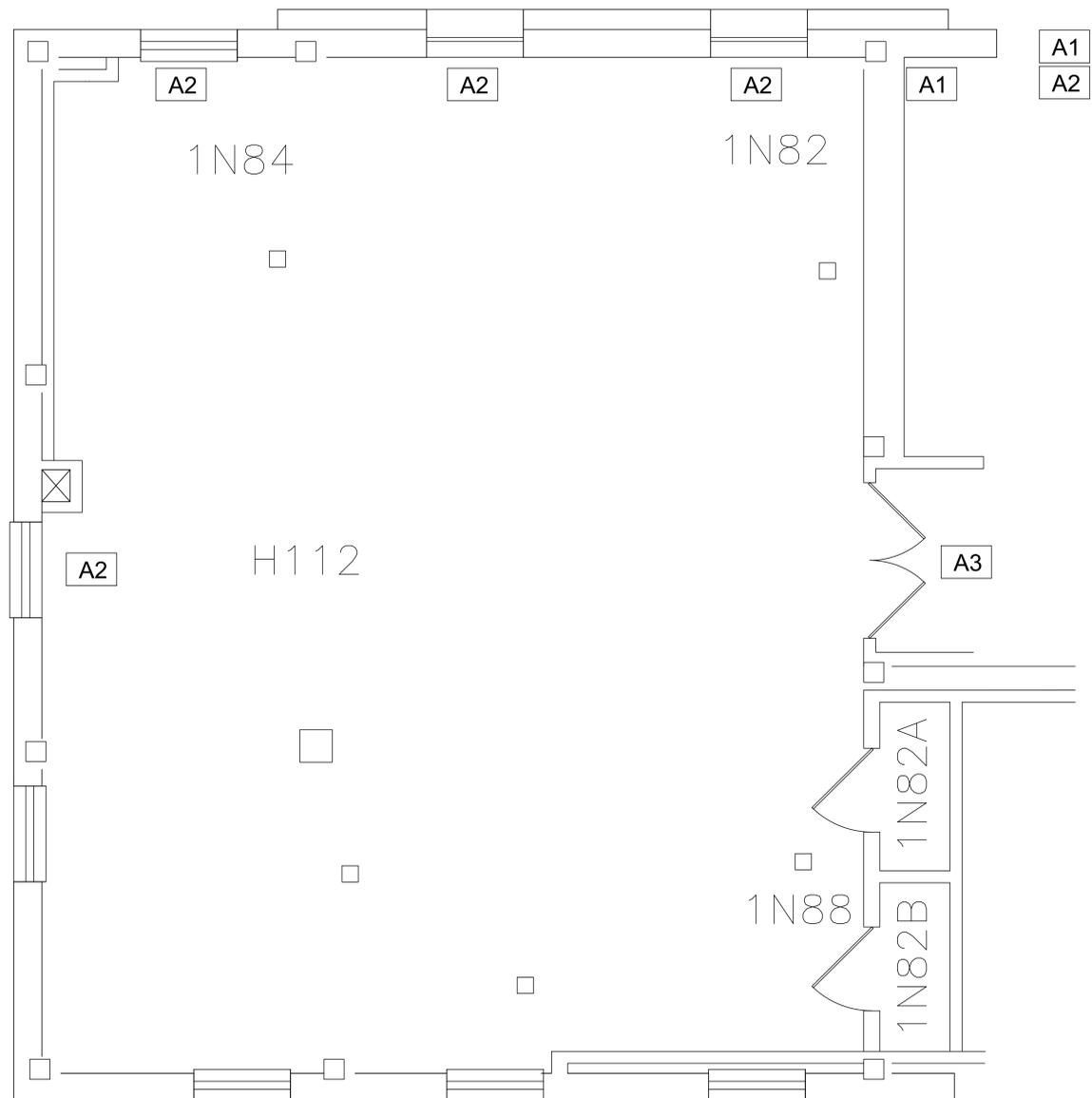
- A1 REMOVE NON-ASBESTOS ACT SYSTEM AND ASBESTOS PIPE INSULATION AND MUDDIED FITTINGS USING GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 9 LF OF 10" DIA. INSULATED PIPE, 120 SF ACT SYSTEM AND 1 ENCLOSURE. COORDINATE EXTENTS WITH GENERAL CONTRACTOR.
- A2 REMOVE NON-ASBESTOS CONTAINING 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 120 SF.
- A3 REMOVE ASBESTOS CONTAINING STRUCTURAL CAULK LOCATED AT JOINING OF LEAD CONTAINING GLAZE BLOCKS AND PLASTER WALL IN LOCATION OF NEW DOORWAY USING MANUAL METHODS AND GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE. COORDINATE LOCATION AND EXTENTS WITH GENERAL CONTRACTOR, 4LF AND 1 ENCLOSURE.
- A4 ASBESTOS PIPE INSULATION AND/OR MUDDIED AND/OR BLACK TAR FITTINGS PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED.
- A5 ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A6 ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7 ASBESTOS CONTAINING INTERIOR DOOR CAULK PRESENT ON ALL DOORS AND STRUCTURAL SEAMS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A8 ASBESTOS CONTAINING CEMENTITIOUS WALL PANELS AND ASBESTOS CONTAINING LAB COUNTER TOPS PRESENT WITHIN GN30. DO NOT DISTURB, PERFORM WORK ABOVE AND PROTECT AS NECESSARY.
- A9 ASBESTOS CONTAINING DEBRIS OR CONTAMINATION PRESENT WITHIN SOME AREAS OF CRAWLSPACE AND TUNNEL SYSTEMS. DO NOT ENTER.
- A10 ASBESTOS CONTAINING BLACK WATERPROOFING PRESENT THROUGHOUT CRAWLSPACE AREAS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A11 WINDOW ASSEMBLY WITH HIDDEN ASBESTOS CAULKS. DO NOT DISTURB, PROTECT AS NECESSARY
- A12 ASBESTOS CONTAINING BLACK CAULK ON DUCTWORK. DO NOT DISTURB, PROTECT AS NECESSARY
- L1 CLEAN CUT AND REMOVE LEAD CONTAINING YELLOW GLAZE BLOCKS FOR NEW DOOR LOCATION USING MANUAL DEMOLITION WITHIN A NEGATIVE PRESSURE ENCLOSURE, 18 SF LEAD BLOCKS AND 18 LF OF WALL CUT AND 1 ENCLOSURE. COORDINATE EXTENTS AND LOCATION WITH THE GENERAL CONTRACTOR.
- L2 LEAD CONTAINING WHITE METAL DOOR FRAME, DO NOT DISTURB, PROTECT AS NECESSARY

VISUAL KEY

-  NEGATIVE PRESSURE CONTAINMENT
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| | | CONSULTANT INDUSTRIAL HYGIENIST RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO 63123 (317) 977-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  | STAMP  | Office of Construction and Facilities Management  U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 52 - ROOM GN29 Approved: | Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED | Project Title EHRM INFRASTRUCTURE UPGRADES Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 | Project Number 657-21-701JB Building Number 52 Drawing Number HA520 Checked JR Drawn CD | |
| Revisions: | Date: | | | | | | | | | |

