St. Cloud EHRM Infrastructure Upgrades

VA PROJECT NUMBER: 656-21-235

4801 VETERANS DRIVE
ST CLOUD, MN 56303

U.S. Department of Veterans Affairs
Veterans Health Administration

TECHNICAL SPECIFICATIONS
Volume 3: Appendix A – Asbestos Survey

ANDERSON ENGINEERING OF MN, LLC
Project Number: 16305

Issue for
100% CONSTRUCTION DOCUMENTS
Issued for Bidding
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ANDERSON

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ASBESTOS REINSPECTION REPORT 2019

LOCATION:

ST. CLOUD VA MEDICAL CENTER
4801 VETERANS DRIVE
ST. CLOUD, MN 56303

VA PROJECT #: 656-C90115
SOLICITATION #: 36C26319Q0714

INSPECTION DATES:

NOVEMBER 4-6, 2019
JULY 13, 2020

PRIME CONTRACTOR:
CASTLE HILL ASSOCIATES, LLC 218-A MECHANIC ST. WATERVILLE, OH 43566 567-952-0212 CASTLE HILL

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1.0 EXECUTIVE SUMMARY

On November 4-6, 2019, Castle Hill Associates, LLC was contracted by the US Department of Veterans Affairs (VA) to perform asbestos re-inspections of 47 buildings on the campus of the St. Cloud VA Medical Center in St. Cloud, Minnesota. The survey was performed as part of the VA project number 656-C90115 under Solicitation Number 36C26319Q0714. The Performance Work Statement (PWS) issued by the VA defined the scope of work for the asbestos survey. The buildings that were surveyed as part of this project included:

Buildings 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 28, 29, 30, 32, 37, 48, 49, 50, 51, 54, 57, 59, 69, 87, 88, 91, 92, 93, 94, 95, 96, 97, 99, 100, 103, 104, 105, 106, 107, 108, 109, 110, Connecting Corridors, and Tunnels.

The inspection was conducted by Brett Brumbaugh who was assisted by Sam Ansara. The project manager was Mr. Brumbaugh who has been conducting asbestos surveys, sampling, and consulting work since 1987. He is a State of Minnesota certified Asbestos Inspector. Sam Ansara has been conducting asbestos surveys, sampling, and consulting work since 1989. There was a previous asbestos reinspection and sampling conducted at the facility most recently in 2017 and those reports were reviewed and utilized by Castle Hill prior to this inspection. There were no limitations or exceptions to the PWS for the surveys conducted.

All accessible functional areas in the facilities were surveyed. All previous asbestos survey information and sampling conducted at the facilities were evaluated and incorporated into this survey. All confirmed asbestos-containing materials were verified. This report can be incorporated into the facility's management plan for asbestos-containing materials.

2.0 STATE AND LOCAL REGULATIONS

The State of Minnesota asbestos inspection and licensing regulations are similar to the Federal regulations. State asbestos regulations include requirements for licensing and certification of personnel who will perform asbestos-related work activities. All personnel who engage in asbestos-related activities must comply with the state licensing/certification requirements as well as with all Federal requirements.

3.0 SUMMARY OF FINDINGS

3.1 Asbestos/Non-Asbestos Containing Buildings on Campus

The following table summarizes whether each building contains asbestos or has been determined to be "asbestos free" based on the previous testing and current inspection:

BUILDING	ASBESTOS PRESENT	NO ASBESTOS PRESENT
1	Y	
2	Y	
3	Y	
4	Y	
5		N
6	Y	
7	Y	
8	Y	
9	Y	
10	Y	
11	Y	
13	Y	
14	Y	
28	Y	
29	Y	
30		N
32		N
37		N
48	Y	
49	Y	
50	Y	
51	Y	
54	Y	
57		N
59	Y	
69		N
87		N
88	Y	
91	Y	
92	Y	
93	Y	
94		N
95	Y	
96	Y	
97		N
99		N
100		N
103		N
104		N
105		N
106		N
107		N
108		N
109		N
110		N
Corridors	Y	
Tunnels	Y	

3.2 Asbestos-Containing Materials, Locations and Quantities by Building

The following is a summary of the asbestos containing materials, locations, quantities of materials in each inspected building for this project. Please refer to Appendix A & D (assessment database and drawings) for the exact locations in each building.

Building 1

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mud fittings on fiberglass insulated lines	Basement, 1st floor, 2nd floor, and 3rd floor	235 ea.
Pipe insulation – Mag block	Concealed behind plaster walls and ceilings on all floors	330 lf +
Contaminated soil in crawlspace	Crawlspace off of X-Ray room	315 sf
9” & 12” vinyl floor tile and black mastic	Basement, 1st floor, and 2nd floor	275 sf
Fire Doors	Basement, 1st floor, 2nd floor, and 3rd floor	6 doors
Exterior caulking on brick wall joints	Exterior brick	675 lf
Exterior tar on downspouts	Exterior downspouts	9 ea.

Building 2

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mag block	Concealed behind plaster walls and ceilings on all floors	420 lf +
Contaminated soil in crawlspace	Crawlspaces under east and west wings	9,800 sf
Fire Doors	Basement, 1st floor, 2nd floor, and 3rd floor	17 doors
Exterior window frame caulk	Exterior brick	229 windows
Black wall waterproofing	Basement	220 sf
Exterior tar on downspouts	Exterior downspouts	21 ea.

Building 3

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
12” vinyl floor tile and black mastic	1st floor and 2nd floor	3,494 sf
Fire Doors	1st floor and 2nd floor	4 doors
Exterior window caulking	Basement, 1st and 2nd floors	78 windows
Black wall mastic	1st and 2nd floors	1,560 sf
Transite inside convectors under windows	1st and 2nd floors	2,808 sf
Black ebony lab table tops & upper shelves	1st floor dental lab 121	130 sf

Building 4

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mag block	Concealed behind plaster walls and ceilings on all floors; N. Penthouse; Mech. Room 300	120 lf +
Contaminated soil in crawlspaces	Crawlspaces in basement	6,551 sf
12" vinyl floor tile and black mastic	Basement, 1st floor, and 2nd floor	13,790 sf
Fire Doors	Basement, 1st floor, 2nd floor, and 3rd floor	6 doors
Exterior window glazing & caulking	Windows in basement, 1st, and 2nd floors	199 windows
Exterior tar on downspouts	Exterior downspouts	3 ea.
Transite wall sheets	North Penthouse	348 sf
Black adhesive above windows	Basement and 1st floor	23 windows

Building 5: No asbestos containing materials are present in this building.

Building 6

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation mud fittings on fiberglass insulated pipes	Rooms 101 and 102 (including inside univents)	20 fittings
Exterior window glazing & caulking	All windows and doors	16 windows 4 doors
Exterior tar roof overhang	W. entry to Shop 104	6 lf
Sink undercoating	Shops 104 and 105	2 sinks

Building 7

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation	Brine room 102	1 lf
Tar/asphalt on drain pipe at floor	Storage 105	20 lf
Window caulking (exterior)	All exterior metal windows on upper level	12 window units
Sink undercoating	Boiler room 100	1 sink

Building 8

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mag block	Elevator lobby 100 ceiling plenum	2 lf
9" & 12" vinyl floor tile and black mastic	Basement and 1st floor	5,350 sf
Fire Doors	1st and 2nd floors	11 doors
Exterior window glazing & caulking	Basement, 1st and 2nd floors	63 windows
Black adhesive on walls	Basement and 1st floors above ceilings	60 sf

Building 9

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mud fittings on fiberglass insulated lines	Basement and 1st floors above ceilings	18 ea.
12" vinyl floor tile and black mastic	Basement, 1st floor, and 2nd floors	8,820 sf
Fire Doors	Basement, 1st floor, 2nd floor	9 doors
Exterior window caulking	Basement, 1st and 2nd floors	76 windows
Exterior tar on downspouts	Exterior downspouts	7 ea.
Cove base adhesive/mastic	Basement, 1st floor, 2nd floor	540 lf

Building 10

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
12" vinyl floor tile and black mastic	Basement Room 1	143 sf
Door caulking (exterior)	All exterior entry doors	8 doors
Paper in light fixture	Bathroom 202	1 fixture

Building 11

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Door caulking (exterior)	All exterior entry doors	3 doors
Window glazing	West entry/stairs	28 windows

Building 13

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation	Sub-floor pit in closet of Room 2	2 lf
Exterior window glazing	N. window of room 2	1 window

Building 14

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
12" vinyl floor tile and black mastic	S.E. entry hallway	244 sf
Window glazing	West entry/stairs	2 windows

Building 28

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mag. Block	Basement, 1st, 2nd floor and attic	130 lf +
Contaminated soil in crawlspace	Crawlspace in basement under corridor	20 sf
12" vinyl floor tile and black mastic	Basement, 1st floor, and 2nd floors	12,760 sf
Fire Doors	Basement, 1st floor, 2nd floors	8 doors
Transite inside convectors under windows	1st floor and 2nd floors	1,920 sf

Building 29

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mag. Block	Basement, 2nd floor, and attic	240 lf +
12" vinyl floor tile and black mastic	Basement and 2nd floors	2,120 sf
Window frame caulk (exterior)	Basement, 1st floor, 2nd floors	224 windows
Fire Doors	Basement, 1st floor, 2nd floors	6 doors
Transite inside convectors under windows	1st floor and 2nd floor	1,050 sf
Cove base adhesive/mastic	Storage Room 152	6 lf

Building 30: No asbestos containing materials are present in this building.

Building 32: No asbestos containing materials are present in this building.

Building 37: No asbestos containing materials are present in this building.

Building 48

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mag block	Concealed behind plaster walls and ceilings in Basement and 1st Floor	1,510 lf +
9" & 12" vinyl floor tile and black mastic	Basement, 1st floor, and 2nd floor	2,260 sf
Fire Doors	Basement, 1st floor, and 2nd floors	15 doors
Window glazing & caulking	Windows in Basement, 1st, and 2nd floors	100 windows
Exterior vent caulking	Exterior vents/grilles	11 vents
Exterior brick seam caulk	Exterior brick seams	16 seams
Duct seam caulk	Attic	1 duct

Building 49

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mag block	Concealed behind plaster walls and ceilings on all floors; N. Penthouse; Mech. Room 300	420 lf+
Contaminated soil in crawlspaces	Crawlspace in sub-basement	16,625 sf
12” vinyl floor tile and black mastic	Basement	4,510 sf
Fire Doors	Basement	3 doors
Exterior door frame caulk	1st floor	1 door
2x4 lay-in ceiling tiles	Basement – S.E. wing	1,436 sf
Vent caulk	Basement S. entry	11 vents
Brown duct sealant/mastic	1st and 2nd floor above ceilings	20 lf
Black sink undercoating	Basement Room 9	1 sink
Black tar wall waterproofing	Basement Room 8, 9C, and 36A	460 sf

Building 50

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mag block	Concealed behind plaster walls and ceilings on all floors; Attic	1,380 lf+
Contaminated soil in crawlspace	South Crawlspace	9,210 sf
12” vinyl floor tile and black mastic	Basement	460 sf
Fire Doors	Basement, 1st, and 2nd floors	18 doors
Transite inside convectors under windows	Basement, 1st, and 2nd floors	1,545 sf
Duct sealant/mastic	2nd floor above ceilings in N. wing	30 sf

Building 51

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mag block	Concealed behind plaster walls and ceilings in basement and 1st floors	110 lf+
Contaminated soil in crawlspace	Sub-Basement crawl space	16,625 sf
12” vinyl floor tile and black mastic	Basement and 1st floor	708 sf
Fire Doors	Basement, 1st, and 2nd floors	15 doors
Transite inside convectors under windows	Basement, 1st, and 2nd floors	792 sf
Paper inside electrical switch box	Basement hallway	1 sf
Glue pods for 12” ceiling tile	1st floor nurse station	32 sf
Caulking on exterior brick walls	1st and 2nd floors	48 lf

Building 54

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation – Mud fittings on fiberglass	Metal shops 107 and 108	12 fittings
12" vinyl floor tile and black mastic	Room 106, corridor 105, Office 102, and garage 103	602 sf
Black sink undercoating	Break room 106	1 sink

Building 57: No asbestos containing materials are present in this building.

Building 59

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
12" vinyl floor tile and black mastic	Basement locker and bathrooms 1, 3, 8, and 9, 1st floor, and 2nd floor	2,260 sf
Fire Doors	Basement and 1st floor stairwells	3 doors
Door frame caulk	Basement & 1st floor entry doors	2 doors
Exterior vent caulking	Exterior vents/grilles	11 vents
Exterior window glazing and caulking	Basement & 1st floor windows	31 windows
Vibration dampening cloths on ducts	1st floor laundry room 101	4 each.

Building 69: No asbestos containing materials are present in this building.

Building 87: No asbestos containing materials are present in this building.

Building 88

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
9" & 12" vinyl floor tile and black mastic	Ground floor	3,634 sf
Fire Doors	Ground floor corridor	3 doors
Exterior window glazing	Ground floor windows	13 windows
Exterior expansion joint caulk	Exterior brick expansion joints	32 lf

Building 91

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Fire door	Entry door	1 door

Building 92

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe penetration hole filler	Northwest side of building exterior	1 sf
Black sink undercoating	Kitchen area	1 sink
Window frame caulk	All windows	20 windows

Building 93

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Black sink undercoating	Kitchen area	1 sink

Building 94: No asbestos containing materials are present in this building.

Building 95

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Brown duct seam sealant	Above ceiling tiles on 1st floor	~220 lf

Building 96

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Black sink undercoating	Kitchen	2 sinks
Window frame caulk	Windows	29 windows

Building 97: No asbestos containing materials are present in this building.

Building 99: No asbestos containing materials are present in this building.

Building 100: No asbestos containing materials are present in this building.

Building 103: No asbestos containing materials are present in this building.

Building 104: No asbestos containing materials are present in this building.

Building 105: No asbestos containing materials are present in this building.

Building 106: No asbestos containing materials are present in this building.

Building 107: No asbestos containing materials are present in this building.

Building 108: No asbestos containing materials are present in this building.

Building 109: No asbestos containing materials are present in this building.

Building 110: No asbestos containing materials are present in this building.

Connecting Corridors

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Window glazing	Windows	163 windows
Window frame caulk	Windows	163 windows
Exterior brick expansion joint caulking	Exterior of corridors	424 lf
Black tar on gutter downspouts	Exterior of corridors for 2-4	46 lf
Mastic under floor tile	50-51 sunroom	558 sf
Door frame caulk	Corridor for 49-51	5 doors

Tunnels

Asbestos Containing Materials	Locations (refer to drawings & database for exact locations)	Quantity
Pipe insulation mud fittings on fiberglass pipe	Tunnel between boiler house and Building 4	13 fittings
Contaminated soil in crawlspace	Crawl between 48-49; 29-48; 29-3; N. of 2	3,400 sf

4.0 Explanation of Assessment of Asbestos Containing Materials

Re-inspection protocol is based on the Asbestos Hazard Emergency Response Act (AHERA), Environmental Protection Act's (EPA's) revised Asbestos Model Accreditation Plan (MAP) mandated by the Asbestos School Hazard Abatement Reauthorization Act (ASHARA), and the Department of Veterans Affairs (VA) Directive 7700. The tabular listing included in this report contains Building Number, Floor, Room Number, Material Category (i.e., TSI, SM or MM), Material Type, quantity, a numerical priority ranking, condition, potential for damage, potential for human exposure, drawing number, hazard ranking, recommended response action and associated cost estimate for implementation of those response actions.

The material assessment categories of the ACM identified in the building is formatted in the following order for the summary tables enclosed in this report:

- Material Category - Surfacing Material (SUR); Thermal System Insulation (TSI); Miscellaneous (MM)
- Material Type - Friable (F); Non-Fable (NF)
- Condition of Material - Good; Fair; Poor
- Potential for Damage - Low; Medium; High
- Physical Assessment - Low; Medium; High
- Recommended Response Action - 1 through 7

Material category is the type of material such as surfacing material (SUR), thermal system insulation (TSI), and miscellaneous (MM)

- Surfacing Material (SUR) - Surfacing ACM means surfacing material that is ACM. Surfacing material means material in a school building that is sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

- Thermal System Insulation (TSI) - Thermal system insulation ACM means thermal system insulation that is ACM. Thermal system insulation means material in a school building applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

- Miscellaneous (MM) - Miscellaneous ACM means miscellaneous material that is ACM Miscellaneous material means interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

Material type refers to the hardness of a material to be crumbled, pulverized, or reduced to powder by hand pressure as friable (F), and includes previously non-friable (NF) material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized, or reduced to powder by hand pressure.

- Condition of Material - Good; Fair; Poor
- Potential for Damage - Low; Medium; High
- Physical Assessment - Low; Medium; High

Seven Categories define in the AHERA regulation one of which must be assigned to each friable surfacing and miscellaneous ACBM and each asbestos-containing TSI during the inspection/re-inspection.

1. Damaged or significantly damaged TSI ACBM - Damaged or significantly damaged thermal system insulation ACM means thermal system insulation ACM on pipes, boilers, tanks, ducts, and other thermal

system insulation equipment where the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water-stained, gouged, punctured, missing, or not intact such that it is not able to contain fibers. Damage may be further illustrated by occasional punctures, gouges or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris originating from the ACBM in question may also indicate damage.

2. Damaged friable surfacing ACBM - Damaged friable surfacing ACM means friable surfacing ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or which has delaminated such that its bond to the substrate (adhesion) is inadequate, or which, for any other reason, lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

3. Significantly damaged friable surfacing ACBM - Significantly damaged friable surfacing ACM means damaged friable surfacing ACM in a functional space where the damage is extensive and severe.

4. Damaged or significantly damaged friable miscellaneous ACBM - Damaged friable miscellaneous ACM means friable miscellaneous ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or, if applicable, which has delaminated such that its bond to the substrate (adhesion) is inadequate or which for any other reason lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

5. ACBM with Potential for Damage - Potential damage means circumstances in which:
(1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.
(2) There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

6. ACBM with potential for significant damaged - Potential significant damage means circumstances in which:
(1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.
(2) There are indications that there is a reasonable likelihood that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

7. Any remaining friable ACBM or Friable Suspected ACBM

5.0 EXPLANATION OF REMEDIATION COST ESTIMATES

All remediation cost (removal and repair) estimates are based upon RS Means data. Since RS Means does not account for work in VA Medical Centers, all cost estimates are adjusted to reflect the VA specific requirements for abatement. In addition, the cost estimates reflect the quantity and location of the asbestos materials. For example, abatement work in crawl spaces is expected to be much costlier than work in more accessible areas of building. Also, the costs for each material in each building are intended to be for "stand alone" projects and the combination of areas for removal will reduce the costs due to an economy of scale.

6.0 CONCLUSION/RECOMMENDATIONS

An operations and maintenance (O&M) program has been developed by the VAMC specifically for the positively identified ACBM in the facilities. Any renovation/demolition work which may impact these positive materials should be conducted in accordance with the O&M program and all applicable Federal, state, and local regulations by appropriately trained and VA-approved personnel and contractors. Since demolition was not performed as part of the inspection work at the facilities, certain areas such as pipe chases and areas above fixed permanent ceilings, fire-door interiors, and vault/safe wall and door linings were not inspected or tested. Prior to renovation and alteration work which could impact these areas, Castle Hill recommends that exploratory demolition be performed and a qualified inspector be utilized to examine the areas and collect samples as needed. Castle Hill recommends sampling of roofing materials and electrical components (not specifically examined as part of this survey) if renovation activities are planned which may disturb these materials.

Respectfully Submitted:

Brett L. Brumbaugh, REPA, CESCO
State of Minnesota Asbestos Inspector
License Number 3303004018

TABLE 1
LIST OF ACRONYMS

ACBM	Asbestos Containing Building Material
ACM	Asbestos Containing Material
AHERA	Asbestos Hazard Emergency Response Act
AIHA	American Industrial Hygiene Association
CAA	Clean Air Act
CFR	Code of Federal Regulations
EPA	United States Environmental Protection Agency
HazCom	Hazard Communication
HEPA	High Efficiency Particulate Air Filter
HVAC	Heating, Ventilation, and Air Conditioning
MISC	Miscellaneous Asbestos Containing Material
NESHAP	National Emission Standards for Hazardous Air Pollutants
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Standards and Technology
NOB	Non-friable Organically Bound
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PAT	AIHA Proficiency Analytical Testing Program
PCM	Phase Contrast Microscopy
PEL	Permissible Exposure Limit
PLM	Polarized Light Microscopy
TEM	Transmission Electron Microscopy
TSCA	Toxic Substances Control Act
TSI	Thermal Systems Insulation
Castle Hill	Castle Hill Associates, LLC
VA	United States Department of Veterans Affairs
VAMC	VA Medical Center
XRD	X-Ray Diffraction

TABLE 2
ASBESTOS REMOVAL PRIORITY PROTOCOLS

AHERA CATEGORY	RESPONSE ACTION RECOMMENDATION
Significantly Damaged	Evacuate or isolate the area. Remove or repair if feasible. O&M for all friable ACM.
Damaged with potential for significant damage	Evacuate or isolate the area. Remove, encapsulate, or repair if feasible. O&M for all friable ACM.
Damaged with potential for damage	Remove, encapsulate, or repair. O&M for all friable ACM.
Damaged	Remove, encapsulate, or repair. O&M for all friable ACM.
Potential for significant damage	Take steps to reduce potential for damage. O&M for all friable ACM.
Potential for damage	O&M for all friable ACM.
No problem	O&M for all friable ACM.

APPENDIX A

Asbestos Quantities, Assessments, & Remediation Cost Estimates

CASTLE HILL

APPENDIX A: VA PROJECT NUMBER 656-21-235 ST CLOUD EHRM INFRASTRUCTURE UPGRADES

ST. CLOUD VA MEDICAL CENTER
BUILDING BY BUILDING ASBESTOS SUMMARY

BLDG	No Asbestos	Floor Tile and Mastic	Floor Tile Mastic Only	Convector Insulation or Transite	Fire Doors	Window Glazing	Window Caulk	Door Caulk	Pipe Insulation	Contam. Soil	Sink Undercoating	Wall Adhesive	Rain Leader Tar	Ceiling Tile Adh.	Base Cove Adh.	Duct Seam Caulk	Vib. Damp. Cloth	Ceiling Panels	Wall Water-proof	Elev. Brakes	Roof Tar	Lab Counter	Light Liner	Transite Panels	Electrical Box Paper	Misc. Exterior Caulks
1		X	X		X				X	X			X													X
2					X			X	X	X		X	X													
3		X	X	X	X		X		X			X										X				
4		X	X		X	X	X		X	X		X	X	X						X				X		
5	X																									
6						X	X	X	X		X										X					
7						X			X		X															
8		X	X		X	X	X		X			X														
9			X		X		X		X				X													
10		X						X															X			
11						X		X																		
13						X			X																	
14		X				X																				
28		X	X	X	X				X	X																
29		X	X	X			X		X						X											
30	X																									
32	X																									
37						X																				
48		X	X		X	X			X							X										X
49		X	X		X			X	X	X	X					X		X	X							X
50		X	X	X	X				X	X						X										
51			X	X					X	X				X											X	X
54			X	X					X		X															
57	X																									
59			X		X	X	X										X									
69	X																									
87	X																									
88		X	X		X	X																				X
91					X																					
92							X				X															X
93											X															
94	X																									
95																X										
96						X					X															
97	X																									
99	X																									
100	X																									
103	X																									
104	X																									
105	X																									
106	X																									
107	X																									
108	X																									
109	X																									
110	X																									
Corridors			X			X	X	X					X													X
Tunnels									X	X																

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 1

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
Bsmt	Room 5C	1	Fittings	TSI	1 Fitting	10	Good	7	$60	
Bsmt	Room 12A Entry	34, 35	Floor Tile and Mastic	Misc	66 SF	0	Good	NF	$330	
Bsmt	Room 16	62	Fire Door	Misc	1 Door	0-8	Good	NF	$100	
Bsmt	Room 25	66	Pipe Insulation Inside Wall	TSI	1 LF	9	Good	7	$20	
Bsmt	Room 25	1	Fittings	TSI	4 Fittings	10	Good	7	$240	
Bsmt	Room 26 Stairs	62	Fire Door	Misc	1 Door	0-8	Good	NF	$100	
Bsmt	Room 27	1	Fittings	TSI	2 Fittings	10	Good	7	$120	
Bsmt	Room 34	1	Fittings	TSI	3 Fittings	10	Good	7	$180	
Bsmt	Room 35	1	Fittings	TSI	50 Fittings	0-11	Good	7	$3,000	
Bsmt	Corridor C0C-N	1	Fittings	TSI	16 Fittings	9-11	Good	7	$960	
Bsmt	Unexcavated Crawlspace	66	Contaminated Soil	TSI	315 SF	0	Poor	1	$15,750	
Bsmt	Unexcavated Crawlspace	1	Fittings	TSI	2 Fittings	3	Good	7	$120	
1	Room 101	66	Pipe Insulation Inside Wall	TSI	20 LF	0-10	Good	7	$400	
1	Room 114 Stairs	70	Mastic	Misc	36 SF	0	Good	NF	$180	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 1

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 121 Stairs	70	Mastic	Misc	50 SF	0	Good	NF	$250	
1	Room 123	66	Pipe Insulation Inside Wall	TSI	20 LF	0-10	Good	7	$400	
1	Room 127	1	Fittings	TSI	5 Fittings	11	Good	7	$300	
1	Room 127	2,3	9" Floor Tile And Mastic	Misc	55 SF	0	Good	NF	$275	
1	Room 121 Stairs	70	Mastic	Misc	50 SF	0	Good	NF	$250	
1	Room 123	66	Pipe Insulation Inside Wall	TSI	20 LF	0-10	Good	7	$400	
1	Room 127	1	Fittings	TSI	5 Fittings	11	Good	7	$300	
1	Room 127	2,3	9" Floor Tile And Mastic	Misc	55 SF	0	Good	NF	$275	
1	Room 123	66	Pipe Insulation Inside Wall	TSI	20 LF	0-10	Good	7	$400	
1	Room 127	1	Fittings	TSI	5 Fittings	11	Good	7	$300	
1	Room 127	2,3	9" Floor Tile And Mastic	Misc	55 SF	0	Good	NF	$275	
1	Room 128	1	Fittings	TSI	7 Fittings	11	Good	7	$420	
1	Room 134 Stairs	70	Mastic Under 9"x9"	Misc	36 SF	0	Good	NF	$180	
1	Room 165 Stairs	62	Fire Door	Misc	1 Door	0-8	Good	NF	$100	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 1

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 202	66	Pipe Insulation Inside Wall	TSI	40 LF	0-10	Good	7	$800	
2	Room 218 Stairs	70	Mastic	Misc	44 SF	0	Good	NF	$220	
2	Room 218 Stairs	75,76	12"x12" Floor Tile and Mastic	Misc	50 SF	0	Good	NF	$250	
2	Room 225 Stairs	70	Mastic	Misc	50 Sf	0	Good	NF	$250	
2	Room 230C	66	Pipe Insulation Inside Wall	TSI	20 LF	0-10	Good	7	$400	
2	Room 237 Stairs	62	Fire Door	Misc	1 Door	0-8	Good	NF	$100	
2	Room 237 Stairs	70	Mastic	Misc	60 SF	0	Good	NF	$300	
2	Room 243B Stairs	62	Fire Door	Misc	1 Door	0-8	Good	NF	$100	
2	Corridor C2N	1, 66	Pipe Insulation Fittings	TSI	18 LF 4 Fittings	0-9	Good	7	$360	
3	Room 307 Stairs	1	Fittings	TSI	3 Fittings	2	Good	7	$180	
2	Corridor C2N	1, 66	Pipe Insulation Fittings	TSI	18 LF 4 Fittings	0-9	Good	7	$360	
3	Room 307 Stairs	1	Fittings	TSI	3 Fittings	2	Good	7	$180	
3	Corridor C3W	62	Fire Door	Misc	2 Doors	0-8	Good	NF	$200	
3	Room 306	62	Fire Door	Misc	1 Door	0-8	Good	NF	$100	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 1

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
Ext	Exterior	60	Black Tar on Rainleader	Misc	9 Each	0-3	Good	NF	$900	
Ext	Exterior East Side	81	Caulk on Brick Wall	Misc	675 LF	0-3	Good	NF	$450	

TOTAL COST $30,835.00

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 2

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 1	50	Wall Adhesive Above Ceiling	MISC	20 LF	9-10	Good	NF	$200	
BSMT	Corridor C0W	Assumed	Fire Door	MISC	2 Doors	0-7	Good	NF	$200	
1	Room 106	25	Pipe Insulation Behind Plaster	TSI	40 LF 4 Fittings	0-10	Good	5	$800	
1	Room 121	50	Wall Adhesive Above Ceiling	MISC	12 LF	9-10	Good	NF	$120	
1	Room 143	25	Pipe Insulation Behind Plaster	TSI	40 LF 4 Fittings	0-10	Good	5	$800	
1	Room 146	50	Wall Adhesive Above Ceiling	MISC	1 LF	9-10	Good	NF	$10	
1	Corridor C1C	Assumed	Fire Door	MISC	8 Doors	0-7	Good	NF	$800	
1	Exterior	46	Black Tar On Rain Leader	MISC	21 Each	0-3	Good	NF	$420	
2	Corridor	Assumed	Fire Door	MISC	7 Doors	0-7	Good	NF	$700	
Ext	Exterior	51	Window Caulk (old caulk)	MISC	229 Windows	0-20	Good	NF	$57,250	
BSMT	Crawlspaces	25	Contaminated Soil	MISC	9,800 SF	0	Poor	1	$490,000	

TOTAL COST $551,300.00

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 3

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 101	Assumed	Insulation Inside Convector	MISC	48 SF 4 Each	0-3	Good	NF	$2,000	
1	Room 101	53	Black Wall Adhesive	MISC	32 LF	10	Good	NF	$800	
1	Room 105	Assumed	Insulation Inside Convector	MISC	36 SF 3 Each	0-3	Good	NF	$1,500	
1	Room 105	53	Black Wall Adhesive	MISC	12 LF	10	Good	NF	$300	
1	Room 106	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
1	Room 107	Assumed	Insulation Inside Convector	MISC	24 SF 2 Each	0-3	Good	NF	$1,000	
1	Room 107	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
1	Room 110	53	Black Wall Adhesive	MISC	12 LF	10	Good	NF	$300	
1	Vestibule 111	Assumed	Insulation Inside Convector	MISC	12 SF 1 Each	0-3	Good	NF	$500	
1	Room 112	53	Black Wall Adhesive	MISC	12 LF	10	Good	NF	$300	
1	Room 120	Assumed	Insulation Inside Convector	MISC	12 SF 1 Each	0-3	Good	NF	$500	
1	Room 120	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
1	Room 121	16	Countertop	MISC	130 SF	3	Good	NF	$700	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 3

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
			Black							
1	Room 121	12,13	12"x12" Floor Tile and Mastic	MISC	360 SF	0	Good	NF	$1,800	
1	Room 121	Assumed	Insulation Inside Convector	MISC	36 SF 3 Each	0-3	Good	NF	$1,500	
1	Room 121	53	Black Wall Adhesive	MISC	28 LF	10	Good	NF	$700	
1	Room 121A	16	Countertop Black	MISC	20 SF	3	Good	NF	$200	
1	Room 121A	12,13	12"x12" Floor Tile and Mastic	MISC	64 SF	0	Good	NF	$320	
1	Room 122	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
1	Corridor C1F	Assumed	Insulation Inside Convector	MISC	12 SF 1 Each	0-3	Good	NF	$500	
1	Corridor C1A	Assumed	Insulation Inside Convector	MISC	12 SF 1 Each	0-3	Good	NF	$500	
1	Corridor C1A	53	Black Wall	MISC	4 LF	10	Good	NF	$100	
1	Corridor C1A	Assumed	Fire Doors	MISC	1 Door	0-7	Good	NF	$100	
1	Corridor C1C	Assumed	Fire Doors	MISC	1 Door	0-7	Good	NF	$100	
1	Corridor C1E	53	Black Wall Adhesive	MISC	12 LF	10	Good	NF	$300	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 3

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 205	1,2	Floor Tile & Mastic Under Carpet	MISC	336 SF	0	Good	NF	$1,680	
2	Room 205	53	Black Wall Adhesive	MISC	8 LF	10	Good	NF	$200	
2	Room 205A	1,2	Floor Tile & Mastic Under Carpet	MISC	144 SF	0	Good	NF	$720	
2	Room 205A	53	Black Wall Adhesive	MISC	16 LF	10	Good	NF	$800	
2	Room 205B	1,2	Floor Tile & Mastic Under Carpet	MISC	184 SF	0	Good	NF	$920	
2	Room 205B	53	Black Wall Adhesive	MISC	8 LF	10	Good	NF	$200	
2	Stair 206	Assumed	Insulation Inside Convector	MISC	12 SF 1 Each	0-3	Good	NF	$500	
2	Corridor 207	1,2	Floor Tile & Mastic Under Carpet	MISC	192 SF	0	Good	NF	$960	
2	Corridor 207	53	Black Wall Adhesive	MISC	4 LF	0-3	Good	NF	$100	
2	Room 207A	2	Mastic under Carpet	MISC	120 SF	0	Good	NF	$600	
2	Room 207A	53	Black Wall Adhesive	MISC	44 LF	10	Good	NF	$1,800	
2	Room 207B	2	Mastic under Carpet	MISC	168 SF	0	Good	NF	$840	
2	Room 207B	53	Black Wall	MISC	4 LF	10	Good	NF	$100	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 3

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
			Adhesive							
2	Room 207C	53	Black Wall Adhesive	MISC	36 LF	10	Good	NF	$1,500	
2	Room 208	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
2	Room 209	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
2	Room 210	2	Mastic under Carpet	MISC	130 SF	0	Good	NF	$650	
2	Room 210	53	Black Wall Adhesive	MISC	20 LF	10	Good	NF	$300	
2	Room 211	2	Mastic under Carpet	MISC	228 SF	0	Good	NF	$1,140	
2	Room 211	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
2	Room 211A	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
2	Room 212	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
2	Room 213	1,2	Floor Tile & Mastic Under Carpet	MISC	88 SF	0	Good	NF	$440	
2	Room 213	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
2	Room 213A	1,2	Floor Tile & Mastic Under Carpet	MISC	400 SF	0	Good	NF	$2,000	
2	Room 213A	53	Black Wall Adhesive	MISC	36 LF	10	Good	NF	$1,500	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 3

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 213B	1,2	Floor Tile & Mastic Under Carpet	MISC	100 SF	0	Good	NF	$500	
2	Room 213B	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
2	Room 213C	1,2	Floor Tile & Mastic Under Carpet	MISC	100 SF	0	Good	NF	$500	
2	Room 213C	42	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
2	Alcove 214	Assumed	Insulation Inside Convector	MISC	12 SF 1 Each	0-3	Good	NF	$500	
2	Room 215	53	Black Wall Adhesive	MISC	8 LF	10	Good	NF	$200	
2	Room 215A	53	Black Wall Adhesive	MISC	4 LF	10	Good	NF	$100	
2	Room 215B	53	Black Wall Adhesive	MISC	8 LF	10	Good	NF	$200	
2	Corridor C2C	1,2	Floor Tile & Mastic Under Carpet	MISC	710 SF	0	Good	NF	$3,550	
2	Corridor C2C	Assumed	Fire Door	MISC	2 Doors	0-7	Good	NF	$200	
Exterior	Exterior Windows	50	Window Caulk	MISC	78 Window	0-25	Good	NF	$19,500	

TOTAL COST $57,420.00

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 3

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 4

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 8	3,4	Floor Tile and Mastic	MISC	340 SF	0	Good	NF	$1,700	
BSMT	Room 9	3,4	Floor Tile and Mastic	MISC	160 SF	0	Good	NF	$800	
BSMT	Room 10	3,4	Floor Tile and Mastic	MISC	185 SF	0	Good	NF	$925	
BSMT	Room 11	3,4	Floor Tile and Mastic	MISC	27 SF	0	Good	NF	$135	
BSMT	Room 12	3,4	Floor Tile and Mastic	MISC	440 SF	0	Good	NF	$2,200	
BSMT	Room 12A	3,4	Floor Tile and Mastic	MISC	115 SF	0	Good	NF	$575	
BSMT	Room 13	3,4	Floor Tile and Mastic	MISC	300 SF	0	Good	NF	$1,500	
BSMT	Room 14	3,4	Floor Tile and Mastic	MISC	48 SF	0	Good	NF	$240	
BSMT	Room 15 Stairs	61	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 16	3,4	Floor Tile and Mastic	MISC	192 SF	0	Good	NF	$960	
BSMT	Room 21	5,6	Floor Tile and Mastic	MISC	150 SF	0	Good	NF	$750	
BSMT	Room 21A	1,2	Floor Tile and Mastic	MISC	452 SF	0	Good	NF	$2,260	
BSMT	Room 21C	5,6	Floor Tile and Mastic	MISC	95 SF	0	Good	NF	$475	
BSMT	Room 22 Stairs	61	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Corridor C0N	1,2	Floor Tile and Mastic	MISC	940 SF	0	Good	NF	$4,700	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 4

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 102	17,18	Floor Tile and Mastic	MISC	150 SF	0	Good	NF	$750	
1	Room 106	17,18	Floor Tile and Mastic	MISC	112 SF	0	Good	NF	$560	
1	Room 109	17,18	Floor Tile and Mastic	MISC	50 SF	0	Good	NF	$250	
1	Room 112A	1,2	Floor Tile and Mastic	MISC	18 SF	0	Good	NF	$90	
1	Room 112B	1,2	Floor Tile and Mastic	MISC	28 SF	0	Good	NF	$140	
1	Room 114B	6	Mastic Under Carpet	MISC	710 SF	0	Good	NF	$3,550	
1	Room 114B	45	Mastic On Walls	MISC	660 SF	11-May	Good	NF	$3,300	
1	Room 114B	48	Pipe Insulation Behind Plaster	TSI	20 LF	0-10	Good	5	$400	
1	Room 115	64	Mastic Under 12" Tile	MISC	72 SF	0	Good	NF	$360	
1	Room 116	48	Pipe Insulation (behind plaster)	TSI	30 LF Assumed	0-10	Good	5	$600	
1	Room 116	48	Pipe Insulation (horizontal runs)	TSI	13 LF 2 Ftgs	0	Good	5	$260	
1	Room 120A	3,4	Floor Tile and Mastic	MISC	134 SF	0	Good	NF	$670	
1	Room 120C	3,4	Floor Tile and Mastic	MISC	130 SF	0	Good	NF	$650	
1	Room 120D	3,4	Floor Tile and Mastic	MISC	130 SF	0	Good	NF	$650	
1	Room 120E	3,4	Floor Tile and Mastic	MISC	130 SF	0	Good	NF	$650	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 4

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 120F	3,4	Floor Tile and Mastic	MISC	130 SF	0	Good	NF	$650	
1	Room 120G	3,4	Floor Tile and Mastic	MISC	130 SF	0	Good	NF	$650	
1	Room 120H	3,4	Floor Tile and Mastic	MISC	67 SF	0	Good	NF	$335	
1	Room 120I	5,6	Floor Tile and Mastic	MISC	460 SF	0	Good	NF	$2,300	
1	Room 120J	5,6	Floor Tile and Mastic	MISC	130 SF	0	Good	NF	$650	
1	Room 120K	5,6	Floor Tile and Mastic	MISC	130 SF	0	Good	NF	$650	
1	Room 120L	5,6	Floor Tile and Mastic	MISC	130 SF	0	Good	NF	$650	
1	Room 120M	5,6	Floor Tile and Mastic	MISC	23 SF	0	Good	NF	$115	
1	Room 121A	48	Pipe Insulation (behind plaster)	TSI	10 LF Assumed	0-10	Good	5	$200	
1	Room 123A	61	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	Room 124	11,12	Floor Tile and Mastic	MISC	375 SF	0	Good	NF	$1,875	
1	Room 124	48	Pipe Insulation (behind plaster)	TSI	10 LF Assumed	0-10	Good	5	$200	
1	Room 124A	11,12	Floor Tile and Mastic	MISC	18 SF	0	Good	NF	$90	
1	Room 125	11,12	Floor Tile and Mastic	MISC	46 SF	0	Good	NF	$230	
1	Room 126	48	Pipe Insulation (behind plaster)	TSI	10 LF	0-10	Good	5	$200	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 4

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 126A	11,12	Floor Tile and Mastic	MISC	124 SF	0	Good	NF	$620	
1	Room 126A	48	Pipe Insulation (behind plaster)	TSI	20 LF Assumed	0-10	Good	5	$400	
1	Room 129	48	Pipe Insulation (behind plaster)	TSI	140 LF Assumed	0-10	Good	5	$2,800	
1	Corridor 120	5,6	Floor Tile and Mastic	MISC	445 SF	0	Good	NF	$2,225	
1	Corridor C1E	1,2	Floor Tile and Mastic	MISC	210 SF	0	Good	NF	$1,050	
1	Cooridor C1E	61	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 200 Stairs	61	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 201	22	Mastic Under Carpet	MISC	190 SF	0	Good	NF	$950	
2	Room 202	22	Mastic Under Carpet	MISC	190 SF	0	Good	NF	$950	
2	Room 203	22	Mastic Under Carpet	MISC	160 SF	0	Good	NF	$800	
2	Room 203 Closets	21,22	Floor Tile and Mastic	MISC	28 SF	0	Good	NF	$140	
2	Room 204	22	Mastic Under Carpet	MISC	165 SF	0	Good	NF	$825	
2	Room 204 Closet	21,22	Floor Tile and Mastic	MISC	14 SF	0	Good	NF	$70	
2	Room 205	22	Mastic Under Carpet	MISC	350 SF	0	Good	NF	$1,750	
2	Room 205 Closet	21,22	Floor Tile and Mastic	MISC	28 SF	0	Good	NF	$140	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 4

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 206	22	Mastic Under Carpet	MISC	190 SF	0	Good	NF	$950	
2	Room 208	22	Mastic Under Carpet	MISC	190 SF	0	Good	NF	$950	
2	Room 209	22	Mastic Under Carpet	MISC	160 SF	0	Good	NF	$800	
2	Room 209 Closet	21,22	Floor Tile and Mastic	MISC	28 SF	0	Good	NF	$140	
2	Room 210	22	Mastic Under Carpet	MISC	175 SF	0	Good	NF	$875	
2	Room 210 Closet	21,22	Floor Tile and Mastic	MISC	28 SF	0	Good	NF	$140	
2	Room 212	22	Mastic Under Carpet	MISC	160 SF	0	Good	NF	$800	
2	Room 212 Closet	21,22	Floor Tile and Mastic	MISC	28 SF	0	Good	NF	$140	
2	Room 212A	26	Mastic under 12" Tile	MISC	13 SF	0	Good	NF	$65	
2	Room 214	21,22	Floor Tile and Mastic	MISC	190 SF	0	Good	NF	$950	
2	Room 215	22	Mastic Under Carpet	MISC	175 SF	0	Good	NF	$800	
2	Room 215 Closet	21,22	Floor Tile and Mastic	MISC	14 SF	0	Good	NF	$140	
2	Room 216	22	Mastic Under Carpet	MISC	175 SF	0	Good	NF	$800	
2	Room 217	22	Mastic Under Carpet	MISC	180 SF	0	Good	NF	$900	
2	Room 218	21,22	Floor Tile and Mastic	MISC	165 SF	0	Good	NF	$825	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 4

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 218 Closet	21,22	Floor Tile and Mastic	MISC	14 SF	0	Good	NF	$70	
2	Room 219	22	Mastic Under Carpet	MISC	190 SF	0	Good	NF	$950	
2	Room 220	21,22	Floor Tile and Mastic	MISC	290 SF	0	Good	NF	$1,450	
2	Room 221	22	Mastic Under Carpet	MISC	190 SF	0	Good	NF	$950	
2	Room 222 West Half	21,22	Floor Tile and Mastic	MISC	348 SF	0	Good	NF	$1,740	
2	Room 222 East Half	22	Mastic Under Carpet	MISC	256 SF	0	Good	NF	$1,280	
2	Room 222 Closet	21,22	Floor Tile and Mastic	MISC	16 SF	0	Good	NF	$80	
2	Room 223	22	Mastic Under 12" Tile	MISC	170 SF	0	Good	NF	$850	
2	Room 223A	26	Mastic Under 12" Tile	MISC	32 SF	0	Good	NF	$160	
2	Room 223B	22	Mastic Under Carpet	MISC	295 SF	0	Good	NF	$1,475	
2	Room 225	22	Mastic Under Carpet	MISC	410 SF	0	Good	NF	$2,050	
2	Room 228	26	Mastic Under 12" Tile	MISC	32 SF	0	Good	NF	$160	
2	Room 229	22	Mastic Under Carpet	MISC	190 SF	0	Good	NF	$950	
2	Room 230	22	Mastic Under Carpet	MISC	190 SF	0	Good	NF	$950	
2	Room 231	22	Mastic Under Carpet	MISC	175 SF	0	Good	NF	$875	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 4

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 231 Closet	21,22	Floor Tile and Mastic	MISC	14 SF	0	Good	NF	$70	
2	Room 232	22	Mastic Under Carpet	MISC	175 SF	0	Good	NF	$875	
2	Room 232 Closet	21,22	Floor Tile and Mastic	MISC	14 SF	0	Good	NF	$70	
2	Room 233	22	Mastic Under Carpet	MISC	170 SF	0	Good	NF	$850	
2	Room 233 Closet	21,22	Floor Tile and Mastic	MISC	14 SF	0	Good	NF	$70	
2	Room 234	22	Mastic Under 12" Tile	MISC	210 SF	0	Good	NF	$1,050	
2	Room 234 Closet	21,22	Floor Tile and Mastic	MISC	5 SF	0	Good	NF	$25	
2	Room 251 Stairs	61	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Corridor C2C	22	Mastic Under Carpet	MISC	1,735 SF	0	Good	NF	$8,675	
EXT	Exterior	57	Black Tar On Rain Leader	MISC	3 Each	0	Good	NF	$300	
EXT	Exterior	58	Window Caulk	MISC	199 Windows	4	Good	NF	$49,750	
EXT	Exterior	71,74,76	Window Glazing	MISC	203 Windows	4	Good	NF	$20,300	
EXT	Exterior	57	Black Tar On Rain Leader	MISC	3 Each	0	Good	NF	$300	
EXT	Exterior	58	Window Caulk	MISC	205 Windows	4	Good	NF	$51,250	
EXT	Exterior	71,74,76	Window Glazing	MISC	205 Windows	4	Good	NF	$20,500	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 4

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Crawlspaces	48	Contaminated Soil	TSI	6,551 SF	0	Good	NF	$327,000	
BSMT	Basement North Side	72	Black Adhesive Above Windows	MISC	6 Windows	7-8	Good	NF	$1,200	
1	First Floor Select Areas	72	Black Adhesive Above Windows	MISC	17 Windows	7-8	Good	NF	$3,400	

TOTAL COST $561,165

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 6

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Exterior	8	Window Caulk	MISC	16 Windows	0-8	Good	NF	$4,800	
1	Exterior	8	Door caulk	MISC	1 door	0-6	Good	NF	$300	
1	Room 101	14	LPS Pipe Fittings	TSI	4	8	Poor	1	$400	
1	Room 102	14	LPS Pipe Fittings	TSI	16	8	Good	5	$1,500	
1	Electrical 105	17	Sink Undercoating	MISC	1 Sink	3	Poor	NF	$200	
1	Carpetner 104	18	Sink Undercoating	MISC	1 Sink	3	Good	NF	$200	
1	Exterior East Side	24	Window Glazing	MISC	2 Windows	0-8	Poor	NF	$500	
1	Exterior West Side	25	Roof Overhang Tar	MISC	6 Feet	8	Good	NF	$120	

TOTAL COST $8,020

SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
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MISC = miscellaneous

AHERA Category
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3 = significantly damaged friable surfacing ACM
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5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 7

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 100	37	Sink Undercoating	MISC	1 sink	3	Good	NF	$100	
1	Room 102	12	Pipe Insulation	TSI	4 LF	8	Good	5	$200	
1	Room 105	12	Pipe Insulation Debris West Side	TSI	2 SF	0-8	Good	1	$250	
1	Room 105	34	Pipe Insulation/Tar	TSI	30 LF	0	Good	5	$1,500	
1	Room 109	40	Pipe Insulation	TSI	20 LF	0	Good	5	$2,000	
1	Exterior	11	Window Glazing	MISC	12 windows	0-20	Good	NF	$3,000	