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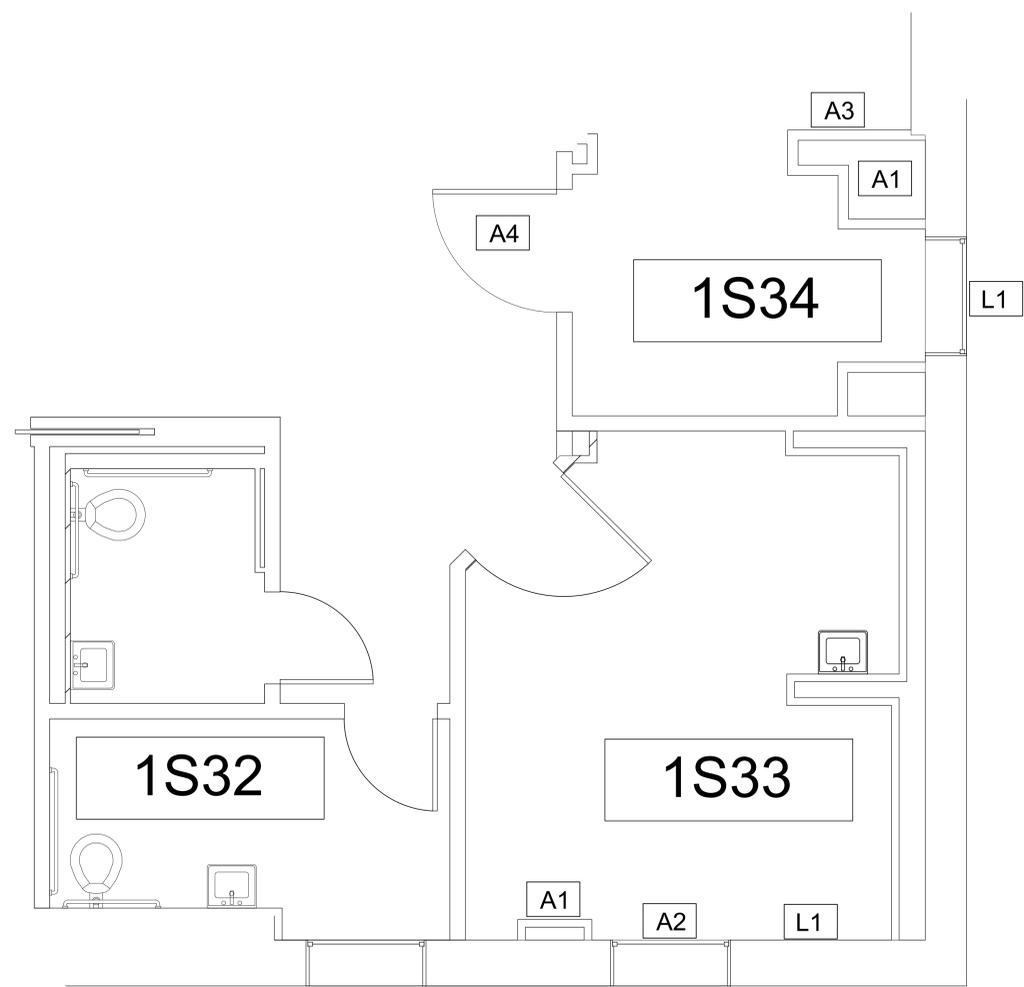


KEY NOTES

- A1** ASBESTOS PIPE INSULATION AND/OR MUDDED FITTINGS PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED.
- A2** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A3** ASBESTOS CONTAINING INTERIOR DOOR CAULK PRESENT ON ALL DOORS AND STRUCTURAL SEAMS. DO NOT DISTURB, PROTECT AS NECESSARY.

ROOM 1N82 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO 63123 (317) 977-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | ENVIRONMENTAL HAZARDS - BUILDING 52 - ROOM 1N82 | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 52 |
| | | | | | | | Issue Date 03/31/2022 | Checked Checker | Drawn Author |
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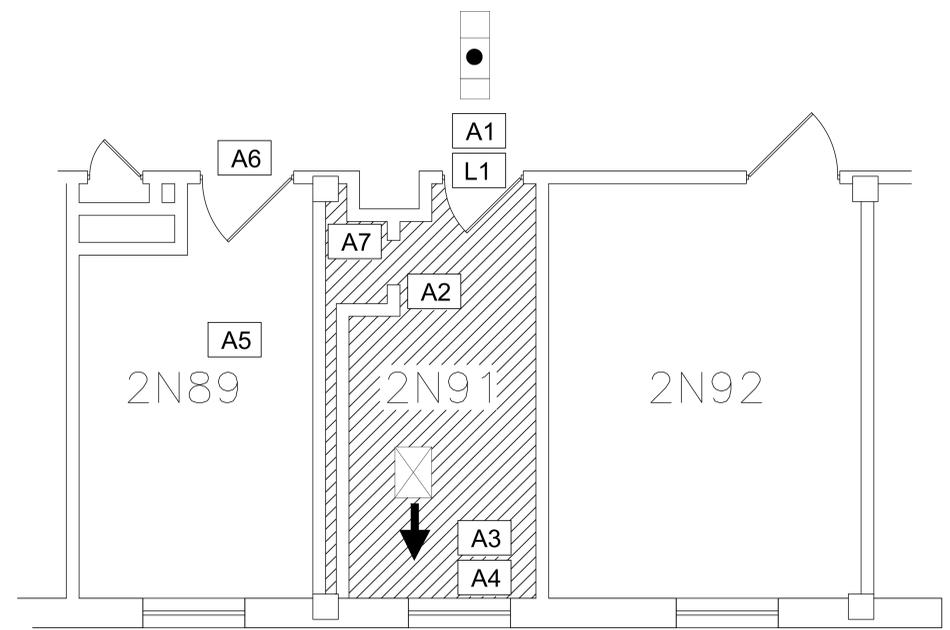
KEY NOTES

- A1** ASBESTOS PIPE INSULATION AND/OR MUDDERED FITTINGS PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED.
- A2** ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A3** ASBESTOS CONTAINING CEMENTITIOUS FLU PIPE PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A4** ASBESTOS BLACK TAR OR WRAP FITTINGS PRESENT ON CHILLED WATER LINES, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE FITTINGS. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED.
- L1** LBP PAINTED PLASTER WALL LOCATED BEHIND DRYWALL, PROTECT AS NECESSARY.

ROOM 1S33 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO 63123 (317) 977-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | U.S. Department of Veterans Affairs | ENVIRONMENTAL HAZARDS - BUILDING 52 - ROOM 1S33 | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | SPEESDESIGNBUILD | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 52 |
| | | | | | | | | Issue Date 03/31/2022 | Drawing Number HA522 |
| | | | | | | | | Checked Checker | Drawn Author |

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ROOM 2N91 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