TOTAL COST $7,050

LF = linear feet
SF = square feet
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MATL. TYPE
TSI = thermal system insulation
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MISC = miscellaneous

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2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
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6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 8

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 2	11	9"x9" Floor Tile and Mastic	MISC	360 SF	0	Good	NF	$1,800	
BSMT	Room 2	Assumed	Fire Door	MISC	1 door	0-6	Good	NF	$100	
BSMT	Corridor 3	Assumed	Fire Door	MISC	2 doors	0-6	Good	NF	$200	
BSMT	Room 12	4	Floor Tile Mastic	MISC	2,465 SF	0	Good	NF	$12,325	
BSMT	Room 12A	4	Floor Tile Mastic	MISC	15 SF	0	Good	NF	$75	
BSMT	Room 14	Assumed	Fire Door	MISC	1 door	0-6	Good	NF	$100	
1	Corridor 100	32	Pipe Insulation Aircell	TSI	2 LF	10	Good	5	$100	
1	Corridor 100 Lobby	Assumed	Fire Door	MISC	1 door	0-6	Good	NF	$100	
1	Corridor 102	4	Floor Tile Mastic	MISC	605 SF	0	Good	NF	$3,025	
1	Corridor 102	Assumed	Fire Door	MISC	5 doors	0-6	Good	NF	$500	
1	Corridor 105	4	Mastic Under Carpet	MISC	130 SF	0	Good	NF	$650	
1	Room 106	4	Mastic Under Carpet	MISC	177 SF	0	Good	NF	$885	
1	Room 106	42	Black Wall Adhesive	MISC	10 SF	10	Good	NF	$200	
1	Room 107	4	Mastic Under Carpet	MISC	110 SF	0	Good	NF	$550	
1	Room 107	42	Black Wall Adhesive	MISC	5 SF	10	Good	NF	$100	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 8

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 108	4	Mastic Under Carpet	MISC	300 SF	0	Good	NF	$1,500	
1	Room 108	42	Black Wall Adhesive	MISC	15 SF	10	Good	NF	$300	
1	Room 108A	4	Mastic Under Carpet	MISC	100 SF	0	Good	NF	$500	
1	Room 108A	42	Black Wall Adhesive	MISC	10 SF	10	Good	NF	$200	
1	Room 109	4	Mastic Under Carpet	MISC	430 SF	0	Good	NF	$2,150	
1	Room 109	42	Black Wall Adhesive	MISC	20 SF	10	Good	NF	$400	
1	Room 112	16	12"x12" Floor Tile and Mastic	MISC	1,810 SF	0	Good	NF	$5,430	
1	Room 112	Assumed	Fire Door	MISC	2 doors	0-6	Good	NF	$200	
1	Room 115	11	9"x9" Floor Tile and Mastic	MISC	182 SF	0	Good	NF	$910	
1	Room 116	4	Floor Tile Mastic	MISC	96 SF	0	Good	NF	$480	
EXT	Exterior	39,67	Window Caulk	MISC	40 wiindows	0-40	Good	NF	$12,000	
EXT	Exterior	58,66	Window Glazing	MISC	63 windows	0-6	Good	NF	$6,300	

TOTAL COST $51,080

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 8

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
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6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 9

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	ROOM 4 OFFICE	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
BSMT	ROOM 6 CLEAN LINEN	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
BSMT	ROOM 8	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
BSMT	ROOM 8	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
BSMT	ROOM 9	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
BSMT	ROOM 9	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
BSMT	ROOM 10	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
BSMT	ROOM 11	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
BSMT	ROOM 11	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
BSMT	ROOM 13	4	MASTIC	MISC	280 SF	0	Good	NF	$1,400	
BSMT	ROOM 13	18	ADHESIVE	MISC	25 LF	0	Good	NF	$250	
BSMT	ROOM 13A	4	MASTIC	MISC	112 SF	0	Good	NF	$560	
BSMT	ROOM 13A	18	ADHESIVE	MISC	44 LF	0	Good	NF	$440	
BSMT	ROOM 13B	4	MASTIC	MISC	140 SF	0	Good	NF	$700	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 9

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	ROOM 13C	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
BSMT	ROOM 15	34	MUDDED FITTINGS	TSI	6 EACH	8	3-Good, 1-Fair, 1-Poor	7 1,1	$570	
BSMT	CORRIDOR C0C	4	MASTIC	MISC	684 SF	0	Good	NF	$3,420	
BSMT	CORRIDOR C0C	32	FIREDOOR CORE	MISC	1 DOOR	0-7	Good	NF	$100	
BSMT	CORRIDOR C0C	18	ADHESIVE	MISC	140 LF	0	Good	NF	$1,400	
1	ROOM 100 LOBBY	4	MASTIC	MISC	300 SF	0	Good	NF	$1,500	
1	ROOM 100 LOBBY	18	ADHESIVE	MISC	55 LF	0	Good	NF	$550	
1	ROOM 100A	4	MASTIC	MISC	62 SF	0	Good	NF	$310	
1	ROOM 101 LOUNGE	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 100B CLOSET	4	MASTIC	MISC	15 SF	0	Not Checked	NF	$75	
1	ROOM 104	4	MASTIC	MISC	140 SF	0	Not Checked	NF	$700	
1	ROOM 104	18	ADHESIVE	MISC	3 LF	0	Not Checked	NF	$30	
1	ROOM 105	34	MUDDED FITTINGS	TSI	3 EACH	10	2-Good 1-Fair	7, 1	$285	
1	ROOM 105	4	MASTIC	MISC	140 SF	0	Good	NF	$700	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 9

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	ROOM 105	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 106	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 106	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 106	34	MUDDED FITTINGS	TSI	3 EACH	10	Good	7	$285	
1	ROOM 109	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 109	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 110 UNDER STAIRS	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 111	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 111	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 111	34	MUDDED FITTINGS	TSI	3 EACH	10	Good	7	$300	
1	ROOM 112	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 112	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 112	34	MUDDED FITTINGS	TSI	3 EACH	10	Good	7	$300	
1	ROOM 113	4	MASTIC	MISC	140 SF	0	Good	NF	$700	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 9

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	ROOM 113	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 114	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 114	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 115	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 115	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 116	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 116	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 117	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 117	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 118	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 118	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 119	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 119	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 120	4	MASTIC	MISC	140 SF	0	Good	NF	$700	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 9

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	ROOM 120	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 121	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 121	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
1	ROOM 122	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
1	ROOM 124	4	MASTIC	MISC	200 SF	0	Good	NF	$1,000	
1	CORRIDOR C1C	4	MASTIC	MISC	600 SF	0	Good	NF	$3,000	
1	CORRIDOR C1C	18	ADHESIVE	MISC	160 LF	0	Good	NF	$1,600	
1	CORRIDOR C1C	32	FIREDOOR CORE	MISC	5 DOORS	0-7	Good	NF	$500	
2	ROOM 200	4	MASTIC	MISC	168 SF	0	Good	NF	$840	
2	ROOM 200	18	ADHESIVE	MISC	15 LF	0	Good	NF	$150	
2	ROOM 201	4	MASTIC	MISC	66 SF	0	Good	NF	$330	
2	ROOM 202 TOP OF STAIRS	4	MASTIC	MISC	65 SF	0	Good	NF	$325	
2	ROOM 203	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 203	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 9

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	ROOM 204	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 204	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 205	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 205	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 208	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 208	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 209 TOP OF STAIRS	4	MASTIC	MISC	45 SF	0	Good	NF	$225	
2	ROOM 210	4	MASTIC	MISC	140 SF	0	Not Checked	NF	$700	
2	ROOM 210	18	ADHESIVE	MISC	3 LF	0	Not Checked	NF	$30	
2	ROOM 211	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 211	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 212	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 212	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 213	4	MASTIC	MISC	140 SF	0	Good	NF	$700	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 9

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	ROOM 213	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 214	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 214	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 215	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 215	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 216	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 216	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 217	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 217	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 218	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 218	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 219	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 219	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 220	4	MASTIC	MISC	140 SF	0	Good	NF	$700	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 9

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	ROOM 220	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 221	4	MASTIC	MISC	140 SF	0	Good	NF	$700	
2	ROOM 221	18	ADHESIVE	MISC	3 LF	0	Good	NF	$30	
2	ROOM 223	4	MASTIC	MISC	124 SF	0	Good	NF	$620	
2	ROOM 223	18	ADHESIVE	MISC	15 LF	0	Good	NF	$150	
2	CORRIDOR C2C	4	MASTIC	MISC	696 SF	0	Good	NF	$3,480	
2	CORRIDOR C2C	18	ADHESIVE	MISC	180 LF	0	Good	NF	$1,800	
2	CORRIDOR C2C	32	FIREDOOR CORE	MISC	9 DOORS	0-7	Good	NF	$900	
EXT.	EXTERIOR	29	WINDOW CAULK	MISC	76 Windows	3-20	Poor	NF	$22,800	
EXT.	EXTERIOR	31	RAINLEADER/ DOWNSPOUT TAR	MISC	7 Each	2	Good	NF	$700	

TOTAL COST	$79,215

LF = linear feet
SF = square feet
NF = non-friable

MATL. TYPE

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
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3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 9

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED

TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 10

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 1	1,2	Floor tile and mastic	MISC	143 SF	0	Good	NF	$715	
1	Exterior	14,32	Door caulk	MISC	8 doors	0-8	Good	NF	$3,200	
2	Bath 202	27	Light fixture liner	MISC	1 SF	8	Good	5	$200	

TOTAL COST $4,115

LF = linear feet
SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

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ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 11

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Exterior	9	Window glazing White	MISC	28 windows	0-35	Good	NF	$5,600	
1	Exterior	18	Door caulk	MISC	3 doors	0-8	Good	NF	$1,200	

TOTAL COST $6,800

LF = linear feet
SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 13

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 2 Storage Room	13	Pipe Insulation	TSI	2 LF	-2	Good	5	$1,000	
1	Exterior	17	Window Glazing	MISC	1 window	5	Good	NF	$100	

TOTAL COST $1,100

LF = linear feet
SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

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ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 14

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	SE Warehouse Hallway	3,4	12"x12" Floor Tile & Mastic	MISC	244 SF	0	Fair	NF	$1,220	
1	Exterior West Entry	15	Window Glazing	MISC	2 Windows	6	Fair	NF	$200	

TOTAL COST	$1,420

LF = linear feet
SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 3 Stairs	7	Mastic Under 12" Floor Tile	MISC	90 SF	0	Good	NF	$450	
BSMT	Room 3 Stairs	Assumed	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 5	53	Mastic Under Carpet & Floor Tile	MISC	90 SF	0	Good	NF	$450	
BSMT	Room 6	53	Mastic Under Carpet & Floor Tile	MISC	115 SF	0	Good	NF	$575	
BSMT	Room 12	53	Mastic Under Carpet & Filler	MISC	130 SF	0	Good	NF	$650	
BSMT	Room 13	53	Mastic Under Carpet & Floor Tile	MISC	100 SF	0	Good	NF	$500	
BSMT	Room 31	7	Mastic Under Carpet & Floor Tile	MISC	160 SF	0	Good	NF	$800	
BSMT	Room 32	7	Mastic Under Carpet & Floor Tile	MISC	140 SF	0	Good	NF	$700	
BSMT	Room 33	7	Mastic Under Carpet & Floor Tile	MISC	165 SF	0	Good	NF	$825	
BSMT	Room 34	7	Mastic Under Carpet & Floor Tile	MISC	390 SF	0	Good	NF	$1,950	
BSMT	Room 35	7	Mastic Under Carpet & Floor Tile	MISC	150 SF	0	Good	NF	$750	
BSMT	Room 42	53	Mastic Under Carpet & Floor Tile	MISC	115 SF	0	Good	NF	$575	
BSMT	Room 43	53	Mastic Under Carpet & Floor Tile	MISC	240 SF	0	Good	NF	$1,200	
BSMT	Room 44	53	Mastic Under Carpet & Floor Tile	MISC	115 SF	0	Good	NF	$575	
BSMT	Room 45	53	Mastic Under Carpet & Floor Tile	MISC	111 SF	0	Good	NF	$555	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 46	53	Mastic Under Carpet & Floor Tile	MISC	115 SF	0	Good	NF	$575	
BSMT	Room 47	53	Mastic Under Carpet & Floor Tile	MISC	130 SF	0	Good	NF	$650	
BSMT	Room 48	53	Mastic Under Carpet & Floor Tile	MISC	100 SF	0	Good	NF	$500	
BSMT	Room 49	53	Mastic Under Carpet & Floor Tile	MISC	95 SF	0	Good	NF	$475	
BSMT	Room 53	53	Mastic Under Carpet & Floor Tile	MISC	95 SF	0	Good	NF	$475	
BSMT	Room 54	53	Mastic Under Carpet & Floor Tile	MISC	215 SF	0	Good	NF	$1,075	
BSMT	Room 55	53	Mastic Under Carpet & Floor Tile	MISC	123 SF	0	Good	NF	$615	
BSMT	Room 56	5	Mastic Under Carpet & Floor Tile	MISC	110 SF	0	Good	NF	$550	
BSMT	Room 57	54,55	Floor Tile & Mastic Under Carpet	MISC	110 SF	0	Good	NF	$550	
BSMT	Room 58	54,55	Floor Tile & Mastic Under Carpet	MISC	110 SF	0	Good	NF	$550	
BSMT	Room 63	54,55	Floor Tile & Mastic Under Carpet	MISC	110 SF	0	Good	NF	$550	
BSMT	Room 64	54,55	Floor Tile & Mastic Under Carpet	MISC	74 SF	0	Good	NF	$370	
BSMT	Room 66 Stairs	5	Mastic Under 12" Floor Tile	MISC	90 SF	0	Good	NF	$450	
BSMT	Room 66 Stairs	Assumed	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 67	5	Mastic Under 12" Floor Tile	MISC	280 SF	0	Good	NF	$1,400	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 69	5	Mastic Under 12" Floor Tile	MISC	100 SF	0	Good	NF	$500	
BSMT	Room 70 Stairs	5	Mastic Under 12" Floor Tile	MISC	100 SF	0	Good	NF	$500	
BSMT	Room 70 Stairs	Assumed	Fire Door	MISC	2 Doors	0-7	Good	NF	$200	
BSMT	Room 72	14	Pipe Insulation In Ceiling Penetration	TSI	1 LF	12	Poor	1	$100	
BSMT	Room 72A	14	Pipe Insulation In Ceiling Penetration	TSI	2 LF	12	Poor	1	$200	
BSMT	Tunnel Near Room 72	14	Pipe Insulation Debris in Crawlspace	TSI	20 SF	0	Poor	1	$400	
BSMT	Corridor C0E North	5	Mastic Under Carpet & Floor Tile	MISC	150 SF	0	Good	NF	$2,300	
1	Room 100 Front Entry	5	Mastic Under 12" Floor Tile	MISC	176 SF	0	Good	NF	$880	
1	Room 100 Front Entry	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 101	5	Mastic Under Carpet & Floor Tile	MISC	176 SF	0	Good	NF	$880	
1	Room 101	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 102	5	Mastic Under Carpet & Floor Tile	MISC	108 SF	0	Good	NF	$540	
1	Room 102	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 103	5	Mastic Under Carpet & Floor Tile	MISC	121 SF	0	Good	NF	$605	
1	Room 103	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 104	5	Mastic Under Carpet & Floor Tile	MISC	104 SF	0	Good	NF	$520	
1	Room 104	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 105	5	Mastic Under Carpet & Floor Tile	MISC	115 SF	0	Good	NF	$575	
1	Room 105	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	
1	Room 106	5	Mastic Under Carpet & Floor Tile	MISC	115 SF	0	Good	NF	$575	
1	Room 106	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 107	5	Mastic Under Carpet & Floor Tile	MISC	115 SF	0	Good	NF	$575	
1	Room 107	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 108	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 109	56	Convector Insulation	MISC	9 Each	0-3	Good	NF	$9,000	
1	Room 110	5	Mastic Under 12" Floor Tile	MISC	300 SF	0	Good	NF	$1,500	
1	Room 110	56	Convector Insulation	MISC	3 Each	0-3	Good	NF	$3,000	
1	Room 111	5	Mastic Under 12" Floor Tile	MISC	542 SF	0	Good	NF	$2,710	
1	Room 111	14	Pipe Insulation Behind Plaster	TSI	30 LF	0-10	Good	5	$600	
1	Room 115	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 116	5	Mastic Under 12" Floor Tile	MISC	72 SF	0	Good	NF	$360	
1	Room 116	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 117	5	Mastic Under Carpet & Floor Tile	MISC	95 SF	0	Good	NF	$475	
1	Room 117	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 118	5	Mastic Under Carpet & Floor Tile	MISC	170 SF	0	Good	NF	$850	
1	Room 118	56	Convector Insulation	MISC	3 Each	0-3	Good	NF	$3,000	
1	Room 119	5	Mastic Under Carpet & Floor Tile	MISC	980 SF	0	Good	NF	$4,900	
1	Room 119	56	Convector Insulation	MISC	7 Each	0-3	Good	NF	$7,000	
1	Room 120 Stairs	5	Mastic Under 12" Floor Tile	MISC	80 SF	0	Good	NF	$400	
1	Room 120 Stairs	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 120 Stairs	Assumed	Fire Door Assumed	MISC	1 Door	0-7	Good	NF	$100	
1	Room 121	5	Mastic Under 12" Floor Tile	MISC	83 SF	0	Good	NF	$415	
1	Room 121	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 123	5	Mastic Under Carpet & Floor Tile	MISC	260 SF	0	Good	NF	$1,300	
1	Room 123	56	Convector Insulation	MISC	3 Each	0-3	Good	NF	$3,000	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 124	5	Mastic Under 12" Floor Tile	MISC	140 SF	0	Good	NF	$700	
1	Room 124	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	
1	Room 124A	5	Mastic Under 12" Floor Tile	MISC	17 SF	0	Good	NF	$85	
1	Room 125 Stairs	5	Mastic Under 12" Floor Tile	MISC	90 SF	0	Good	NF	$450	
1	Room 125 Stairs	Assumed	Fire Door Assumed	MISC	1 Door	0-7	Good	NF	$100	
1	Room 126	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	
1	Room 127	56	Convector Insulation	MISC	4 Each	0-3	Good	NF	$4,000	
1	Room 127	5	Mastic Under 12" Floor Tile	MISC	360 SF	0	Good	NF	$1,800	
1	Room 127A	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 127A	5	Mastic Under 12" Floor Tile	MISC	120 SF	0	Good	NF	$600	
1	Room 130	5	Mastic Under 12" Floor Tile	MISC	85 SF	0	Good	NF	$425	
1	Room 130	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 131	5	Mastic Under 12" Floor Tile	MISC	96 SF	0	Good	NF	$480	
1	Room 131	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 132	5	Mastic Under Carpet & Floor Tile	MISC	120 SF	0	Good	NF	$600	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 132	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	
1	Room 133	5	Mastic Under 12" Floor Tile	MISC	100 SF	0	Good	NF	$500	
1	Room 133	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 134	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 135	5	Mastic Under 12" Floor Tile	MISC	84 SF	0	Good	NF	$420	
1	Room 135	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 136 Stairs	5	Mastic Under 12" Floor Tile	MISC	85 SF	0	Good	NF	$425	
1	Room 136 Stairs	Assumed	Fire Door Assumed	MISC	1 Door	0-7	Good	NF	$100	
1	Room 136 Stairs	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 138	5	Mastic Under Carpet & Floor Tile	MISC	140 SF	0	Good	NF	$700	
1	Room 138	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	
1	Room 139	5	Mastic Under 12" Floor Tile	MISC	186 SF	0	Good	NF	$930	
1	Room 139	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	
1	Room 140	7	Mastic Under 12" Floor Tile	MISC	186 SF	0	Good	NF	$930	
1	Room 140	56	Convector Insulation	MISC	3 Each	0-3	Good	NF	$3,000	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 141	5	Mastic Under 12" Floor Tile	MISC	186 SF	0	Good	NF	$930	
1	Room 141	56	Convector Insulation	MISC	3 Each	0-3	Good	NF	$3,000	
1	Room 142	5	Mastic Under 12" Floor Tile	MISC	186 SF	0	Good	NF	$930	
1	Room 142	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	
1	Room 142A	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 143	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 144	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 147	56	Convector Insulation	MISC	11 Each	0-3	Good	NF	$11,000	
1	Room 147B	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 147C	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 148	14	Pipe Insulation Behind Plaster	TSI	30 LF	0-10	Good	5	$600	
1	Room 149	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 150	5	Mastic Under 12" Floor Tile	MISC	112 SF	0	Good	NF	$560	
1	Room 150	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 150A	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 151	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 151	5	Mastic Under 12" Floor Tile	MISC	108 SF	0	Good	NF	$540	
1	Room 152	5	Mastic Under Carpet & Floor Tile	MISC	150 SF	0	Good	NF	$750	
1	Room 152	56	Convector Insulation	MISC	2 Each	0-3	Good	NF	$2,000	
1	Room 153	5	Mastic Under Carpet & Floor Tile	MISC	108 SF	0	Good	NF	$540	
1	Room 153	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 154	5	Mastic Under Carpet & Floor Tile	MISC	165 SF	0	Good	NF	$825	
1	Room 154	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Corridor C1W	5	Mastic Under Carpet & Floor Tile	MISC	805 SF	0	Good	NF	$4,025	
1	Corridor C1C	5	Mastic Under 12" Floor Tile	MISC	1,163 SF	0	Good	NF	$5,815	
1	Corridor C1CA	5	Mastic Under 12" Floor Tile	MISC	105 SF	0	Good	NF	$525	
1	Corridor C1E	5	Mastic Under 12" Floor Tile	MISC	600 SF	0	Good	NF	$3,000	
1	Hospital Tunnel	56	Convector Insulation	MISC	1 Each	0-3	Good	NF	$1,000	
1	Room 226 Stairs	5	Mastic Under 12" Floor Tile	MISC	80 SF	0	Good	NF	$400	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 28

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Attic Penthouse	14	Pipe Insulation	TSI	4 LF 2 Fittings	0	Good	NF	$200	
1	Attic 2 E-W	14	Pipe Insulation	TSI	2 LF 3 Fittings	0	Good	NF	$200	

TOTAL COST $168,585

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 29

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 3	34,35	Pipe Insulation Inside Chase	TSI	35 LF 4 Fittings	0-8	Good	5	$700	
BSMT	Room 5	12	Mastic Under Carpet	MISC	476 SF	0	Good	NF	$2,380	
BSMT	Room 5A	12	Mastic Under Carpet	MISC	125 SF	0	Good	NF	$625	
BSMT	Corridor 5L	12	Mastic Under Carpet	MISC	400 SF	0	Good	NF	$2,000	
BSMT	Room 11 Stairwell	56	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 15	19,20	Floor Tile and Mastic	MISC	130 SF	0	Good	NF	$650	
BSMT	Room 16	19,20	Floor Tile and Mastic	MISC	60 SF	0	Good	NF	$300	
BSMT	Room 18	56	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 19	12	Mastic Under Carpet	MISC	160 SF	0	Good	NF	$800	
BSMT	Room 19A	42	Pipe Insulation Behind Plaster Wall	TSI	10 LF	0-10	Good	5	$200	
BSMT	Room 19H	42	Pipe Insulation Behind Plaster Wall	TSI	10 LF	0-10	Good	5	$200	
BSMT	Room 21	12	Mastic Under Carpet	MISC	176 SF	0	Good	NF	$880	
1	Room 100	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
1	Room 101	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 104	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 105	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
1	Room 107	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 112	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 113	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 123	56	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	Room 124	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 125	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 127	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 128	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 130	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 131	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 131A	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 132	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 133	56	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	Room 133	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 135	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 136	69	Convector	MISC	1 Each	0-3	Good	NF	$200	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
			Refractory							
1	Room 137	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 138	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
1	Room 139	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 140	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 143	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 144	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 145	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
1	Room 145A	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 147	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 149	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 153	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 154	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
1	Room 155	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
1	Room 156	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 200	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 201	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 204	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 205	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 206	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
2	Room 207	32	Mastic Under 12" Floor Tile	MISC	125 SF	0	Good	NF	$625	
2	Room 214	69	Convector Refractory	MISC	1 Each	0-3	Good	5	$200	
2	Room 216	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 218	32	Mastic Under 12" Floor Tile	MISC	100 SF	0	Good	NF	$500	
2	Room 218	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 219	32	Mastic Under 12" Floor Tile	MISC	192 SF	0	Good	NF	$960	
2	Room 219	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 220	32	Mastic Under 12" Floor Tile	MISC	192 SF	0	Good	NF	$960	
2	Room 220	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
2	Room 221	32	Mastic Under 12" Floor Tile	MISC	192 SF	0	Good	NF	$960	
2	Room 221	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 222	32	Mastic Under 12" Floor Tile	MISC	192 SF	0	Good	NF	$960	
2	Room 222	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 223	32	Mastic Under	MISC	100 SF	0	Good	NF	$500	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
			12" Floor Tile							
2	Room 223	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 224	56	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 225	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 226	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 227	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 228	34,35	Pipe Insulation Behind Plaster Wall	TSI	20 LF 3 Fittings	0-10	Good	NF	$400	
2	Room 228	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 229	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 230	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 231	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 232	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
2	Room 233	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
2	Room 234	56	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 236	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 237	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 238	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 239	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
2	Room 240	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 241	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 242	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 244	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 245	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 245A	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 249	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 250	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 251	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 252	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Room 253	69	Convector Refractory	MISC	2 Each	0-3	Good	NF	$400	
2	Room 254	69	Convector Refractory	MISC	1 Each	0-3	Good	NF	$200	
2	Corridor C2W	32	Mastic Under 12" Floor Tile	MISC	250 SF	0	Good	NF	$1,250	
2	Corridor C2NW	32	Mastic Under 12" Floor Tile	MISC	315 SF	0	Good	NF	$1,575	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Attic	42	Pipe Insulation	TSI	20 LF 8 Fittings	0-8	Good	NF	$400	
2	Exterior	57	Window Caulk	MISC	224 Windows	0-20	Good	NF	$56,000	

TOTAL COST	$90,825

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 48

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 1	1	Pipe Insulation	TSI	30 LF 6 Fittings	0-11	Good	5	$600	
BSMT	Room 1A	1	Pipe Insulation	TSI	47 LF* 12 Fittings	0-11	Good	5	$940	
BSMT	Room 1B	1	Pipe Insulation	TSI	60 LF* 9 Fittings	0-11	Good	5	$1,200	
BSMT	Room 3	1	Pipe Insulation	TSI	340 LF* 54 Fittings	0-11	Good	5	$6,800	
BSMT	Room 3B	1	Pipe Insulation	TSI	31 LF* 6 Fittings	0-11	Good	5	$620	
BSMT	Room 8	1	Pipe Insulation	TSI	50 LF	0-11	Good	5	$1,000	
BSMT	Room 8A	1	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
BSMT	Room 9	1	Pipe Insulation	TSI	44 LF* 12 Fittings	0-11	Good	5	$880	
BSMT	Room 11	1	Pipe Insulation	TSI	100 LF	0-11	Good	5	$2,000	
BSMT	Room 11A	1	Pipe Insulation	TSI	90 LF	0-11	Good	5	$1,800	
BSMT	Room 11C Stairs	22	Mastic Under 12" Floor Tile	MISC	157 SF	0	Good	NF	$785	
BSMT	Room 12	1	Pipe Insulation	TSI	70 LF	0-11	Good	5	$1,400	
BSMT	Room 14	4	Mastic Under Carpet	MISC	1,275 SF	0	Good	NF	$6,375	
BSMT	Room 17	1	Pipe Insulation	TSI	20 LF* 6 Fittings	0-11	Good	5	$400	
BSMT	Room 18	1	Pipe Insulation	TSI	20 LF* 6 Fittings	0-11	Good	5	$400	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Corridor C0C	61	Fire Door	MISC	5 Doors	0-7	Good	NF	$500	
BSMT	Corridor C0C	1	Pipe Insulation	TSI	14 LF 10 Fittings	0-11	Good	5	$280	
BSMT	Womens Locker Room	1	Pipe Insulation	TSI	30 LF* 10 Fittings	0-11	Good	5	$500	
BSMT	Break Room	1	Pipe Insulation	TSI	50 LF* 14 Fittings	0-11	Good	5	$700	
1	Room 101	1	Pipe Insulation	TSI	30 LF* 6 Fittings	0-11	Good	5	$600	
1	Room 101A	1	Pipe Insulation	TSI	65 LF* 12 Fittings	0-11	Good	5	$1,300	
1	Room 102	1	Pipe Insulation	TSI	6 LF* 4 Fittings	0-11	Good	5	$120	
1	Room 103	1	Pipe Insulation	TSI	44 LF* 14 Fittings	0-11	Good	5	$880	
1	Room 104	1	Pipe Insulation	TSI	32 LF* 6 Fittings	0-11	Good	5	$640	
1	Room 106 Hallway	11	Mastic Under Carpet & Filler	MISC	320 SF	0	Good	NF	$2,560	
1	Room 106 Hallway	1	Pipe Insulation	TSI	10 LF	0-11	Good	5	$200	
1	Room 106A	1	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
1	Room 106C	1	Pipe Insulation	TSI	40 LF	0-11	Good	5	$800	
1	Room 107	61	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	Room 108	1	Pipe Insulation	TSI	40 LF	0-11	Good	5	$800	
1	Room 109	1	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 109A	1	Pipe Insulation Inside Chase	TSI	16 LF	0-11	Good	5	$320	
1	Room 111	1	Pipe Insulation	TSI	34 LF* 6 Fittings	0-11	Good	5	$680	
1	Room 112	1	Pipe Insulation	TSI	42 LF* 12 Fittings	0-11	Good	5	$840	
1	Room 113	10,11	9" Floor Tile And Mastic	MISC	40 SF	0	Good	NF	$200	
1	Room 114	1	Pipe Insulation	TSI	12 LF	0-11	Good	5	$240	
1	Room 114	1	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
1	Room 115	1	Pipe Insulation	TSI	34 LF* 6 Fittings	0-11	Good	5	$680	
1	Room 116	1	Pipe Insulation	TSI	126 LF* 30 Fittings	0-11	Good	5	$2,520	
1	Room 117	1	Pipe Insulation	TSI	36 LF* 6 Fittings	0-11	Good	5	$720	
1	Room 118	1	Pipe Insulation	TSI	42 LF* 6 Fittings	0-11	Good	5	$840	
1	Room 119 Stairs	10,11	9" Floor Tile And Mastic	MISC	72 SF	0	Good	NF	$360	
1	Room 120	1	Pipe Insulation	TSI	60 LF* 6 Fittings	0-11	Good	5	$1,200	
1	Room 121	10,11	9" Floor Tile And Mastic	MISC	96 SF	0	Good	NF	$480	
1	Room 122	10,11	9" Floor Tile And Mastic	MISC	264 SF	0	Good	NF	$1,320	
1	Room 122	1	Pipe Insulation	TSI	97 LF* 15 Fittings	0-11	Good	5	$1,940	
1	Room 123	10,11	9" Floor Tile And Mastic	MISC	40 SF	0	Good	NF	$200	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 124	1	Pipe Insulation	TSI	200 LF* 36 Fittings	0-11	Good	5	$4,000	
1	Room 124A	1	Pipe Insulation	TSI	50 LF	0-11	Good	5	$1,000	
1	Room 124B	10,11	9" Floor Tile And Mastic	MISC	32 SF	0	Good	NF	$175	
1	Room 124C Stairs	22	Mastic Under 12" Floor Tile	MISC	140 SF	0	Good	NF	$700	
1	Room 125	1	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
1	Room 127	10,11	9" Floor Tile And Mastic	MISC	50 SF	0	Good	NF	$250	
1	Room 128	10,11	9" Floor Tile And Mastic	MISC	84 SF	0	Good	NF	$420	
1	Room 128	1	Pipe Insulation	TSI	8 LF* 4 Fittings	0-11	Good	5	$160	
1	Room 129	10,11	9" Floor Tile And Mastic	MISC	120 SF	0	Good	NF	$600	
1	Room 129	1	Pipe Insulation	TSI	30 LF* 6 Fittings	0-11	Good	5	$600	
1	Room 130	1	Pipe Insulation	TSI	60 LF* 6 Fittings	0-11	Good	5	$1,200	
1	Room 131 Stairs	10,11	9" Floor Tile And Mastic	MISC	72 SF	0	Good	NF	$360	
1	Room 132	10,11	9" Floor Tile And Mastic	MISC	154 SF	0	Good	NF	$770	
1	Room 132	1	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
1	Room 133	10,11	9" Floor Tile And Mastic	MISC	132 SF	0	Good	NF	$660	
1	Room 133	1	Pipe Insulation	TSI	34 LF* 6 Fittings	0-11	Good	5	$680	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 134	4	Mastic Under 12" Floor Tile	MISC	572 SF	0	Good	NF	$2,860	
1	Room 134	1	Pipe Insulation	TSI	140 LF* 30 Fittings	0-11	Good	5	$2,800	
1	Room 135	10,11	9" Floor Tile And Mastic	MISC	132 SF	0	Good	NF	$660	
1	Room 135	1	Pipe Insulation	TSI	34 LF* 6 Fittings	0-11	Good	5	$680	
1	Room 137	1	Pipe Insulation	TSI	80 LF 6 Fittings	0-11	Good	5	$900	
1	Room 140	1	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
1	Room 141	1	Pipe Insulation	TSI	40 LF	0-11	Good	5	$800	
1	Room 142	1	Pipe Insulation	TSI	30 LF 5 Fittings	0-11	Good	5	$600	
1	Room 142	1	Pipe Insulation	TSI	90 LF	0-11	Good	5	$1,800	
1	Room 143	1	Pipe Insulation	TSI	38 LF 6 Fittings	0-11	Good	5	$760	
1	Room 143	1	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
1	Room 147	1	Pipe Insulation	TSI	72 LF* 24 Fittings	0-11	Good	5	$1,440	
1	Room 148	1	Pipe Insulation	TSI	4 LF 4 Fittings	0-11	Good	5	$80	
1	Room 148A	1	Pipe Insulation	TSI	28 LF* 6 Fittings	0-11	Good	5	$560	
1	Room 149	4	Mastic Under 12" Floor Tile	MISC	201 SF	0	Good	NF	$1,005	
1	Room 149	1	Pipe Insulation	TSI	28 LF* 6 Fittings	0-11	Good	5	$560	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 149 Bath	10,11	9" Floor Tile And Mastic	MISC	30 SF	0	Good	NF	$600	
1	Room 149 Bath	1	Pipe Insulation	TSI	30 LF* 6 Fittings	0-11	Good	5	$600	
1	Corridor C1C	10,11	9" Floor Tile And Mastic	MISC	1,065 SF	0	Good	NF	$5,325	
1	Corridor C1C	61	Fire Door	MISC	4 Doors	0-7	Good	NF	$400	
1	Corridor C1E	10,11	9" Floor Tile And Mastic	MISC	399 SF	0	Good	NF	$1,995	
1	Corridor C1W	1	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 207	61	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 216 NW Stairs	32	Mastic Under 12" Floor Tile	MISC	72 SF	0	Good	NF	$360	
2	Room 221	32	Mastic Under 12" Floor Tile	MISC	54 SF	0	Good	NF	$270	
2	Room 227	32	9" Floor Tile And Mastic	MISC	300 SF	0	Good	NF	$1,500	
2	Room 229 Stairs	32	Mastic Under 12" Floor Tile	MISC	72 SF	0	Good	NF	$360	
2	Room 233A	32	Mastic Under 12" Floor Tile	MISC	24 SF	0	Good	NF	$120	
2	Room 234	32	Mastic Under 12" Floor Tile	MISC	36 SF	0	Good	NF	$180	
2	Room 242	32	Mastic Under 12" Floor Tile	MISC	192 SF	0	Good	NF	$960	
2	Room 245 Stairs	22	Mastic Under 12" Floor Tile	MISC	190 SF	0	Good	NF	$950	
2	Corridor Near Room 215	32	Mastic Under 12" Floor Tile	MISC	210 SF	0	Good	NF	$1,050	

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Corridor C2C	32	Mastic Under 12" Floor Tile	MISC	695 SF	0	Good	NF	$3,475	
2	Corridor C2C	61	Fire Door	MISC	5 Doors	0-7	Good	NF	$500	
All	Exterior	57	Window Caulk Tan	MISC	100 Windows	0	Good	NF	$18,513	
All	Exterior	71	Window Glazing (interior side)	MISC	100 Windows	0	Good	NF	$18,513	
B	Exterior	Assumed	Vent Caulk Tan	MISC	11 Vents	0	Good	NF	$550	
B	Exterior - at walkway tie-ins	82	Brick Seam Caulk	MISC	16 KF	0-4	Good	NF	$400	
Attic	Attic East Side	78	Duct Seam Sealant (black)	MISC	5 SF	0-9	Good	NF	$250	

* = Material assumed to be present.

TOTAL COST $135,071

LF = linear feet
SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 49

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 1	20	Pipe Insulation Behind Plaster	TSI	20 LF* 4 ftgs	0-11	Good	5	$400	
BSMT	Room 2A	9,10	Floor Tile and Mastic	MISC	275 SF	0	Good	NF	$1,375	
BSMT	Room 2A	20	Pipe Insulation Behind Plaster Wall	TSI	20 LF* 4 ftgs	0-11	Good	5	$400	
BSMT	Room 2	20	Pipe Insulation Behind Plaster	TSI	40 LF* 8 ftgs	0-11	Good	5	$800	
BSMT	Room 4	20	Pipe Insulation In Concrete Wall	TSI	10 LF* 2 ftgs	0-11	Good	5	$200	
BSMT	Room 5	9,10	Floor Tile and Mastic	MISC	1,500 SF	0	Good	NF	$7,500	
BSMT	Room 5	20	Pipe Insulation In Concrete Wall	TSI	40 LF* 8 ftgs	0-11	Good	5	$800	
BSMT	Room 6 Stairs	50	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 8	9,10	Floor Tile and Mastic	MISC	1,320 SF	0	Good	NF	$6,600	
BSMT	Room 8	20	Pipe Insulation Behind Plaster Wall	TSI	100 LF* 16 ftgs	0-11	Good	5	$2,000	
BSMT	Room 8	61	Waterproofing on Wall	MISC	80 SF	0-4	Good	NF	$1,600	
BSMT	Room 9	20	Pipe Insulation Behind Plaster	TSI	20 LF* 4 ftgs	0-11	Good	5	$400	
BSMT	Room 9	46	Sink Sound Deadener	MISC	1 Sink	3	Good	NF	$200	
BSMT	Room 9A	20	Pipe Insulation Behind Plaster	TSI	30 LF* 6 ftgs	0-11	Good	5	$600	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 49

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 9B	1	Pipe Insulation Behind Plaster	TSI	30 LF* 6 ftgs	0-11	Good	5	$600	
BSMT	Room 9C	61	Waterproofing on Wall	MISC	40 SF	0-4	Good	NF	$800	
BSMT	Room 10 Stairs	50	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 11	56	Mastic Under Carpet	MISC	155 SF	0	Good	NF	$775	
BSMT	Room 11A	56	Mastic Under Carpet	MISC	350 SF	0	Good	NF	$1,750	
BSMT	Room 11A	20	Pipe Insulation Behind Plaster	TSI	20 LF* 4 ftgs	0-11	Good	5	$400	
BSMT	Room 12	9,10	Floor Tile and Mastic	MISC	40 SF	0	Good	NF	$200	
BSMT	Room 12	60	2'x4' Ceiling Panel	MISC	55 SF	8	Good	5	$220	
BSMT	Room 13	56	Mastic Under Carpet	MISC	112 SF	0	Good	NF	$560	
BSMT	Room 14	56	Mastic Under Carpet	MISC	65 SF	0	Good	NF	$325	
BSMT	Room 14A	9,10	Floor Tile & Mastic Under Carpet	MISC	160 SF	0	Good	NF	$800	
BSMT	Room 14B	56	Mastic Under Carpet	MISC	96 SF	0	Good	NF	$480	
BSMT	Room 15	9,10	Floor Tile and Mastic	MISC	275 SF	0	Good	NF	$1,375	
BSMT	Room 15	20	Pipe Insulation Behind Plaster	TSI	20 LF* 4 ftgs	0-11	Good	5	$400	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 49

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 16	20	Pipe Insulation Behind Plaster	TSI	20 LF* 4 ftgs	0-11	Good	5	$400	
BSMT	Room 18	60	2'x4' Ceiling Panel	MISC	110 SF	8	Good	5	$440	
BSMT	Room 19	60	2'x4' Ceiling Panel	MISC	110 SF	8	Good	5	$440	
BSMT	Room 20	60	2'x4' Ceiling Panel	MISC	110 SF	8	Good	5	$440	
BSMT	Room 21	60	2'x4' Ceiling Panel	MISC	110 SF	8	Good	5	$440	
BSMT	Room 22	60	2'x4' Ceiling Panel	MISC	120 SF	8	Good	5	$480	
BSMT	Room 23	60	2'x4' Ceiling Panel	MISC	120 SF	8	Good	5	$480	
BSMT	Room 23	54,55	Mastic Under Carpet	MISC	120 SF	0	Good	NF	$600	
BSMT	Room 24	60	2'x4' Ceiling Panel	MISC	120 SF	8	Good	5	$480	
BSMT	Room 24	54,55	Mastic Under Carpet	MISC	120 SF	0	Good	NF	$600	
BSMT	Room 25	60	2'x4' Ceiling Panel	MISC	120 SF	8	Good	5	$480	
BSMT	Room 25A	60	2'x4' Ceiling Panel	MISC	8 SF	8	Good	5	$32	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 49

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 26	60	2'x4' Ceiling Panel	MISC	120 SF	8	Good	5	$480	
BSMT	Room 26A	60	2'x4' Ceiling Panel	MISC	8 SF	8	Good	5	$32	
BSMT	Room 27	60	2'x4' Ceiling Panel	MISC	100 SF	8	Good	5	$400	
BSMT	Room 28	60	2'x4' Ceiling Panel	MISC	70 SF	8	Good	5	$280	
BSMT	Room 29	60	2'x4' Ceiling Panel	MISC	120 SF	8	Good	5	$480	
BSMT	Room 32	20	Pipe Insulation Behind Plaster	TSI	4 LF 4 ftgs	0-11	Good	5	$200	
BSMT	Room 36A	61	Waterproofing on Wall	MISC	60 SF	0-4	Good	NF	$1,200	
BSMT	Room 36B	61	Waterproofing on Wall	MISC	160 SF	0-4	Good	NF	$3,200	
BSMT	Corridor C0C	20	Pipe Insulation Behind Plaster	TSI	22 LF* 4 ftgs	0-11	Good	5	$440	
BSMT	Corridor C0C	50	Fire Door	MISC	1 Door	0-7	Good	5	$100	
BSMT	Corridor C0NE	20	Pipe Insulation Behind Plaster	TSI	40 LF* 8 ftgs	0-11	Good	5	$400	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 49

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Corridor C0NE	20	Pipe Insulation Above Plaster Ceil	TSI	5 LF 4 ftgs	0-11	Poor	1	$200	
BSMT	Corridor C0NE	50	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	SE Corridor	65	Duct Seam Sealant Brown	MISC	5 SF	8-10	Good	NF	$500	
1	SW Corridor	65	Duct Seam Sealant Brown	MISC	5 SF	8-10	Good	NF	$500	
2	SE Corridor	65	Duct Seam Sealant Brown	MISC	5 SF	8-10	Good	NF	$500	
2	SW Corridor	65	Duct Seam Sealant Brown	MISC	5 SF	8-10	Good	NF	$500	
CRAWL	Crawlspace	69	Contaminated Soil	TSI	16,625 SF	0	Good	1	$650,000	
EXT	Exterior	71	Vent Caulk	MISC	11 Vents	3	Good	NF	$550	
EXT	Exterior	74	Door Caulk	MISC	30 LF	0-8	Good	NF	$300	

* = Material assumed to be present.

TOTAL COST $697,434

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 49

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED

LF = linear feet
SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 2	9AA	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
BSMT	Room 2 Hall	9AA	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
BSMT	Room 2 Hall	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 4C	1993-5,6	Floor Tile and Mastic	MISC	120 SF	0	Good	NF	$600	
BSMT	Room 5	9AA	Pipe Insulation	TSI	33 LF 11 Fittings	0-11	Good	5	$660	
BSMT	Room 7	9AA	Pipe Insulation	TSI	246 LF 4 Fittings	0-11	Good	5	$4,920	
BSMT	Room 8	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
BSMT	Room 8	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 9	1993-5,6	12" Floor Tile & Mastic under Carpet	MISC	150 SF	0	Good	NF	$750	
BSMT	Room 10	21A	Pipe Insulation	TSI	228 LF 9 Fittings	0-11	Good	5	$4,560	
BSMT	Room 10A	21A	Pipe Insulation	TSI	9 LF	0-11	Good	5	$180	
BSMT	Room 10B	21A	Pipe Insulation	TSI	20 LF 6 Fittings	0-11	Good	5	$400	
BSMT	Room 11	1993-5,6	12" Floor Tile & Mastic under Carpet	MISC	182 SF	0	Good	NF	$910	
BSMT	Room 11	21A	Pipe Insulation	TSI	20 LF 6 Fittings	0-11	Poor	1	$400	
BSMT	Room 11B	21A	Pipe Insulation	TSI	20 LF 6 Fittings	0-11	Good	5	$400	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Room 13	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
BSMT	Room 13	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 15	1993-5,6	Floor Tile and Mastic	MISC	81 SF	0	Good	NF	$405	
BSMT	Room 15B	1993-5,6	Floor Tile and Mastic	MISC	27 SF	0	Good	NF	$135	
BSMT	Room 20	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Corridor C0N	9AA	Pipe Insulation	TSI	4 LF 4 Fittings	0-11	Good	5	$80	
BSMT	Corridor C0C	21AA	Fire Door	MISC	2 Doors	0-7	Good	NF	$200	
BSMT	Corridor C0S	9AA	Pipe Insulation	TSI	10 LF 8 Fittings	0-11	Poor	1	$200	
1	Room 101	20AA	Transite in Convector	MISC	14 SF 1 Each	0-3	Good	NF	$280	
1	Room 101	9AA	Pipe Insulation	TSI	11 LF Assumed	0-11	Good	5	$220	
1	Room 104	20AA	Transite in Convector	MISC	58 SF 5 Each	0-3	Good	NF	$1,160	
1	Room 104	9AA	Pipe Insulation	TSI	99 LF	0-11	Good	5	$1,980	
1	Room 107	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 107	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 108	20AA	Transite in Convector	MISC	20 SF 2 Each	0-3	Good	NF	$400	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 108	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 110	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 111	20AA	Transite in Convector	MISC	22 SF 2 Each	0-3	Good	NF	$440	
1	Room 111	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 112	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
1	Room 112	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 113	20AA	Transite in Convector	MISC	32 SF 3 Each	0-3	Good	NF	$640	
1	Room 113	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 114	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
1	Room 114	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 120	20AA	Transite in Convector	MISC	20 SF 2 Each	0-3	Good	NF	$400	
1	Room 120	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 121	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
1	Room 121	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 122	20AA	Transite in Convector	MISC	30 SF 3 Each	0-3	Good	NF	$600	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 122	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 123	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 123	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 128	20AA	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
1	Room 128	9AA	Pipe Insulation	TSI	44 LF	0-11	Good	5	$880	
1	Room 132	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 132	9AA	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
1	Room 133A	9AA	Pipe Insulation	MISC	30 LF 4 Fittings	0-11	Good	5	$600	
1	Room 133	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
1	Room 133	9AA	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
1	Room 134	20AA	Transite in Convector	MISC	30 SF 3 Each	0-3	Good	NF	$600	
1	Room 134	9AA	Pipe Insulation	TSI	44 LF	0-11	Good	5	$880	
1	Room 135	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
1	Room 135	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 136	20AA	Transite in Convector	MISC	60 SF 6 Each	0-3	Good	NF	$1,200	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 136	9AA	Pipe Insulation	TSI	88 LF	0-11	Good	5	$1,760	
1	Room 138	20AA	Transite in Convector	MISC	30 SF 3 Each	0-3	Good	NF	$600	
1	Room 138	9AA	Pipe Insulation	TSI	44 LF	0-11	Good	5	$880	
1	Room 139	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 140	9AA	Pipe Insulation	TSI	32 LF Assumed	0-11	Good	5	$640	
1	Room 140	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	Room 144	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
1	Room 144	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 147	20AA	Transite in Convector	MISC	25 SF 2 Each	0-3	Good	NF	$500	
1	Room 147	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 149	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 149	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 151	20AA	Transite in Convector	MISC	120 SF 10 Each	0-3	Good	NF	$2,400	
1	Room 151	9AA	Pipe Insulation	TSI	154 LF	0-11	Good	5	$3,080	
1	Room 152	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 152	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 155	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 155	9AA	Pipe Insulation	TSI	22 LF Assumed	0-11	Good	5	$440	
1	Room 156	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 159	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
1	Room 160	9AA	Pipe Insulation	TSI	32 LF Assumed	0-11	Good	5	$640	
1	Room 160	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	Room 162	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 163	20AA	Transite in Convector	MISC	30 SF 3 Each	0-3	Good	NF	$600	
1	Room 163	9AA	Pipe Insulation	TSI	44 LF	0-11	Good	5	$880	
1	Room 164	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 164	9AA	Pipe Insulation	TSI	25 LF 4 Fittings	0-11	Good	5	$500	
1	Room 165	20AA	Transite in Convector	MISC	60 SF 6 Each	0-3	Good	NF	$1,200	
1	Room 165	9AA	Pipe Insulation	TSI	88 LF	0-11	Good	5	$2,200	
1	Room 167	20AA	Transite in Convector	MISC	30 SF 3 Each	0-3	Good	NF	$600	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 167	9AA	Pipe Insulation	TSI	44 LF	0-11	Good	5	$880	
1	Room 168	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 168	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 168A	9AA	Pipe Insulation	TSI	44 LF	0-11	Good	5	$880	
1	Room 169	20AA	Transite in Convector	MISC	13 SF 1 Each	0-3	Good	NF	$260	
1	Room 169	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 170	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 170	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 173	20AA	Transite in Convector	MISC	26 SF 2 Each	0-3	Good	NF	$520	
1	Room 173	9AA	Pipe Insulation	TSI	44 LF	0-11	Good	5	$880	
1	Room 178	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Room 178	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 179	20AA	Transite in Convector	MISC	30 SF 3 Each	0-3	Good	NF	$600	
1	Room 179	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 180	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 180	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 181	20AA	Transite in Convector	MISC	20 SF 2 Each	0-3	Good	NF	$400	
1	Room 181	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 186	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
1	Room 186	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 188	20AA	Transite in Convector	MISC	30 SF 3 Each	0-3	Good	NF	$600	
1	Room 188	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 189	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
1	Room 189	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 190	20AA	Transite in Convector	MISC	20 SF 2 Each	0-3	Good	NF	$400	
1	Room 190	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 191	9AA	Pipe Insulation	TSI	22 LF Assumed	0-11	Good	5	$440	
1	Room 193	20AA	Transite in Convector	MISC	20 SF 2 Each	0-3	Good	NF	$400	
1	Room 193	9AA	Pipe Insulation	TSI	22 LF Assumed	0-11	Good	5	$440	
1	Room 194	20AA	Transite in Convector	MISC	20 SF 2 Each	0-3	Good	NF	$400	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Room 194	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Room 195	20AA	Transite in Convector	MISC	34 SF 3 Each	0-3	Good	NF	$680	
1	Corridor C1N	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Corridor C1N	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	Corridor C1S	9AA	Pipe Insulation	TSI	22 LF	0-11	Good	5	$440	
1	Corridor C1S	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 200	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 201	20AA	Transite in Convector	MISC	67 SF 5 Each	0-3	Good	NF	$1,340	
2	Room 205	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
2	Room 206	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
2	Room 207	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 208	20AA	Transite in Convector	MISC	20 SF 2 Each	0-3	Good	NF	$400	
2	Room 211	20AA	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 212	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 213	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 214	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 220	20AA	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 221	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 222	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 223	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 228	20AA	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 229	20AA	Transite in Convector	MISC	29 SF 2 Each	0-3	Good	NF	$580	
2	Room 233	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 234	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 235	20AA	Transite in Convector	MISC	14 SF 1 Each	0-3	Good	NF	$280	
2	Room 236	20AA	Transite in Convector	MISC	76 SF 6 Each	0-3	Good	NF	$1,520	
2	Room 238	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 240	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 240	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 244	20AA	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 247	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 249	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 249A	20AA	Transite in Convector	MISC	27 SF 2 Each	0-3	Good	NF	$540	
2	Room 250	20AA	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 250A	20AA	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 251	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 252	20AA	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 252A	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 255	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 256	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 259	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 260	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 260	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 262	20AA	Transite in Convector	MISC	39 SF 3 Each	0-3	Good	NF	$780	
2	Room 263	20AA	Transite in Convector	MISC	76 SF 6 Each	0-3	Good	NF	$1,520	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 264	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 265	20AA	Transite in Convector	MISC	39 SF 3 Each	0-3	Good	NF	$780	
2	Room 266	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 269	20AA	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 270	20AA	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 270A	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 278	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 279	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 280	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 281	20AA	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 286	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 288	20AA	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 289	20AA	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 290	20AA	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 293	20AA	Transite in Convector	MISC	20 SF 2 Each	0-3	Good	NF	$400	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 50

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 294	20AA	Transite in Convector	MISC	22 SF 2 Each	0-3	Good	NF	$440	
2	Room 294A	20AA	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
2	Room 295	20AA	Transite in Convector	MISC	22 SF 2 Each	0-3	Good	NF	$440	
2	Corridor C2S	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Corridor C2N	21AA	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Attic	3	Pipe Insulation	TSI	18 Fittings	0-3	Good	5	$360	
2	Corridors North Side	16-11A	Duct Seam Sealant	MISC	30 SF	9-10	Good	NF	$3,000	
SB	Crawlspace	9AA	Contaminated Soil	TSI	9,500 SF	0	Poor	1	$475,000	

TOTAL COST $576,460

LF = linear feet
SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 51

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Corridor C0W	11,18,50	Pipe Insulation	TSI	37 LF 15 Fittings	11	Good	5	$740	
BSMT	Corridor C0E	11,18,50	Pipe Insulation	TSI	16 LF 4 Fittings	11	Good	5	$320	
BSMT	Corridor C0C	57	Electrical Box Paper	MISC	6 SF	5-7	Good	5	$90	
BSMT	Corridor C0C	59	Fire Door	MISC	3 Doors	0-7	Good	NF	$300	
BSMT	Room 1	13	Floor Tile Mastic Under FT	MISC	180 SF	0	Good	NF	$900	
BSMT	Room 2	13	Floor Tile Mastic Under FT	MISC	472 SF	0	Good	NF	$2,360	
BSMT	Room 6	13	Floor Tile Mastic Under Carpet & FT	MISC	145 SF	0	Good	NF	$725	
BSMT	Room 10	59	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 10	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
BSMT	Room 16	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
BSMT	Room 16	59	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
BSMT	Room 20	11	Pipe Insulation	TSI	18 LF	9	Good	5	$360	
1	Room 119	38	Transite in Convector	MISC	30 SF 3 Each	0-3	Good	NF	$600	
1	Room 119	50	Pipe Insulation	TSI	20 LF	0-11	Good	5	$400	
1	Stairwell 122	59	Fire Door	MISC	1 Door	0-7	Good	NF	$100	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 51

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Stairwell 130	59	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	Room 131	41	Ceiling Tile Mastic (pucks)	MISC	4 SF	12	Good	NF	$120	
1	Room 132	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Stairwell 137	59	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
1	Room 141	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
1	Stairwell 146	59	Fire Door	TSI	1 Door	0-7	Good	NF	$100	
1	Room 150A	38	Transite in Convector	MISC	14 SF 1 Each	0-3	Good	NF	$280	
1	Room 163	38	Transite in Convector	MISC	35 SF 3 Each	0-3	Poor	NF	$700	
2	Room 202	38	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 204	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 205	38	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 208	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 208	59	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 209	38	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 211	38	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 51

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 212	38	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 215	59	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 216	38	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 216	41	Ceiling Tile Mastic (pucks)	MISC	4 SF	12	Good	NF	$120	
2	Room 217	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 218	38	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 233	38	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 234	38	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 235	38	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 236	38	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 237	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 238	38	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 243	38	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 246	38	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
2	Room 252	38	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 51

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 254	38	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 255	38	Transite in Convector	MISC	10 SF 1 Each	0-3	Good	NF	$200	
2	Room 259	38	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 260	38	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 261	38	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 262	38	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 263	38	Transite in Convector	MISC	15 SF 1 Each	0-3	Good	NF	$300	
2	Room 264	38	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 279	38	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 281	38	Transite in Convector	MISC	36 SF 3 Each	0-3	Good	NF	$720	
2	Room 282	59	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 285	38	Transite in Convector	MISC	39 SF 3 Each	0-3	Good	NF	$780	
2	Room 286	38	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 287	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 288	38	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 51

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
2	Room 289	59	Fire Door	MISC	1 Door	0-7	Good	NF	$100	
2	Room 292	38	Transite in Convector	MISC	24 SF 2 Each	0-3	Good	NF	$480	
2	Room 293	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 294	38	Transite in Convector	MISC	12 SF 1 Each	0-3	Good	NF	$240	
2	Room 297	38	Transite in Convector	MISC	92 SF 8 Each	0-3	Good	NF	$1,840	
2	Corridor C2C	59	Fire Door	MISC	2 Doors	0-7	Good	NF	$200	
EXT	Exterior	56	Caulk Rectangle areas	MISC	40 LF 4 Areas	10	Good	NF	$800	
EXT	Exterior	68	Caulk At walkways	MISC	8 LF 2 Areas	0-4	Good	NF	$200	
CRAWL	Crawlspace	73	Contaminated Soil	MISC	16,625 SF	0	Poor	1	$830,000	

TOTAL COST $858,555

LF = linear feet
SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 54

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Garage 103 North End	2,3	12"x12" Floor Tile & Mastic	MISC	180 SF	0	Minor Damage	NF	$900	
1	Office 102	5	Mastic Under 12"x12" Floor Tile	MISC	156 SF	0	Minor Damage	NF	$780	
1	Corridor 105	20	Mastic Under 12"x12" Floor Tile	MISC	72 SF	0	Good	NF	$360	
1	Lockers 106	20	Mastic Under 12"x12" Floor Tile	MISC	192 SF	0	Good	NF	$960	
1	Lockers 106	16	Sink Undercoating	MISC	1 Sink	2	Good	NF	$50	
1	Metal Shop 107	6	Pipe Fitting Insulation	TSI	4 Fittings	10	1 Damaged Fitting	1	$300	
1	Metal Shop 108	6	Pipe Fitting Insulation	TSI	2 Fittings	10	Good	5	$150	
1	SE Tunnel Access Pit	6	Pipe Fitting Insulation	TSI	6 Fittings	(2-4) From Tunnel Floor	Damage & Debris	1	$450	

TOTAL COST	$3,950

SF = square feet
NF = non-friable

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 59

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
BSMT	Female Bath Room 1	2	Floor Tile Mastic	MISC	130 SF	0	Good	NF	$650	
BSMT	Male Bath Room 3	2	Floor Tile Mastic	MISC	168 SF	0	Good	NF	$840	
BSMT	Male Locker Room 8	7	Floor Tile Mastic	MISC	255 SF	0	Good	NF	$1,275	
BSMT	Female Locker Room 9	4	Floor Tile Mastic	MISC	260 SF	0	Good	NF	$1,300	
1	Exterior	20	Window Glazing	MISC	31 Windows	0-20	Good	NF	$9,300	
1	Exterior	21	Window Caulk	MISC	31 Windows	0-20	Good	NF	$4,650	
1	Exterior	21	Door Caulk	MISC	2 Doors	0-8	Good	NF	$400	
1	Room 100	18	Vibration Dampening Cloth	MISC	2 Each 22 SF	15	Good	NF	$500	
1	Room 101	18	Vibration Dampening Cloth	MISC	2 Each 22 SF	15	Good	NF	$500	
1	Room 11 Stairs	Assumed	Fire Door	MISC	3 Doors	0-6	Good	NF	$300	
								TOTAL COST	**$19,715**	

MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 88

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Multi-purpose Room 102	6	Mastic	MISC	168 SF	0	Good	NF	$840	
1	Meditation Room 103	4	Mastic	MISC	72 SF	0	Good	NF	$360	
1	Chaplain Office 104	6	Mastic	MISC	120 SF	0	Good	NF	$600	
1	Chaplain Office 105	6	Mastic	MISC	120 SF	0	Good	NF	$600	
1	Chaplain Office 106	6	Mastic	MISC	132 SF	0	Good	NF	$660	
1	Vestibule 111	5	Floor Tile and Mastic	MISC	176 SF	0	Good	NF	$880	
1	Chapel Room 113	5	Floor Tile and Mastic	MISC	2,654 SF	0	Good	NF	$13,270	
1	Chapel Room 113	9	Expansion Joint Caulk	MISC	240 LF	0-25	Good	NF	$2,400	
1	Office 114	6	Mastic	MISC	192 SF	0	Good	NF	$960	
1	Corridor C10	Assumed	Fire Door	MISC	3 doors	0-7	Good	NF	$300	
1	Corridor C10	22	Expansion Joint Caulk	MISC	32 LF	0-8	Good	NF	$240	
1	Exterior	23,30	Window Glazing	MISC	13 windows	7-Mar	Good	NF	$2,600	

TOTAL COST	$23,710

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 88

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 91

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Exterior West Side	Assumed	Fire Door	MISC	1	0-7	Good	NF	$100	

TOTAL COST	$100

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 92

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Kitchen	1	Sink Undercoating	MISC	1 sink	3	Good	NF	$200	
1	Dining Area NW Corner	1	Hole Filler	MISC	<1 SF	4	Good	NF	$200	
1	Exterior	1	Window Caulk	MISC	20 Windows	4-8	Good	NF	$200	

TOTAL COST	**$600**

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 93

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Gazebo East Side	1	Sink Undercoating	MISC	1 sink	3	Good	NF	$200	

TOTAL COST	$200

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 95

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	101	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$1,000	
1	102	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$2,000	
1	102A	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$2,000	
1	103	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$2,000	
1	103A	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$1,000	
1	104	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$1,000	
1	105	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$1,000	
1	106	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$1,000	
1	108	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$1,000	
1	109	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$1,000	
1	110	13	Duct Seam Sealant (brown)	MISC	Unknown	2-12	Good	NF	$2,000	
1	111	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$1,000	
1	126	13	Duct Seam Sealant (brown)	MISC	Unknown	8-12	Good	NF	$1,000	

TOTAL COST $17,000

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 95

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
BUILDING 96

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	Kitchen 100	3	Sink Undercoating	MISC	1 sink	3	Good	NF	$200	
1	Exterior	4	Window Glazing	MISC	29 windows	4-8	Good	NF	$7,250	

TOTAL COST	$7,450

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
CONNECTING CORRIDORS

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	50-51 Sunroom	3	Mastic	MISC	538 SF	0	Good	NF	$2,690	
1	48-51 Corridors	19	Window Caulk	MISC	48 windows	5	Good	NF	$12,000	
1	49-51 Corridors	31	Window Glazing	MISC	34 windows	5	Good	NF	$3,400	
1	48-51 Corridors	16	Expansion Joint Caulk	MISC	92 LF	0-4	Good	NF	$920	
1	49-51 Corridors	18	Door Caulk	MISC	5 doors	0-7	Good	NF	$1,500	
1	29-48 Corridor	19	Window Caulk	MISC	12 windows	5	Good	NF	$3,000	
1	29-48 Corridor	16	Expansion Joint Caulk	MISC	32 LF	0-4	Good	NF	$320	
1	29-95 Corridor	19	Window Caulk	MISC	4 windows	5	Good	NF	$1,000	
1	29-95 Corridor	16	Expansion Joint Caulk	MISC	4 LF	0-4	Good	NF	$40	
1	88-95 Corridor	19	Window Caulk	MISC	4 windows	5	Good	NF	$1,000	
1	3-95 Corridor	19	Window Caulk	MISC	17 windows	5	Good	NF	$4,250	
1	3-95 Corridor	16	Expansion Joint Caulk	MISC	36 LF	0-4	Good	NF	$360	
1	3-4 Corridor	16	Expansion Joint Caulk	MISC	8 LF	0-4	Good	NF	$80	
1	2-4 Corridor	16	Expansion Joint Caulk	MISC	52 LF	0-4	Good	NF	$520	
1	2-4 Corridor	23	Caulk in Gutter	MISC	4 gutters	0	Good	NF	$400	

ASBESTOS MATERIALS RE-ASSESSMENT 2019
CONNECTING CORRIDORS

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
1	4-8/59 Corridors	19	Window Caulk	MISC	17 windows	5	Good	NF	$4,250	
1	4-8/59 Corridor	16	Expansion Joint Caulk	MISC	8 LF	0-4	Good	NF	$80	
1	2-28 Corridor	16	Expansion Joint Caulk	MISC	144 LF	0-4	Good	NF	$1,440	
1	Building 88 Corridor	N/A	Window Glazing	MISC	4 windows	5	Good	NF	$400	

TOTAL COST $37,650

LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

ASBESTOS MATERIALS RE-ASSESSMENT 2019
TUNNELS

FLOOR	FUNCTIONAL SPACE/ROOM	HOMOG. MATERIAL	MATERIAL	MATL. TYPE	QUANTITY	HEIGHT (FEET)	CONDITION	AHERA CATEGORY	REMOVAL COST	DATE ABATED
Tunnel	29-48 Tunnel	1	Contaminated Soil	TSI	980 SF	0	Poor	1	$49,000	
Tunnel	48-49 Tunnel	1	Contaminated Soil	TSI	935 SF	0	Poor	1	$46,750	
Tunnel	3-29 Tunnel	1	Contaminated Soil	TSI	1,085 SF	0	Poor	1	$54,000	
Tunnel	east-west to 59 Tunnel	6	Contaminated Soil	TSI	400 SF	0	Poor	1	$20,000	
Tunnel	Boiler House to 4 Tunnel	1	Pipe Insulation	TSI	13 fittings	6	Good	5	$780	

TOTAL COST $170,530

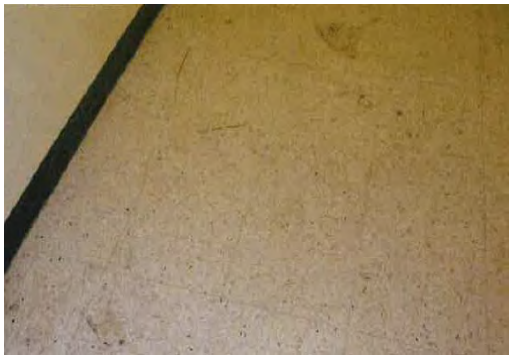
LF = linear feet
SF = square feet
NF = non-friable
MATL. TYPE
TSI = thermal system insulation
SURF = surfacing material
MISC = miscellaneous

AHERA Category
1 = damaged or significantly damaged thermal system insulation ACM
2 = damaged friable surfacing ACM
3 = significantly damaged friable surfacing ACM
4 = damaged or significantly damaged friable miscellaneous ACM
5 = ACBM with potential for damage
6 = ACBM with potential for significant damage
7 = any remaining friable ACBM or friable suspected ACBM

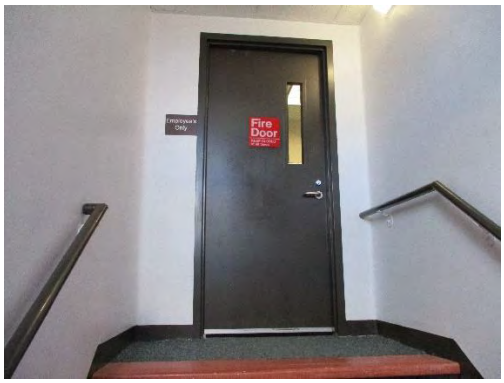
APPENDIX B

PHOTOGRAPHS OF ASBESTOS MATERIALS

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 1

Photo 1-1 Pipe insulation – Mud fittings on fiberglass insulated lines	
Photo 1-2 Contaminated soil in crawlspace	
Photo 1-3 9” vinyl floor tile and black mastic	
Photo 1-4 12” vinyl floor tile and black mastic	

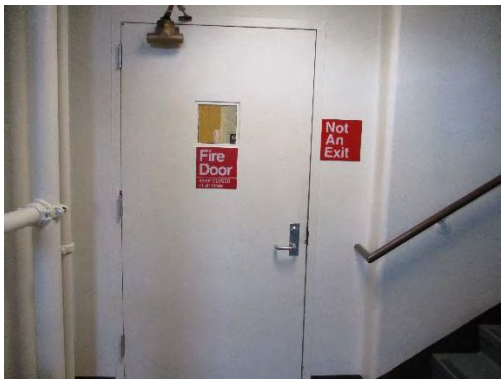
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 1

Photo 1-5 Fire Doors	
Photo 1-6 Exterior caulking on brick wall joints	
Photo 1-7 Exterior tar on downspouts	

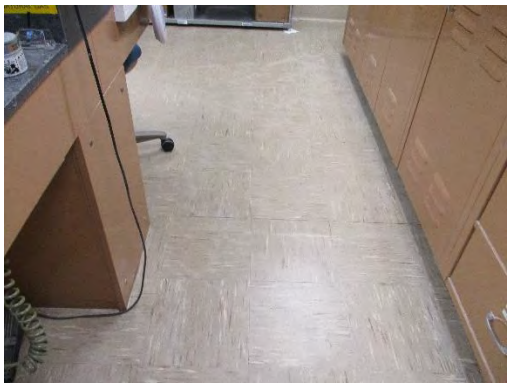
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 2

Photo 2-1 Contaminated soil in crawlspace	
Photo 2-2 Exterior window frame caulk	
Photo 2-3 Black wall waterproofing	
Photo 2-4 Exterior tar on downspouts	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 2

Photo 2-5 Fire Doors	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 3

Photo 3-1 12” vinyl floor tile and black mastic	
Photo 3-2 Fire Doors	
Photo 3-3 Exterior window caulking	
Photo 3-4 Black wall mastic above ceiling tiles on exterior walls	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 3

Photo 3-5 Transite inside convectors under windows	
Photo 3-6 Black ebony lab table tops and upper shelves	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 4

Photo 4-1 Pipe insulation – Mag block	
Photo 4-2 Contaminated soil in crawlspaces	
Photo 4-3 12” vinyl floor tile and black mastic	
Photo 4-4 Fire Doors	

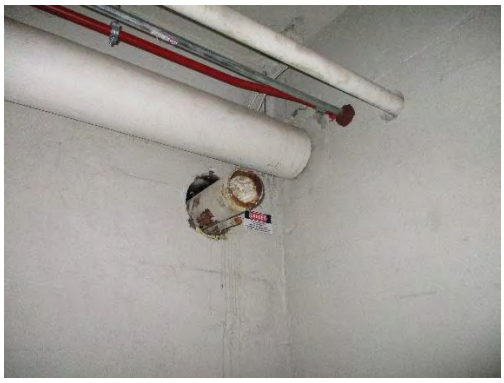
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 4

Photo 4-5 Exterior window glazing & caulking	
Photo 4-6 Exterior tar on downspouts	
Photo 4-7 Transite wall sheets	
Photo 4-8 Black adhesive above windows	

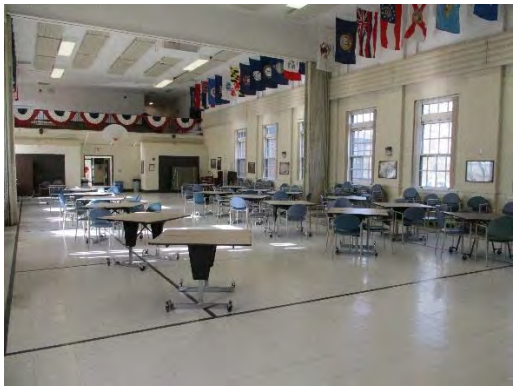
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 6

Photo 6-1 Pipe insulation mud fittings on fiberglass insulated pipes	
Photo 6-2 Exterior window glazing & caulking	
Photo 6-3 Exterior tar roof overhang	
Photo 6-4 Sink undercoating	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 7

Photo 7-1 Pipe insulation	
Photo 7-2 Tar/asphalt on drain pipe at floor	
Photo 7-3 Window caulking (exterior)	
Photo 7-4 Sink undercoating	

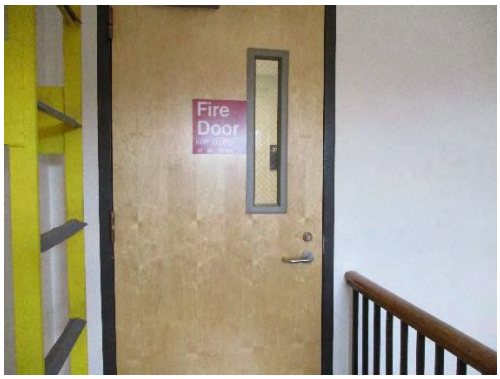
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 8

Photo 8-1 Pipe insulation – Mag block	
Photo 8-2 9” vinyl floor tile	
Photo 8-3 12” vinyl floor tile and black mastic	
Photo 8-4 Fire Doors	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 8

Photo 8-5 Exterior window glazing & caulking	
Photo 8-6 Black adhesive on walls	

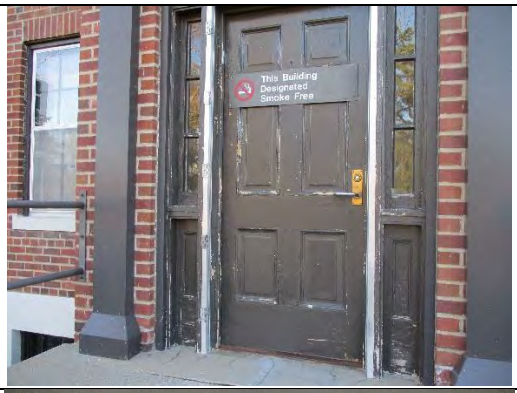
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 9

Photo 9-1 Pipe insulation mud fitting on fiberglass insulated piping	
Photo 9-2 12” vinyl floor tile and black mastic	
Photo 9-3 Fire Doors	
Photo 9-4 Exterior window caulking	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 9

Photo 9-5 Exterior tar on downspouts	
Photo 9-6 Cove base adhesive/mastic	

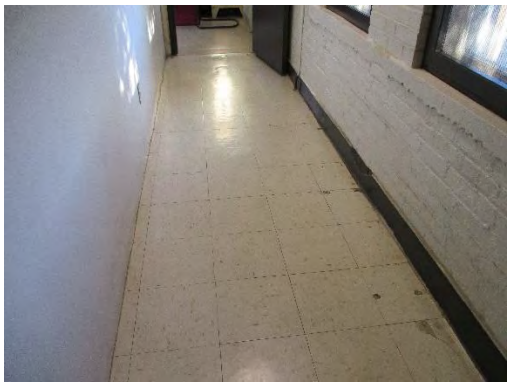
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 10

Photo 10-1 12” vinyl floor tile and black mastic	
Photo 10-2 Door caulking (exterior)	
Photo 10-3 Paper in light fixture	

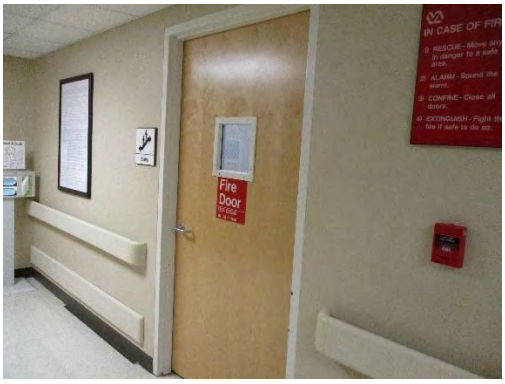
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 11

Photo 11-1 Door caulking (exterior)	
Photo 11-2 Window glazing	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 13

Photo 13-1 12” vinyl floor tile and black mastic	
Photo 13-2 Window glazing	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 28

Photo 28-1 Pipe insulation in attic	
Photo 28-2 Contaminated soil in crawlspace	
Photo 28-3 12” vinyl floor tile and black mastic	
Photo 28-4 Fire Doors	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 28

Photo 28-5 Transite inside convectors under windows	
Photo 28-6 Pipe insulation in pipe penetration above ceiling in basement	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 29

Photo 29-1 Pipe insulation – Mag. Block in attic	
Photo 29-2 12” vinyl floor tile and black mastic	
Photo 29-3 Window frame caulk (exterior)	
Photo 29-4 Fire Doors	

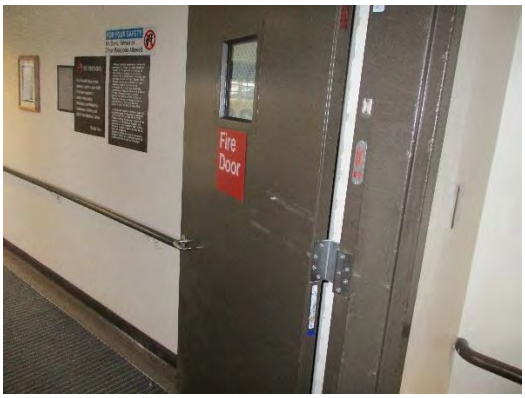
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 29

Photo 29-5 Transite inside convectors under windows	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 48

Photo 48-1 9” vinyl floor tile and black mastic	
Photo 48-2 12” vinyl floor tile and black mastic	
Photo 48-3 Window glazing & caulking	
Photo 48-4 Exterior vent caulking	

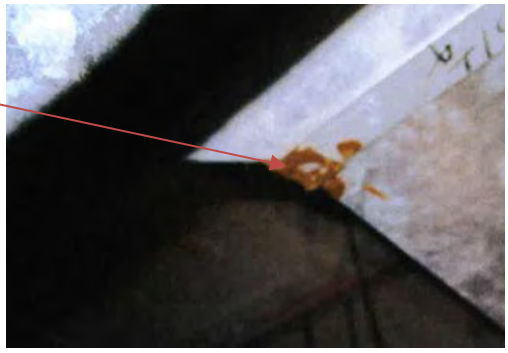
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 29

Photo 48-5 Exterior brick seam caulk	
Photo 48-6 Duct seam caulk	
Photo 48-7 Fire doors	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 49

Photo 49-1 Pipe insulation – Mag block	
Photo 49-2 Contaminated soil in crawlspaces	
Photo 49-3 12” vinyl floor tile and black mastic	
Photo 49-4 Fire Doors	

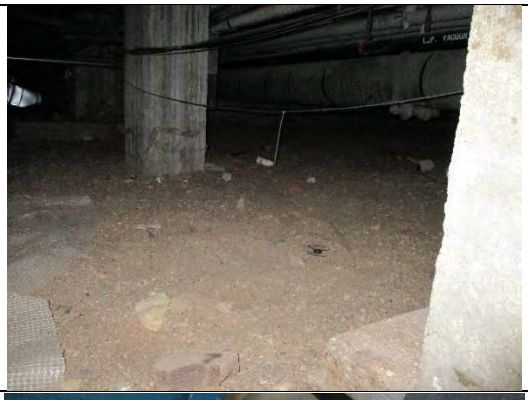
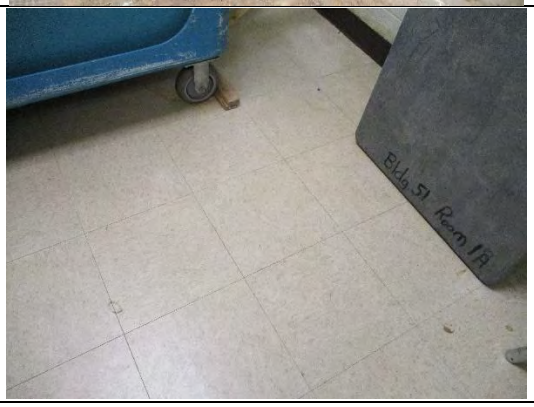
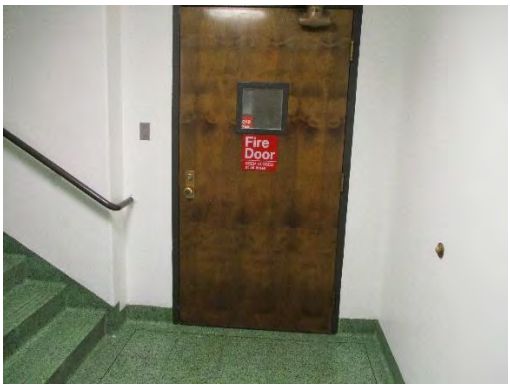
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 49

Photo 49-5 Exterior door frame caulk	
Photo 49-6 2x4 lay-in ceiling tiles in basement	
Photo 49-7 Vent caulk	
Photo 49-8 Brown duct sealant/mastic	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 49

Photo 49-9 Black sink undercoating in basement	
Photo 49-10 Black tar wall waterproofing	

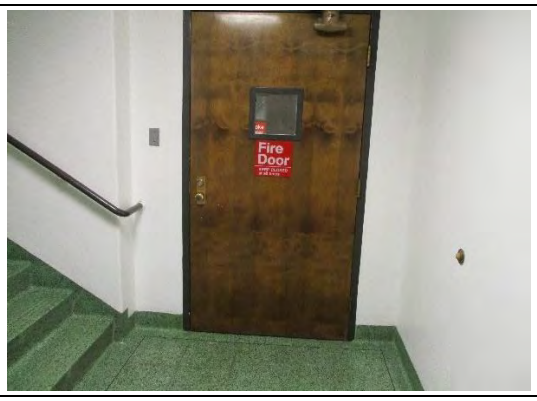
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 50

Photo 50-1 Pipe insulation – Mag block	
Photo 50-2 Contaminated soil in crawlspace	
Photo 50-3 12” vinyl floor tile and black mastic	
Photo 50-4 Fire Doors	

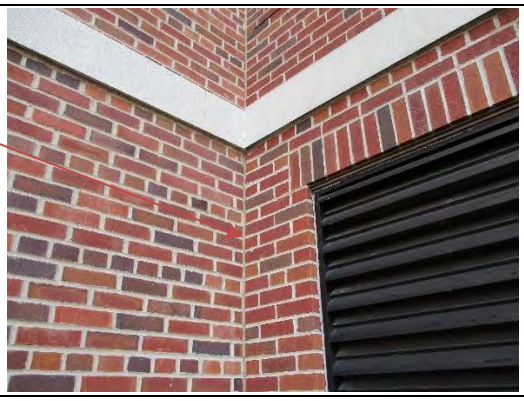
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 50

Photo 50-5 Transite inside convectors under windows	
Photo 50-6 Tan duct sealant/mastic	

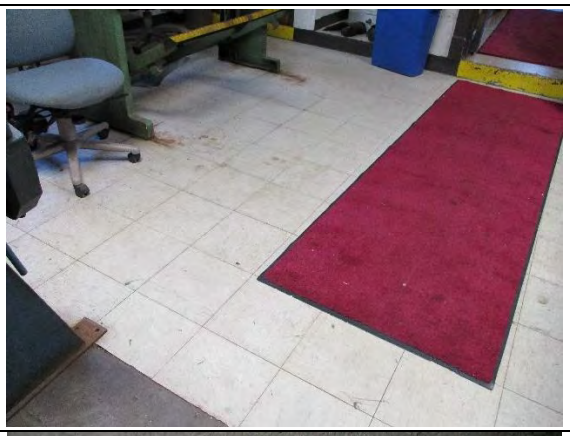
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 51

Photo 51-1 Pipe insulation above ceiling	
Photo 51-2 Contaminated soil in crawlspace	
Photo 51-3 12” vinyl floor tile and black mastic	
Photo 51-4 Fire Doors	

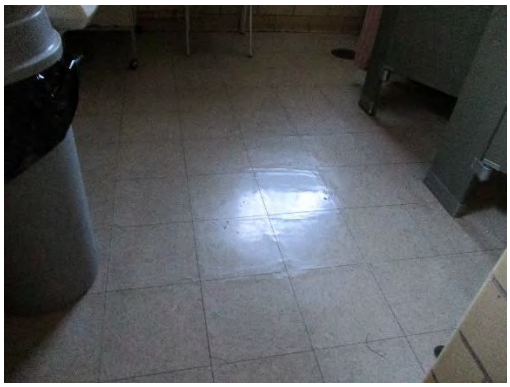
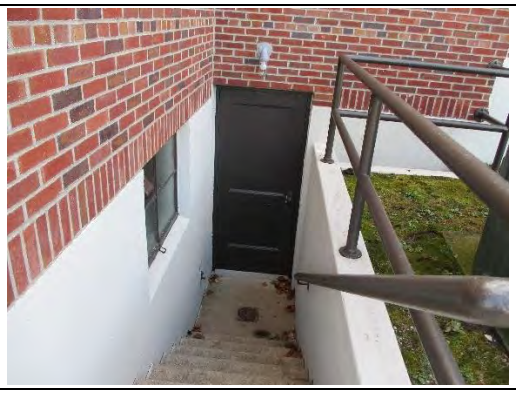
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 51

Photo 51-5 Transite inside convectors under windows	
Photo 51-6 Paper inside electrical switch box	
Photo 51-7 Glue pods for 12” ceiling tile	
Photo 51-8 Caulking on exterior brick walls	

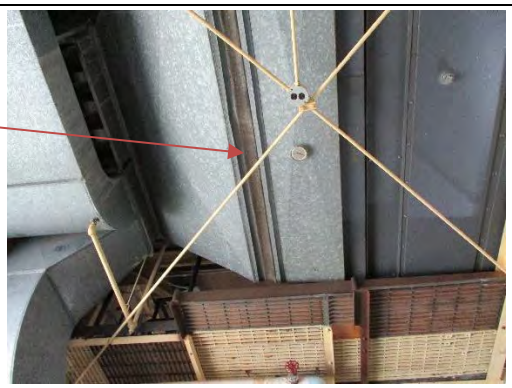
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 54

Photo 54-1 Pipe insulation mud fittings on fiberglass in shops	
Photo 54-2 12” vinyl floor tile and black mastic	
Photo 54-3 Black sink undercoating	

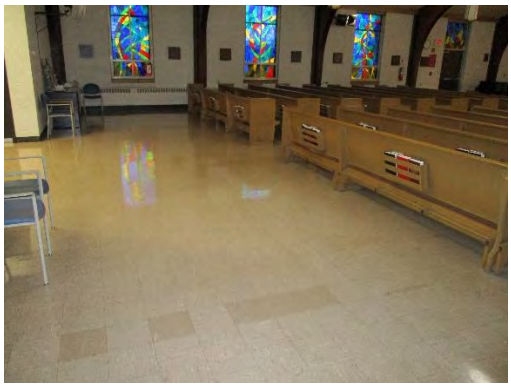
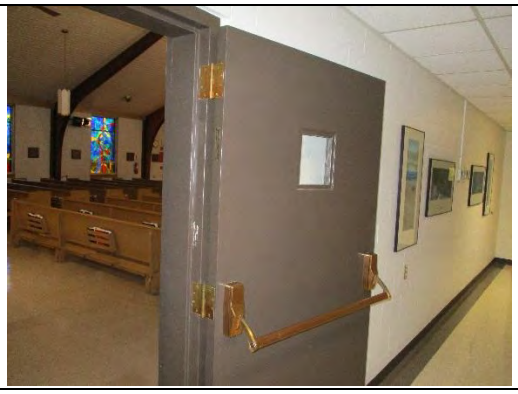
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 59

Photo 59-1 12” vinyl floor tile and black mastic	
Photo 59-2 Fire Doors	
Photo 59-3 Door frame caulk	
Photo 59-4 Exterior vent caulking	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 1

Photo 59-5 Exterior window glazing and caulking	
Photo 59-6 Vibration dampening cloths on ducts	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 88

Photo 88-1 9” vinyl floor tile and black mastic	
Photo 88-2 Fire Doors	
Photo 88-3 Exterior window glazing	
Photo 88-4 Expansion joint caulk	

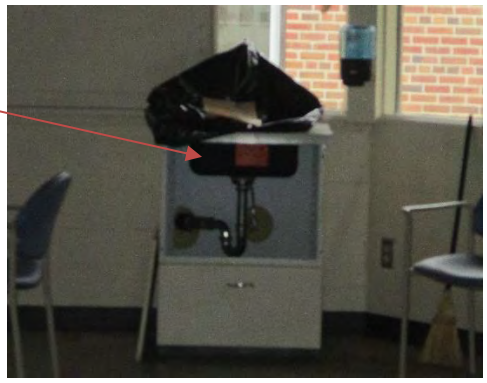
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 91

Photo 91-1 Fire door	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 92

Photo 92-1 Pipe penetration hole filler	
Photo 92-2 Black sink undercoating	
Photo 92-3 Window frame caulk	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 93

Photo 93-1 Black sink undercoating	

PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 95

Photo 95-1 Brown duct seam sealant	

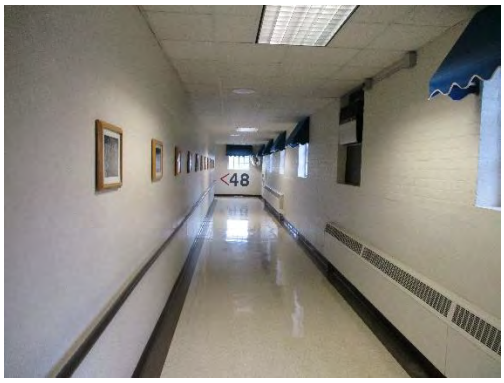
PHOTOGRAPHS OF ASBESTOS MATERIALS
BUILDING 96

Photo 96-1 Black sink undercoating	
Photo 96-2 Window frame caulk	

PHOTOGRAPHS OF ASBESTOS MATERIALS CONNECTING CORRIDORS

Photo CC-1 Window glazing	
Photo CC-2 Window frame caulk	
Photo CC-3 Exterior brick expansion joint caulking	
Photo CC-4 Black tar on gutter downspouts	

PHOTOGRAPHS OF ASBESTOS MATERIALS
CONNECTING CORRIDORS

Photo CC-5 Mastic under floor tile	
Photo CC-6 Door frame caulk	

PHOTOGRAPHS OF ASBESTOS MATERIALS
TUNNELS UNDER CONNECTING CORRIDORS

Photo T-1 Mud fittings on fiberglass insulated pipes	
Photo T-2 Mud fittings on fiberglass insulated pipes	
Photo T-3 Contaminated soils in crawl space with asbestos debris	

APPENDIX C

INSPECTOR CERTIFICATIONS

DEPARTMENT OF HEALTH

ASBESTOS INSPECTOR

Certified by:
State of Minnesota
Department of Health

Expires: 09/26/2020

Brett L. Brumbaugh
7920 Woodbridge Rd N
Monclova, OH 43542

Director, Env. Health Div.