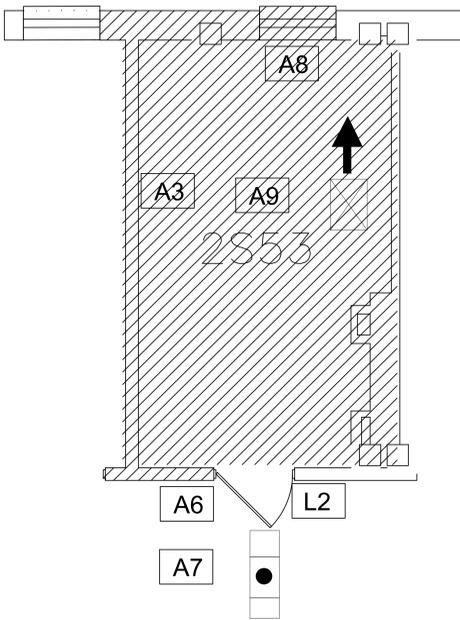
KEY NOTES

- A1 REMOVE ASBESTOS CONTAINING STRUCTURAL CAULK LOCATED AT JOINING OF LEAD CONTAINING GLAZE WALL BLOCKS AND LBP METAL DOOR FRAME USING MANUAL METHODS AND GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 38 LF AND 1 ENCLOSURE.
- A2 REMOVE ASBESTOS CONTAINING STRUCTURAL CAULK LOCATED AT JOINING OF METAL CHUTE AND LEAD CONTAINING GLAZE WALL BLOCKS USING MANUAL METHODS AND GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE. COORDINATE LOCATION AND EXTENTS WITH GENERAL CONTRACTOR, 12 LF ASBESTOS CAULK.
- A3 REMOVE WALL CONVECTOR AND ASBESTOS CONTAINING TRANSITE HEAT SHIELD AND/OR BLACK TAR PRESENT IN WALL VOIDS USING MANUAL MEANS AND CHEMICAL METHODS WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE, 12 SF OF TRANSITE, 12 SF OF TAR AND 1 WALL CONVECTOR AND 1 ENCLOSURE.
- A4 RM 1N91 BELOW: REMOVE ASBESTOS PIPE INSULATION AND MUDDIED FITTINGS USING GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE, 15LF AND 1 ENCLOSURE.
- A5 ASBESTOS FLOOR TILE AND/OR UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A6 ASBESTOS CONTAINING INTERIOR DOOR CAULK PRESENT ON DOORS AND STRUCTURAL WALL BLOCK SEAMS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7 ASBESTOS PIPE INSULATION AND/OR MUDDIED FITTINGS PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED.
- A8 ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A9 REMOVE NON-ASBESTOS CONTAINING 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 160 SF EACH.
- A10 REMOVE CONTAMINATED ACT CEILING TILES AND REPAIR MECHANICAL DEFECTS TO ASBESTOS PIPE INSULATION, FITTINGS, AND/OR OPEN JOINTS WITHIN A NEGATIVE PRESSURE ENCLOSURE. HEPA VACUUM (PRE-CLEAN) AND APPLY TWO LAYERS OF COVERING LAG CLOTH OVER DAMAGE/DEFECTS, 260SF CEILING TILES AND 8 DEFECTS AND 1 ENCLOSURE.
- L1 REMOVE LBP METAL DOOR AND DOOR FRAME USING MANUAL MEANS AND CLEAN CUT LEAD GLAZED BLOCKS FOR NEW DOOR WITHIN A NEGATIVE PRESSURE ENCLOSURE, 18 LF LEAD BLOCK CUT AND 1 DOOR AND 1 FRAME AND 1 ENCLOSURE. COORDINATE EXTENTS AND LOCATION WITH THE GENERAL CONTRACTOR. PERFORM ASSOCIATED ASBESTOS CAULK REMOVAL FIRST (KEYNOTE A1).
- L2 LEAD CONTAINING GREEN GLAZE WALL BLOCKS PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY
- L3 REMOVE LEAD CONTAINING LIGHT AND DARK GREEN CERAMIC WALL TILE USING MINIMAL DESTRUCTION MANUAL MEANS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 70 SF.

VISUAL KEY

-  NEGATIVE PRESSURE CONTAINMENT
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| CONSULTANT INDUSTRIAL HYGIENIST RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO 63123 (317) 977-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | STAMP  | Office of Construction and Facilities Management  U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 52 - ROOM 2N91 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB Building Number 52 | | |
| Revisions: _____ Date: _____ | |  | | Approved: _____ | | Fully SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Issue Date 03/31/2022 | Checked _____ Checker | Drawn _____ Author | Drawing Number HA523 |



ROOM 2S53 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

KEY NOTES

- A1 REMOVE ASBESTOS CONTAINING STRUCTURAL CAULK LOCATED AT JOINING OF LEAD CONTAINING GLAZE WALL BLOCKS AND LBP METAL DOOR FRAME USING MANUAL METHODS AND GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE, 38 LF AND 1 ENCLOSURE.
- A2 REMOVE ASBESTOS CONTAINING STRUCTURAL CAULK LOCATED AT JOINING OF METAL CHUTE AND LEAD CONTAINING GLAZE WALL BLOCKS USING MANUAL METHODS AND GROSS REMOVAL PROCEDURES WITHIN A NEGATIVE PRESSURE ENCLOSURE. COORDINATE LOCATION AND EXTENTS WITH GENERAL CONTRACTOR, 12 LF ASBESTOS CAULK.
- A3 REMOVE WALL CONVECTOR AND ASBESTOS CONTAINING TRANSITE HEAT SHIELD AND/OR BLACK TAR PRESENT IN WALL VOIDS USING MANUAL MEANS AND CHEMICAL METHODS WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE, 12 SF OF TRANSITE, 12 SF OF TAR AND 1 WALL CONVECTOR AND 1 ENCLOSURE.
- A4 RM 1N91 BELOW: REMOVE ASBESTOS PIPE INSULATION AND MUDDIED FITTINGS USING GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE, 15LF AND 1 ENCLOSURE.
- A5 ASBESTOS FLOOR TILE AND/OR UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A6 ASBESTOS CONTAINING INTERIOR DOOR CAULK PRESENT ON DOORS AND STRUCTURAL WALL BLOCK SEAMS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A7 ASBESTOS PIPE INSULATION AND/OR MUDDIED FITTINGS PRESENT, PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IF DAMAGED, STOP WORK AND REPORT TO COR WHERE OBSERVED.
- A8 ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A9 REMOVE NON-ASBESTOS CONTAINING 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 160 SF EACH.
- A10 REMOVE CONTAMINATED ACT CEILING TILES AND REPAIR MECHANICAL DEFECTS TO ASBESTOS PIPE INSULATION, FITTINGS, AND/OR OPEN JOINTS WITHIN A NEGATIVE PRESSURE ENCLOSURE. HEPA VACUUM (PRE-CLEAN) AND APPLY TWO LAYERS OF COVERING LAG CLOTH OVER DAMAGE/DEFECTS, 260SF CEILING TILES AND 8 DEFECTS AND 1 ENCLOSURE.
- L1 REMOVE LBP METAL DOOR AND DOOR FRAME USING MANUAL MEANS AND CLEAN CUT LEAD GLAZED BLOCKS FOR NEW DOOR WITHIN A NEGATIVE PRESSURE ENCLOSURE, 18 LF LEAD BLOCK CUT AND 1DOOR AND 1 FRAME AND 1 ENCLOSURE. COORDINATE EXTENTS AND LOCATION WITH THE GENERAL CONTRACTOR. PERFORM ASSOCIATED ASBESTOS CAULK REMOVAL FIRST (KEYNOTE A1).
- L2 LEAD CONTAINING GREEN GLAZE WALL BLOCKS PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY
- L3 REMOVE LEAD CONTAINING LIGHT AND DARK GREEN CERAMIC WALL TILE USING MINIMAL DESTRUCTION MANUAL MEANS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 70 SF.