No. AI14402 Issued: 10/02/2019

APPENDIX D

ASBESTOS LOCATIONS & SAMPLE LOCATION DRAWINGS

DRAWINGS DISTRIBUTED INTO CONSTRUCTION DOCUMENT DRAWING SHEETS ORDERED BY BUILDING NUMBER VA PROJECT NUMBER 656-21-235 ST CLOUD EHRM INFRASTRUCTURE UPGRADES SEE LIST OF DRAWING SHEETS AND SHEET INDEX

CASTLE HILL

DEPARTMENT OF VETERANS AFFAIRS
ST. CLOUD VA MEDICAL CENTER
ST. CLOUD, MINNESOTA
2019 FACILITY ASBESTOS ASSESSMENT

VA CONTRACT NUMBER: 36C26319P1003

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

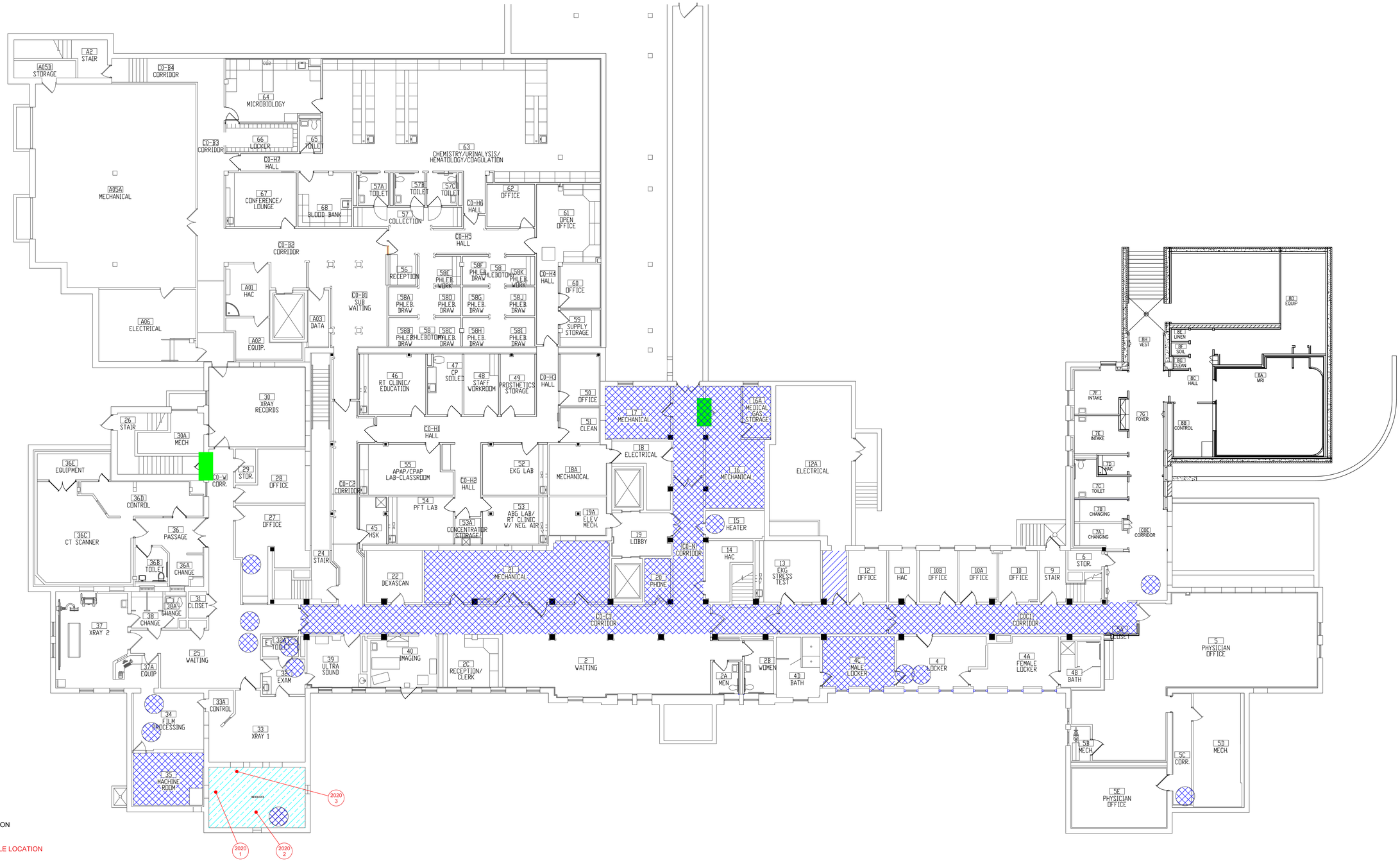
Professional Seal:

North:

Drawing Title: TITLE SHEET	Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		Date: NOVEMBER 2019
			Project No.: 36C26319P1003
Approved : Division Chief	Building Number: -	Checked: BLB	Drawing No.: CS
		Drawn: AFS	Sheet 01 of 71
Approved : Service Director	Location: ST. CLOUD, MINNESOTA		

Office of Facilities

Department of Veterans Affairs



LEGEND

- 2020 00 -SAMPLE LOCATION
- 2020 00 -POSITIVE SAMPLE LOCATION
- -ASBESTOS-CONTAINING HARD FITTINGS ON FIBERGLASS
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAMINATED SOIL IN CRAWLSPACE
- -ASBESTOS-CONTAINING 12"X12" FLOOR TILE AND MASTIC

BUILDING #1 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 1
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 001 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 1A

Sheet 02 of 71

Office of Facilities

Department of Veterans Affairs

LEGEND

- -ASBESTOS-CONTAINING HARD FITTINGS ON FIBERGLASS
- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING BLACK TAR ON RAIN LEADER
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING 9"X9" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING MASTIC UNDER 9"X9" FLOOR TILE
- -ASBESTOS-CONTAINING CAULK ON BRICK WALL

BUILDING #1 - FIRST FLOOR PLAN

Revisions | Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 1 Scale: 1/8" = 1'-0"

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Approved : Division Chief

Approved : Service Director

Building Number: 001 | Checked: BLB | Drawn: AFS

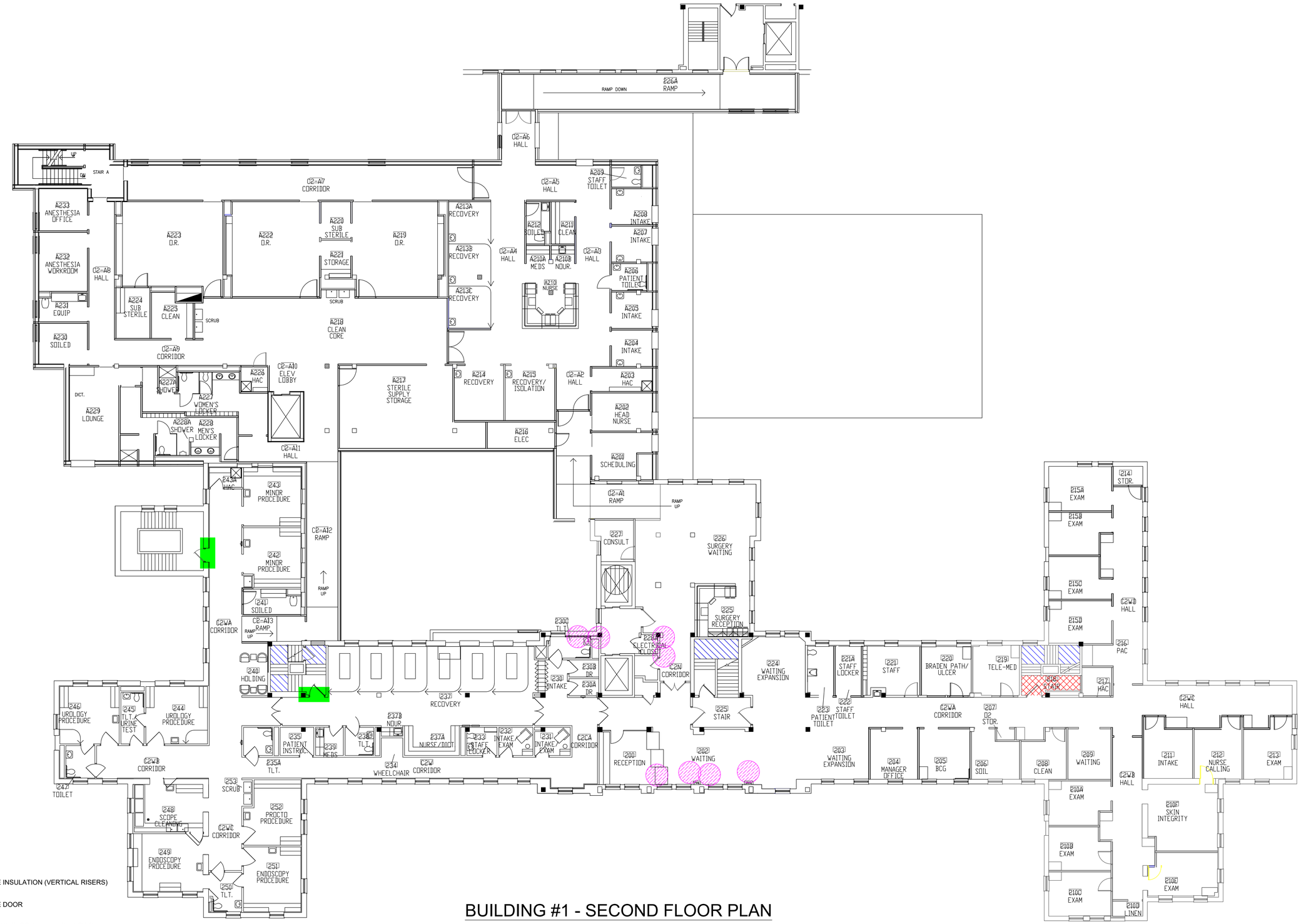
Location: ST. CLOUD, MINNESOTA

Drawing No. 2A

Sheet 03 of 71

Office of Facilities

Department of Veterans Affairs



BUILDING #1 - SECOND FLOOR PLAN

LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING 12"X12" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING MASTIC UNDER 9"X9" FLOOR TILE

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 1
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 001 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

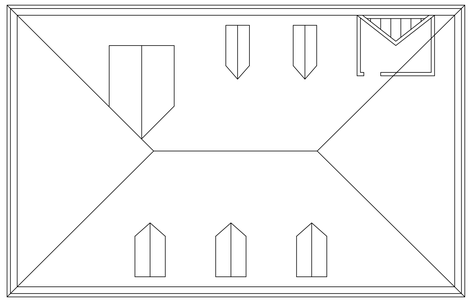
Project No. 36C26319P1003

Drawing No. 3A

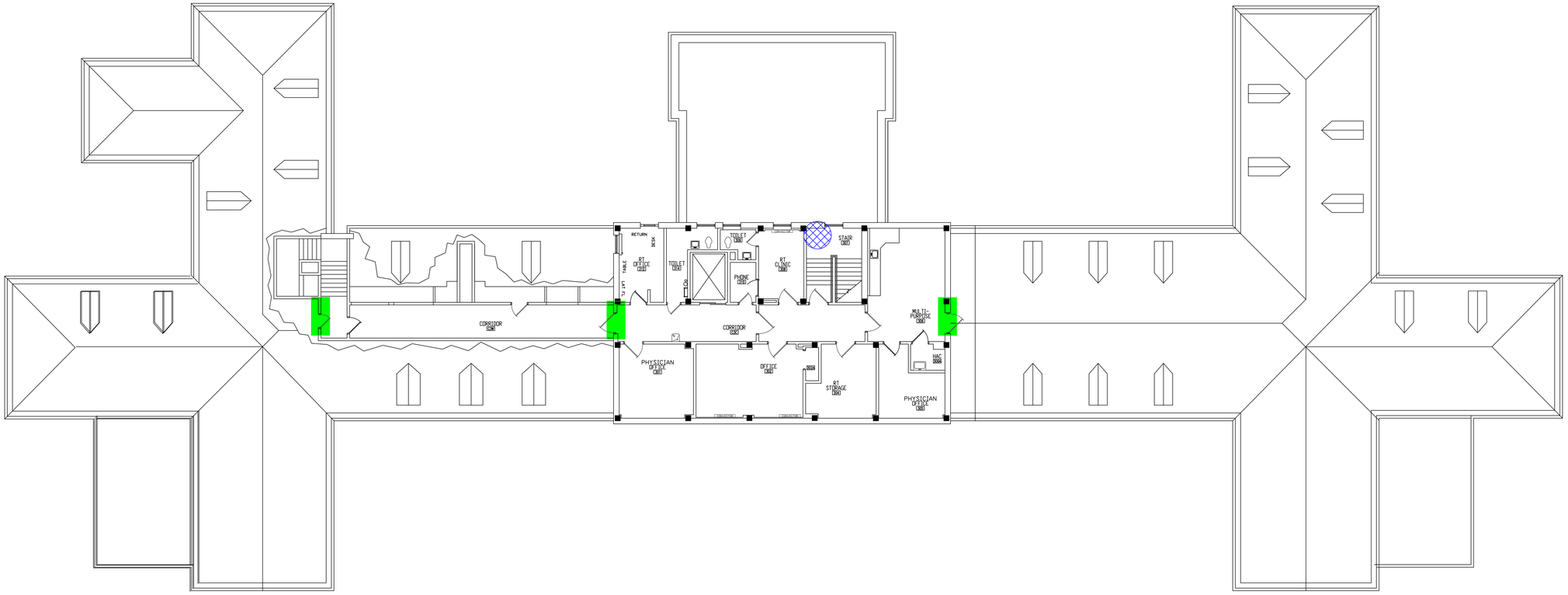
Sheet 04 of 71

Office of Facilities

Department of Veterans Affairs



BUILDING #1 - THIRD FLOOR ATTIC ROOF



BUILDING #1 - THIRD FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING HARD FITTINGS ON FIBERGLASS

-ASBESTOS-CONTAINING FIRE DOOR

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 1
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 001
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

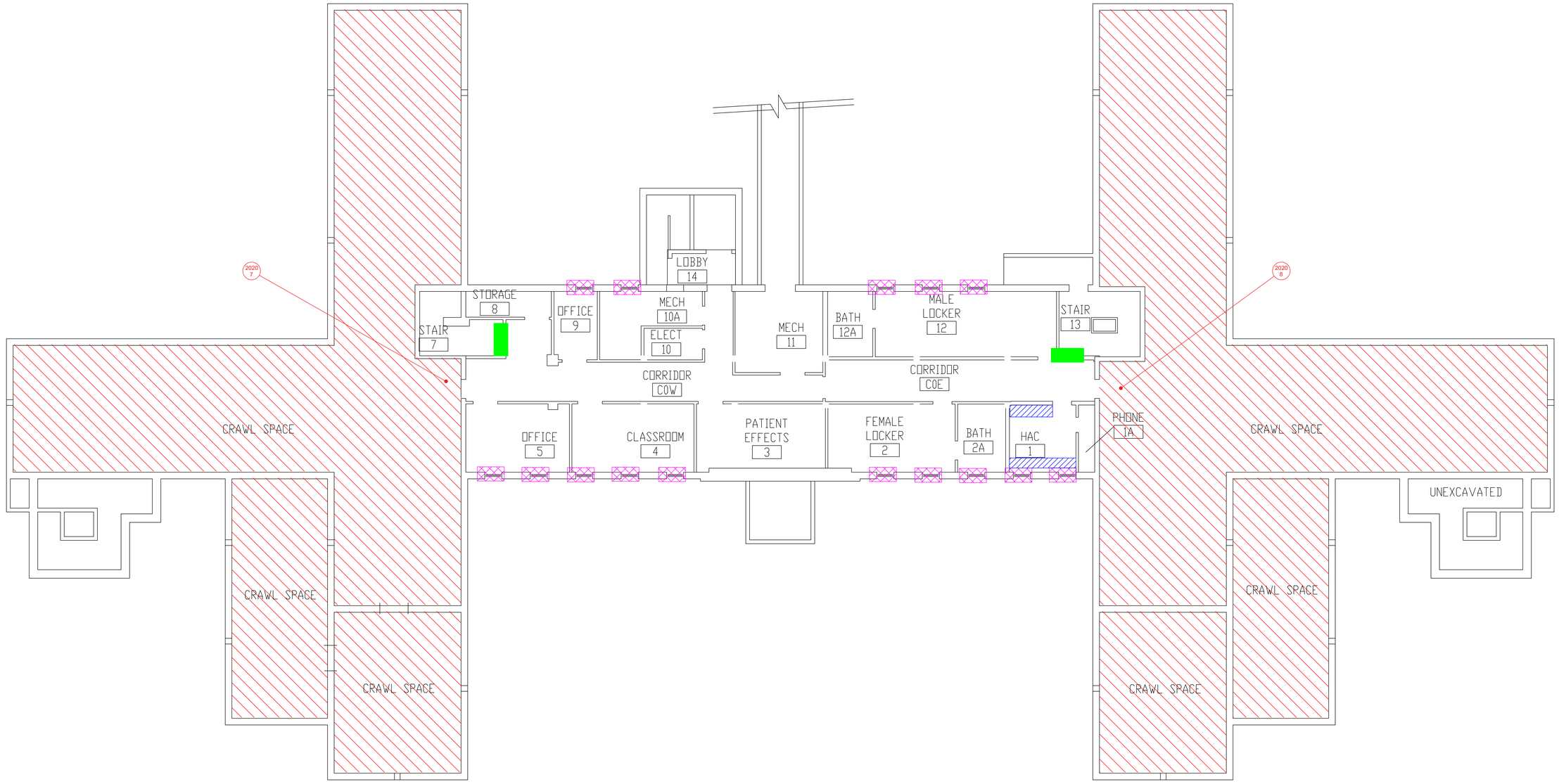
Project No. 36C26319P1003

Drawing No. 4A

Sheet 05 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- 2020 00 -SAMPLE LOCATION
- 2020 00 -POSITIVE SAMPLE LOCATION
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAMINATED SOIL IN CRAWLSPACE
- -ASBESTOS-CONTAINING WINDOW CAULK (OLD RESIDUAL CAULK)
- -ASBESTOS-CONTAINING BLACK WALL ADHESIVE

BUILDING #2 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

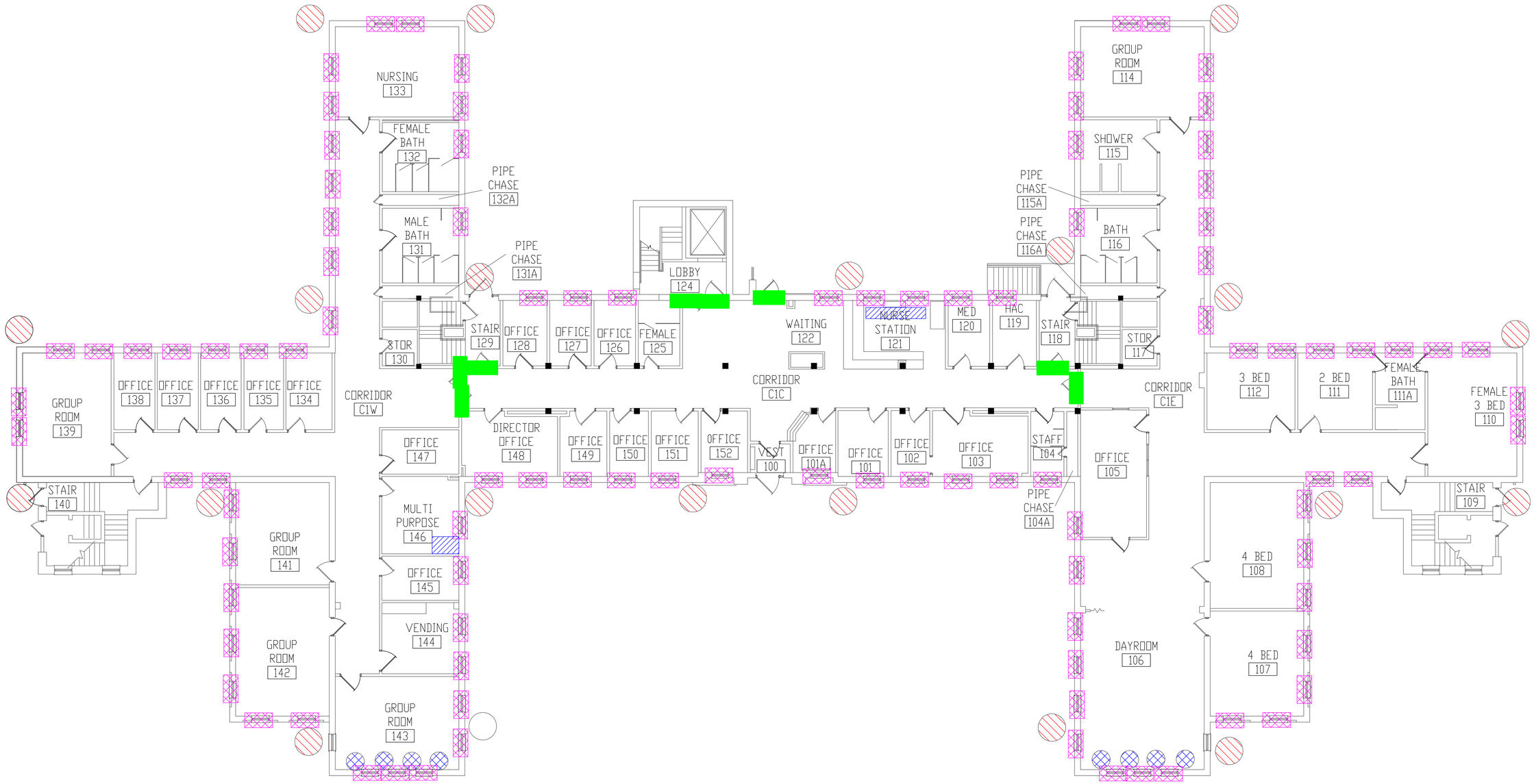
Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 2 Scale: 1/8" = 1'-0"	Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		Date: NOVEMBER 2019
Approved : Division Chief	Building Number: 002	Checked: BLB	Drawn: AFS
Approved : Service Director	Location: ST. CLOUD, MINNESOTA		Project No. 36C26319P1003
			Drawing No. 1A Sheet 06 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING HARD FITTINGS ON FIBERGLASS
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING WINDOW CAULK (OLD RESIDUAL CAULK)
- -ASBESTOS-CONTAINING BLACK WALL ADHESIVE
- -ASBESTOS-CONTAINING BLACK TAR ON RAIN LEADER DOWNSPOUT

BUILDING #2 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 2 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 002 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

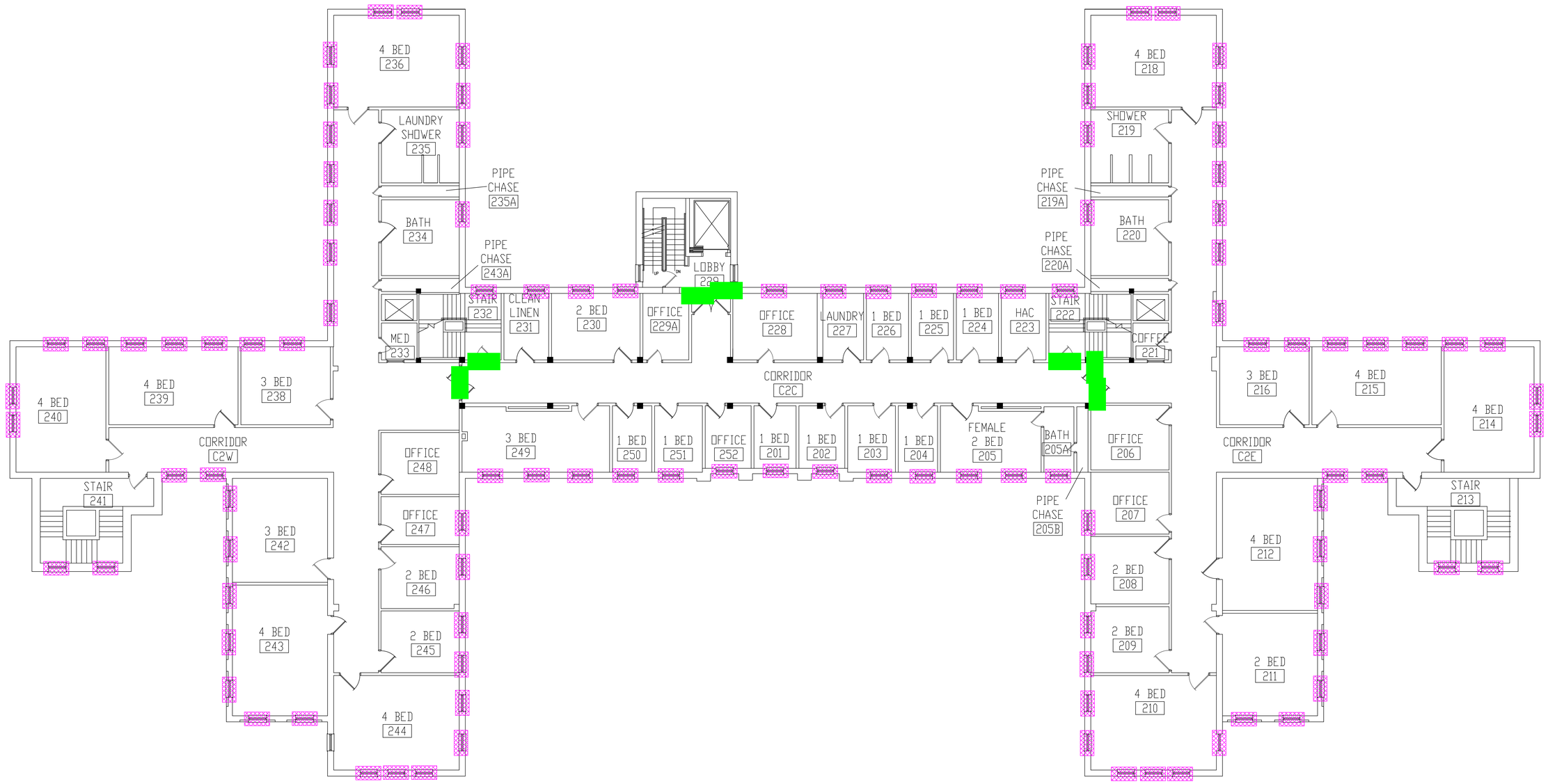
Project No. 36C26319P1003

Drawing No. 2A

Sheet 07 of 71

Office of Facilities

Department of Veterans Affairs



BUILDING #2 - SECOND FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING FIRE DOOR

-ASBESTOS-CONTAINING WINDOW CAULK (OLD RESIDUAL CAULK)

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 2 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 002 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

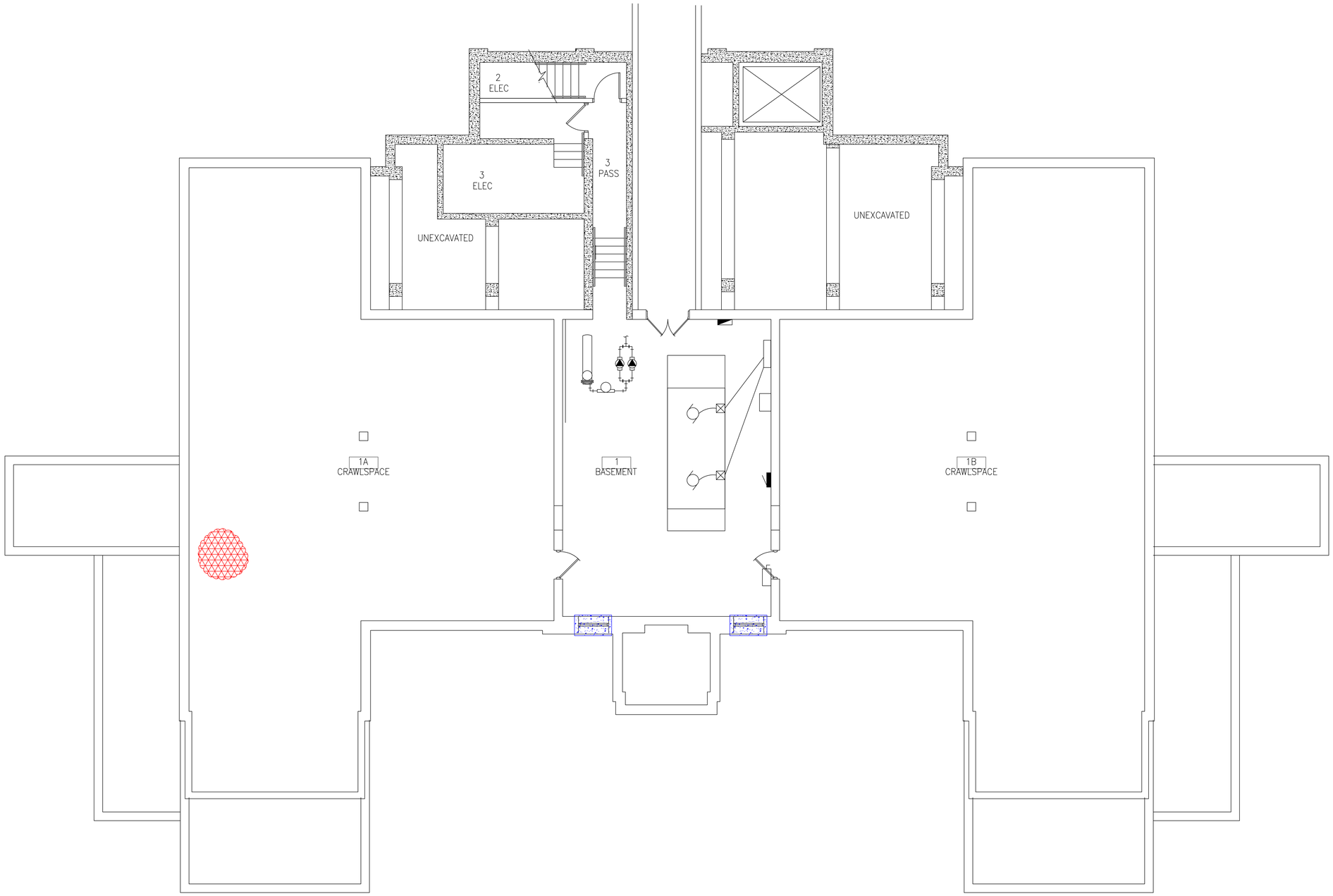
Project No. 36C26319P1003

Drawing No. 3A

Sheet 08 of 71

Office of Facilities

Department of Veterans Affairs



BUILDING #3 - BASEMENT FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING WRAP (FELT) ON PIPE GOING INTO SOIL

-ASBESTOS-CONTAINING WINDOW CAULK

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 3
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 003
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

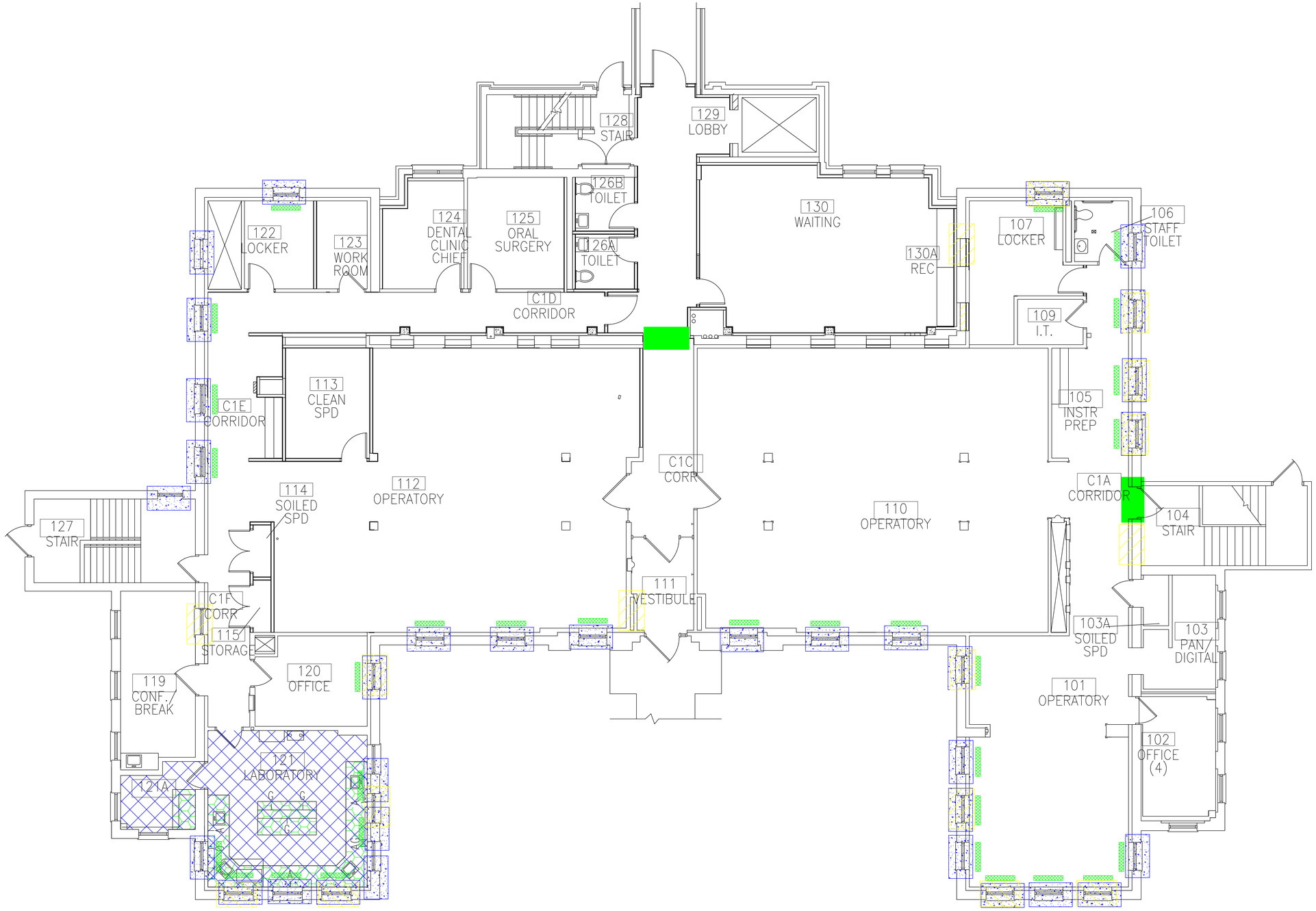
Project No. 36C26319P1003

Drawing No. 1A

Sheet 09 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING COUNTERTOP
- -ASBESTOS-CONTAINING INSULATION INSIDE CONVECTORS
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING TILE AND MASTIC
- -ASBESTOS-CONTAINING WALL MASTIC
- -ASBESTOS-CONTAINING WINDOW CAULK

BUILDING #3 - FIRST FLOOR PLAN

Revisions | Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 3
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 003 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

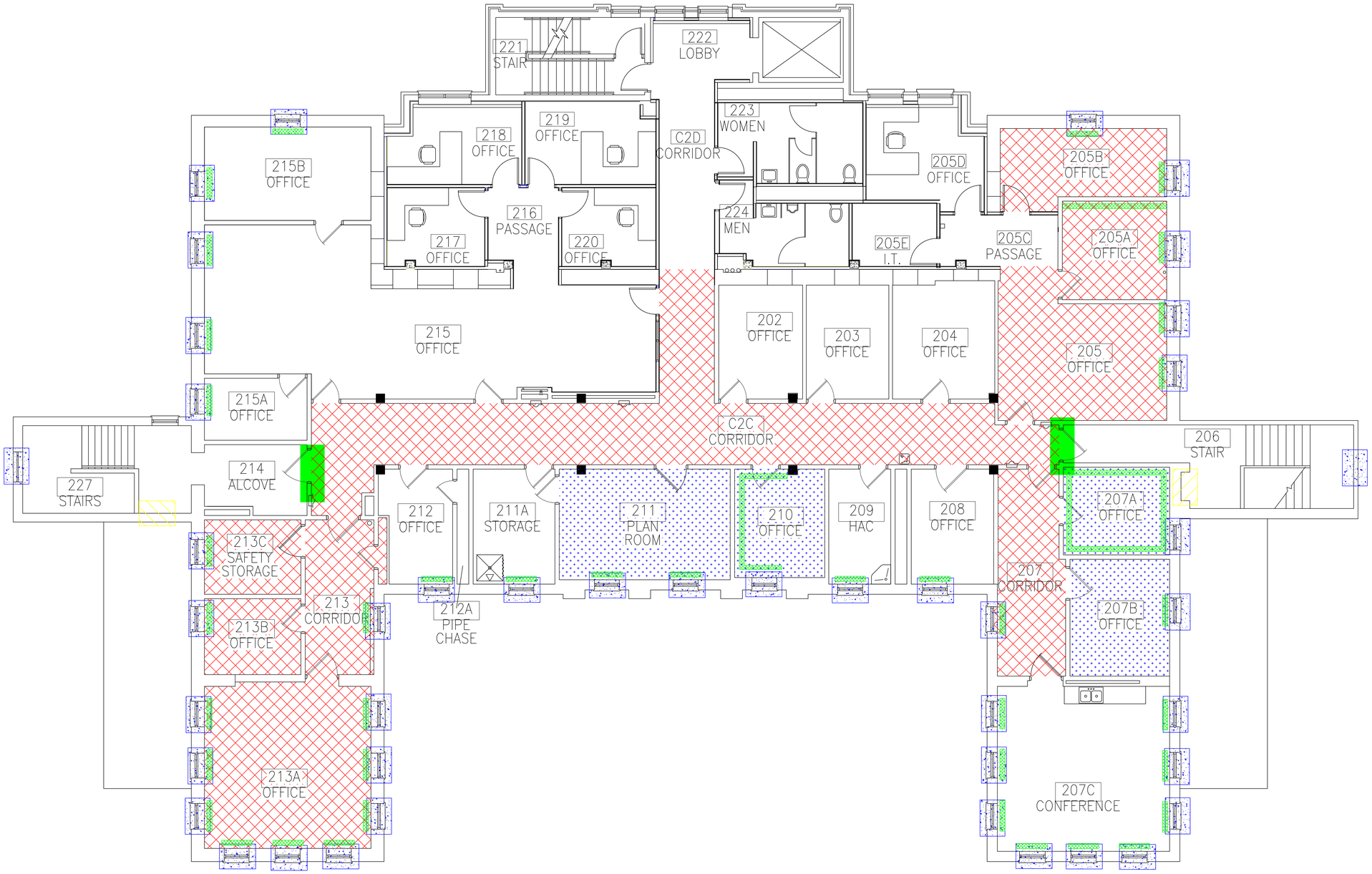
Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 2A
Sheet 10 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC BENEATH CARPET
- -ASBESTOS-CONTAINING MASTIC BENEATH CARPET
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING INSULATION INSIDE CONVECTORS
- -ASBESTOS-CONTAINING WALL MASTIC
- -ASBESTOS-CONTAINING WINDOW CAULK

BUILDING #3 - SECOND FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 3
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

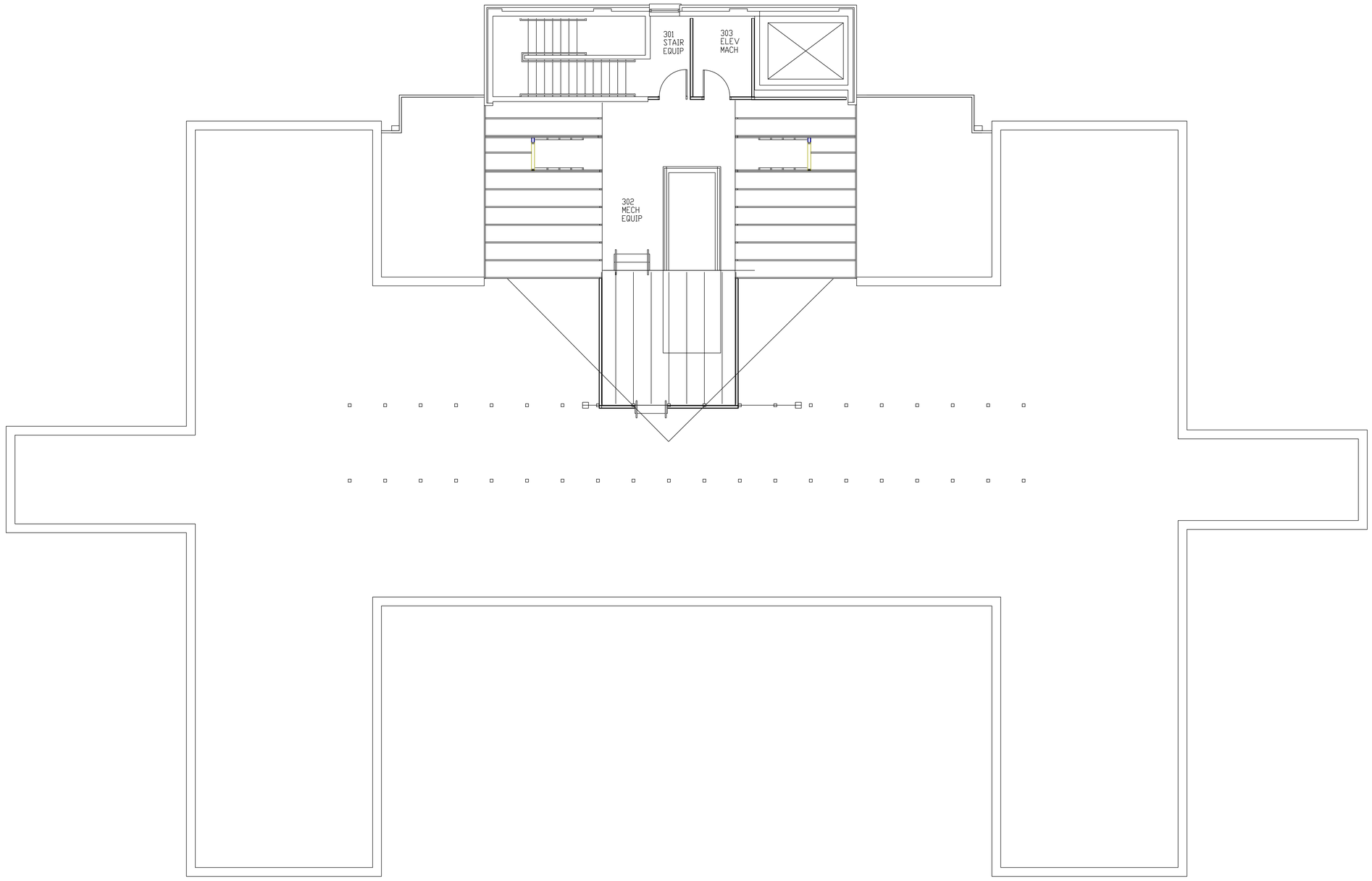
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 003
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 3A
Sheet 11 of 71

Office of Facilities
Department of Veterans Affairs



BUILDING #3 - ATTIC FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 3
Scale: 1/4" = 1'-0"

Approved : Division Chief

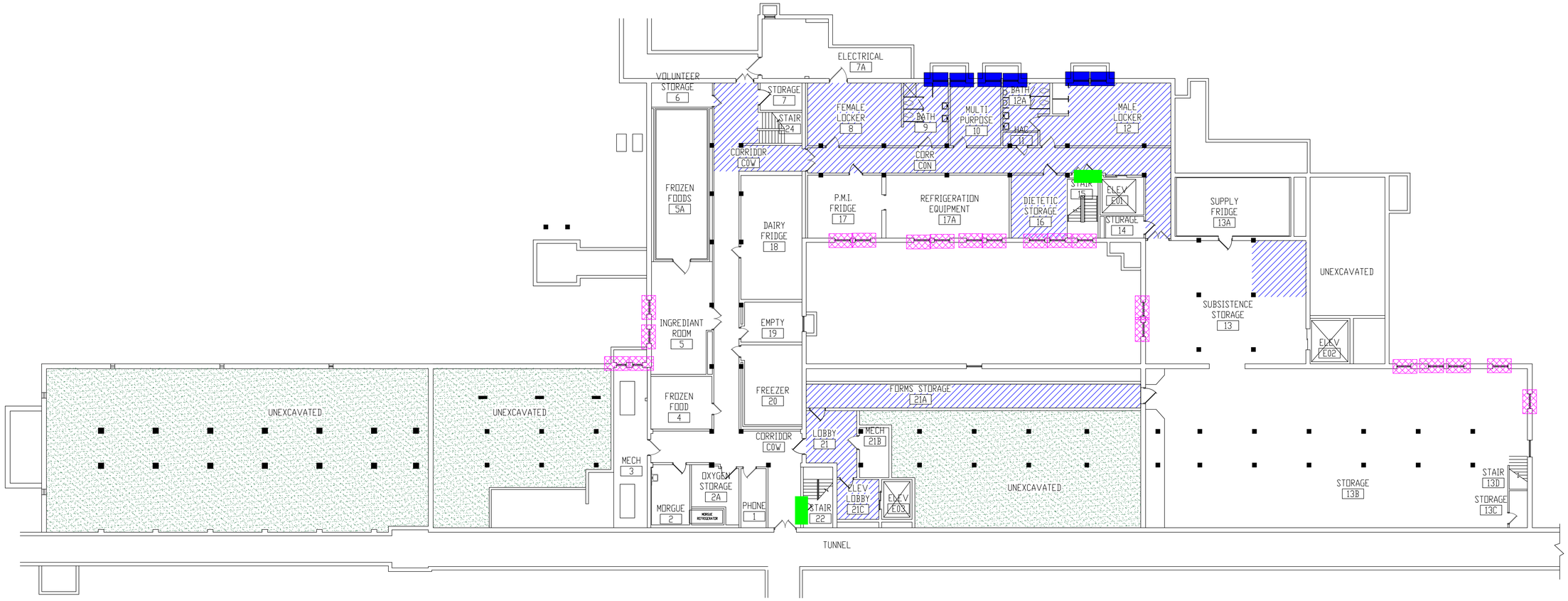
Approved : Service Director

Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 003
Checked: BLB
Drawn: AFS
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No.: 36C26319P1003
Drawing No.: 4A
Sheet 12 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAMINATED SOIL
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING WINDOW CAULK AND GLAZING
- -ASBESTOS-CONTAINING WINDOW CAULK, GLAZING, AND WALL ADHESIVE ABOVE WINDOW

BUILDING #4 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 4
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

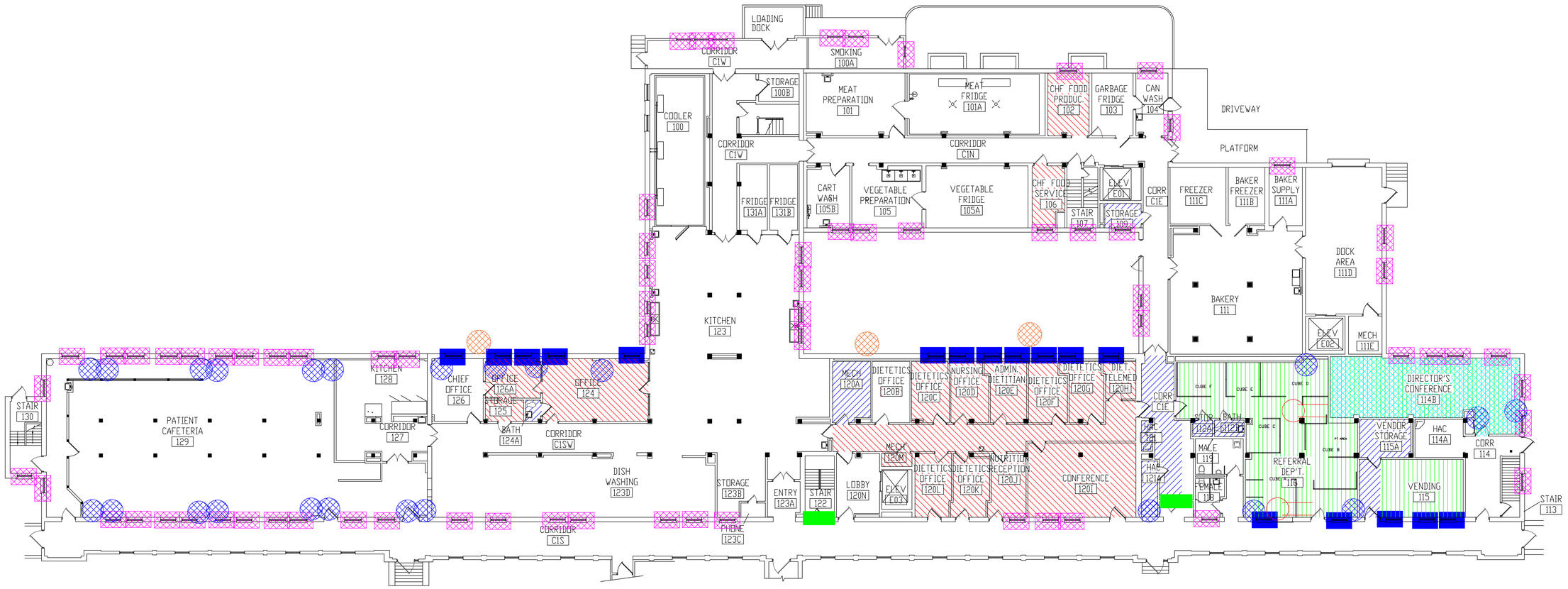
Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 004
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 13 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RISERS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING WALL TILE MASTIC
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING WINDOW CAULK AND GLAZING
- -ASBESTOS-CONTAINING WINDOW CAULK, GLAZING, AND WALL ADHESIVE ABOVE WINDOW

BUILDING #4 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

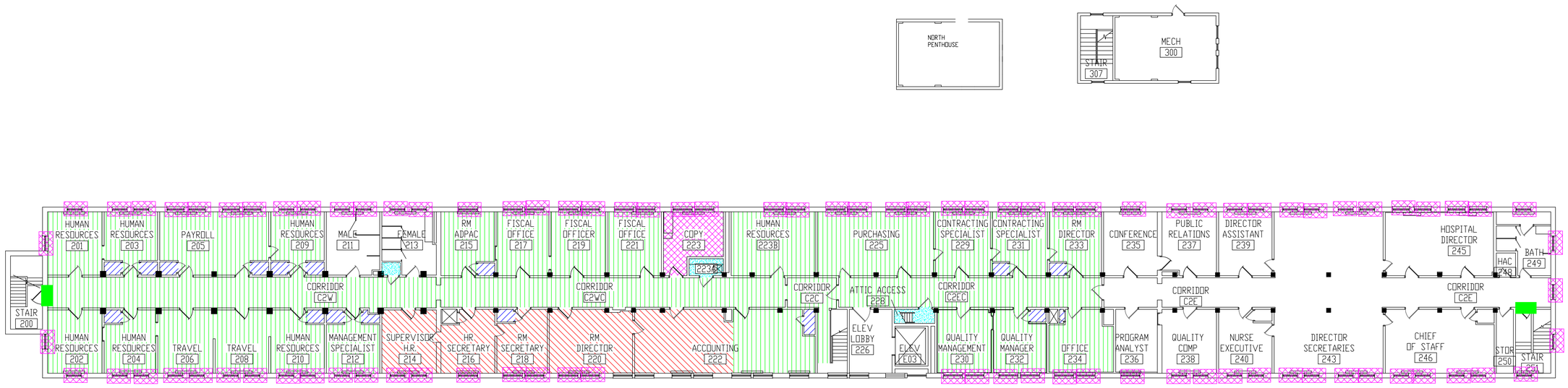
Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 4 Scale: 1/8" = 1'-0"	Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA	Date: NOVEMBER 2019	
Approved : Division Chief	Building Number: 004	Checked: BLB	Drawn: AFS
Approved : Service Director	Location: ST. CLOUD, MINNESOTA	Project No.: 36C26319P1003	
		Drawing No.: 2A Sheet 14 of 71	

Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12" FLOOR TILE
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET AND FLOOR FILLER
- -ASBESTOS-CONTAINING WINDOW CAULK AND GLAZING

BUILDING #4 - SECOND FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 4 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 004 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

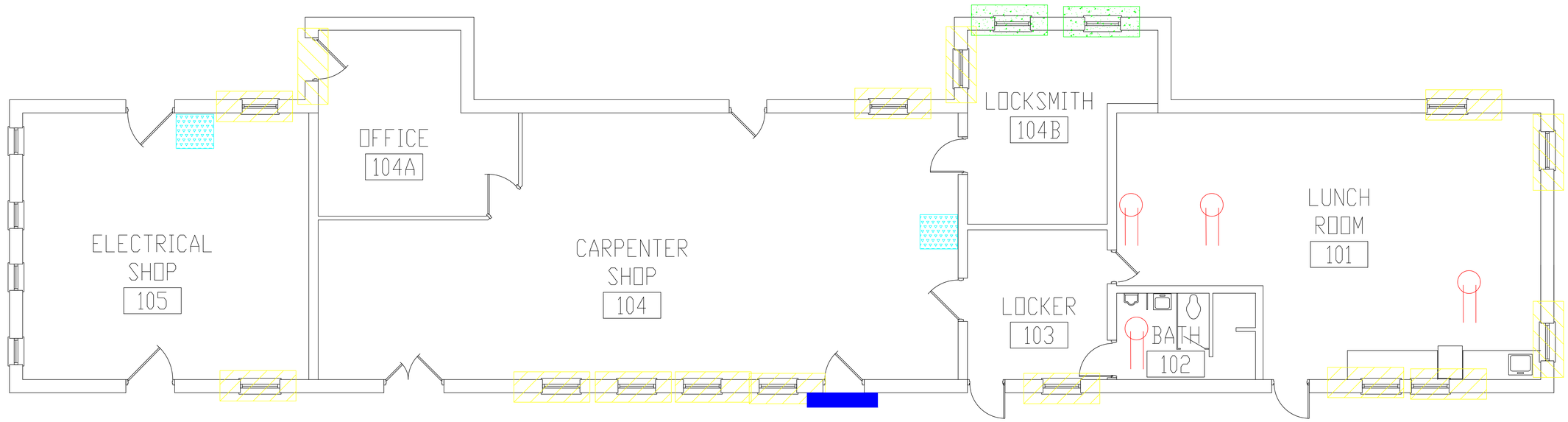
Project No. 36C26319P1003

Drawing No. 3A

Sheet 15 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE FITTING INSULATION
- -ASBESTOS-CONTAINING SINK UNDERCOATING
- -ASBESTOS-CONTAINING WINDOW GLAZING AND CAULK
- -ASBESTOS-CONTAINING WINDOW AND DOOR CAULK
- -ASBESTOS-CONTAINING ROOF OVERHANG TAR

BUILDING #6 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 6
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

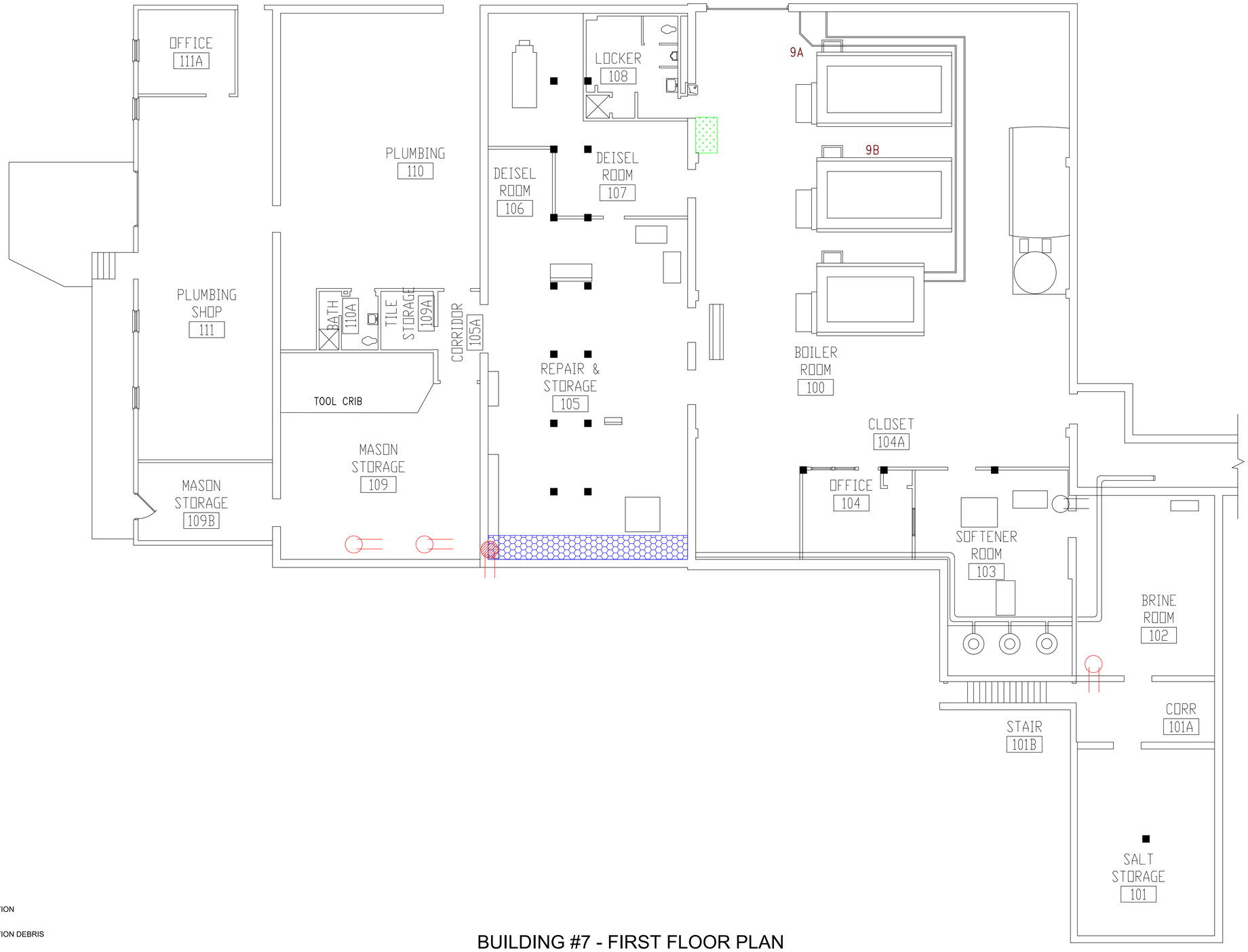
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 006
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 16 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION
- -ASBESTOS-CONTAINING PIPE INSULATION DEBRIS
- -ASBESTOS-CONTAINING SINK UNDERCOATING
- -ASBESTOS-CONTAINING PIPE TAR/COATING

BUILDING #7 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 7
Scale: 1/4" = 1'-0"

Approved : Division Chief

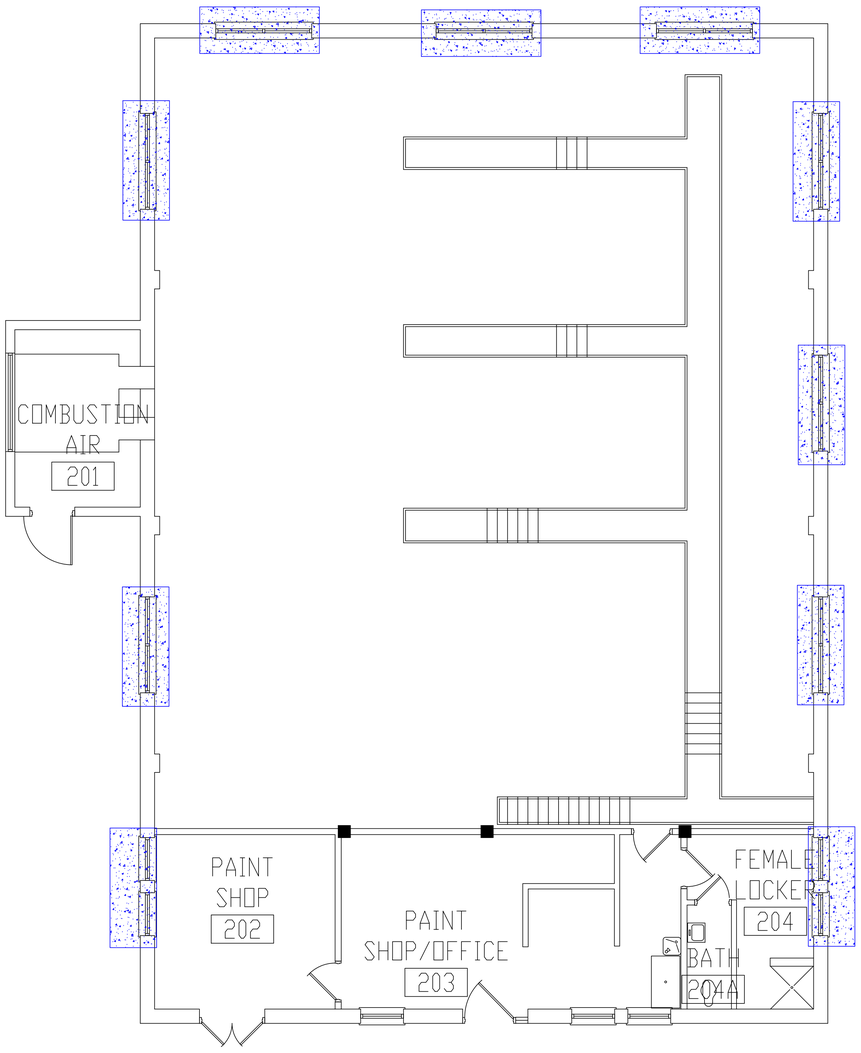
Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 007
Checked: BLB
Drawn: AFS
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No.: 36C26319P1003
Drawing No.: 1A
Sheet 17 of 71

Office of Facilities
Department of Veterans Affairs



BUILDING #7 - SECOND FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING WINDOW GLAZING

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 7
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

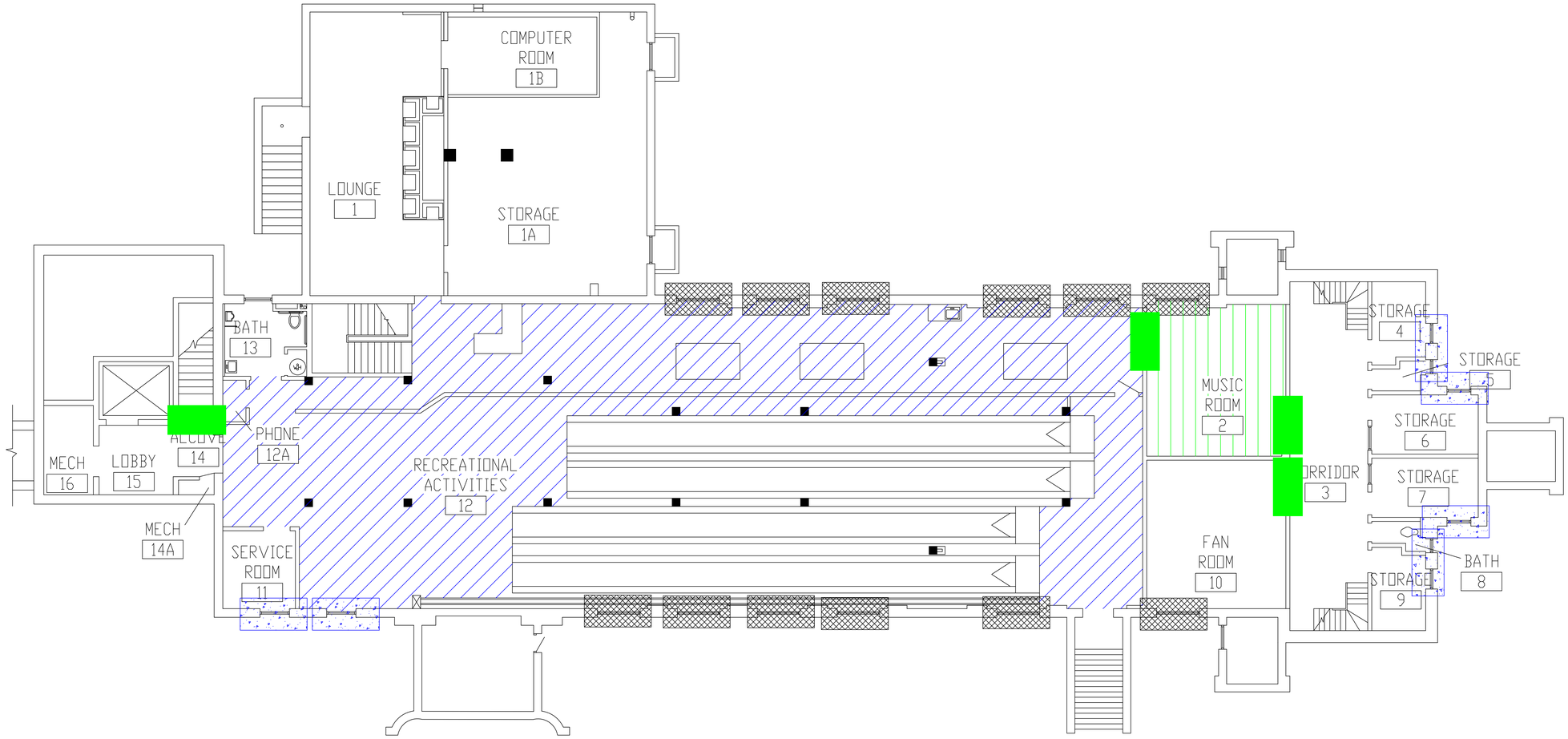
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 007
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 2A
Sheet 18 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING 9"X9" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING WINDOW CAULK AND GLAZING
- -ASBESTOS-CONTAINING WINDOW CAULK

BUILDING #8 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 8 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 008 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

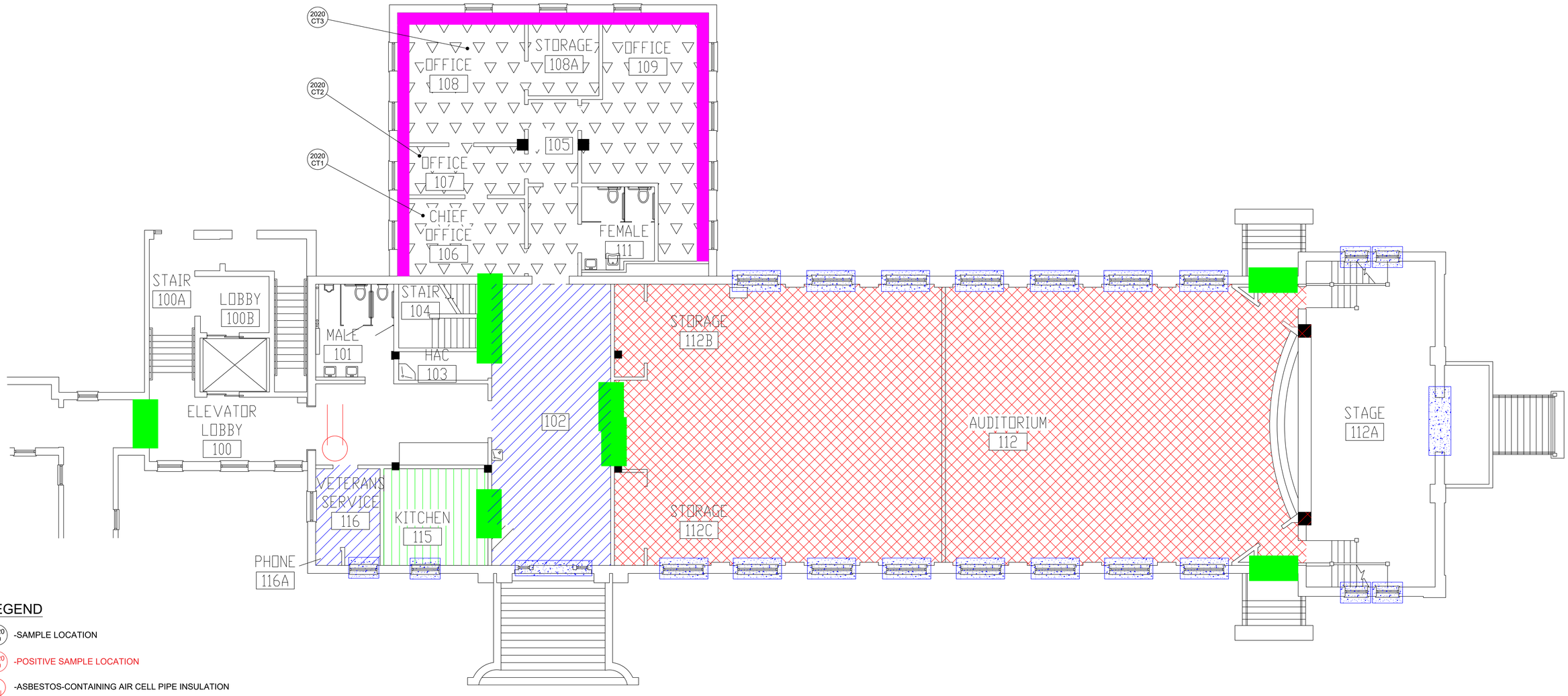
Project No. 36C26319P1003

Drawing No. 1A

Sheet 19 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- 2020 00 -SAMPLE LOCATION
- 2020 00 -POSITIVE SAMPLE LOCATION
- -ASBESTOS-CONTAINING AIR CELL PIPE INSULATION
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING 9"X9" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING 12"X12" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING BLACK WALL MASTIC
- -ASBESTOS-CONTAINING WINDOW GLAZING

BUILDING #8 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 8
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 008 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

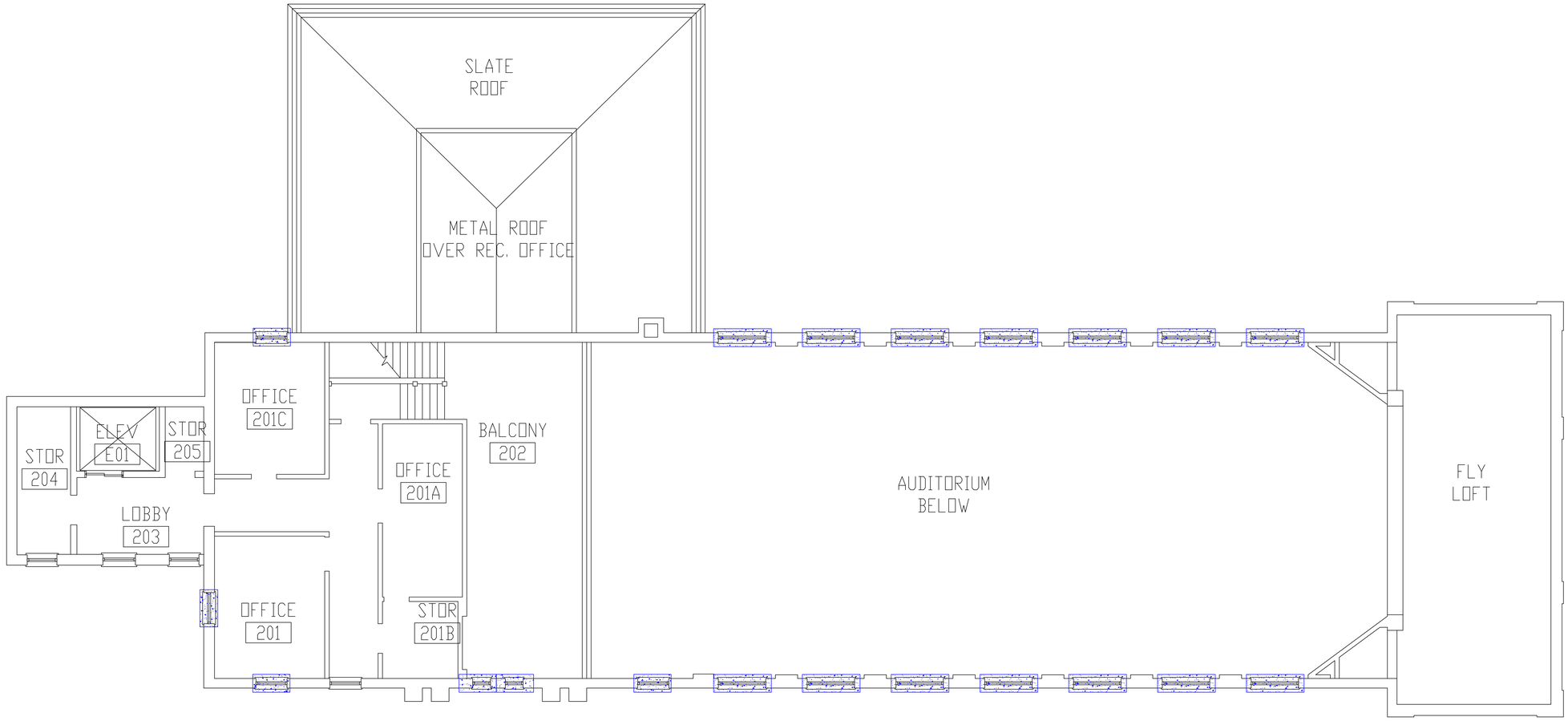
Project No. 36C26319P1003

Drawing No. 2A

Sheet 20 of 71

Office of Facilities

Department of Veterans Affairs



BUILDING #8 - SECOND FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING WINDOW CAULK AND GLAZING

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 8
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 008
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

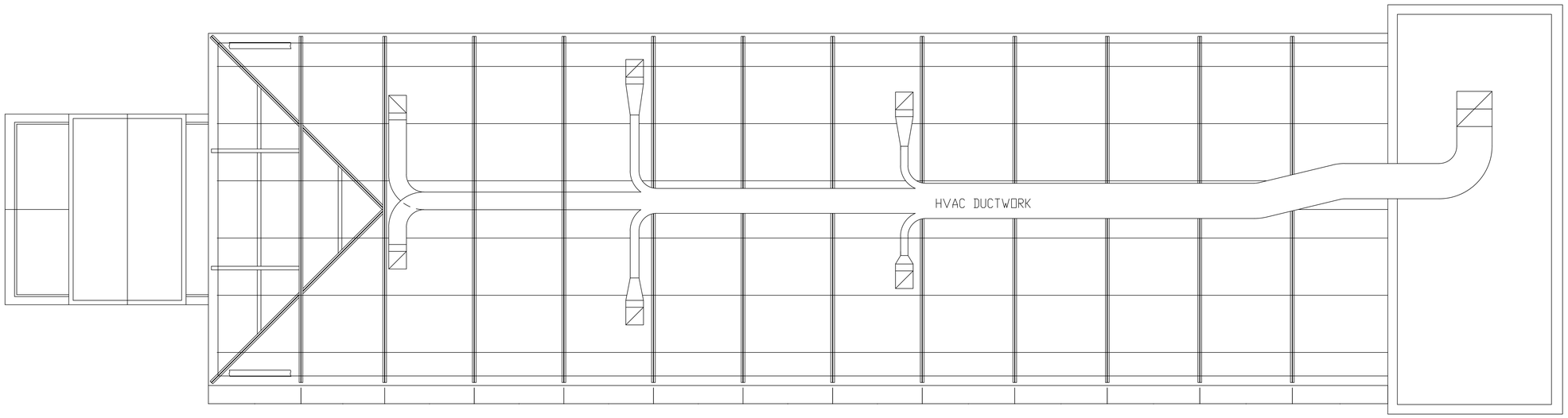
Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 3A
Sheet 21 of 71

Office of Facilities

Department of Veterans Affairs



BUILDING #8 - ATTIC FLOOR PLAN

NO ACM

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 8
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 008
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No.: 36C26319P1003

Drawing No.: 4A

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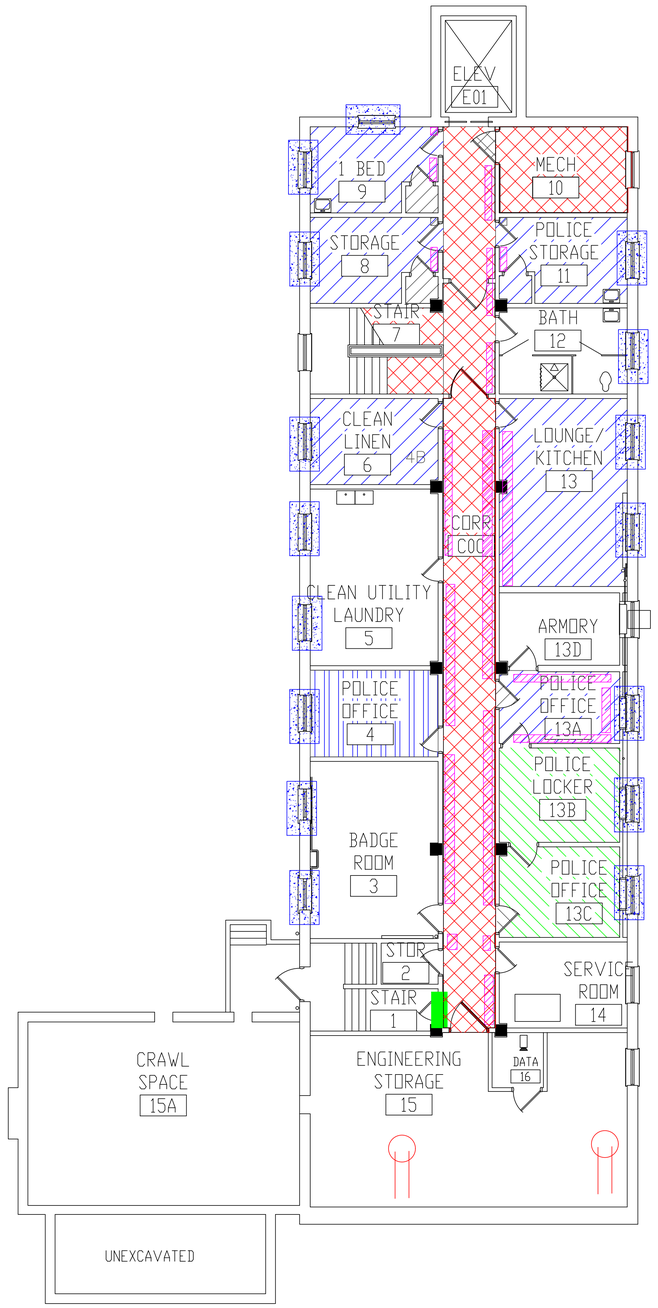
Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING MUDDED PIPE FITTINGS
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER DOUBLE LAYER FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER FLOOR TILE AND CARPET
- -ASBESTOS-CONTAINING MASTIC UNDER DOUBLE LAYER FLOOR TILE UNDER CARPET
- -ASBESTOS-CONTAINING BASEBOARD ADHESIVE
- -ASBESTOS-CONTAINING WINDOW CAULK

BUILDING #9 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 9
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

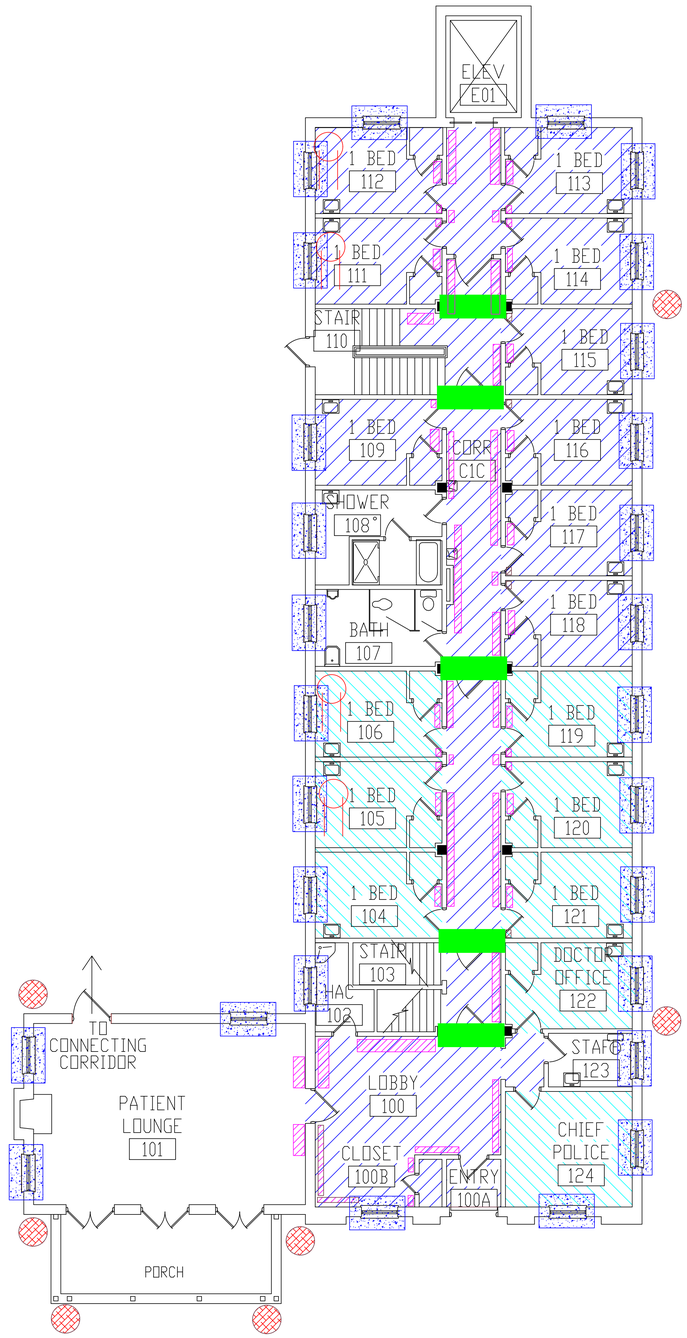
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 009
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No.: 36C26319P1003
Drawing No.: 1A
Sheet 23 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING MUDDED PIPE FITTINGS
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING BASEBOARD ADHESIVE
- -ASBESTOS-CONTAINING WINDOW CAULK
- -ASBESTOS-CONTAINING DOWNSPOUT RAIN LEADER TAR

BUILDING #9 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 9 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 009 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 2A

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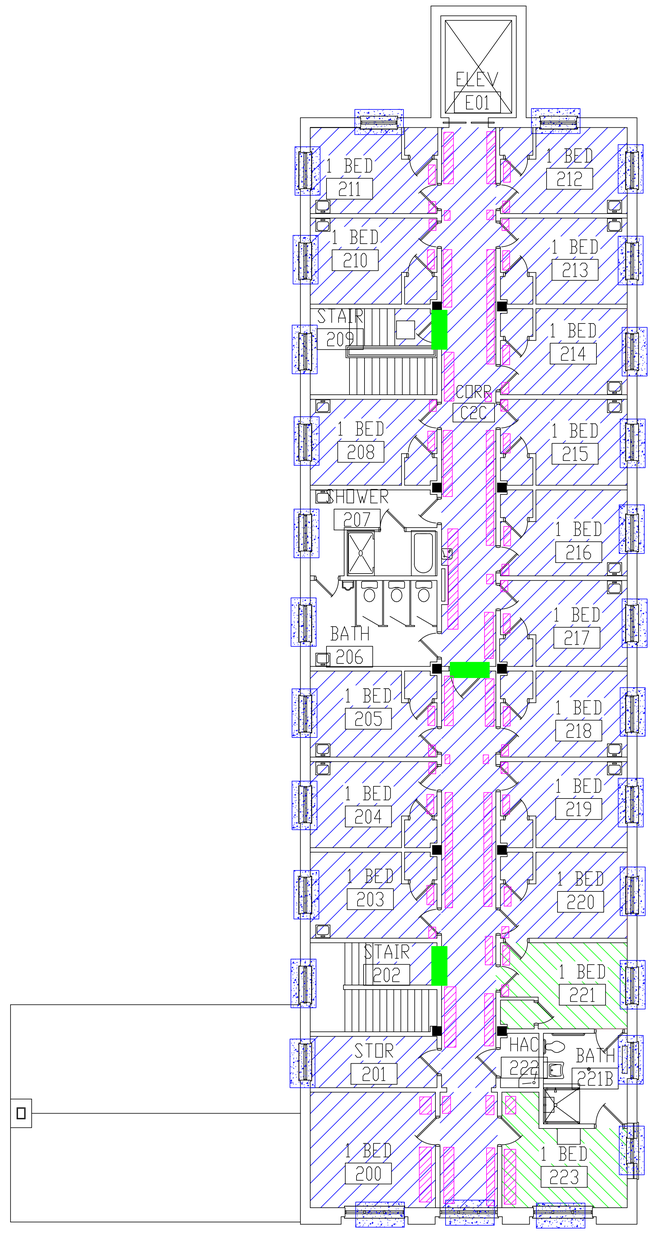
Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET AND FLOOR TILE
- -ASBESTOS-CONTAINING BASEBOARD ADHESIVE
- -ASBESTOS-CONTAINING WINDOW CAULK

BUILDING #9 - SECOND FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 9 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 009 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 3A

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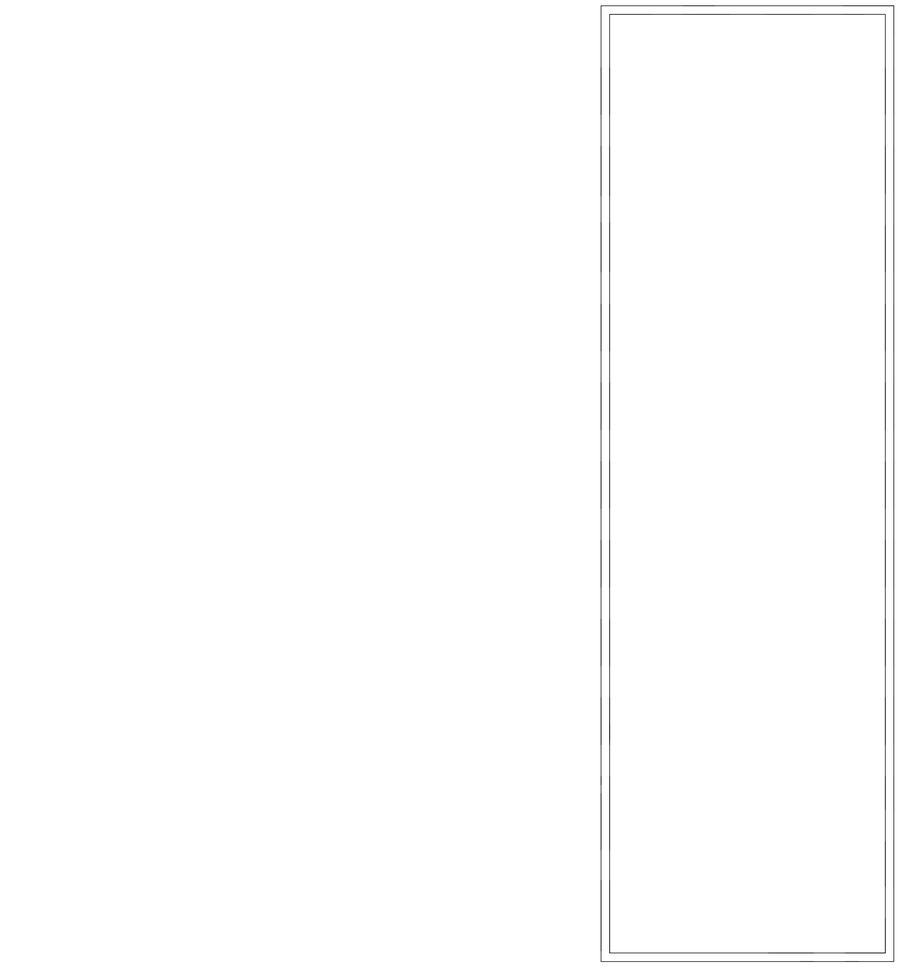
Office of Facilities

Department of Veterans Affairs



BUILDING #9 - ATTIC FLOOR PLAN

NO ACM

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 9
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

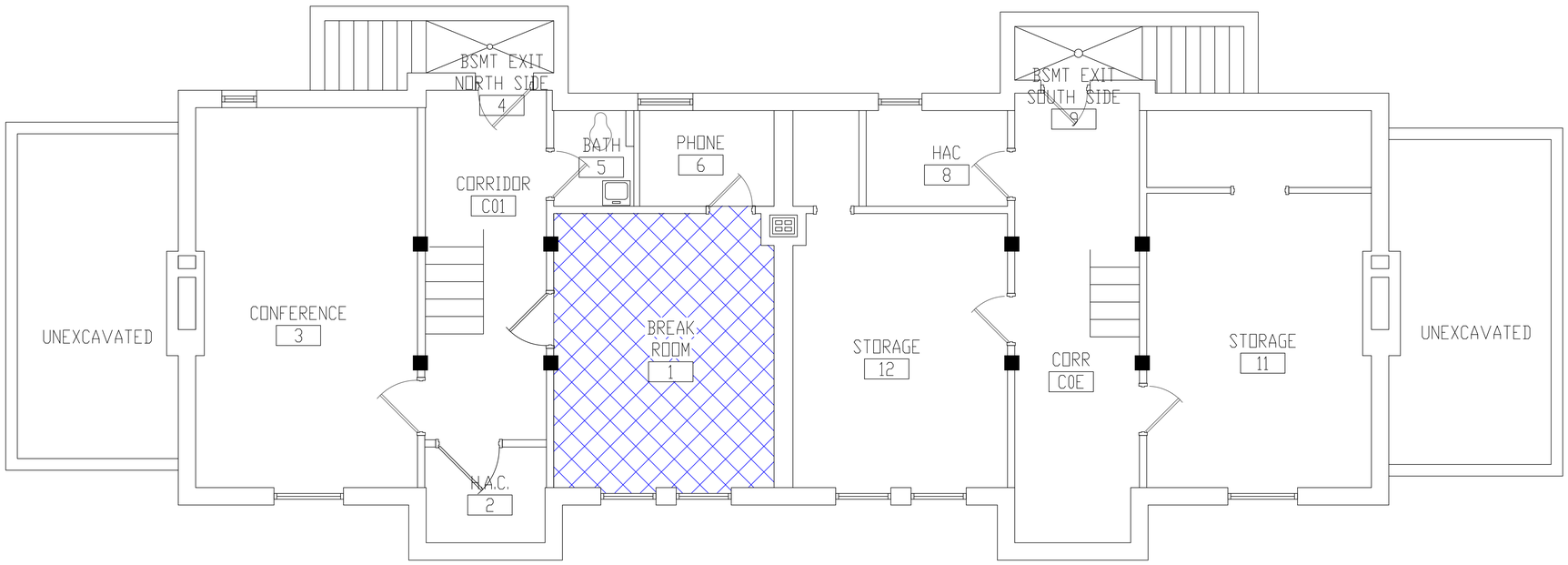
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 009
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 4A
Sheet 26 of 71

Office of Facilities
Department of Veterans' Affairs



BUILDING #10 - BASEMENT FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING FLOOR TILE AND MASTIC

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 10
Scale: 1/4" = 1'-0"

Approved : Division Chief

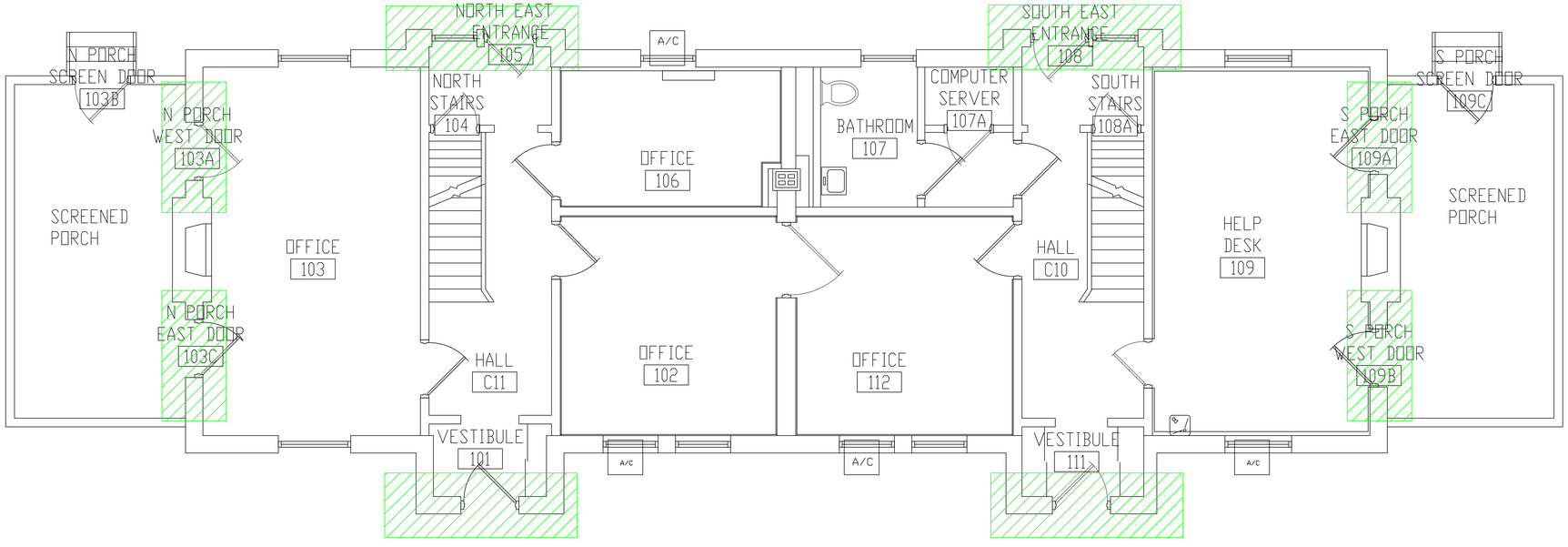
Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 010
Checked: BLB
Drawn: AFS
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No.: 36C26319P1003
Drawing No.: 1A
Sheet 27 of 71

Office of Facilities
Department of Veterans Affairs



BUILDING #10 - FIRST FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING DOOR CAULK

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 10
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 010 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

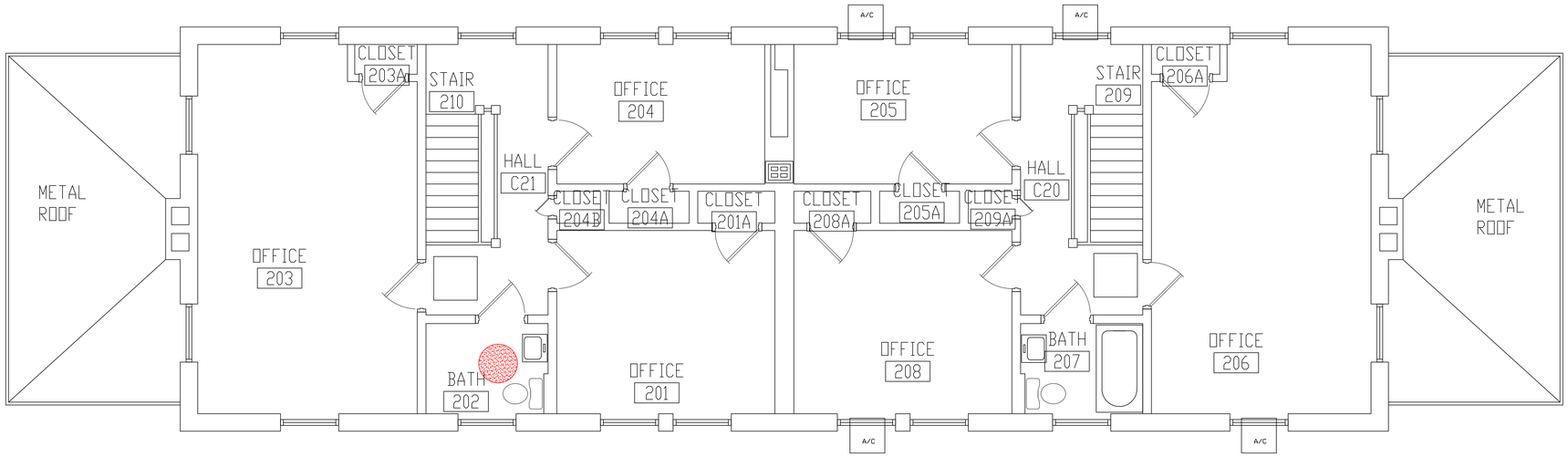
Project No. 36C26319P1003

Drawing No. 2A

Sheet 28 of 71

Office of Facilities

Department of Veterans Affairs



BUILDING #10 - SECOND FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING LIGHT FIXTURE LINER

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 10
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

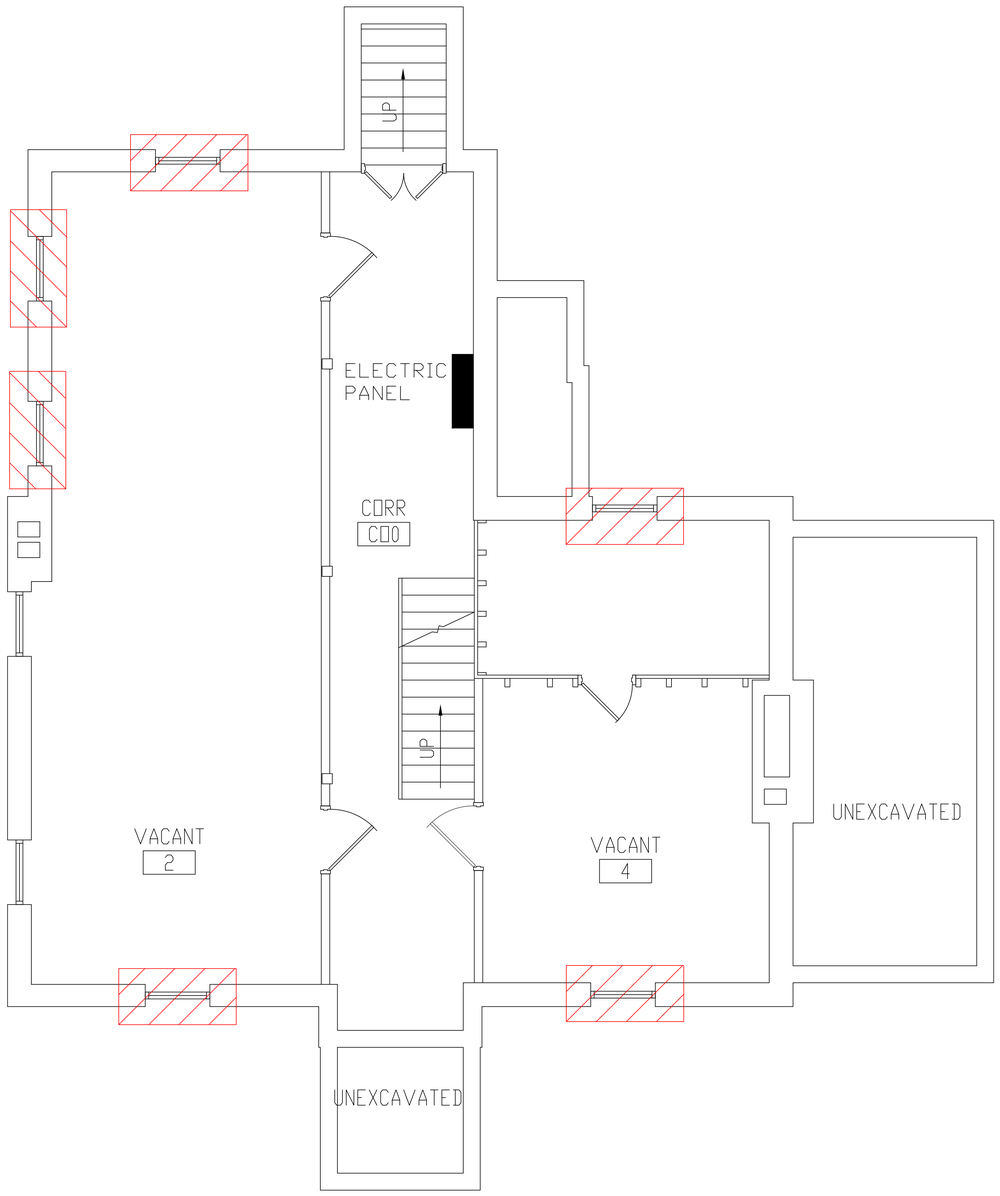
Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 010
Checked: BLB
Drawn: AFS

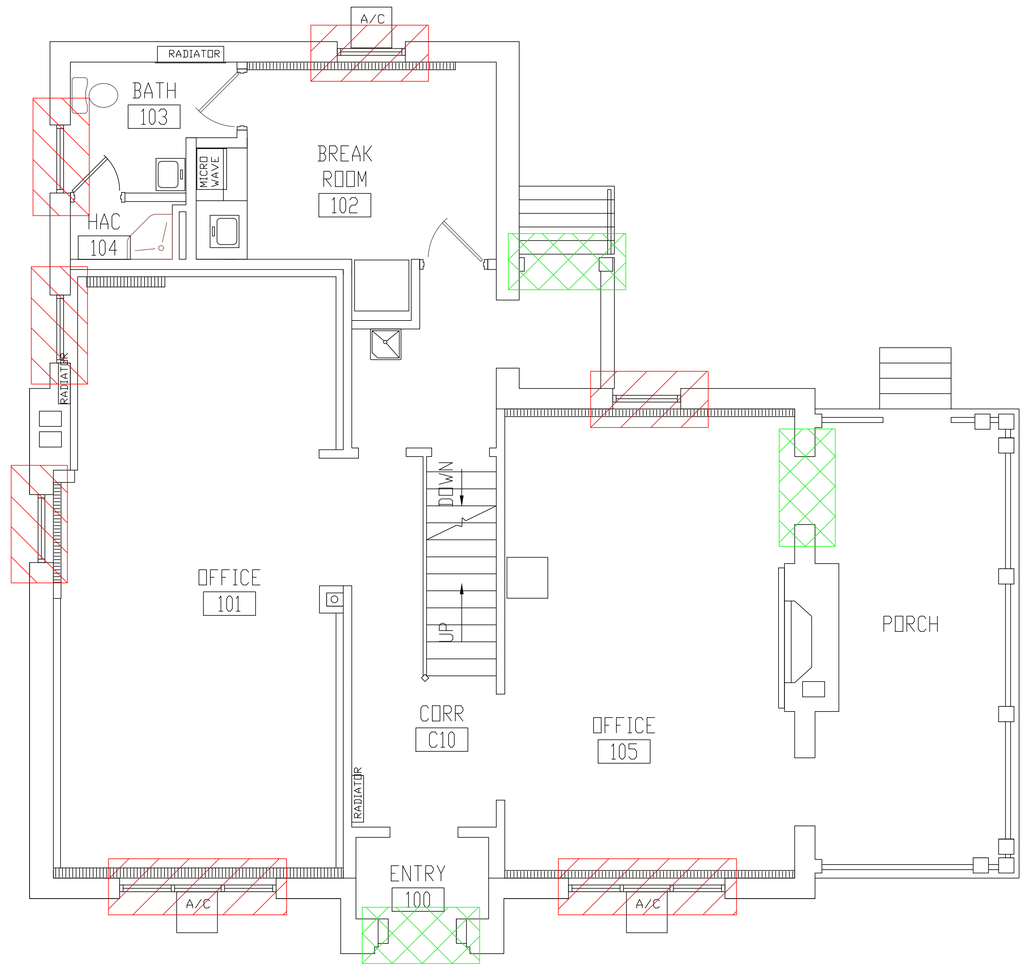
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 3A
Sheet 29 of 71