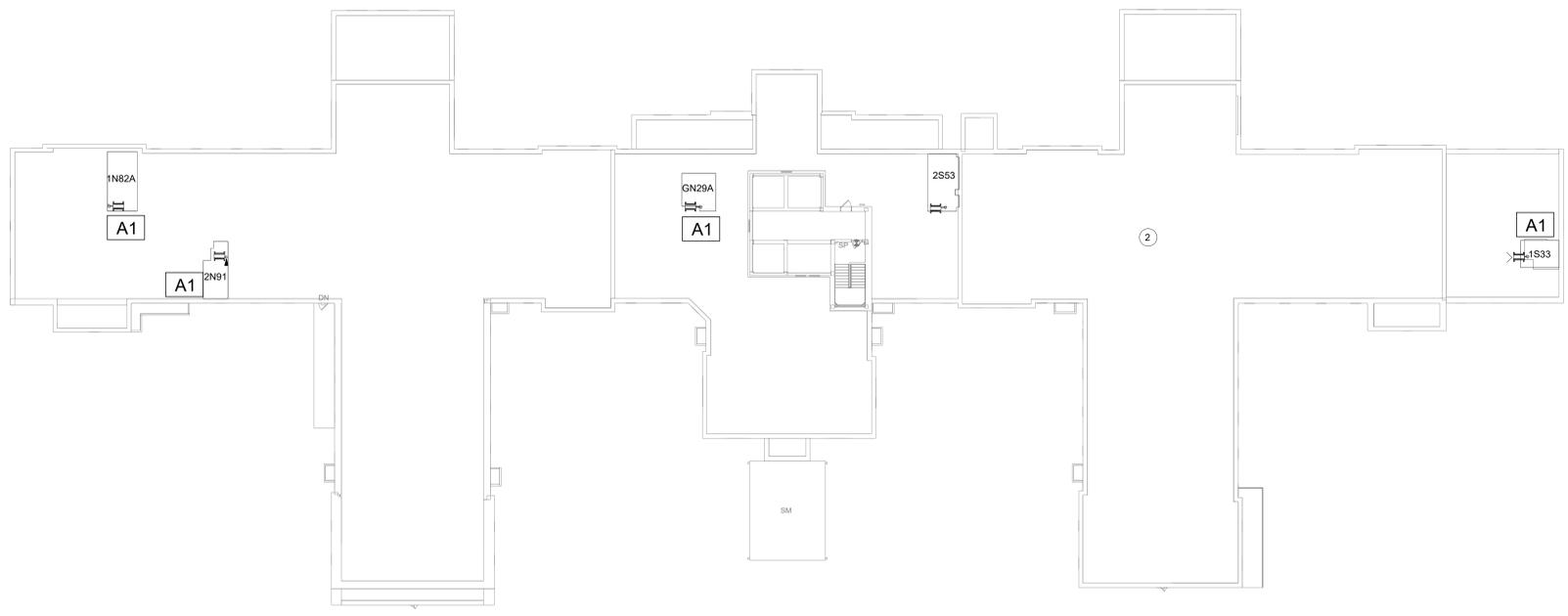
VISUAL KEY

- NEGATIVE PRESSURE CONTAINMENT
- THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
- NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

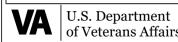
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| | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 52 - ROOM 2S53 | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB | | |
| | INDUSTRIAL HYGIENIST RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO 63123 (317) 977-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | U.S. Department of Veterans Affairs | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 52 | | |
| Revisions: | Date: | | | | | | Issue Date 03/31/2022 | Checked Checker | Drawn Author | HA524 |

KEY NOTES

A1 REMOVE SPOT LOCATIONS OF ASBESTOS ROOF AND UNDERLYING MASTICS OR TARS USING MANUAL MEANS AND CHEMICAL AND OUTDOOR METHODS IN A REGULATED AREA. COORDINATE SPOT AREAS OF REMOVAL AND EXACT SIZES OF ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR, 5 ROOF AREAS FOR PIPE, ELECTRIC AND CONDENSER SUPPORTS, 35 SF TOTAL AND 2 MOBILIZATIONS. USE CLEAR BRIDGING ENCAPSULANT ON EXPOSED SURFACES. USE EXISTING ROOF PENETRATIONS WHERE PRESENT.



ROOF – ENVIRONMENTAL HAZARDS
NOT TO SCALE

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| Revisions: Date: | | CONSULTANT INDUSTRIAL HYGIENIST RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO 63123 (317) 977-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  | STAMP  | Office of Construction and Facilities Management  | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 52 - ROOF Approved: | Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED | Project Title EHRM INFRASTRUCTURE UPGRADES Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 | Project Number 657-21-701JB Building Number 52 Drawing Number HA525 |
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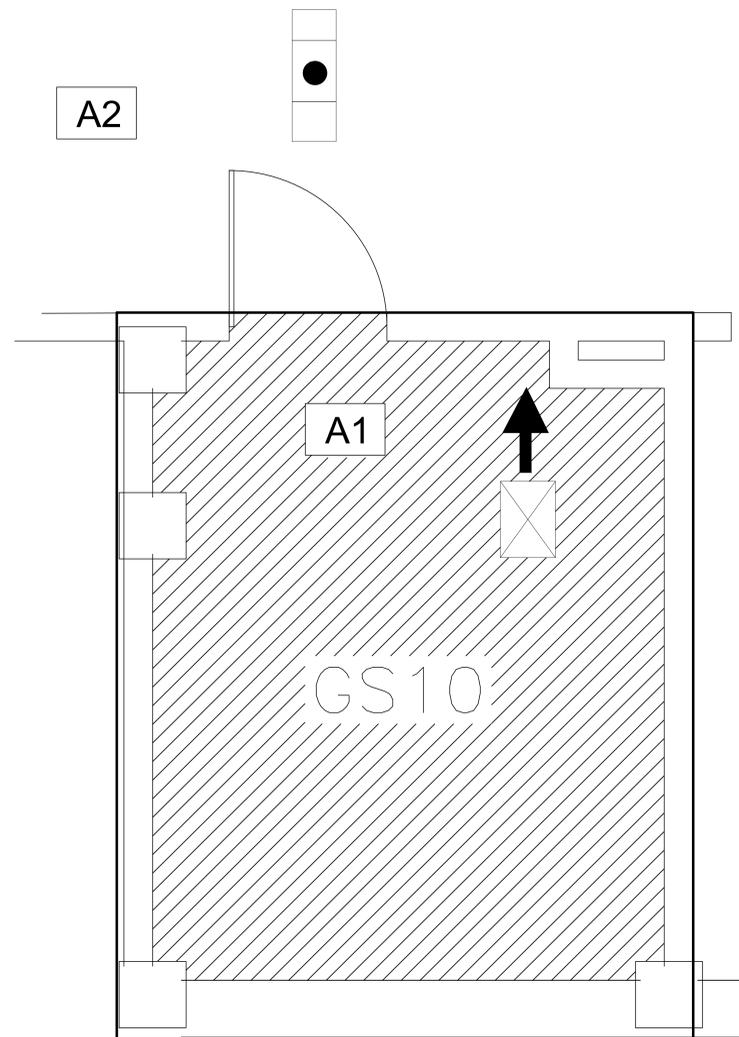
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KEY NOTES

- A1** REMOVE NON ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS CONTAINING BLACK MASTIC, USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 100 SQUARE FEET.
- A2** NON-ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS CONTAINING BLACK MASTIC, PROTECT AS NECESSARY.



ROOM GS10 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

VISUAL KEY

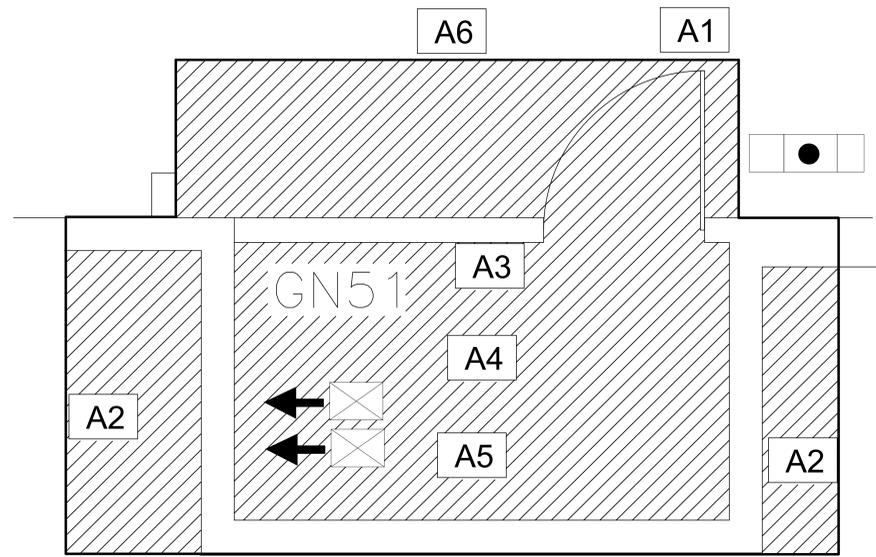
 NEGATIVE PRESSURE ENCLOSURE

 THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION

 NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | STAMP  | Office of Construction and Facilities Management  U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 53 - ROOM GS10 Approved: | Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED | Project Title EHRM INFRASTRUCTURE UPGRADES Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 | Project Number 657-21-701JB Building Number 53 Drawing Number HA530 |
| Revisions: | | Date: | | | | | | | |