Office of Facilities
Department of Veterans Affairs



BUILDING #11 - BASEMENT FLOOR PLAN



BUILDING #11 - FIRST FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING WINDOW GLAZING

-ASBESTOS-CONTAINING DOOR CAULK

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 11
Scale- 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

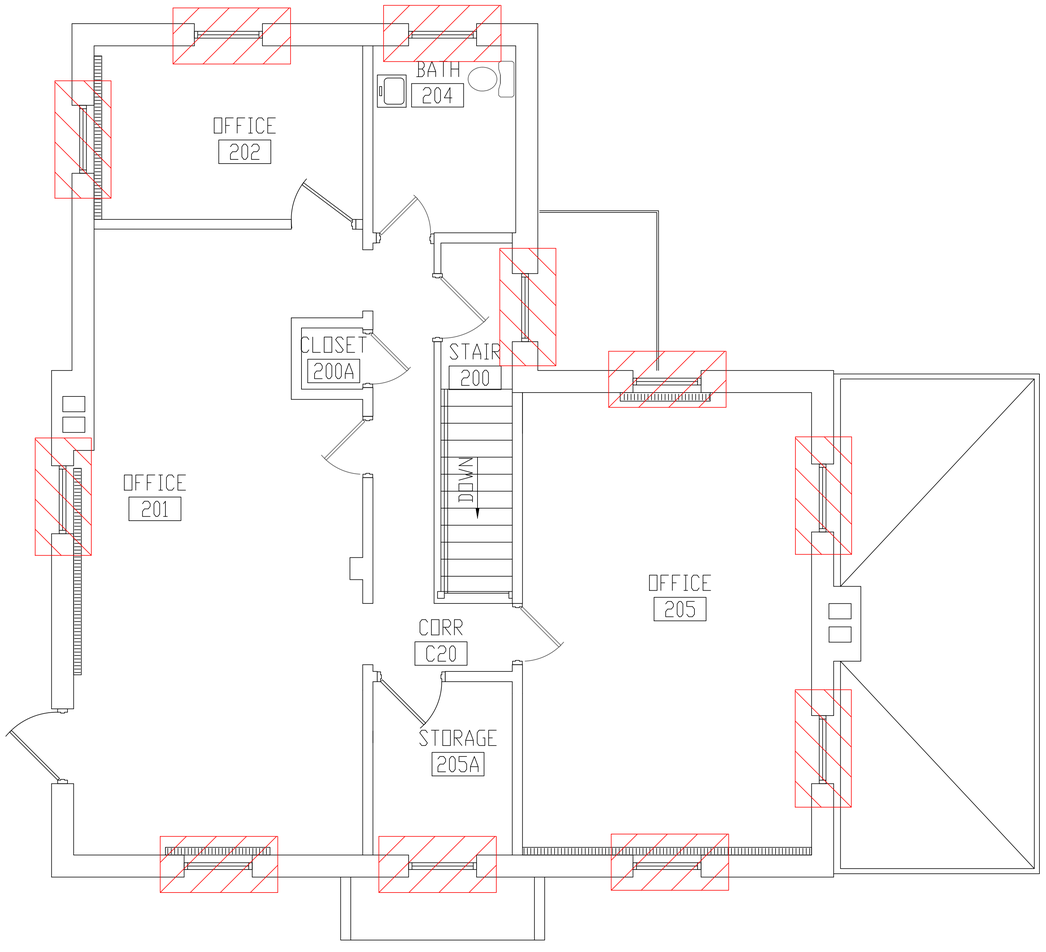
Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 011
Checked: BLB
Drawn: AFS

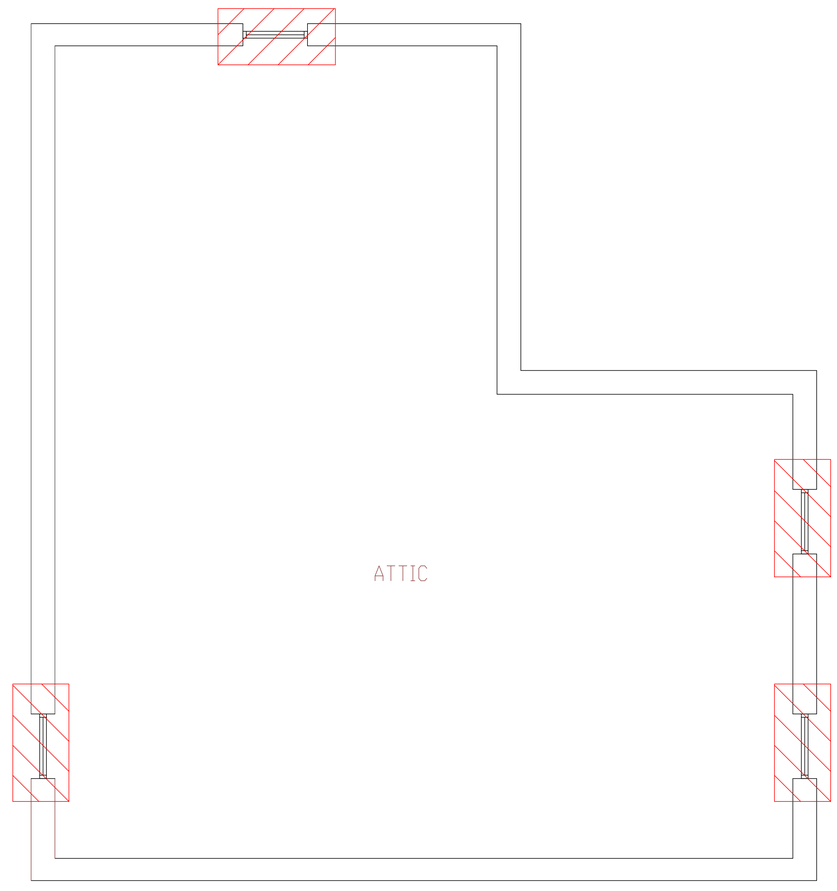
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 30 of 71

Office of Facilities
Department of Veterans Affairs



BUILDING #11 - SECOND FLOOR PLAN



BUILDING #11 - ATTIC FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING WINDOW GLAZING

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 11
Scale: 1/4" = 1'-0"

Approved : Division Chief

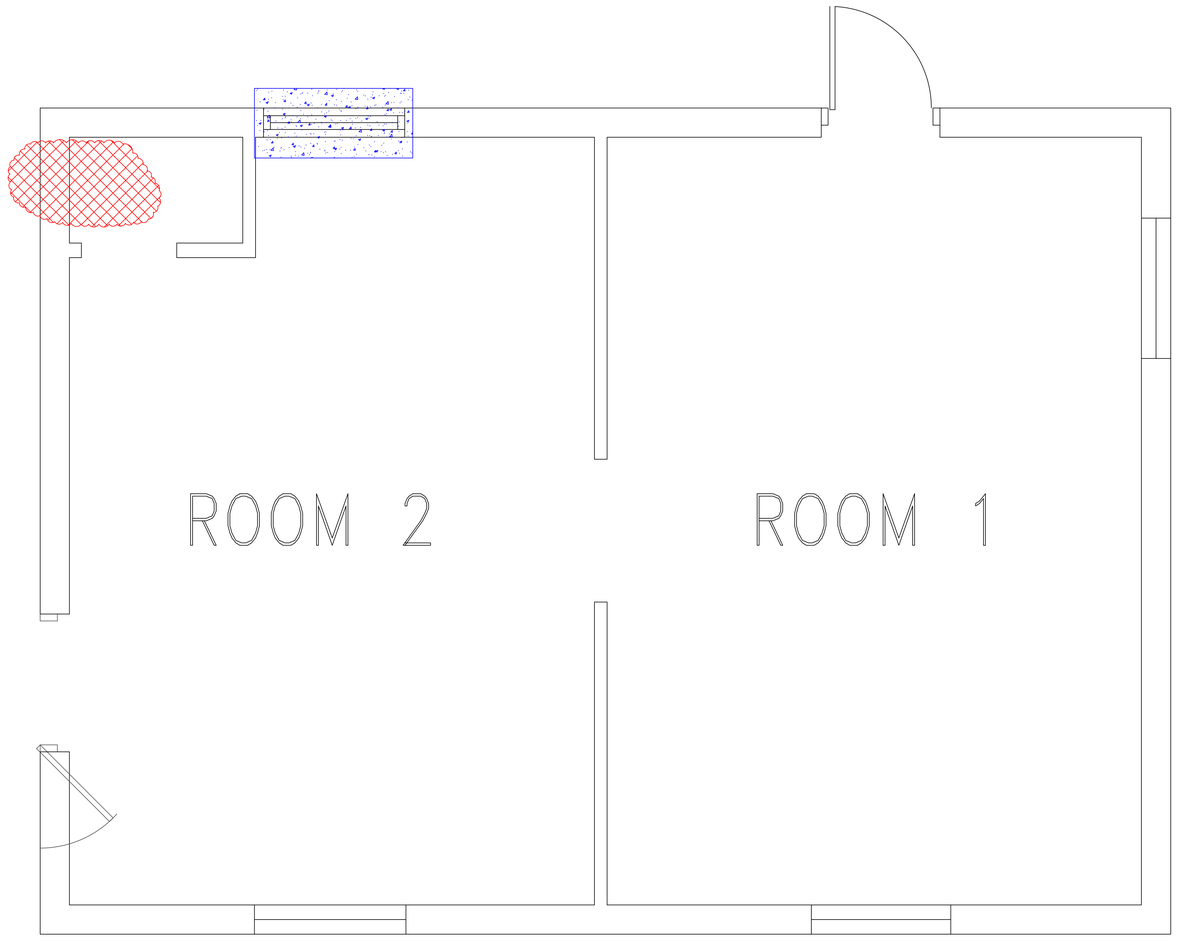
Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 011
Checked: BLB
Drawn: AFS
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 2A
Sheet 31 of 71

Office of Facilities
Department of Veterans Affairs



BUILDING #13 - FIRST FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING PIPE INSULATION IN SUB-FLOOR PIT

-ASBESTOS-CONTAINING WINDOW GLAZING

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 13 Scale: 1/2" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 013 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 1A

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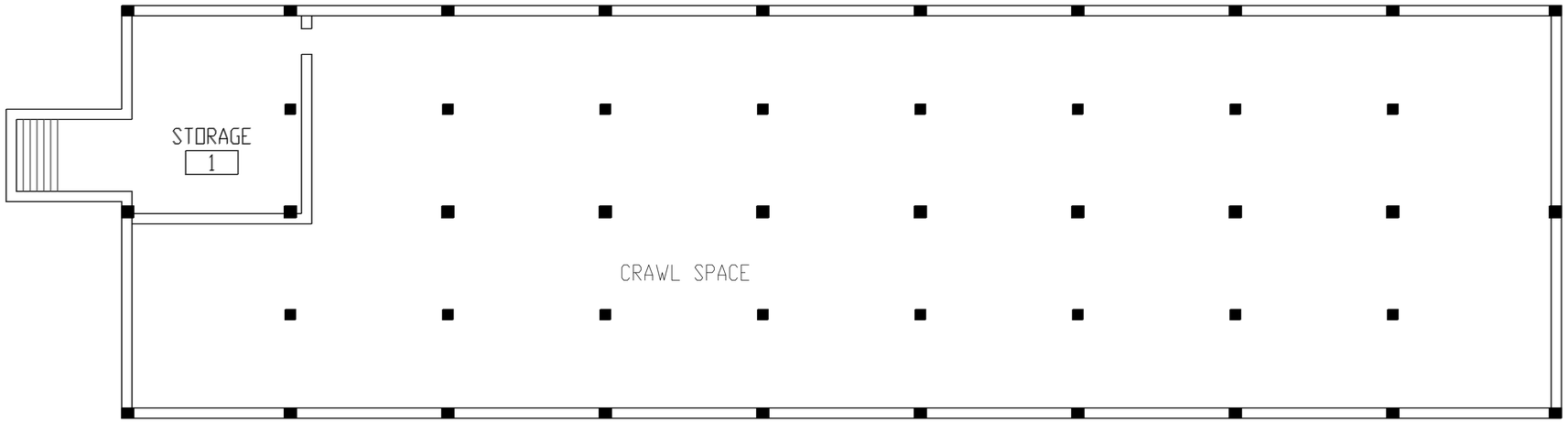
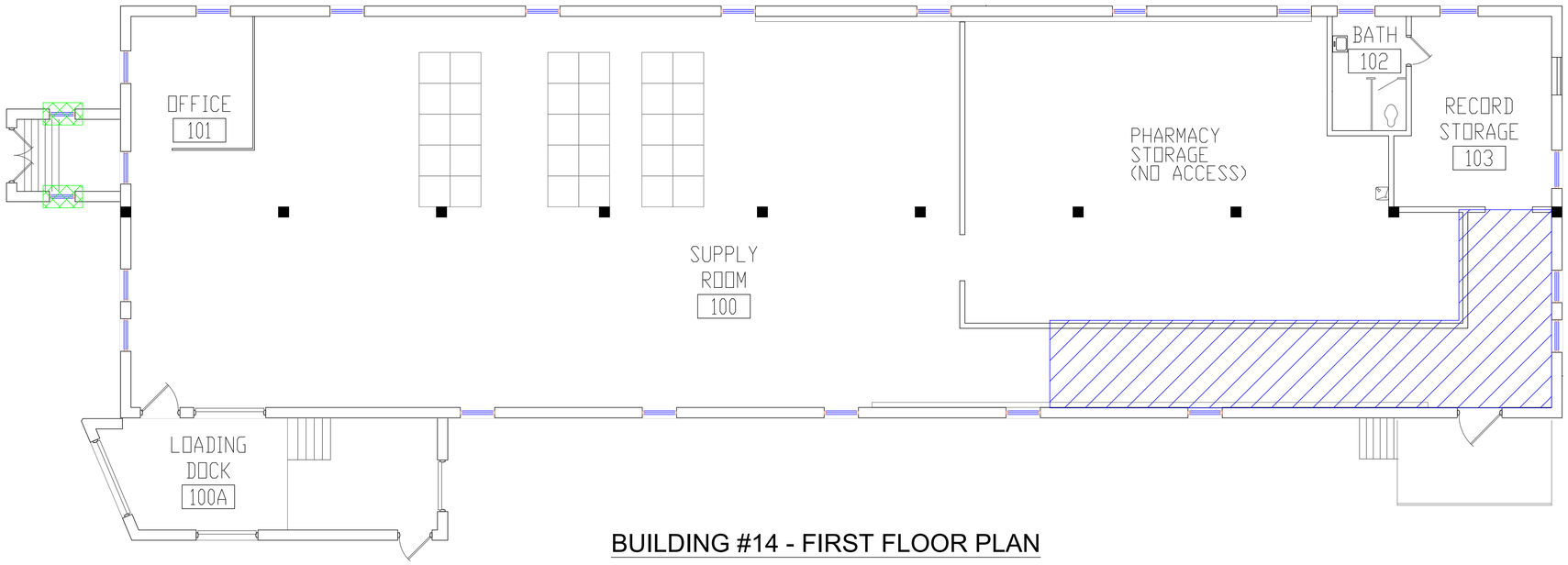
Office of Facilities

Department of Veterans Affairs



BUILDING #14 - BASEMENT FLOOR PLAN



BUILDING #14 - FIRST FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING FLOOR TILE AND MASTIC

-ASBESTOS-CONTAINING WINDOW GLAZING

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 14
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 014 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

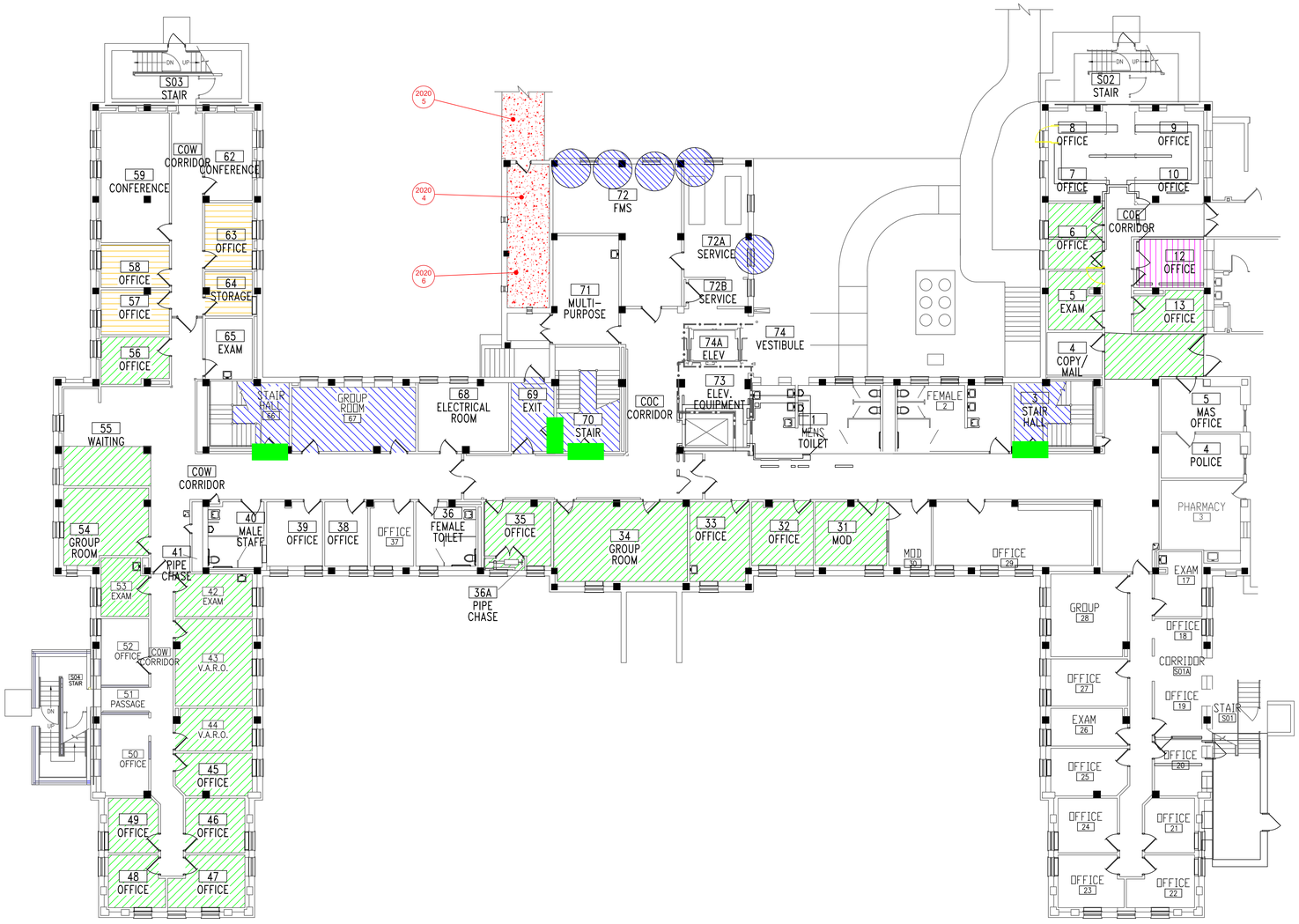
Project No. 36C26319P1003

Drawing No. 1A

Sheet 33 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- 2020 00 -SAMPLE LOCATION
- 2020 00 -POSITIVE SAMPLE LOCATION
- -ASBESTOS-CONTAINING PIPE INSULATION IN CEILING PENETRATIONS
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING DEBRIS IN DIRT CRAWLSPACE
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET AND FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER FLOOR FILLER AND CARPET
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET

BUILDING #28 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 28 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 028 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

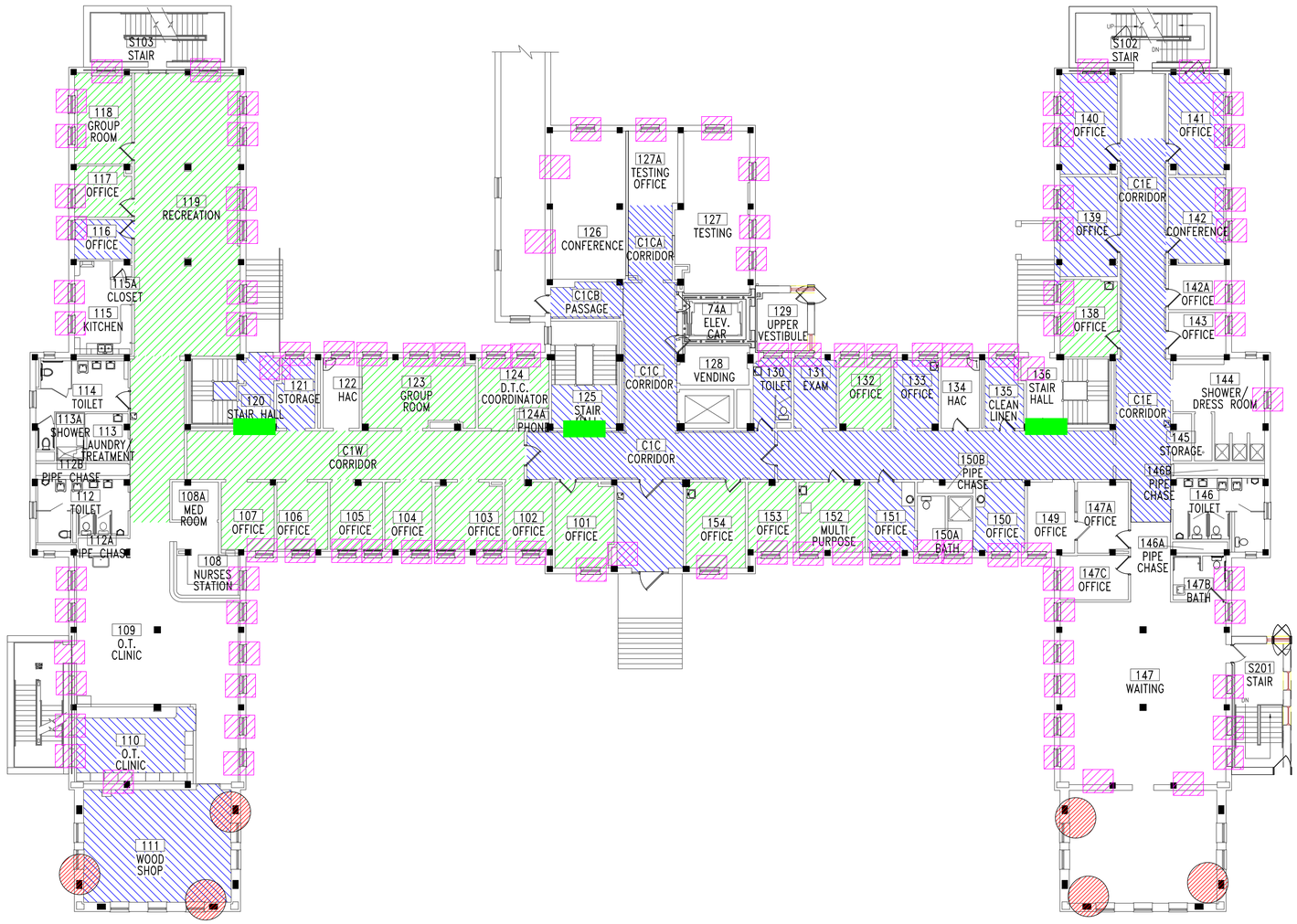
Project No. 36C26319P1003

Drawing No. 1A

Sheet 34 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING CONVECTOR INSULATION
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET AND FLOOR TILE

BUILDING #28 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 28 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 028 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 2A

Sheet 35 of 71

Office of Facilities

Department of Veterans Affairs

BUILDING #28 - SECOND FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 28
Scale: 1/8" = 1'-0"

Approved : Division Chief

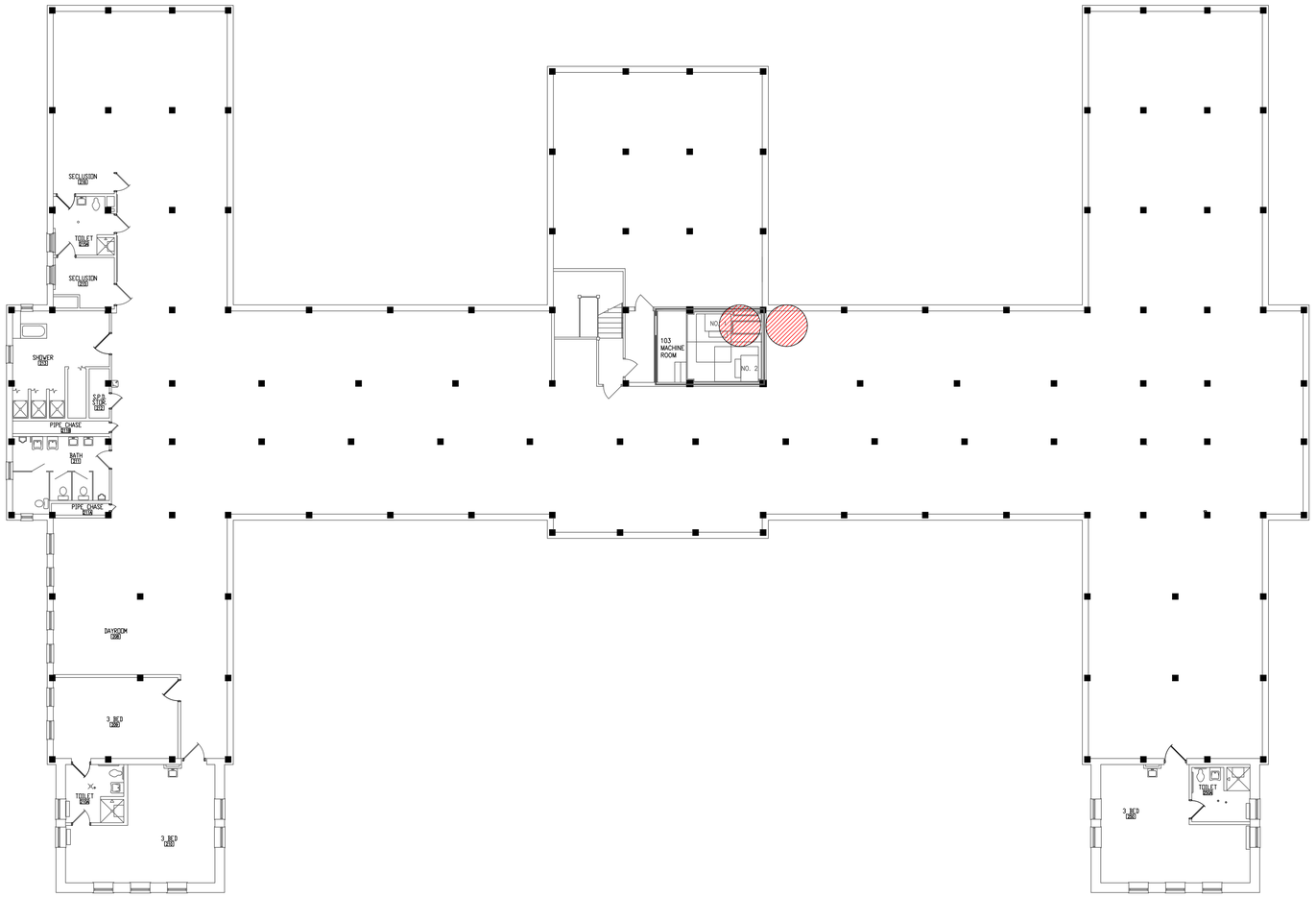
Approved : Service Director

Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 028
Checked: BLB
Drawn: AFS
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 3A
Sheet 36 of 71

Office of Facilities
Department of Veterans Affairs



BUILDING #28 - ATTIC FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING PIPE INSULATION AND FITTINGS

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 28
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

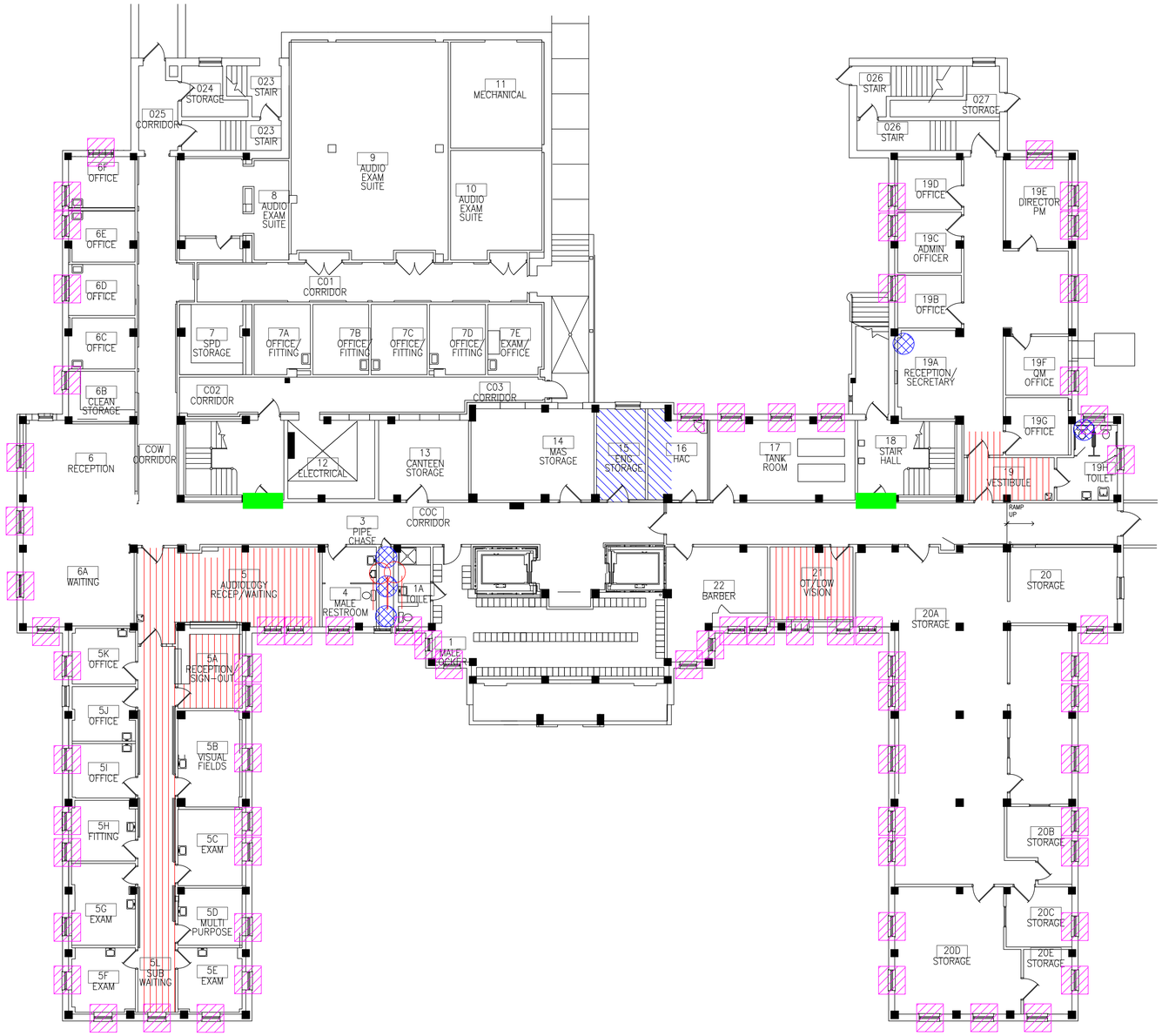
Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 028
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 4A
Sheet 37 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12" FLOOR TILE
- -ASBESTOS-CONTAINING BLACK MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING WINDOW CAULK

BUILDING #29 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 29
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

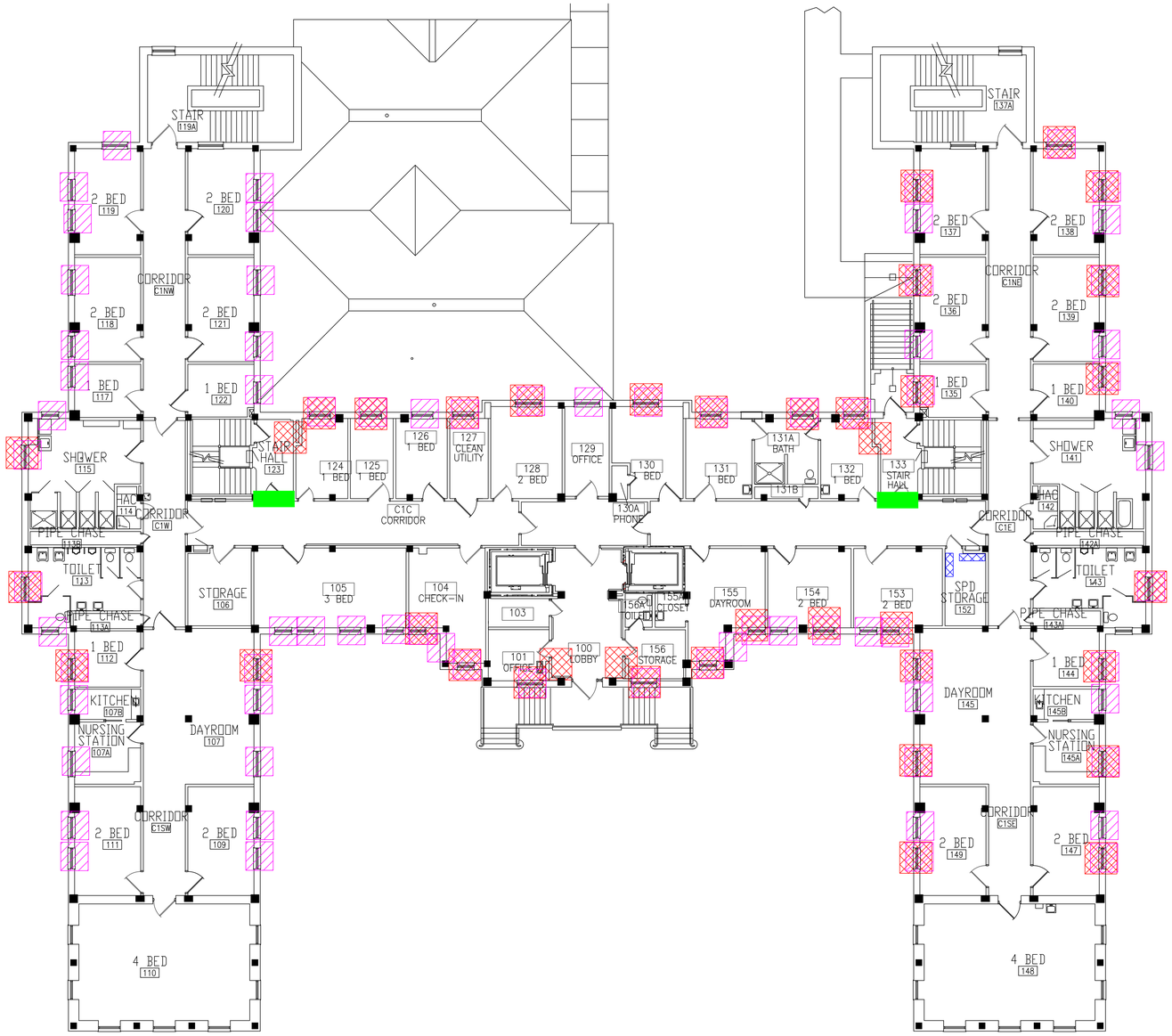
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 029
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 38 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING BASE COVE ADHESIVE
- -ASBESTOS-CONTAINING WINDOW CAULK
- -ASBESTOS-CONTAINING CONVECTOR REFRACTORY

BUILDING #29 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 29
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 029
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

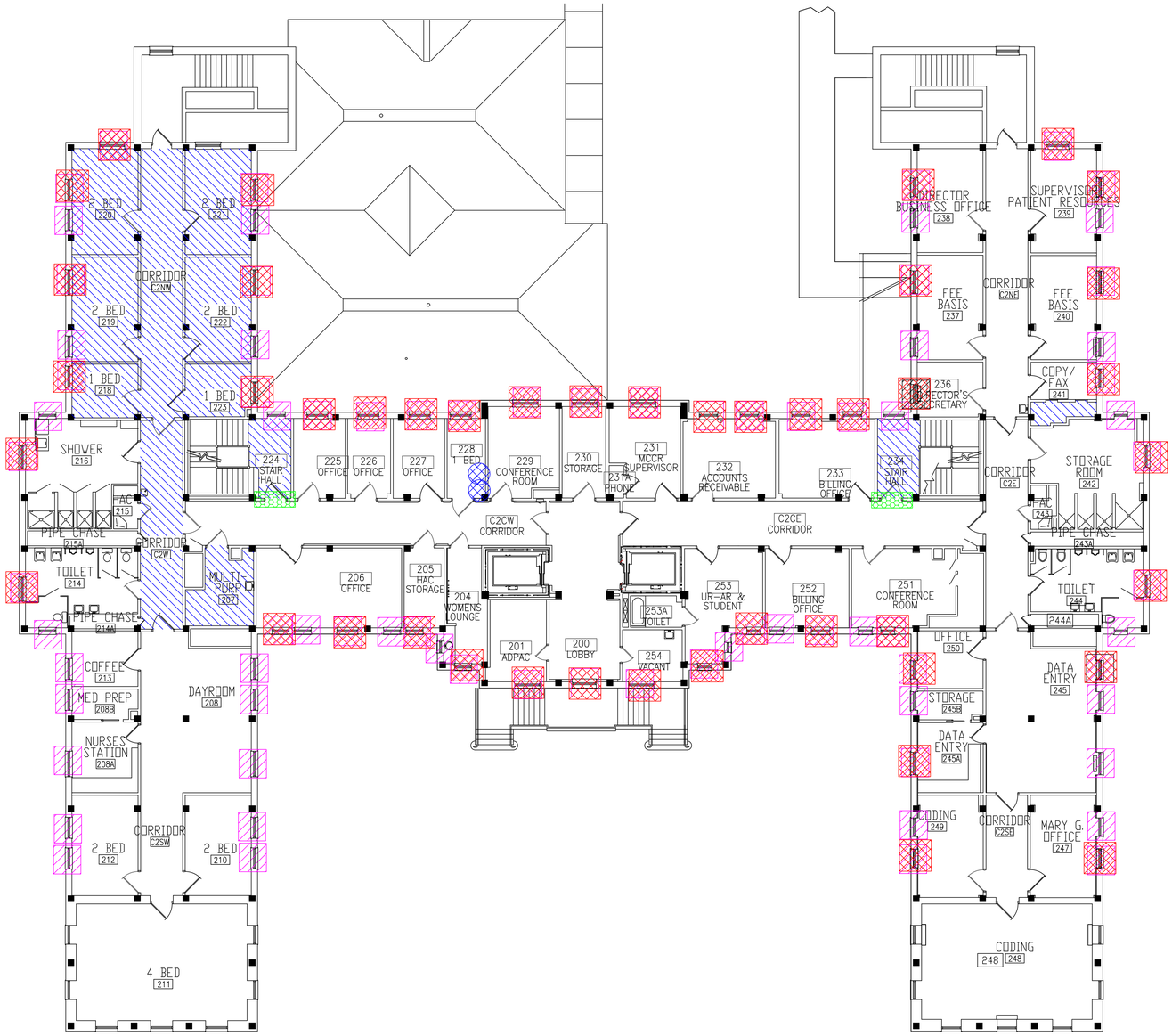
Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 2A
Sheet 39 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12" FLOOR TILE
- -ASBESTOS-CONTAINING WINDOW CAULK
- -ASBESTOS-CONTAINING CONVECTOR REFRACTORY

BUILDING #29 - SECOND FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 29
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 029
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 3A

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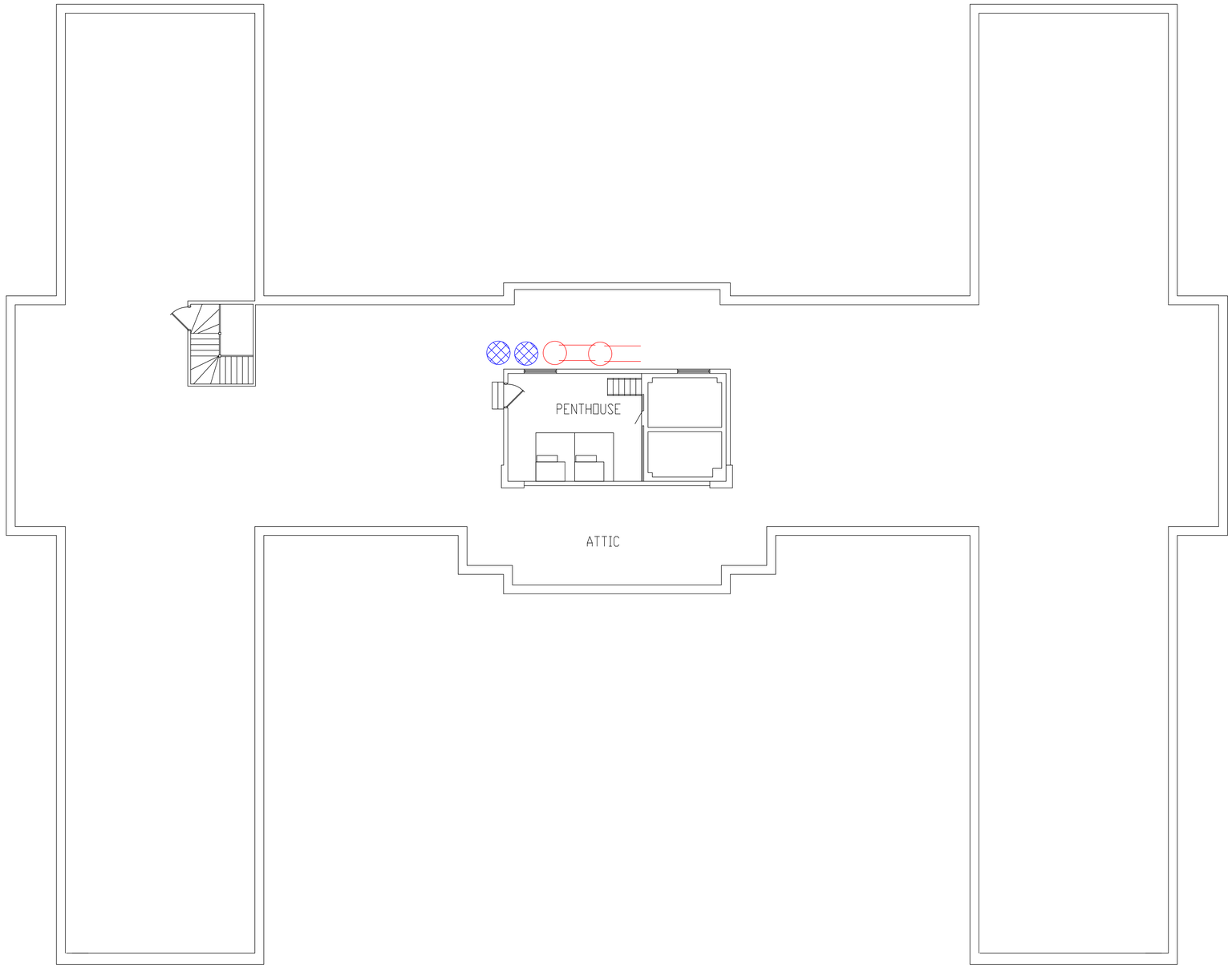
Office of Facilities

Department of Veterans Affairs



BUILDING #29 - ATTIC FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)

-ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 29 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 029 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No.: 36C26319P1003

Drawing No.: 4A

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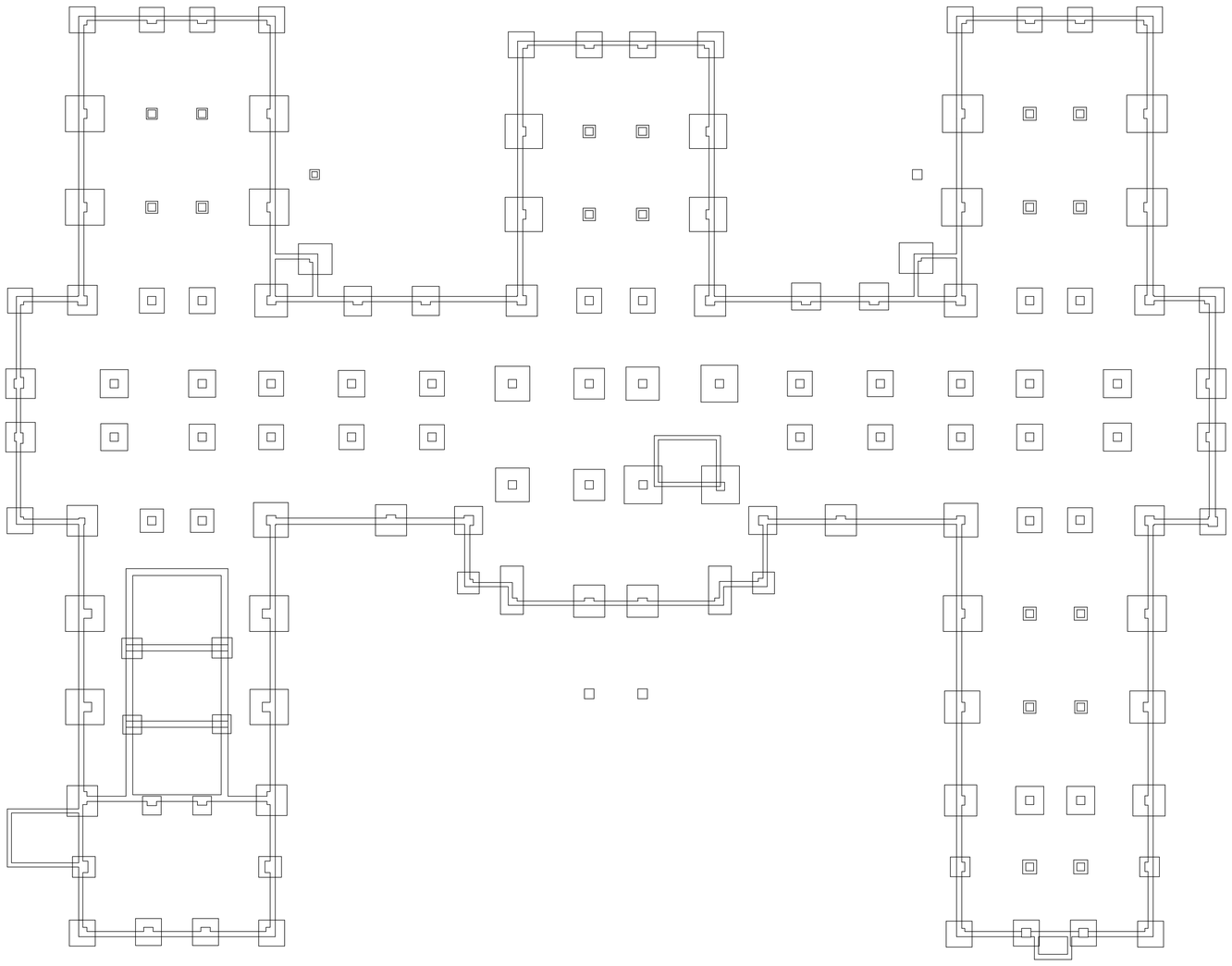
Office of Facilities

Department of Veterans Affairs



BUILDING #48 - CRAWLSPACE FLOOR PLAN

NO ACM

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 48
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

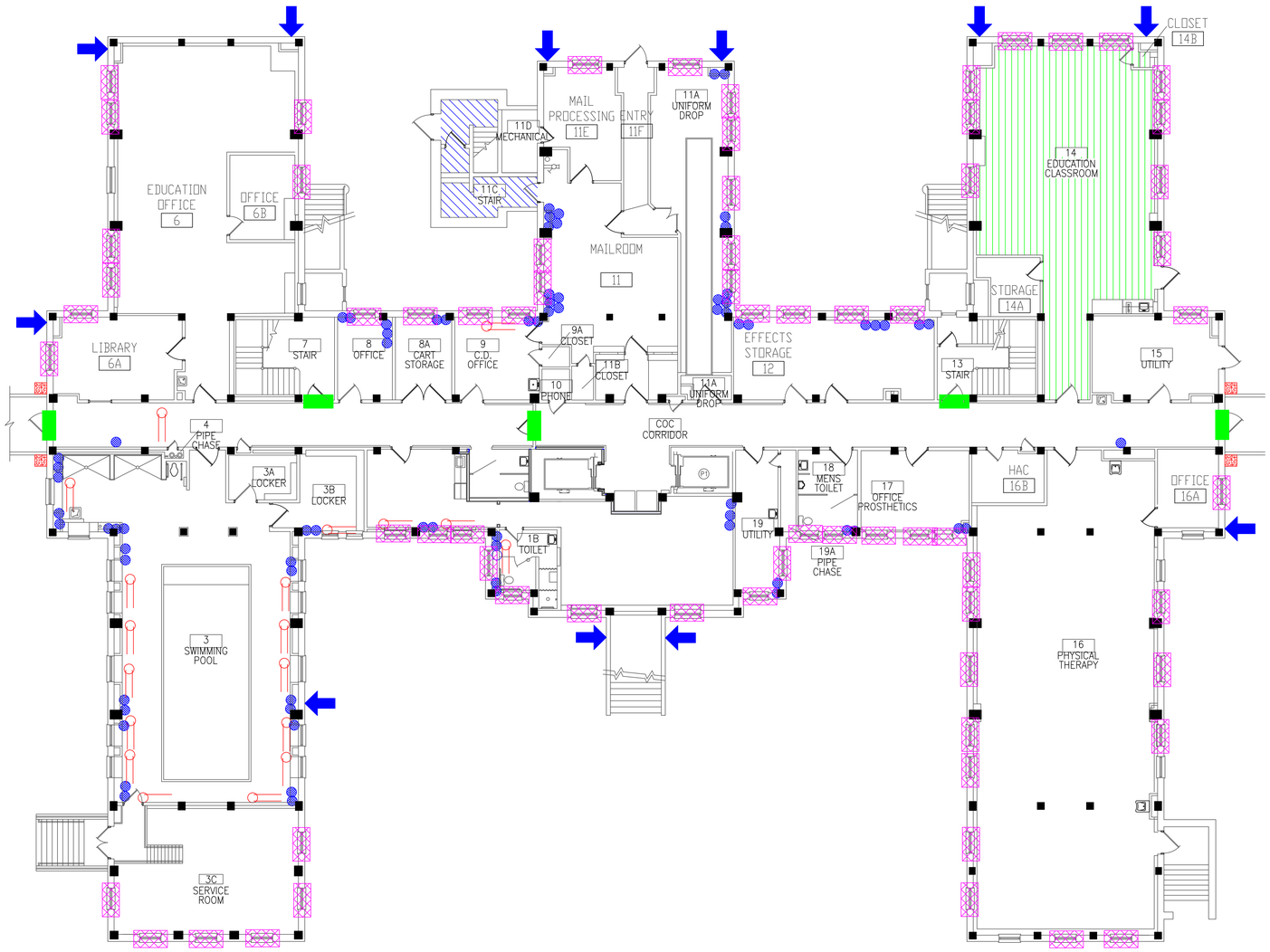
Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 048
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No.: 36C26319P1003
Drawing No.: 1A
Sheet 42 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING WINDOW CAULK AND INTERIOR GLAZING
- -ASBESTOS-CONTAINING VENT CAULK
- -ASBESTOS-CONTAINING BRICK SEAM CAULK

BUILDING #48 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 48
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

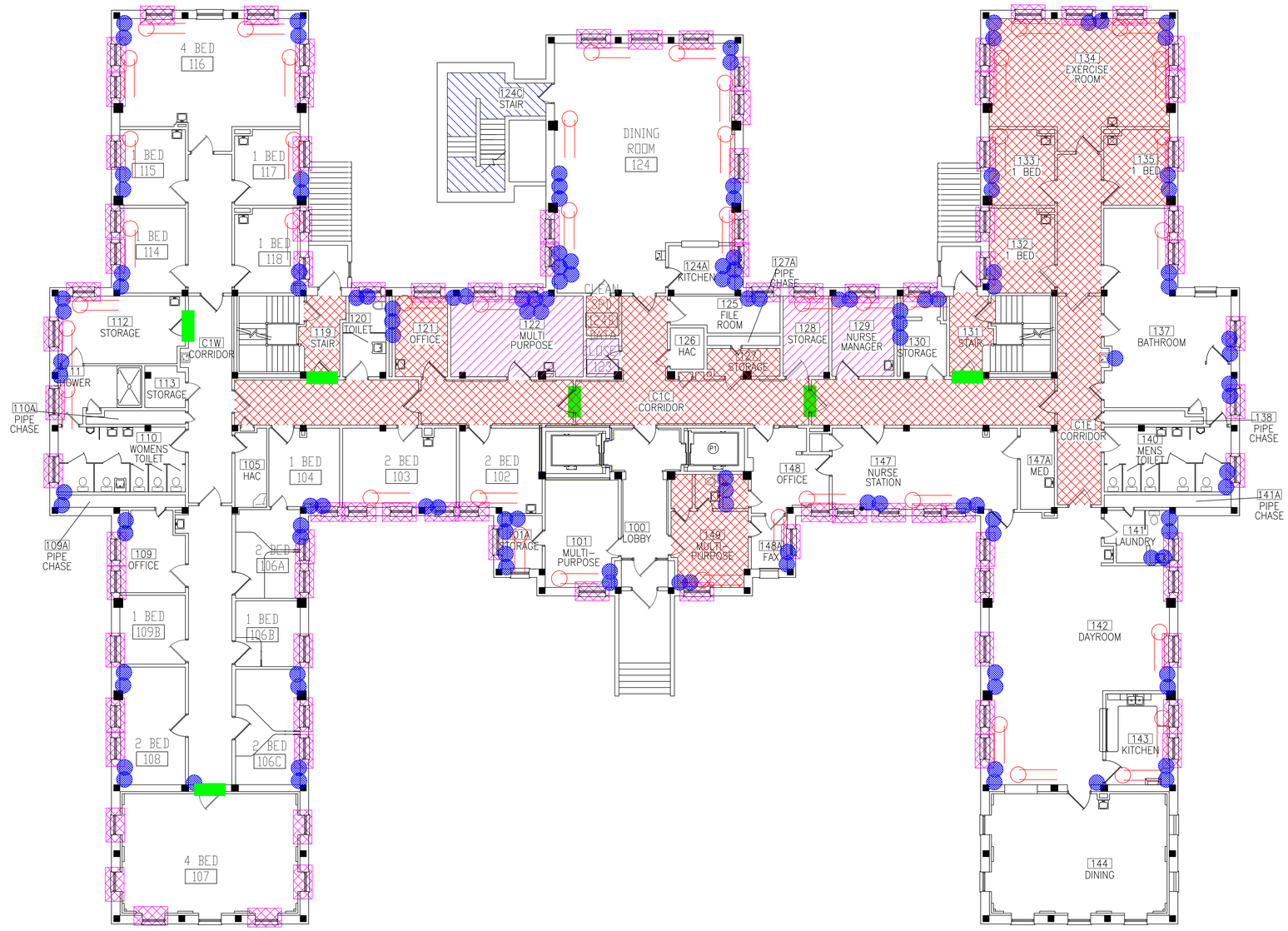
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 048
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 2A
Sheet 43 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING 9"X9" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING WINDOW CAULK AND INTERIOR GLAZING

BUILDING #48 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 48
Scale: 1/8" = 1'-0"

Approved : Division Chief

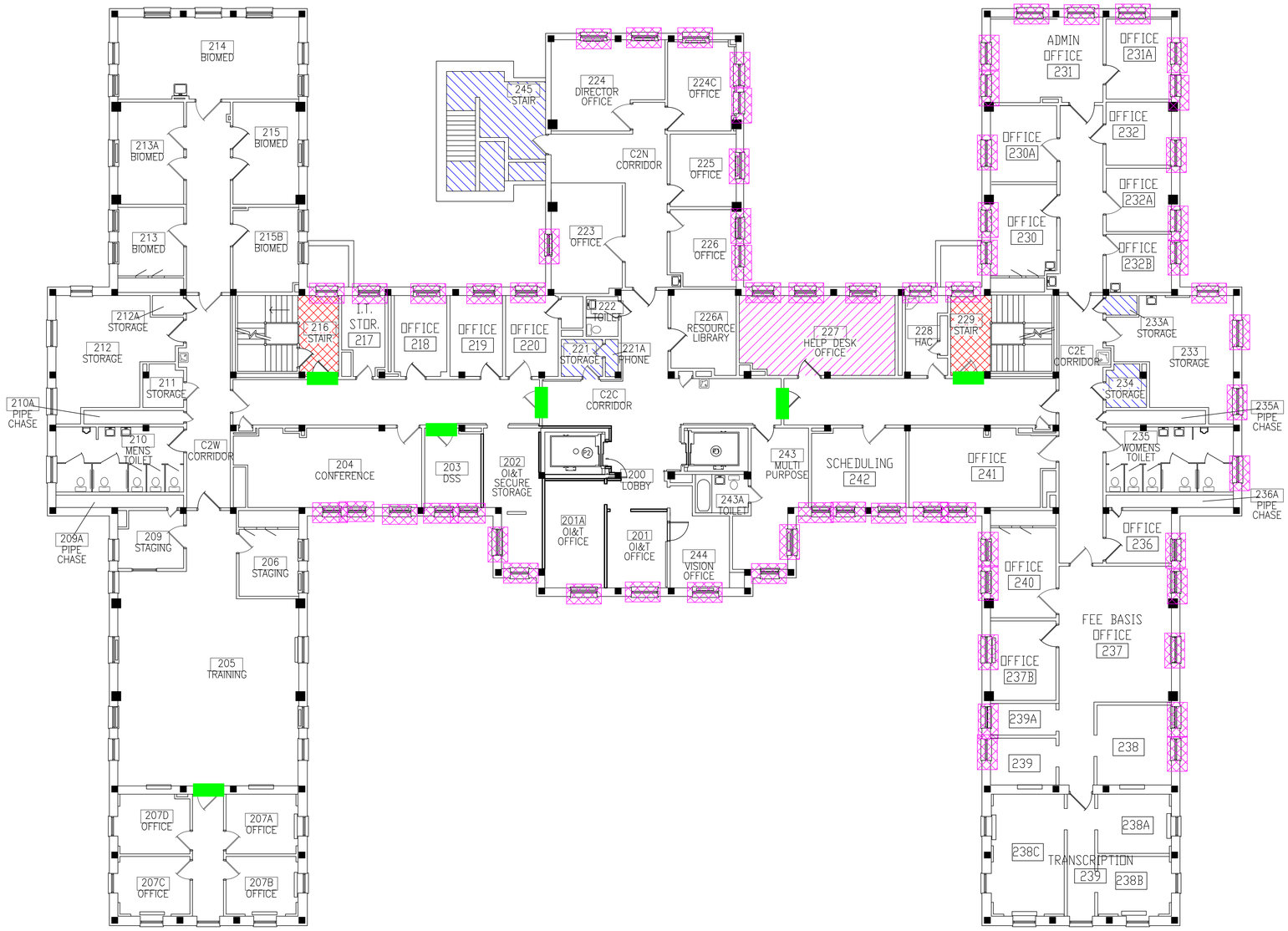
Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 048
Checked: BLB
Drawn: AFS
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No.: 36C26319P1003
Drawing No.: 3A
Sheet 44 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING 9"X9" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING WINDOW CAULK AND INTERIOR GLAZING

BUILDING #48 - SECOND FLOOR PLAN

Revisions | Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

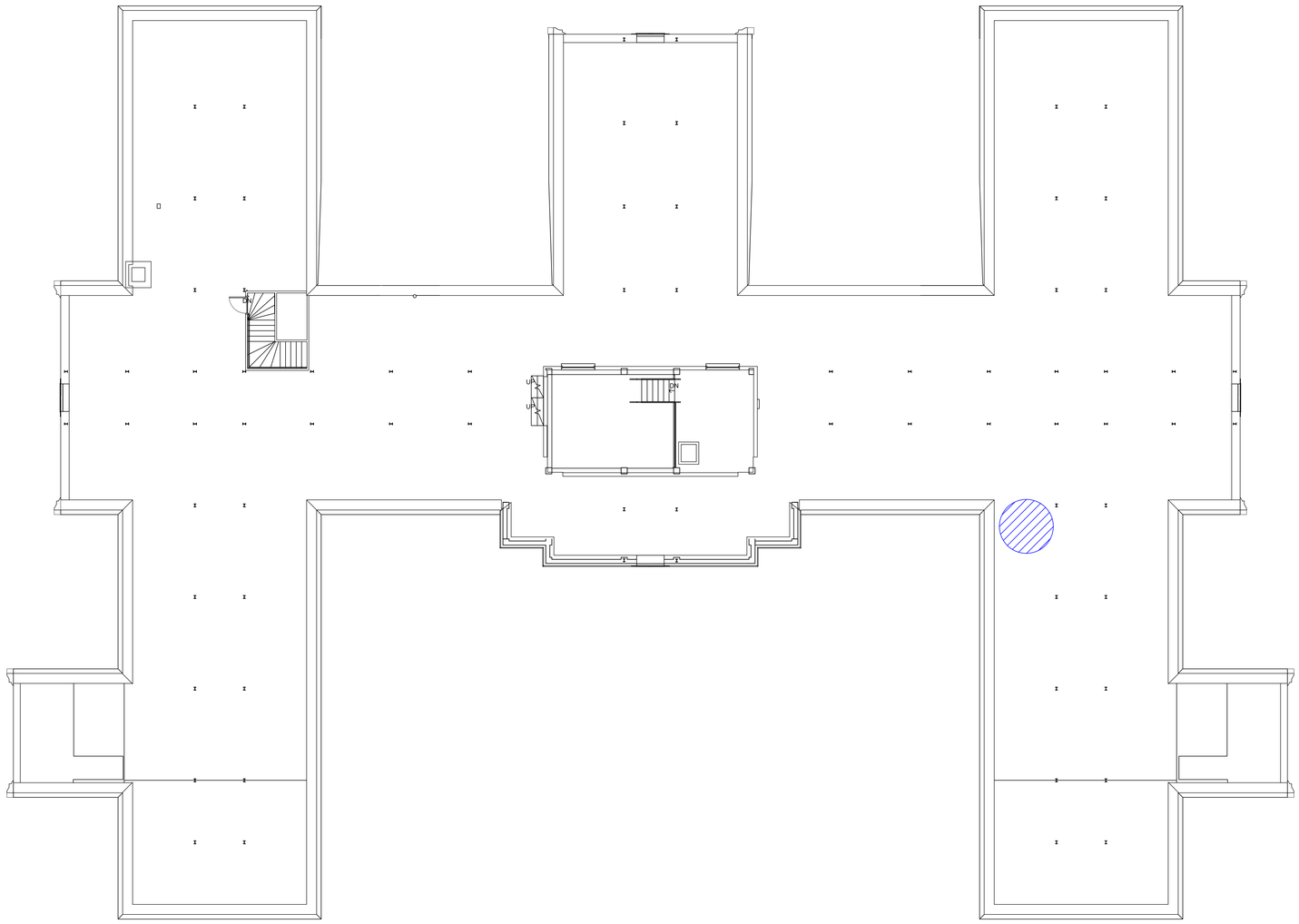
Professional Seal:

North:

Drawing Title	ARCHITECTURAL PLAN BUILDING 48 Scale: 1/8" = 1'-0"
Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA
Date	NOVEMBER 2019
Project No.	36C26319P1003
Approved : Division Chief	
Approved : Service Director	
Building Number	048
Checked	BLB
Drawn	AFS
Location	ST. CLOUD, MINNESOTA
Drawing No.	4A
Sheet 45 of 71	

Office of Facilities

Department of Veterans Affairs



BUILDING #48 - ATTIC FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING DUCT SEAM SEALANT (BLACK)

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 48
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

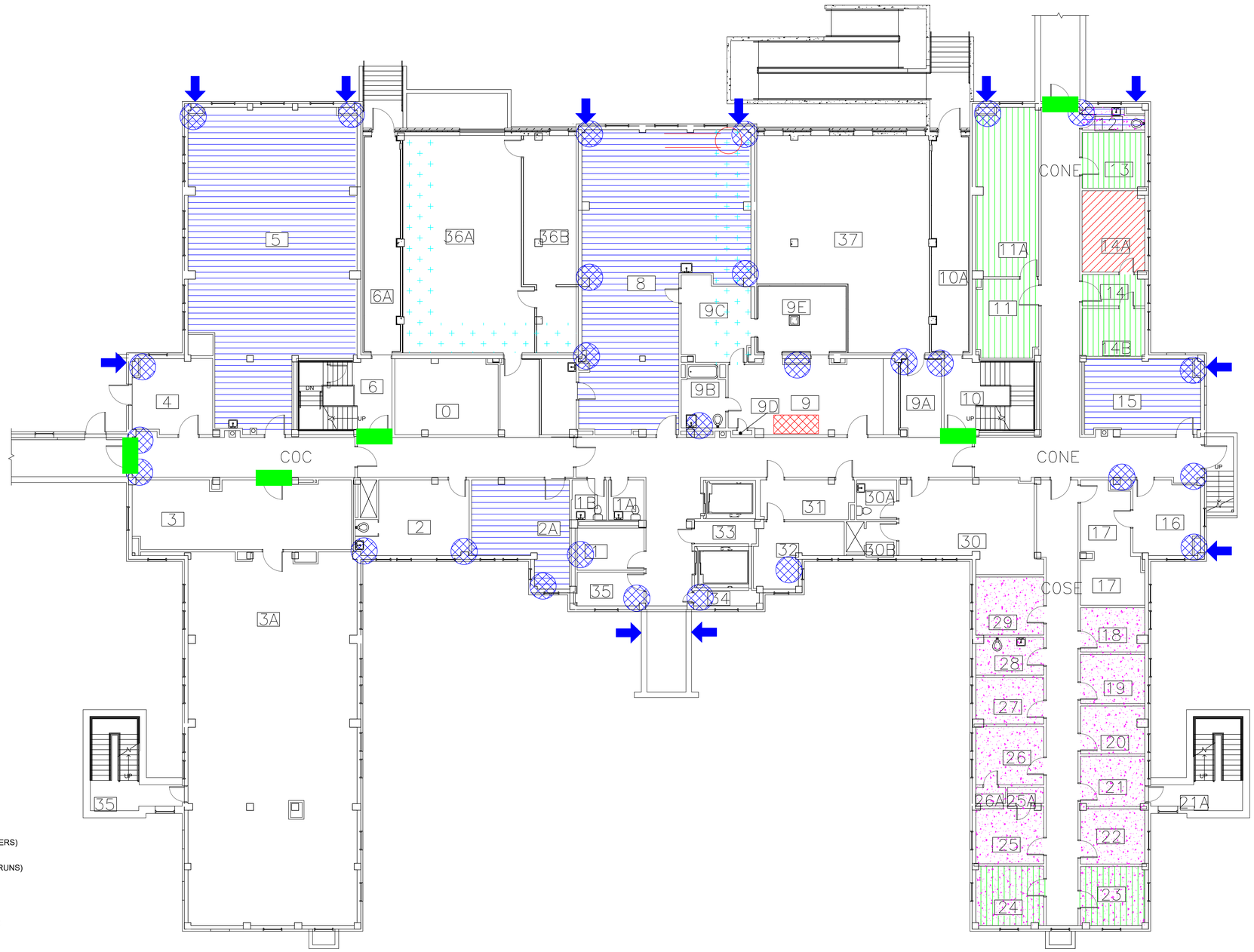
Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 048
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No.: 36C26319P1003
Drawing No.: 5A
Sheet 46 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING 12"X12" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING WALL WATERPROOFING
- -ASBESTOS-CONTAINING LAY-IN CEILING PANELS
- -ASBESTOS-CONTAINING SINK SOUND DEADENER
- -ASBESTOS-CONTAINING VENT CAULK

BUILDING #49 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 49
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

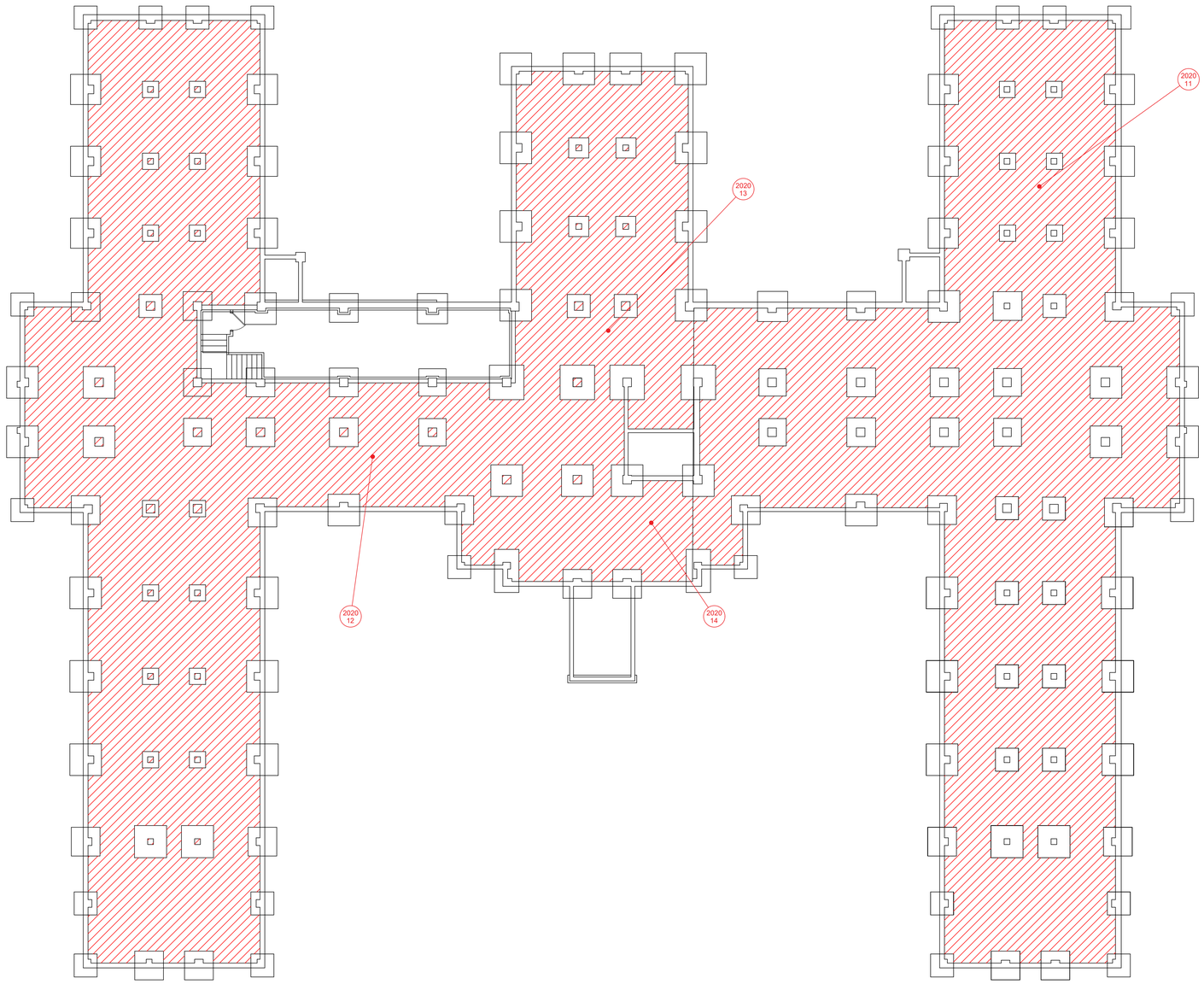
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 049
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No.: 36C26319P1003
Drawing No.: 2A
Sheet 48 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

2020 00 -SAMPLE LOCATION

2020 00 -POSITIVE SAMPLE LOCATION

-ASBESTOS-CONTAMINATED SOIL

BUILDING #49 - CRAWLSPACE FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 49 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 049 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

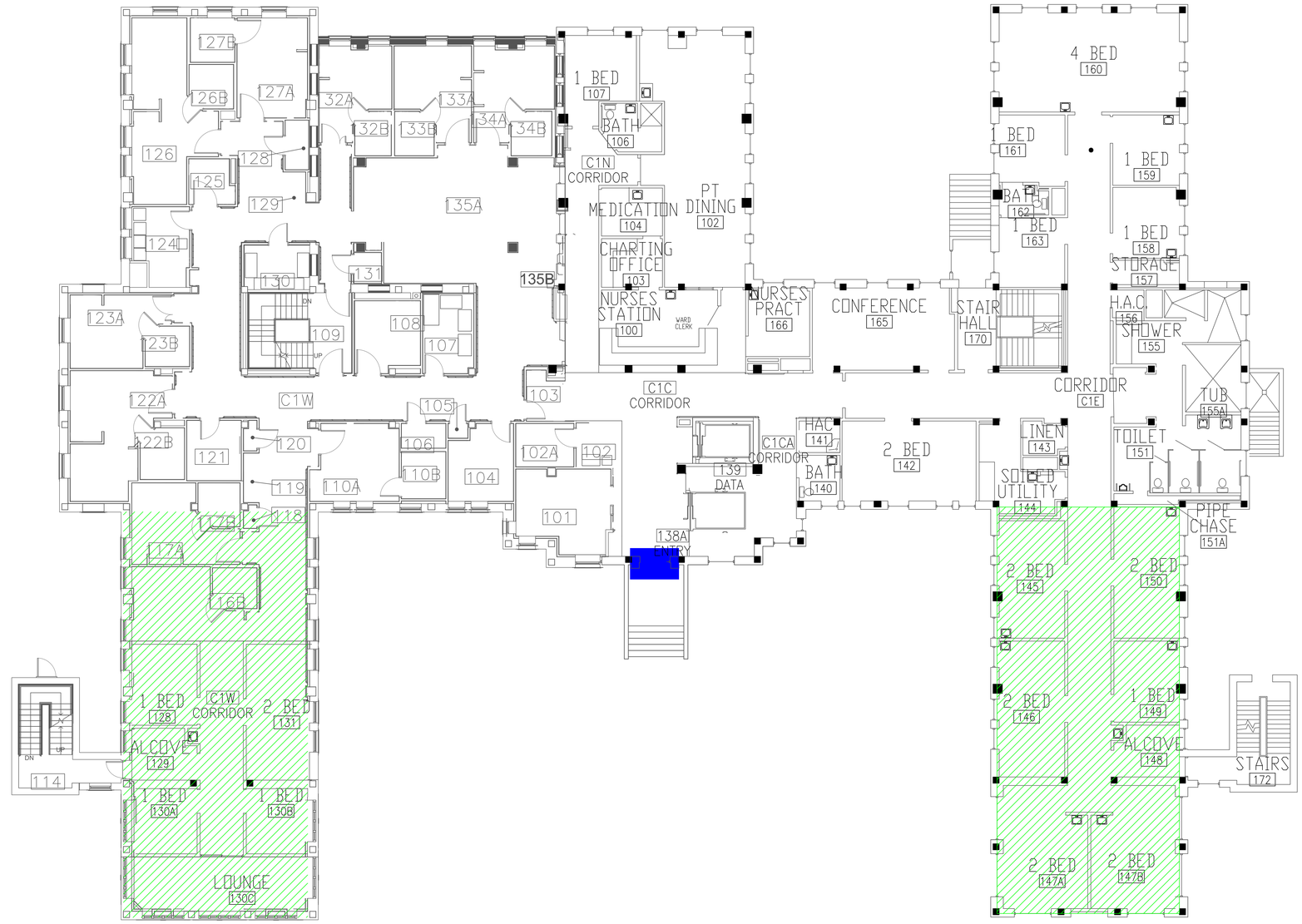
Project No. 36C26319P1003

Drawing No. 1A

Sheet 47 of 71

Office of Facilities

Department of Veterans Affairs



BUILDING #49 - FIRST FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING DOOR CAULK

-ASBESTOS-CONTAINING DUCT SEAM CAULK

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 49
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

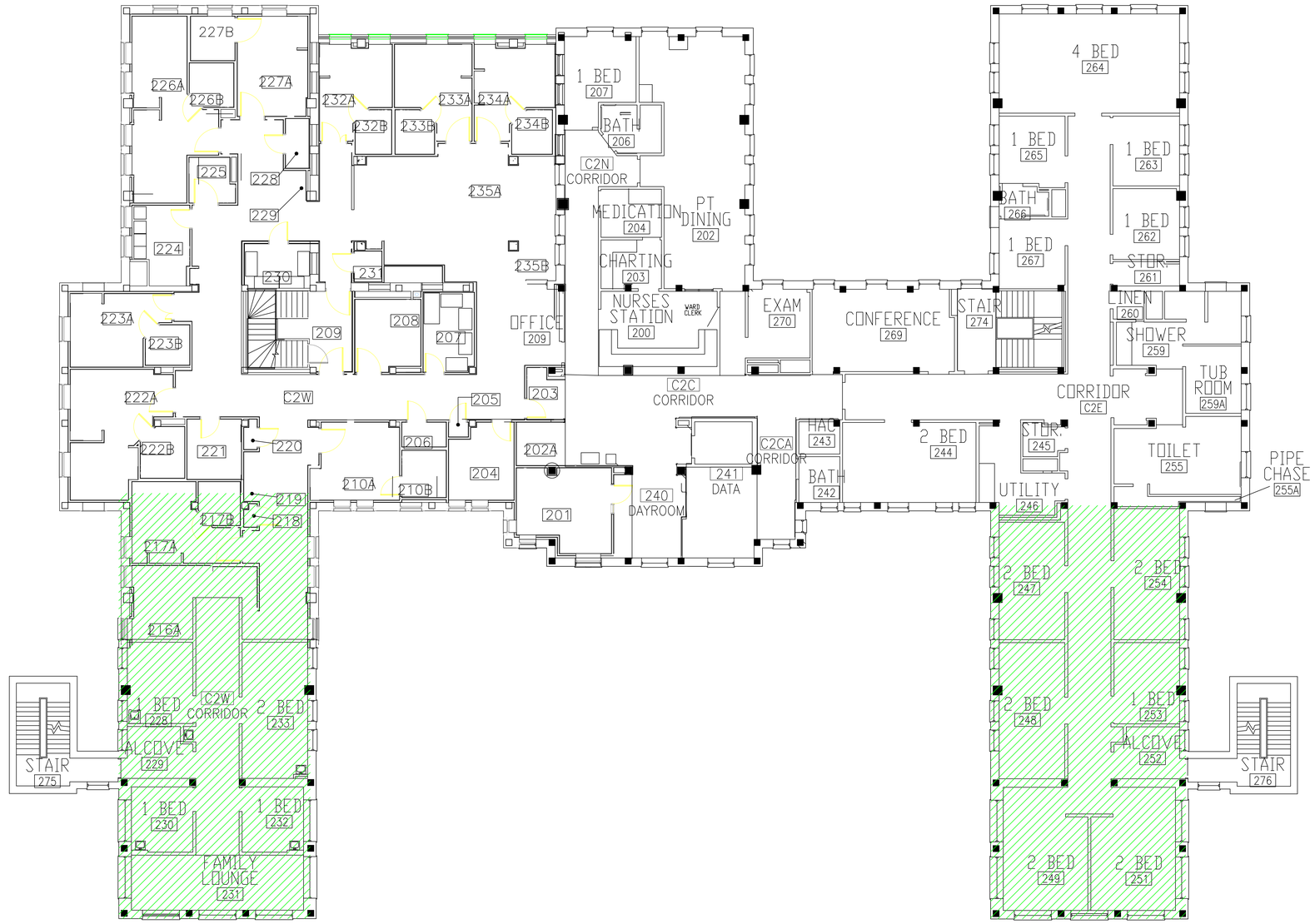
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 049
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 3A
Sheet 49 of 71

Office of Facilities
Department of Veterans Affairs



BUILDING #49 - SECOND FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING DUCT SEAM CAULK

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 49
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

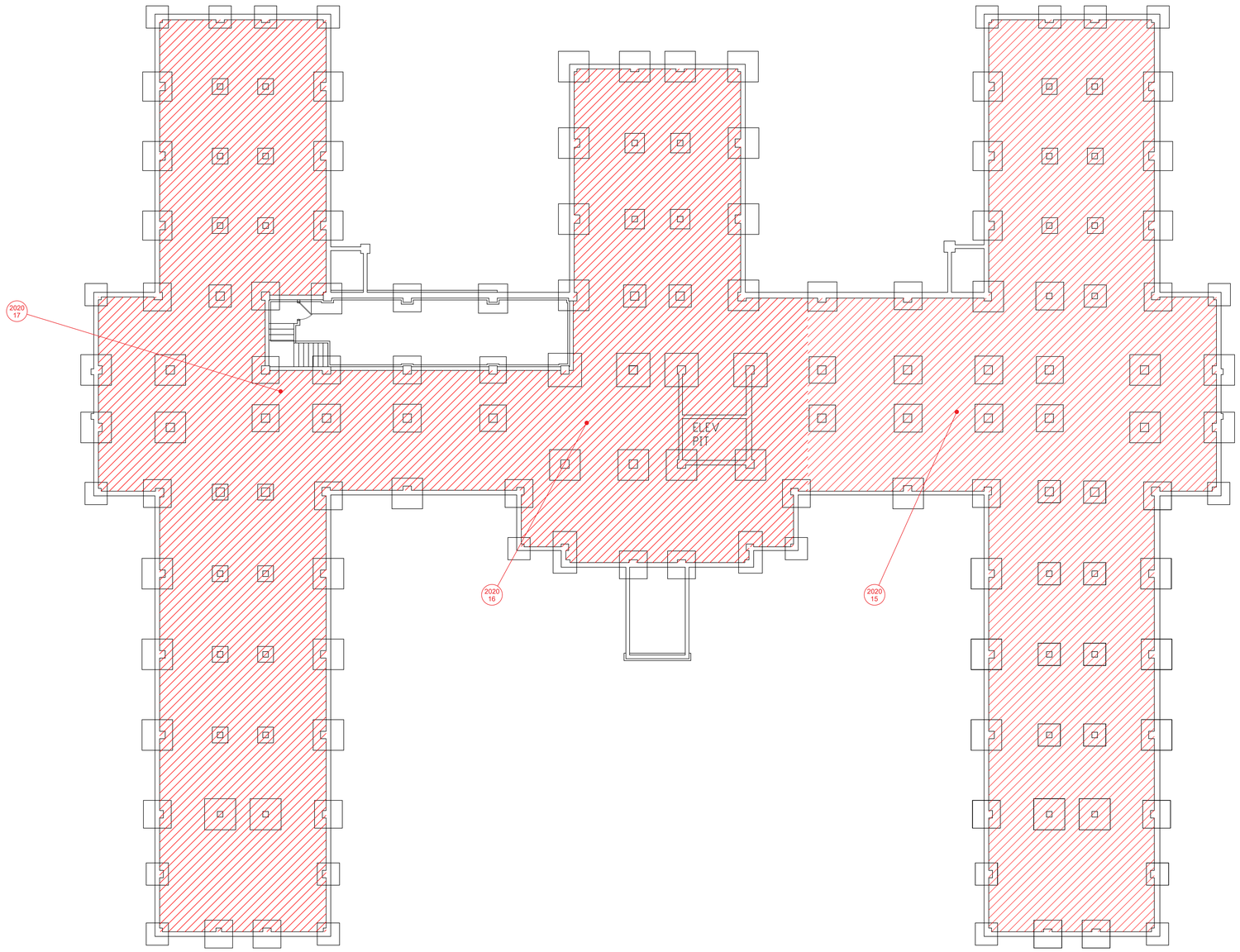
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 049
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 4A
Sheet 50 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

2020 00 -SAMPLE LOCATION

2020 00 -POSITIVE SAMPLE LOCATION

-ASBESTOS-CONTAMINATED SOIL

BUILDING #50 - CRAWLSPACE FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 50
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number	Checked	Drawn
050	BLB	AFS

Location
ST. CLOUD, MINNESOTA

Date
NOVEMBER 2019

Project No.
36C26319P1003

Drawing No.
1A
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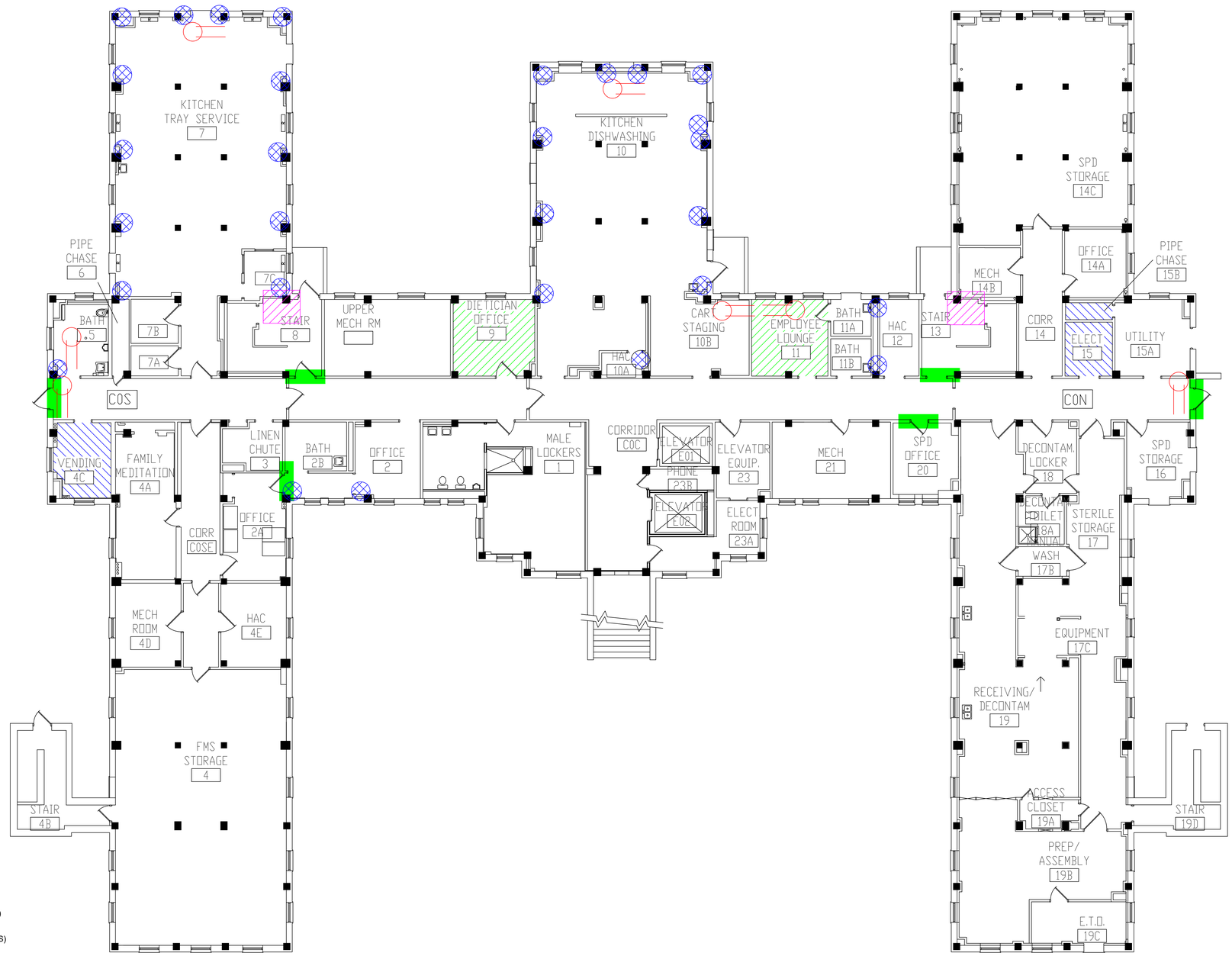
Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING 12"X12" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR

BUILDING #50 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 50
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 050
Checked: BLB
Drawn: AFS
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 2A
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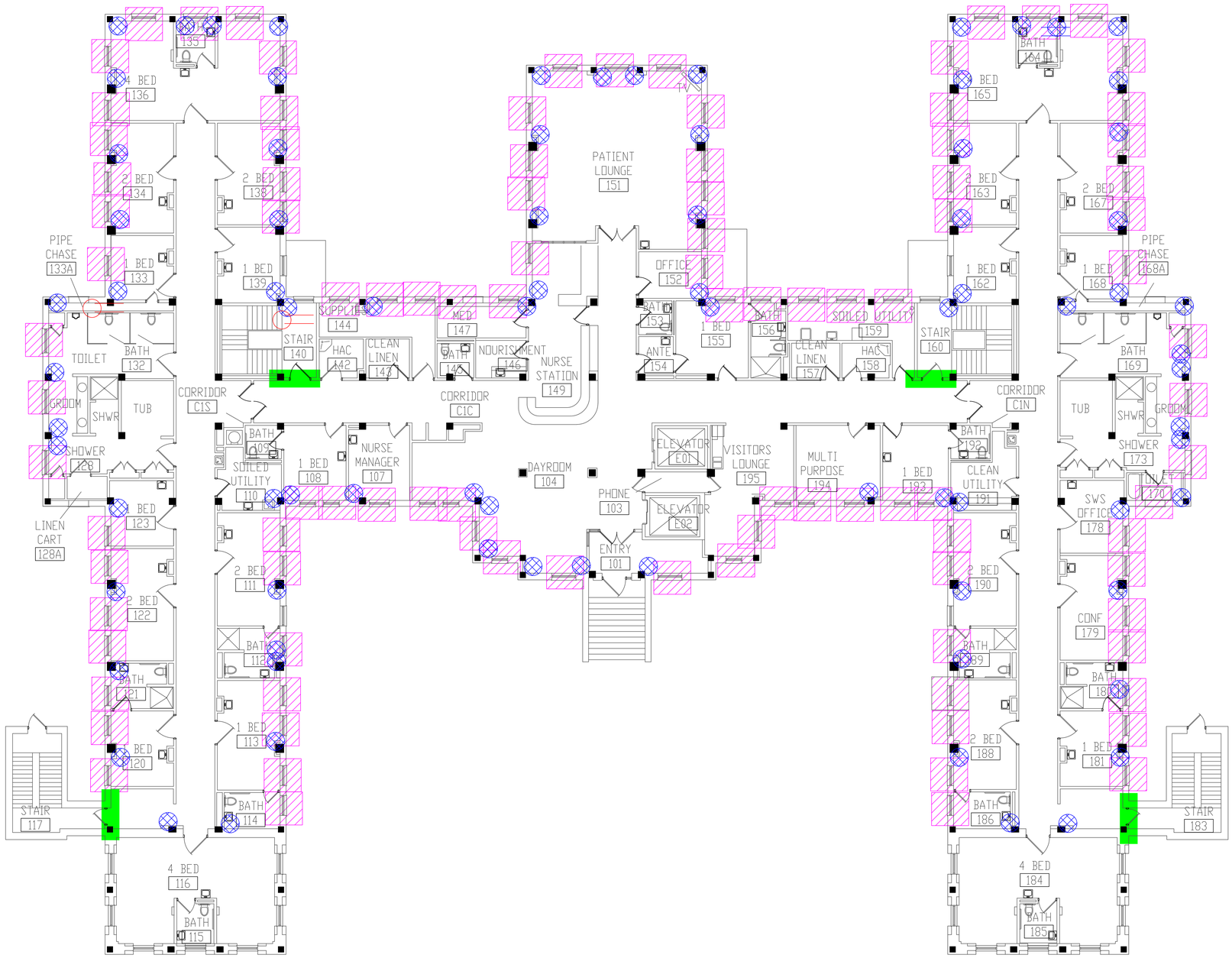
Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR

BUILDING #50 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 50
Scale: 1/8" = 1'-0"

Approved : Division Chief

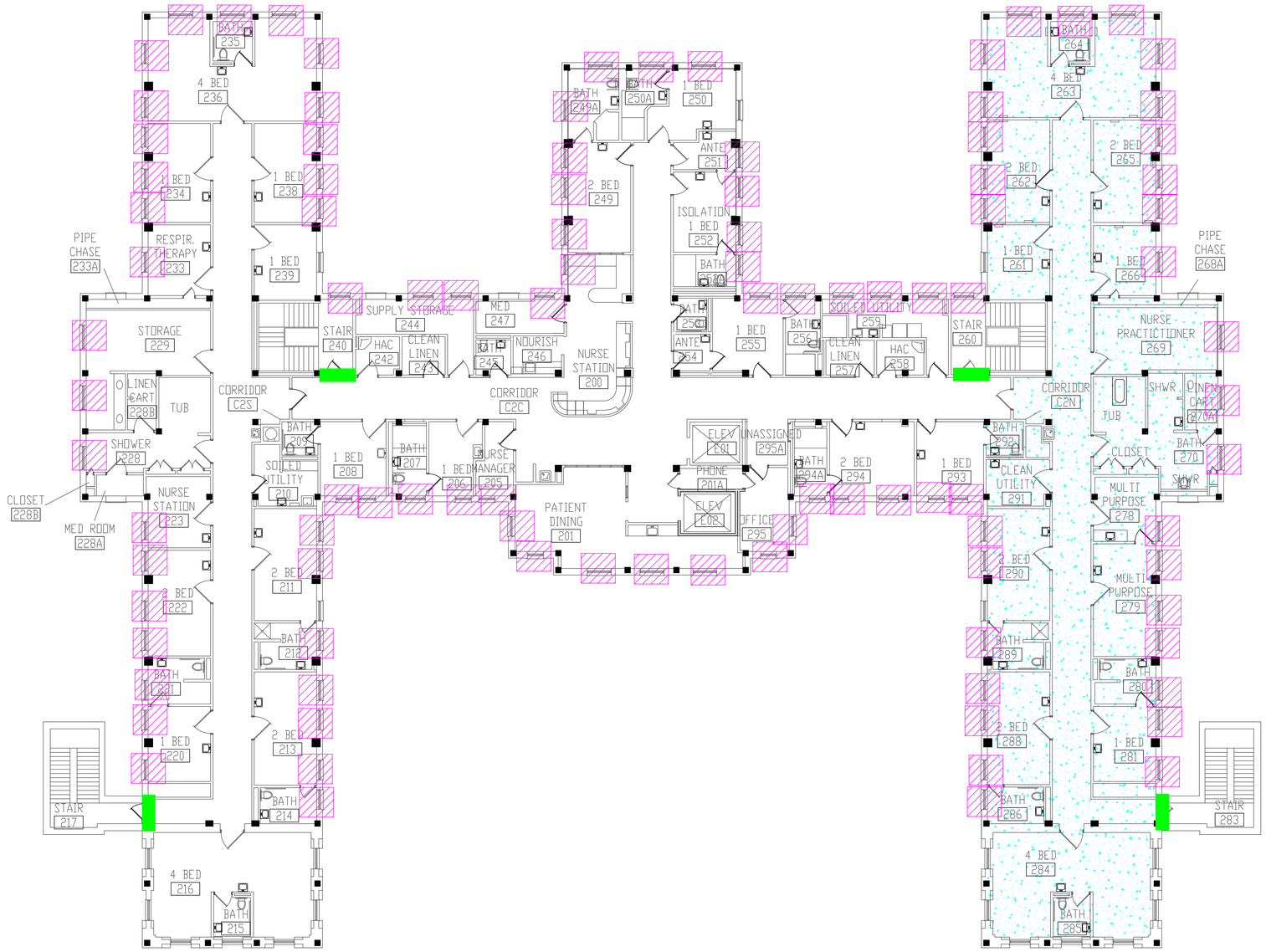
Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 050
Checked: BLB
Drawn: AFS
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 3A
Sheet 53 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR
- -ASBESTOS-CONTAINING DUCT SEAM SEALANT

BUILDING #50 - SECOND FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 50 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 050 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 4A