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ROOM GN51 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

KEY NOTES

- A1** ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A2** ENTER CRAWLSPACE IN PROPER PPE THROUGH THREE STAGE DECON AT CRAWLSPACE ENTRY. EQUIPMENT ROOM SHALL BE UNDER NEGATIVE PRESSURE. CONSTRUCT HARD ICRA BARRIERS WITHIN CRAWLSPACE. PREP ICRA BARRIERS WITH 2 LAYERS OF 6-MIL REINFORCED POLY COMPLETING THE NEGATIVE PRESSURE ENCLOSURE. NEGATIVE AIR MUST EXHAUST TO THE EXTERIOR.
- A3** DEMOLISH NON ASBESTOS AND NON LEAD BASED PAINTED CORRIDOR WALL WITHIN A NEGATIVE PRESSURE ENCLOSURE TO ACCESS THREE STAGE DECON AND TWO STAGE LOAD OUT CREATING MAKE UP AIR FOR THE NEGATIVE AIR MACHINES.
- A4** EXCAVATE ASBESTOS CONTAMINATED SOIL WITHIN NEGATIVE PRESSURE ENCLOSURE. EXCAVATE TO DEPTH COORDINATED WITH THE GENERAL CONTRACTOR. EXCAVATION MUST BE DEEP ENOUGH TO PLACE AN AIR TIGHT RUBBER MEMBRANE ON SOIL FOLLOWED BY FINISHED CONCRETE FOR NEW FLOOR.. TOTAL ESTIMATED SOIL EXCAVATED 60 CUBIC FEET
- A5** INSTALL 60 MILLIMETER THICK EPDM MEMBRANE OVER EXPOSED SOIL SURFACES. MEMBRANE MUST BE CHEMICALLY WELDED AT SEAMS WITH A 12" OVERLAP AND PHYSICALLY SEALED ALONG PERIMETER EDGES, WALLS OR COLUMNS TO CREATE AN AIR TIGHT SEAL BETWEEN SOILS AND CRAWL SPACE
- A6** FOLLOWING FINAL AIR CLEARANCE, ROOM MUST BE PLACED UNDER POSITIVE PRESSURE FROM HALLWAY DURING CONSTRUCTION
- A7** ASBESTOS CONTAINING BROWN FIBROUS HVAC COVERING PRESENT WITHIN CRAWLSPACE. DO NOT DISTURB, PROTECT AS NECESSARY
- A8** ASBESTOS CONTAINING EXTERIOR WHITE DOOR CAULK. DO NOT DISTURB, PROTECT AS NECESSARY
- A9** ASBESTOS CONTAINING BLACK PENETRATION CAULK PRESENT WITHIN CRAWLSPACE. DO NOT DISTURB, PROTECT AS NECESSARY
- A10** AT INTERSECTION OF DUCTBANK AND FOUNDATION WALL FIBER OPTIC PATHWAY PENETRATION BUILDING 53:ØREMOVE ASBESTOS BLACK TAR WATERPROOFING USING MANUAL MEANS AND CHEMICAL METHODS FOLLOWING OUTDOOR REQUIREMENTS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 2 SF. COORDINATE EXACT LOCATION OF PENETRATION AND EXTENTS WITH THE GENERAL CONTRACTOR.

VISUAL KEY

-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number | | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES |  | | ENVIRONMENTAL HAZARDS - BUILDING 53 - ROOM GN51 | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB 53 | | |
| | | | | | Approved: | FULLY SPRINKLERED | Location | Issue Date | Checked | Drawn | Drawing Number |
| | | | | | | | ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | 03/31/2022 | JR | CD | HA531 |

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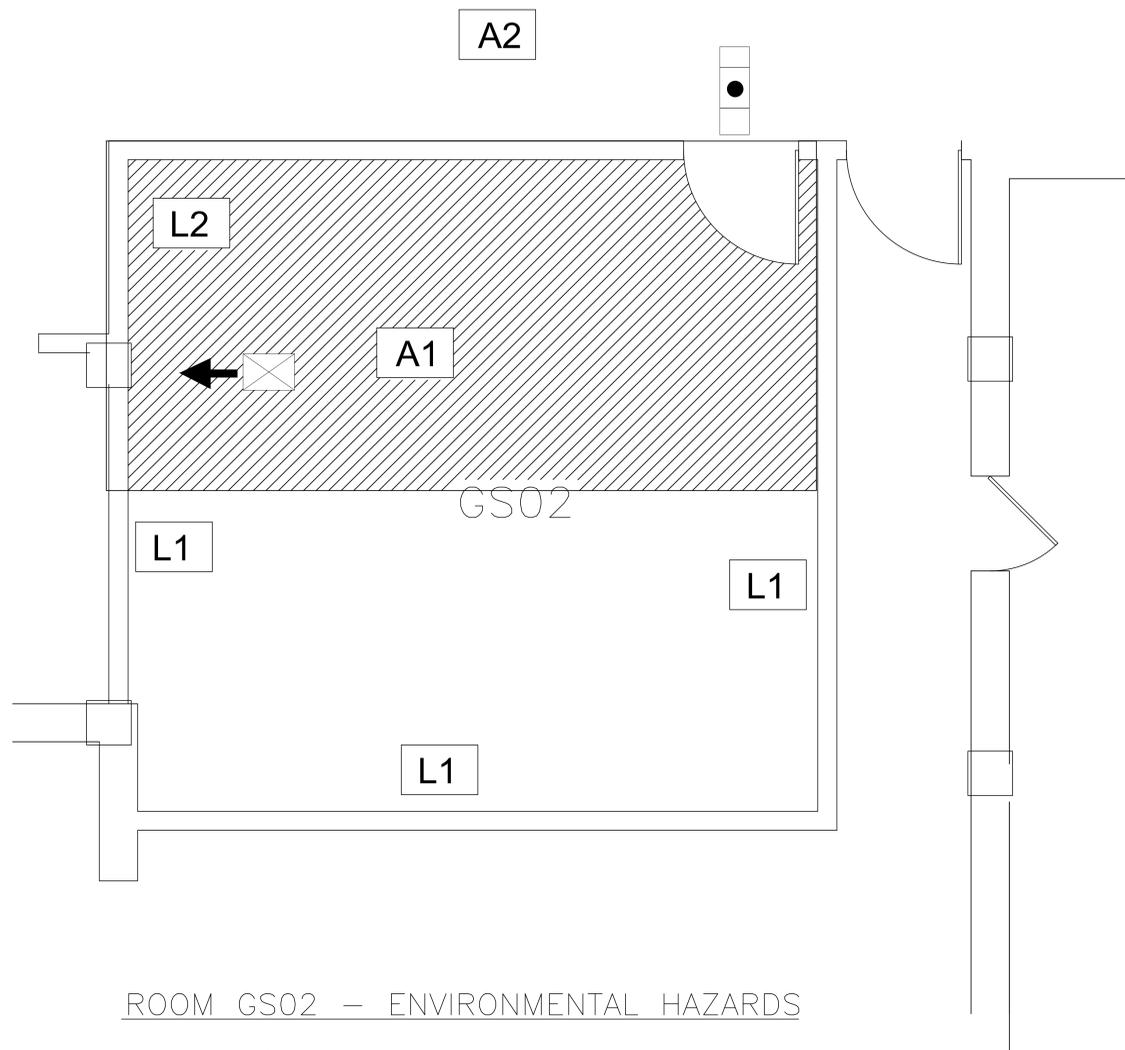
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ROOM GS02 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

KEY NOTES

- A1** REMOVE NON-ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC USING MANUAL MEANS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 279 SF AND 1 ENCLOSURE
- A2** NON-ASBESTOS 12"X12" FLOOR TILE AND UNDERLYING ASBESTOS CONTAINING BLACK MASTIC, PROTECT AS NECESSARY.
- L1** REMOVE LEAD CONTAINING GRAY WALL TILE USING MANUAL MEANS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 100 SF AND 1 ENCLOSURE
- L2** LEAD CONTAINING GRAY WALL TILE, PROTECT AS NECESSARY

VISUAL KEY

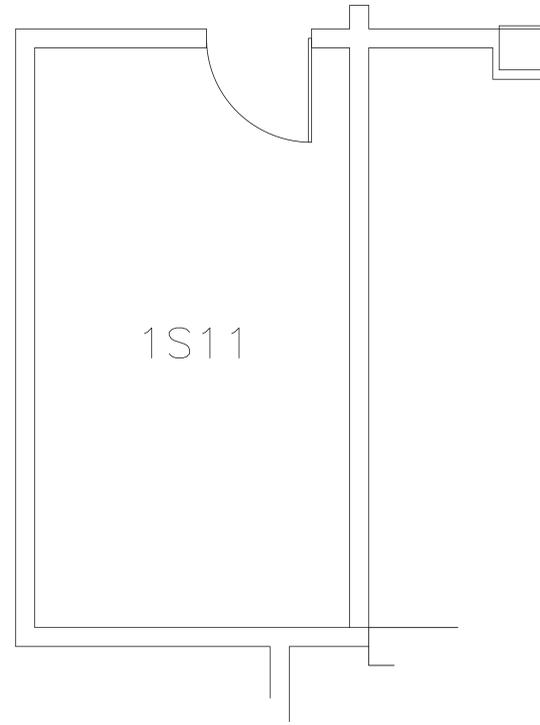
-  **NEGATIVE PRESSURE ENCLOSURE**
-  **THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION**
-  **NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION**

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number | |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | ENVIRONMENTAL HAZARDS - BUILDING 53 - ROOM GS02 | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB Building Number 53 | |
| | | | | | | Approved: | FULLY SPRINKLERED | Location | Drawing Number | |
| | | | | | | | | ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | HA532 | |
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KEY NOTES

- A1** ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- A2** ASBESTOS CONTAINING BLACK PENETRATION CAULK PRESENT WITHIN CRAWLSPACE. DO NOT DISTURB, PROTECT AS NECESSARY
- A3** ASBESTOS CONTAINING BROWN FIBROUS HVAC COVERING PRESENT WITHIN CRAWLSPACE. DO NOT DISTURB, PROTECT AS NECESSARY
- A4** ASBESTOS CONTAINING EXTERIOR WHITE DOOR CAULK. DO NOT DISTURB, PROTECT AS NECESSARY



ROOM 1S11 – ENVIRONMENTAL HAZARDS
NOT TO SCALE

VISUAL KEY



NEGATIVE PRESSURE ENCLOSURE

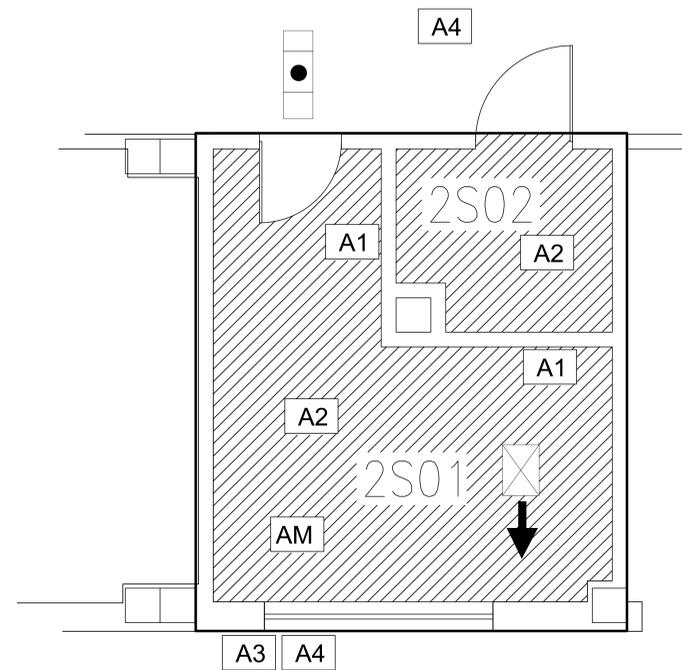


THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION



NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST: | A/E: | | | ENVIRONMENTAL HAZARDS - BUILDING 53 - ROOM 1S11 | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 53 |
| | | | | | | | | Issue Date 03/31/2022 | Checked JR |
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ROOMS 2S01 & 2S02 – ENVIRONMENTAL HAZARDS
 NOT TO SCALE

KEY NOTES

- A1 REMOVE NON-ASBESTOS AND NON-LEAD DRYWALL WALLS TO ACCESS UNDERLYING ASBESTOS BLACK MASTIC AND ACT CEILING SYSTEM USING MANUAL MEANS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 70 SF DRYWALL WALLS AND 140 SF ACT CEILING SYSTEM.
- A2 REMOVE NON-ASBESTOS 12"X12" FLOOR TILE AND MASTIC AND UNDERLYING ASBESTOS BLACK MASTIC USING MANUAL METHODS WITHIN A NEGATIVE PRESSURE ENCLOSURE, 200 SF FLOOR TILE AND MASTICS AND 1 ENCLOSURE.
- A3 REMOVE WALL CONVECTOR AND ASBESTOS CONTAINING TRANSITE HEAT SHIELD AND/OR BLACK TAR PRESENT IN WALL VOIDS USING MANUAL MEANS AND CHEMICAL METHODS WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE, 12 SF OF TRANSITE, 12 SF OF TAR AND 1 WALL CONVECTOR.
- A4 REMOVE FIBERGLASS PIPE INSULATION WITH ASBESTOS HANGERS AND FITTINGS AT PIPE ASSOCIATED WITH HEAT CONVECTOR AT FLOOR 2 ABOVE USING GLOVEBAG METHODS WITHIN A NEGATIVE PRESSURE MINI-ENCLOSURE, 17 LF AND 1 ENCLOSURE.
- A5 FLOOR COVERING LAYER WITH UNDERLYING ASBESTOS BLACK MASTIC ASSUMED, PROTECT AS NECESSARY.
- A6 WINDOW ASSEMBLY WITH POTENTIAL HIDDEN ASBESTOS CAULK (PACM), PROTECT AS NECESSARY.
- A7 ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR (PACM) PRESENT IN WALL VOIDS OF HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- A8 ASBESTOS CONTAINING BLACK PENETRATION CAULK PRESENT WITHIN CRAWLSPACE. DO NOT DISTURB, PROTECT AS NECESSARY
- A9 ASBESTOS CONTAINING BROWN FIBROUS HVAC COVERING PRESENT WITHIN CRAWLSPACE. DO NOT DISTURB, PROTECT AS NECESSARY
- A10 ASBESTOS CONTAINING EXTERIOR WHITE DOOR CAULK. DO NOT DISTURB, PROTECT AS NECESSARY
- A11 ASBESTOS CONTAINING INTERIOR WINDOW CAULK- WHITE IS PRESENT WITHIN PENTHOUSE. DO NOT DISTURB, PROTECT AS NECESSARY
- A12 PRESUMED ASBESTOS CONTAINING ROOF SYSTEM. DO NOT DISTURB, PROTECT AS NECESSARY

VISUAL KEY

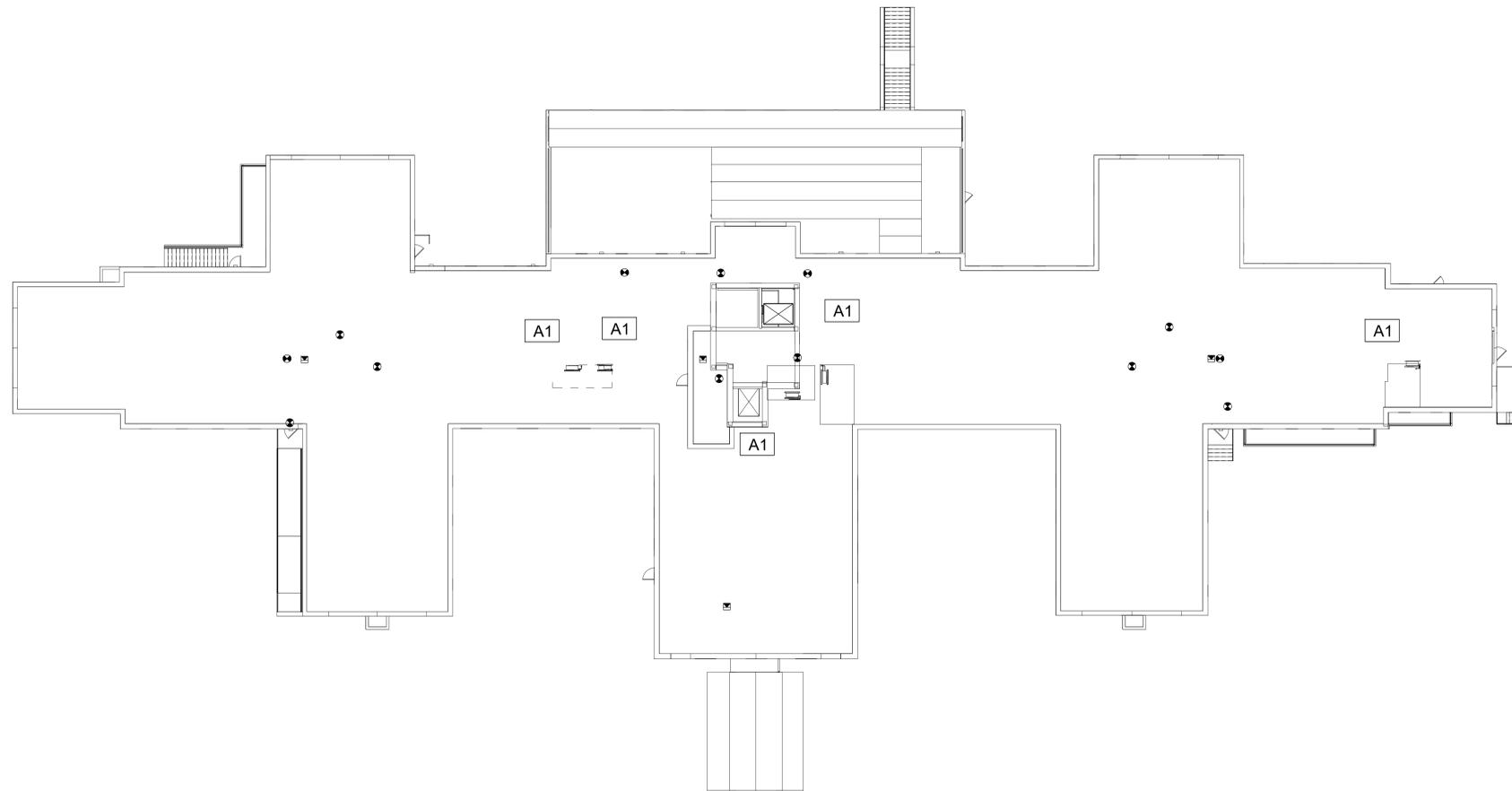
-  NEGATIVE PRESSURE ENCLOSURE
-  THREE STAGE DECON AND TWO STAGE LOAD OUT IN ACCORDANCE WITH SPECIFICATION
-  NEGATIVE AIR MACHINE WITH THREE STAGE HEPA FILTRATION SYSTEM IN ACCORDANCE WITH SPECIFICATION WITH SUGGESTED TUBING DIRECTION

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| | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management | Drawing Title | Phase | Project Title | Project Number |
| | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES |  |  U.S. Department of Veterans Affairs | ENVIRONMENTAL HAZARDS - BUILDING 53 - ROOMS 2S01 & 2S02 | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| Revisions: | Date: | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 53 |
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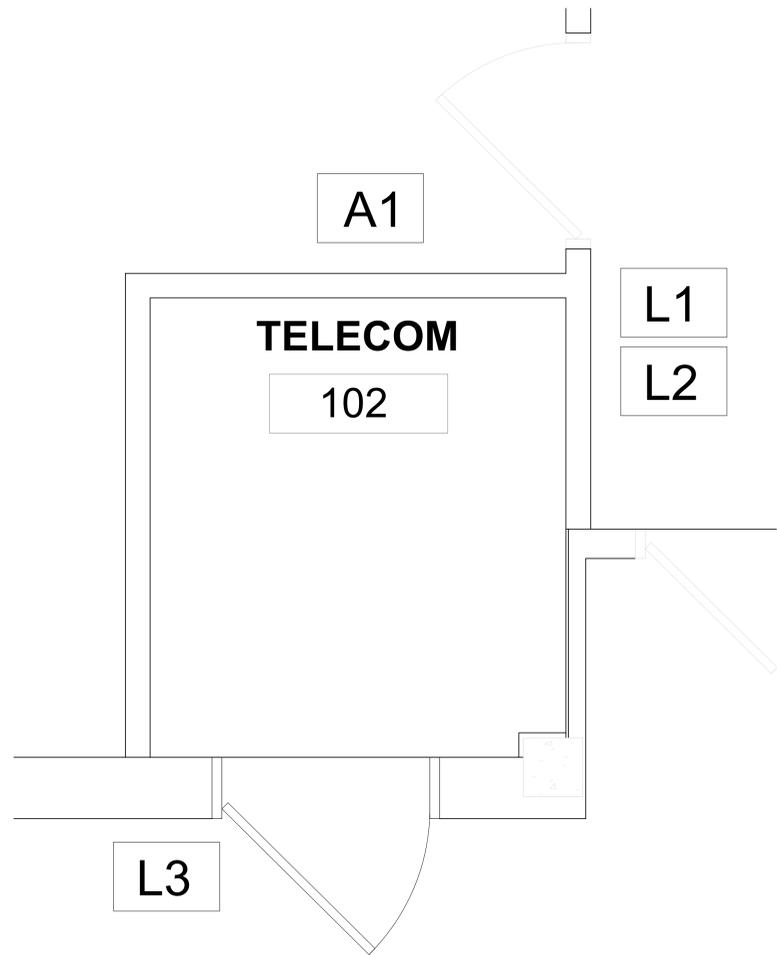
KEY NOTES

A1 REMOVE SPOT LOCATIONS OF ASBESTOS ROOF AND UNDERLYING MASTICS OR TARS USING MANUAL MEANS AND CHEMICAL AND OUTDOOR METHODS IN A REGULATED AREA. COORDINATE SPOT AREAS OF REMOVAL AND EXACT SIZES OF ROOF PENETRATIONS WITH THE GENERAL CONTRACTOR, 5 ROOF AREAS FOR PIPE, ELECTRIC AND CONDENSER SUPPORTS, 35 SF TOTAL AND 2 MOBILIZATIONS. USE CLEAR BRIDGING ENCAPSULANT ON EXPOSED SURFACES.



ROOF – ENVIRONMENTAL HAZARDS
NOT TO SCALE

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| Revisions: | Date: | CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | STAMP | Office of Construction and Facilities Management U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 53 - ROOF | Phase 100% CONSTRUCTION DOCUMENTS | Project Title EHRM INFRASTRUCTURE UPGRADES | Project Number 657-21-701JB |
| | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 53 | Drawing Number HA535 | | | |
| | | Issue Date 03/31/2022 | Checked JR | Drawn CD | | | | | |



ROOM 102 – ENVIRONMENTAL HAZARDS
 NOT TO SCALE

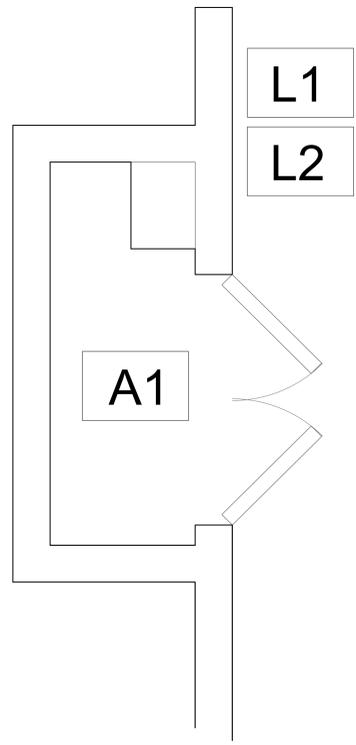
KEY NOTES

- A1** FOLLOW EXISTING FREON TUBING AND POWER/SIGNAL PATHWAYS FOR DEMOLITION OF EXISTING AND INSTALLATION OF NEW MINI-SPLIT ON ROOF. ASBESTOS CONTAINING ROOF SYSTEM (PACM). DO NOT DISTURB, PROTECT AS NECESSARY.
- L1** LEAD CONTAINING GLAZED FACE "OLIVE" CERAMIC WALL BLOCKS PRESENT AT ELEVATIONS BELOW CEILING GRID. DO NOT DISTURB, PROTECT AS NECESSARY. NON-ASBESTOS VCT TILE AND GROUT ABOVE.
- L2** LEAD CONTAINING 9"X10" MAROON CERAMIC COVE BASE PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.
- L3** LEAD CONTAINING CERAMIC WALL BLOCKS, PROTECT AS NECESSARY.

BUILDING 60 GENERAL ENVIRONMENTAL HAZARD NOTES

- SMALL AMOUNTS OF ASBESTOS TAR & CORK OR CAL-MAG PIPE INSULATION AND MUDDIED FITTINGS AND/OR HANGERS MAY BE PRESENT IN PROJECT PATHWAYS CORRIDOR 136, H102, H103, RECEIVING 117 AND ROOM 135. PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IN THE EVENT DAMAGE IS OBSERVED, STOP WORK AND REPORT LOCATION TO VACOR.
- ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT IN PROJECT PATHWAY ROOM 101. DO NOT DISTURB, PROTECT AS NECESSARY.
- ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS AT HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- ASBESTOS CAULKS AT INTERIOR AND PERIMETER WINDOW ASSEMBLIES. DO NOT DISTURB, PROTECT AS NECESSARY.
- ASBESTOS CONTAINING BLACK PENETRATION CAULK PRESENT WITHIN ROOM 115 OLD TELEPHONE CLOSET. DO NOT DISTURB, PROTECT AS NECESSARY.
- LEAD BASED PAINT PRESENT ON PLASTER WALL IN ROOM 135 PATHWAY. DO NOT DISTURB, PROTECT AS NECESSARY.

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| CONSULTANT INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | | ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | STAMP | Office of Construction and Facilities Management U.S. Department of Veterans Affairs | Drawing Title ENVIRONMENTAL HAZARDS - BUILDING 60 - ROOM 102 Approved: | Phase 100% CONSTRUCTION DOCUMENTS FULLY SPRINKLERED | Project Title EHRM INFRASTRUCTURE UPGRADES Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 | Project Number 657-21-701JB Building Number 60 Drawing Number HA600 |
| Revisions: | | Date: | | Checked JR | | Drawn CD | | | |



ROOM 101A – ENVIRONMENTAL HAZARDS
NOT TO SCALE

KEY NOTES

- A1 ASBESTOS CONTAINING BLACK MASTIC UNDER 12"X12" WHITE FLOOR TILE PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY
- L1 LEAD CONTAINING GLAZED FACE "OLIVE" CERAMIC WALL BLOCKS PRESENT AT ELEVATIONS BELOW CEILING GRID. DO NOT DISTURB, PROTECT AS NECESSARY. NON-ASBESTOS VCT TILE AND GROUT ABOVE.
- L2 LEAD CONTAINING 9"X10" MAROON CERAMIC COVE BASE PRESENT. DO NOT DISTURB, PROTECT AS NECESSARY.

BUILDING 60 GENERAL ENVIRONMENTAL HAZARD NOTES

- SMALL AMOUNTS OF ASBESTOS TAR & CORK OR CAL-MAG PIPE INSULATION AND MUDDIED FITTINGS AND/OR HANGERS MAY BE PRESENT IN PROJECT PATHWAYS CORRIDOR 136, H102, H103, RECEIVING 117 AND ROOM 135. PROTECT AS NECESSARY. MAINTAIN 3 FEET OF DISTANCE FROM ASBESTOS PIPE INSULATION. IN THE EVENT DAMAGE IS OBSERVED, STOP WORK AND REPORT LOCATION TO VACOR.
- ASBESTOS FLOOR TILE AND UNDERLYING ASBESTOS BLACK MASTIC PRESENT IN PROJECT PATHWAY ROOM 101. DO NOT DISTURB, PROTECT AS NECESSARY.
- ASBESTOS CONTAINING TRANSITE HEAT SHIELDS AND/OR BLACK TAR PRESENT IN WALL VOIDS AT HEAT CONVECTOR UNITS ALONG PERIMETER WALLS. DO NOT DISTURB, PROTECT AS NECESSARY.
- ASBESTOS CAULKS AT INTERIOR AND PERIMETER WINDOW ASSEMBLIES. DO NOT DISTURB, PROTECT AS NECESSARY.
- ASBESTOS CONTAINING BLACK PENETRATION CAULK PRESENT WITHIN ROOM 115 OLD TELEPHONE CLOSET. DO NOT DISTURB, PROTECT AS NECESSARY.
- LEAD BASED PAINT PRESENT ON PLASTER WALL IN ROOM 135 PATHWAY. DO NOT DISTURB, PROTECT AS NECESSARY.

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|------------|-------|--|--|-------|--|---|-----------------------------|--|--------------------------------|
| Revisions: | Date: | CONSULTANT | ARCHITECT/ENGINEER OF RECORD | STAMP | Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs | Drawing Title | Phase | Project Title | Project Number |
| | | INDUSTRIAL HYGIENIST: RSH 11140 S. TOWNE SQ. STE. 100 ST LOUIS, MO. 63123 (314) 917-0148 | A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES | | | ENVIRONMENTAL HAZARDS - BUILDING 60 - ROOM 101A | 100% CONSTRUCTION DOCUMENTS | EHRM INFRASTRUCTURE UPGRADES | 657-21-701JB |
| | | | | | | Approved: | FULLY SPRINKLERED | Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO | Building Number 60 |
| | | | | | | | Issue Date 03/31/2022 | Checked JR | Drawn CD |
| | | | | | | | | | Drawing Number HA601 |