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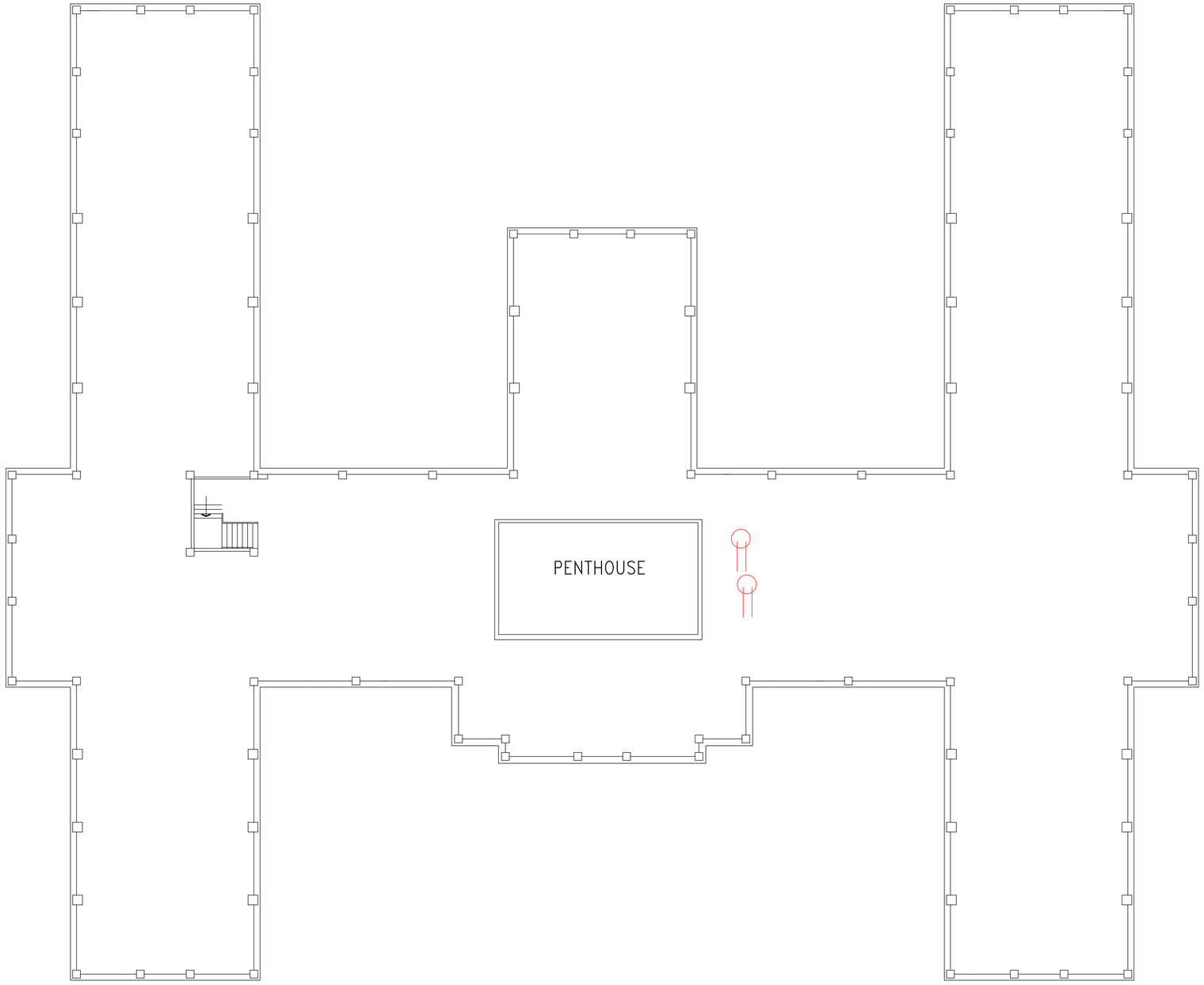
Office of Facilities

Department of Veterans Affairs



BUILDING #50 - ATTIC FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 50 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 050 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No.: 36C26319P1003

Drawing No.: 5A

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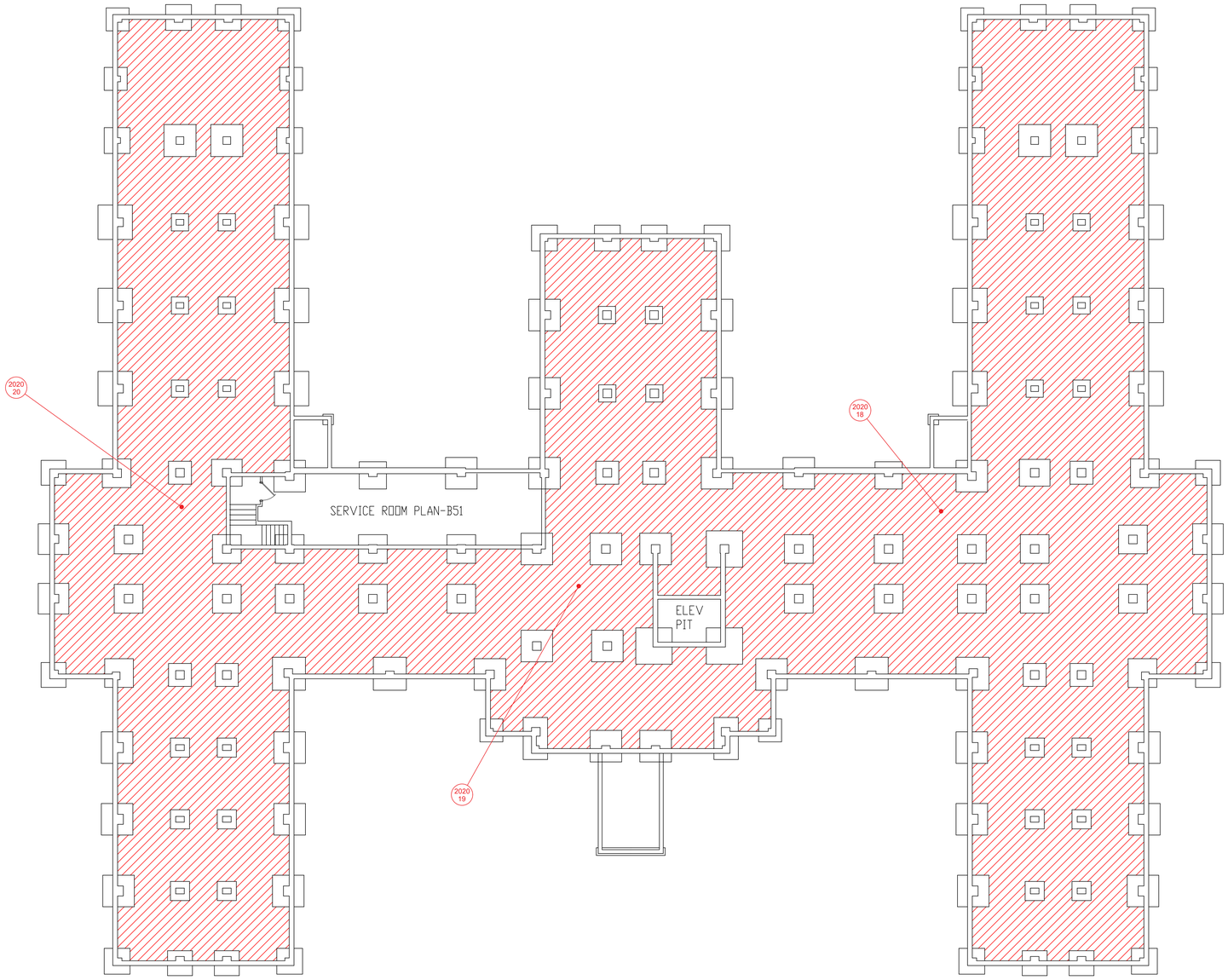
Office of Facilities

Department of Veterans Affairs



LEGEND

2020 00 -SAMPLE LOCATION

2020 00 -POSITIVE SAMPLE LOCATION

-ASBESTOS-CONTAMINATED SOIL

BUILDING #51 - SUB-BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title
ARCHITECTURAL PLAN
BUILDING 51
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

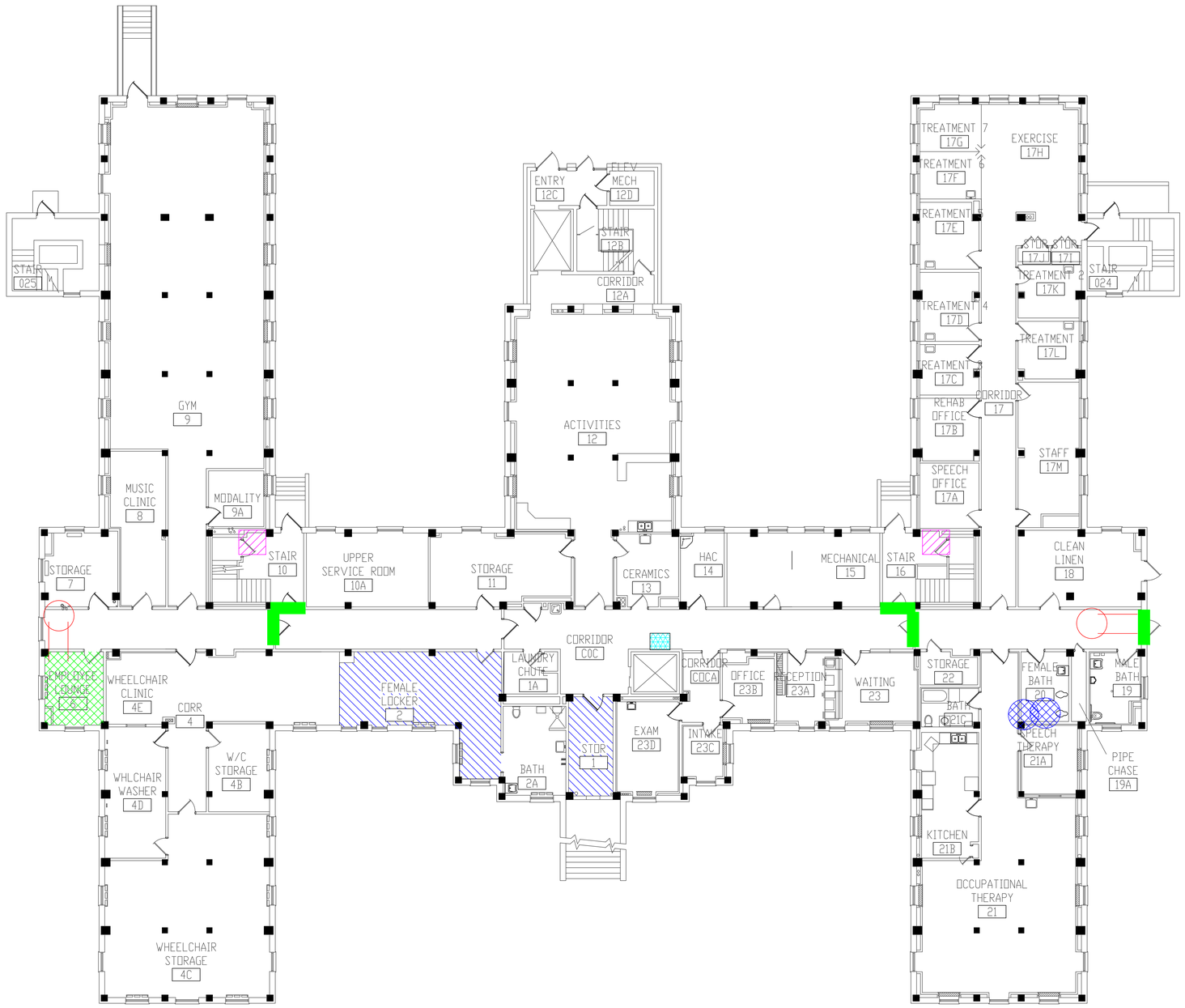
Project Title
FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 051
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 56 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING MASTIC UNDER FLOOR TILE AND CARPET
- -ASBESTOS-CONTAINING WHITE PAPER IN ELECTRICAL BOX
- -ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR

BUILDING #51 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 51 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 051 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 2A

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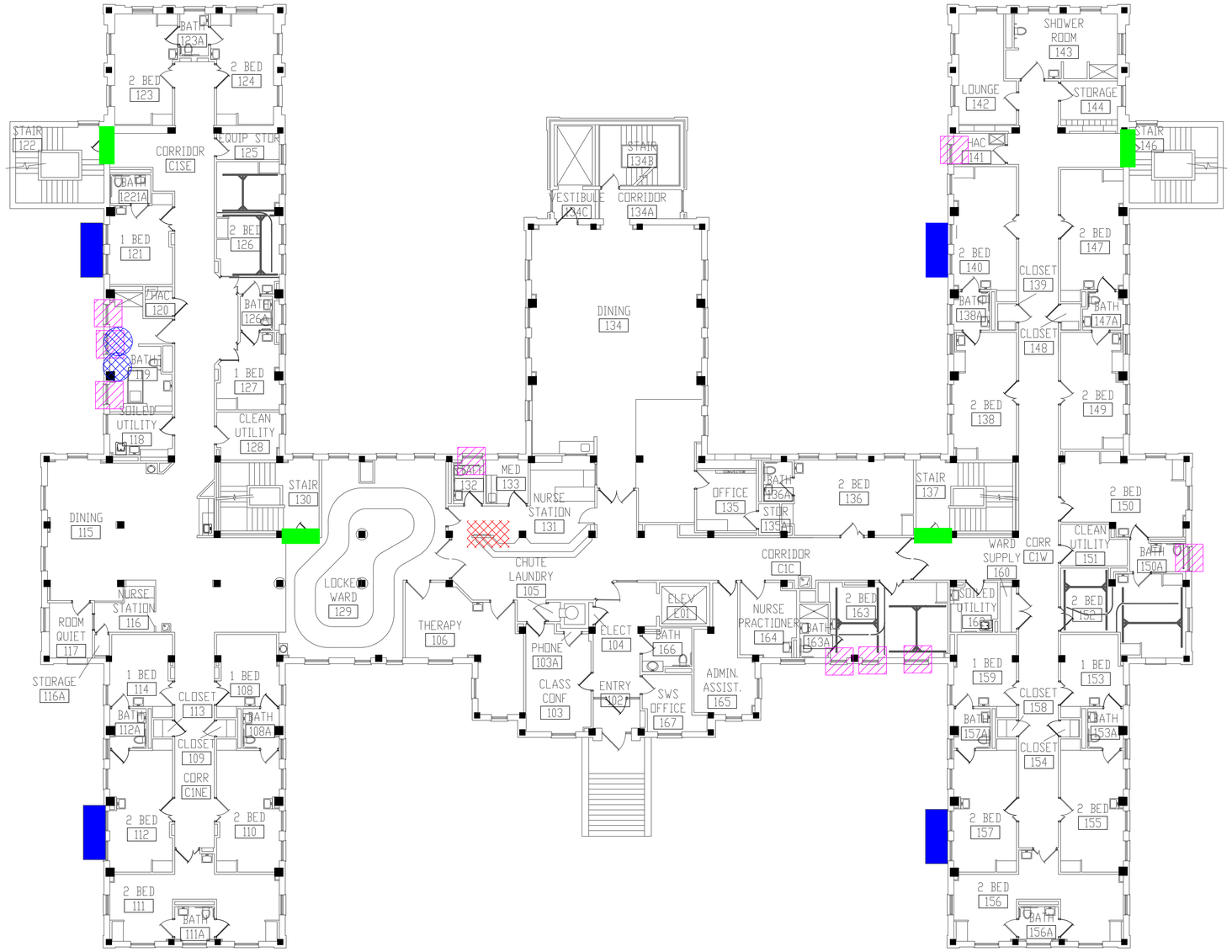
Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING EXTERIOR WALL CAULK
- -ASBESTOS-CONTAINING CEILING TILE MASTIC
- -ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR

BUILDING #51 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 51
Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

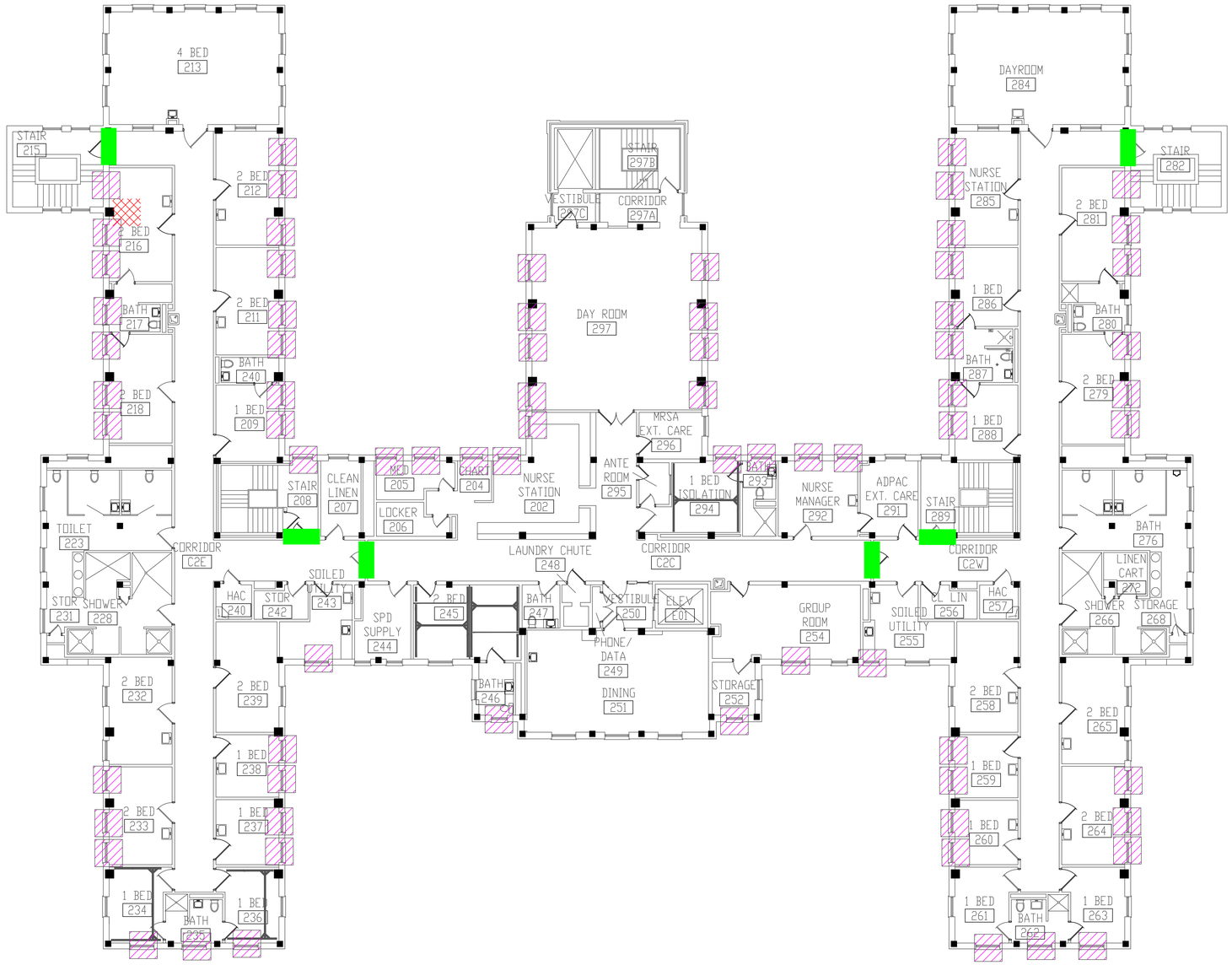
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 051
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 3A
Sheet 58 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR
- -ASBESTOS-CONTAINING CEILING TILE MASTIC
- -ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR

BUILDING #51 - SECOND FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 51 Scale: 1/8" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 051 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 4A

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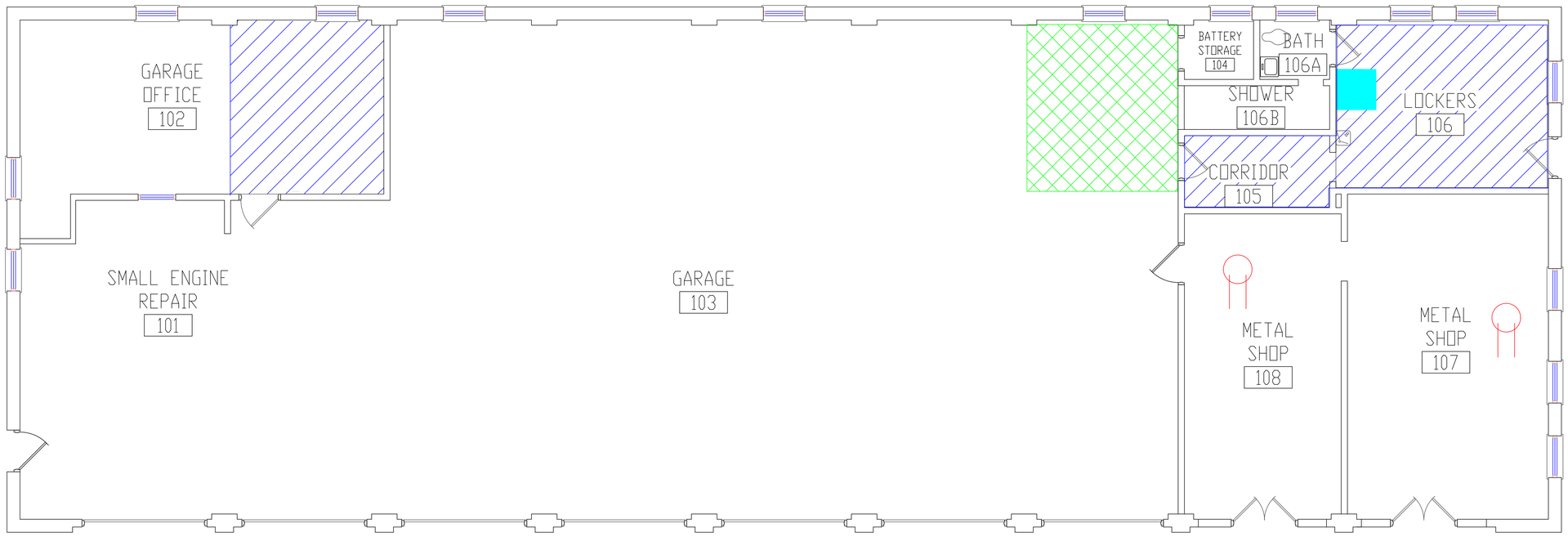
Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING PIPE FITTING INSULATION
- -ASBESTOS-CONTAINING SINK UNDERCOATING
- -ASBESTOS-CONTAINING 12"X12" FLOOR TILE AND MASTIC
- -ASBESTOS-CONTAINING MASTIC BENEATH NON-ACM 12"X12" FLOOR TILE

BUILDING #54 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 54
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

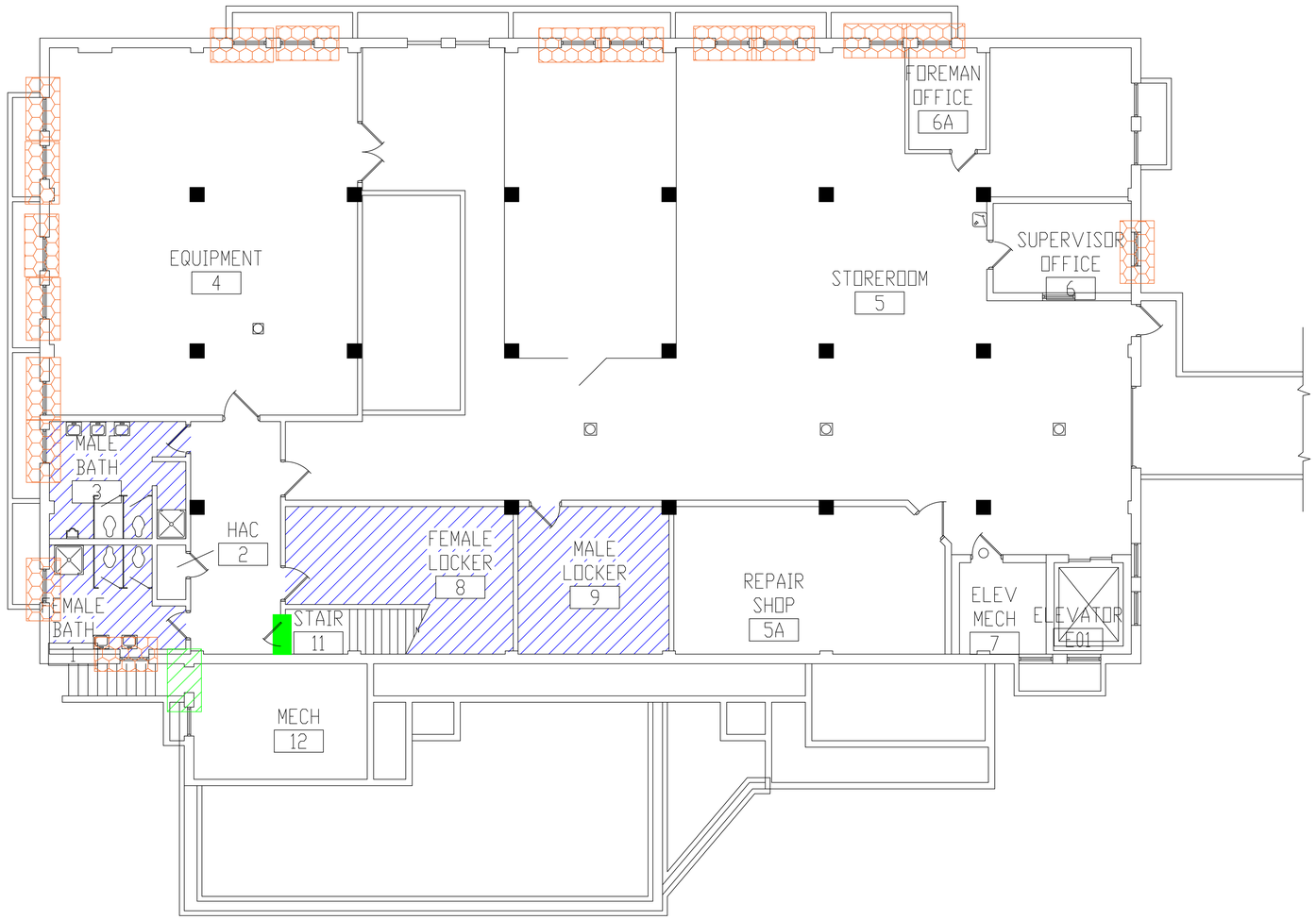
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 054
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 60 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR (ASSUMED)
- -ASBESTOS-CONTAINING WINDOW GLAZING AND CAULK
- -ASBESTOS-CONTAINING DOOR CAULK
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE

BUILDING #59 - BASEMENT FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 59
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

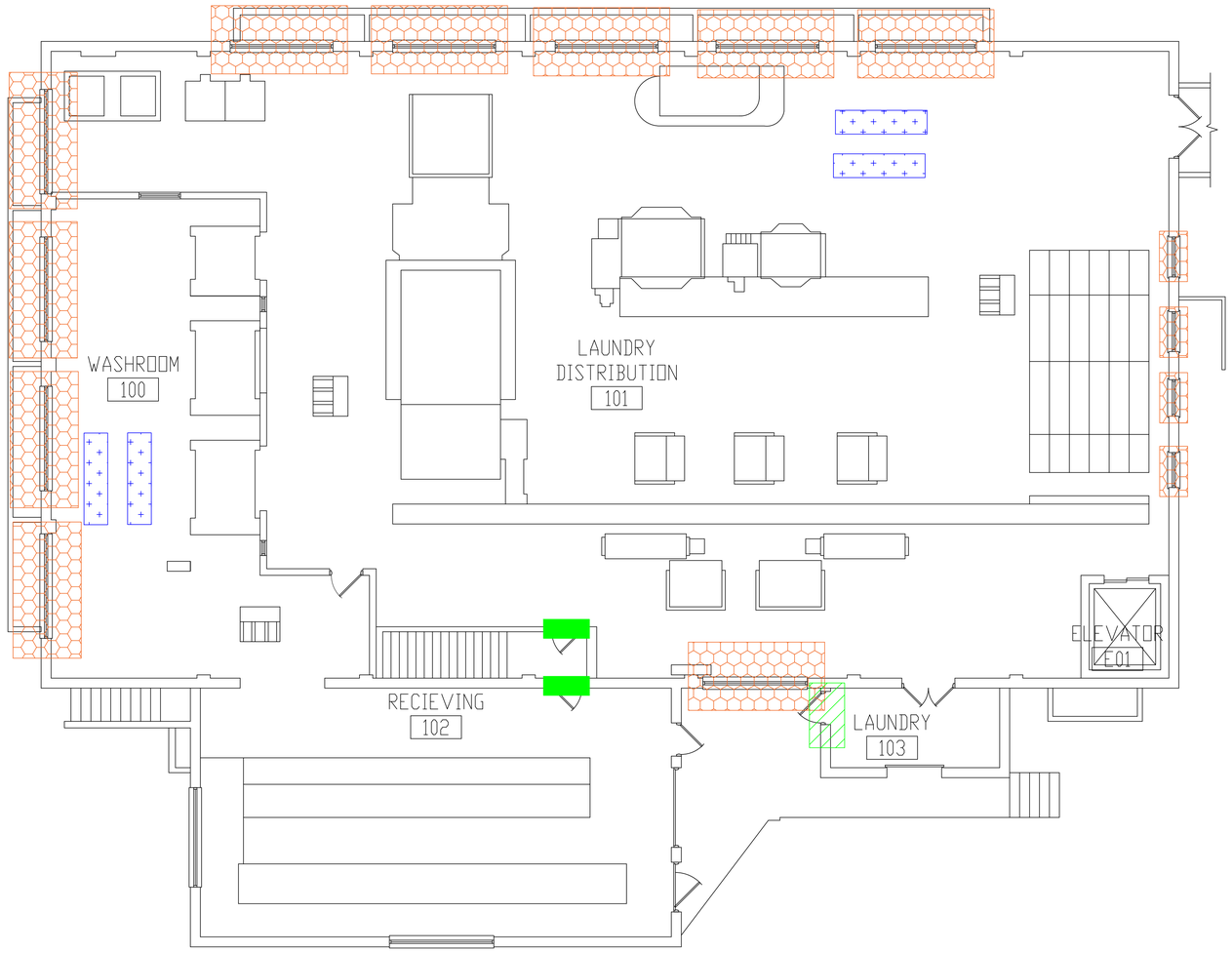
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 059
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 61 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR (ASSUMED)
- -ASBESTOS-CONTAINING WINDOW GLAZING AND CAULK
- -ASBESTOS-CONTAINING DOOR CAULK
- -ASBESTOS-CONTAINING VIBRATION DAMPENING CLOTH

BUILDING #59 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 59 Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 059 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 2A

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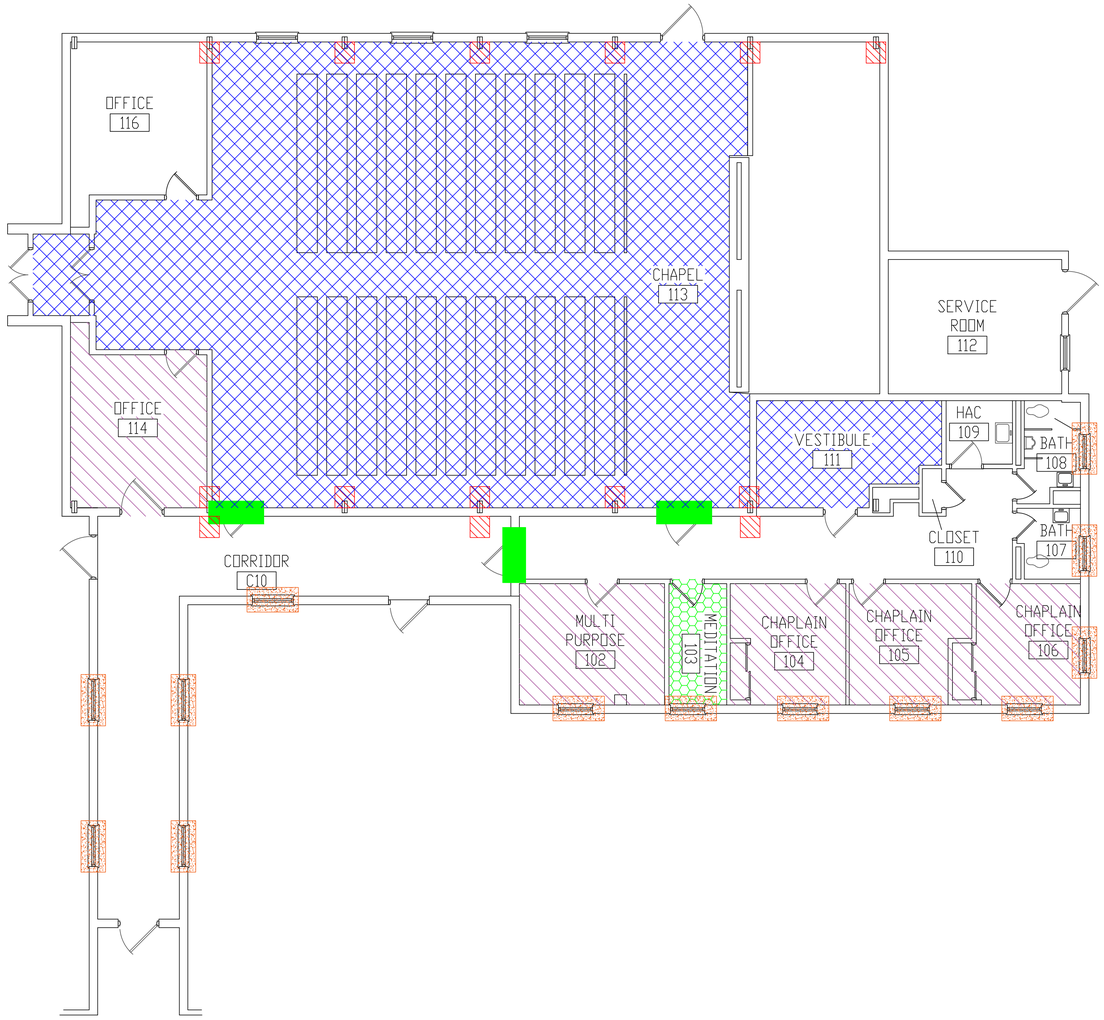
Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING FIRE DOOR (ASSUMED)
- -ASBESTOS-CONTAINING WINDOW GLAZING
- -ASBESTOS-CONTAINING EXPANSION JOINT CAULK
- -ASBESTOS-CONTAINING MASTIC UNDER CARPET
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC

BUILDING #88 - GROUND FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN
BUILDING 88
Scale: 1/4" = 1'-0"

Approved : Division Chief

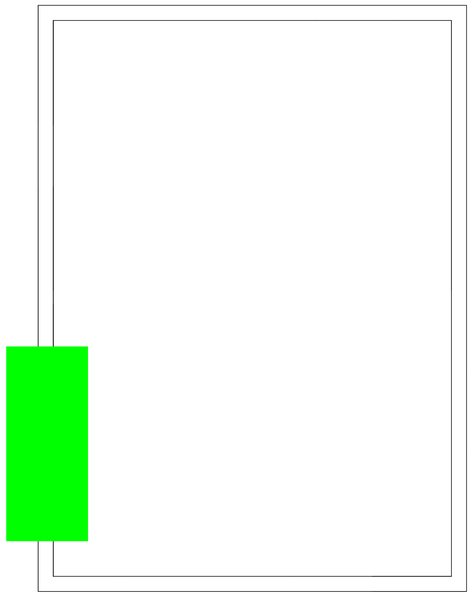
Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 088
Checked: BLB
Drawn: AFS
Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 63 of 71

Office of Facilities
Department of Veterans Affairs



BUILDING #91 - FIRST FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING FIRE DOOR (ASSUMED)

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 91 Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 091 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No.: 36C26319P1003

Drawing No.: 1A

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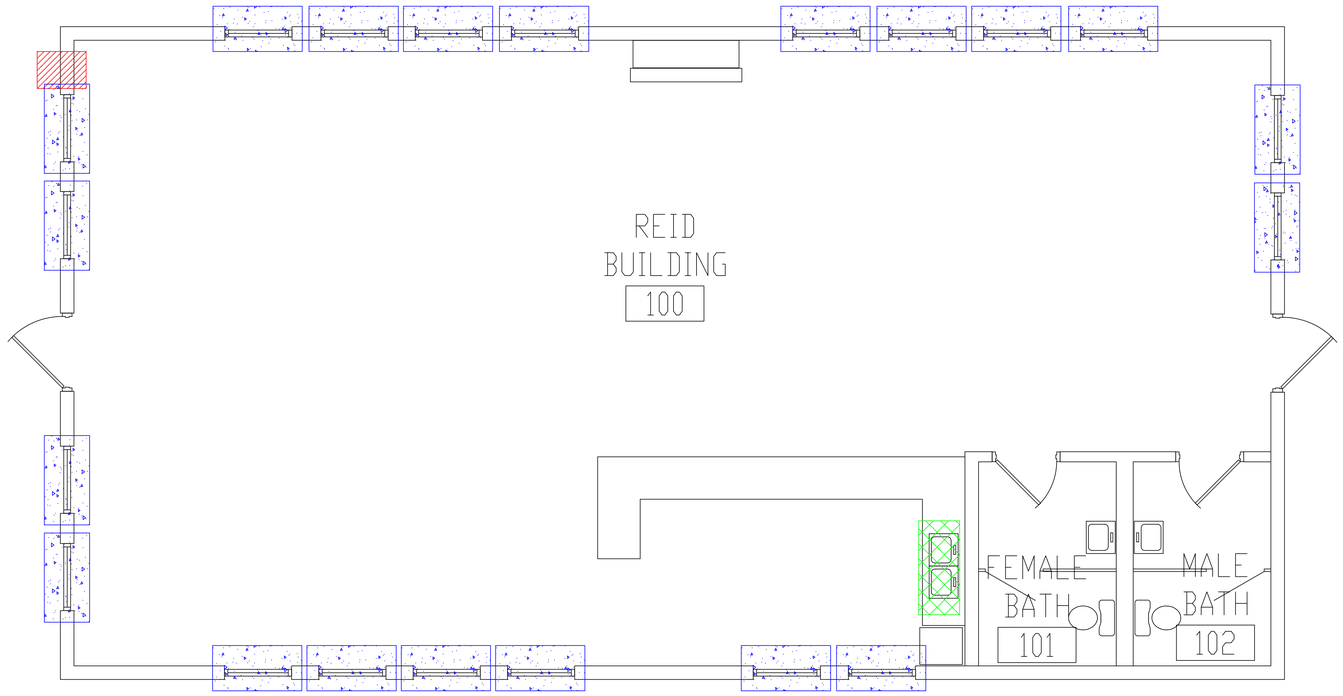
Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING SINK UNDERCOATING
- -ASBESTOS-CONTAINING PIPE PENETRATION HOLE FILLER
- -ASBESTOS-CONTAINING WINDOW CAULK

BUILDING #92 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

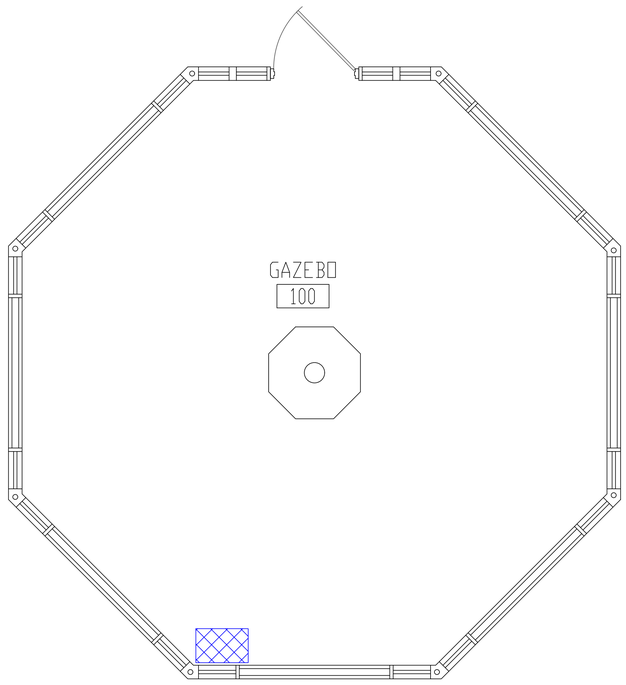
Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 92 Scale: 1/2" = 1'-0"	Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA	Date: NOVEMBER 2019	
		Project No.: 36C26319P1003	
Approved : Division Chief	Building Number: 092	Checked: BLB	Drawn: AFS
Approved : Service Director	Location: ST. CLOUD, MINNESOTA	Drawing No.: 1A Sheet 65 of 71	

Office of Facilities

Department of Veterans' Affairs



BUILDING #93 - GROUND FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING SINK UNDERCOATING

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 93 Scale: 1/2" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 093 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

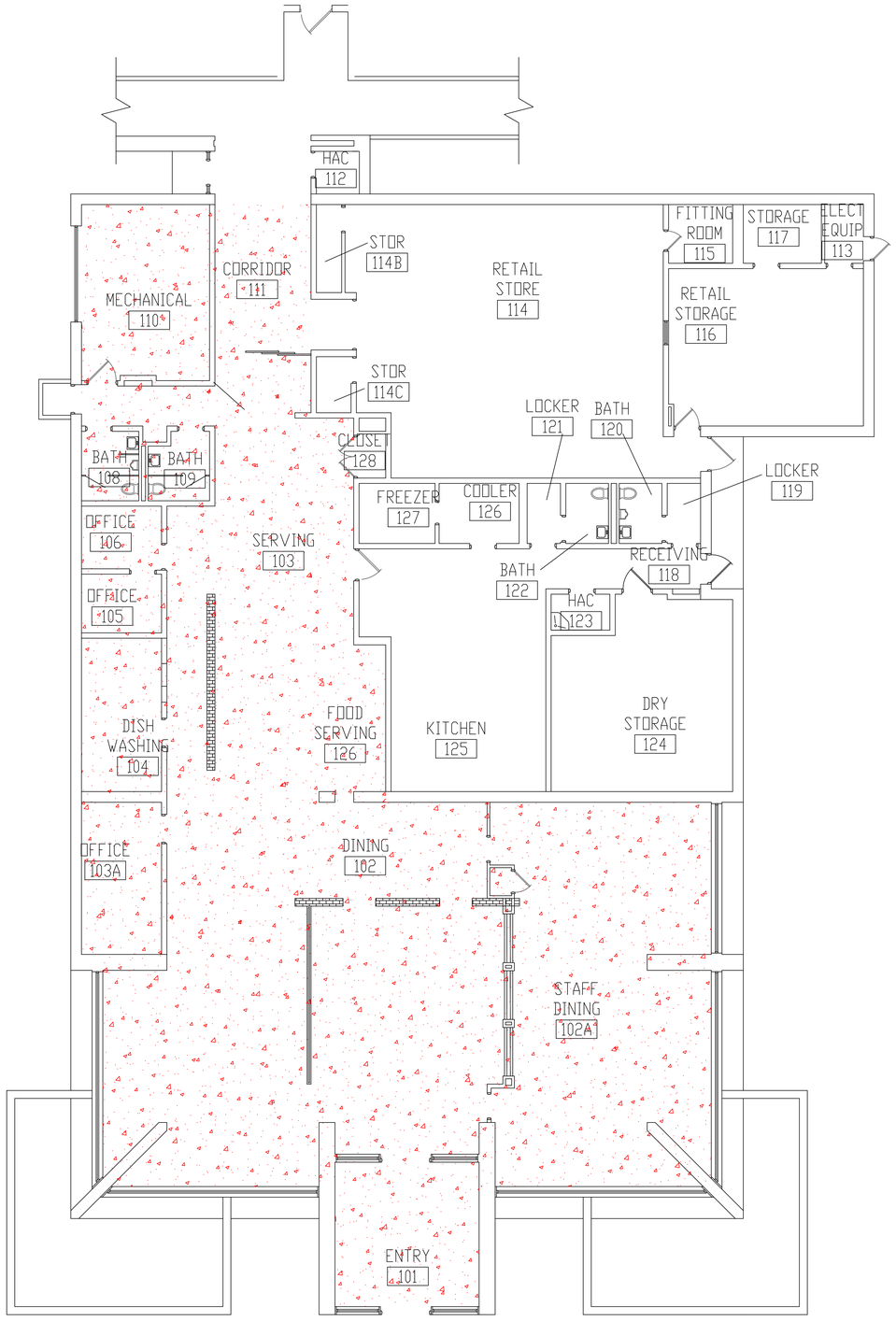
Project No. 36C26319P1003

Drawing No. 1A

Sheet 66 of 71

Office of Facilities

Department of Veterans Affairs



BUILDING #95 - GROUND FLOOR PLAN

LEGEND

-ASBESTOS-CONTAINING DUCT SEAM SEALANT (BROWN)

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 95
Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: 095
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

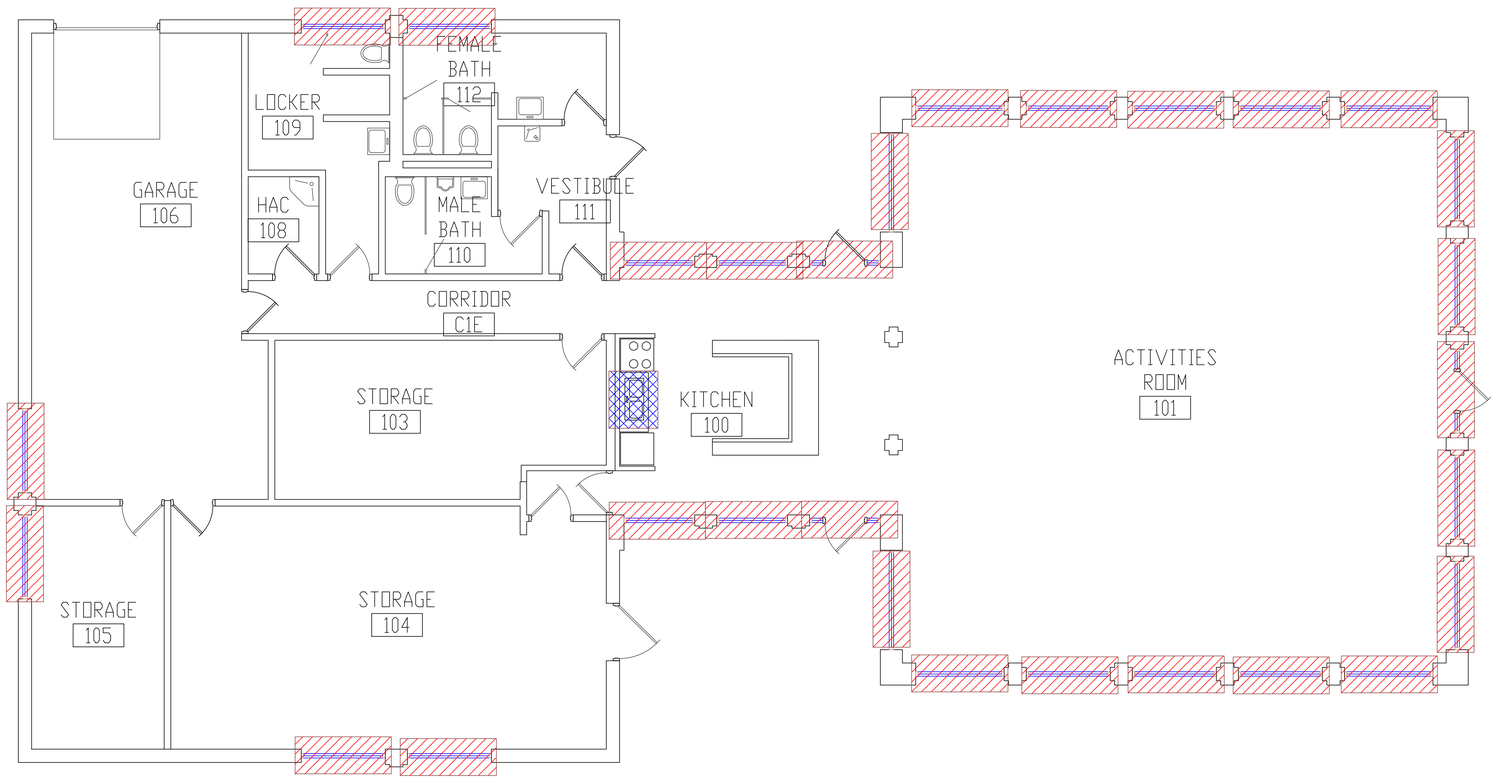
Project No. 36C26319P1003

Drawing No. 1A

Sheet 67 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

-ASBESTOS-CONTAINING WINDOW CAULK

-ASBESTOS-CONTAINING SINK UNDERCOATING

BUILDING #96 - FIRST FLOOR PLAN

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING 96 Scale: 1/4" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: 096 | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

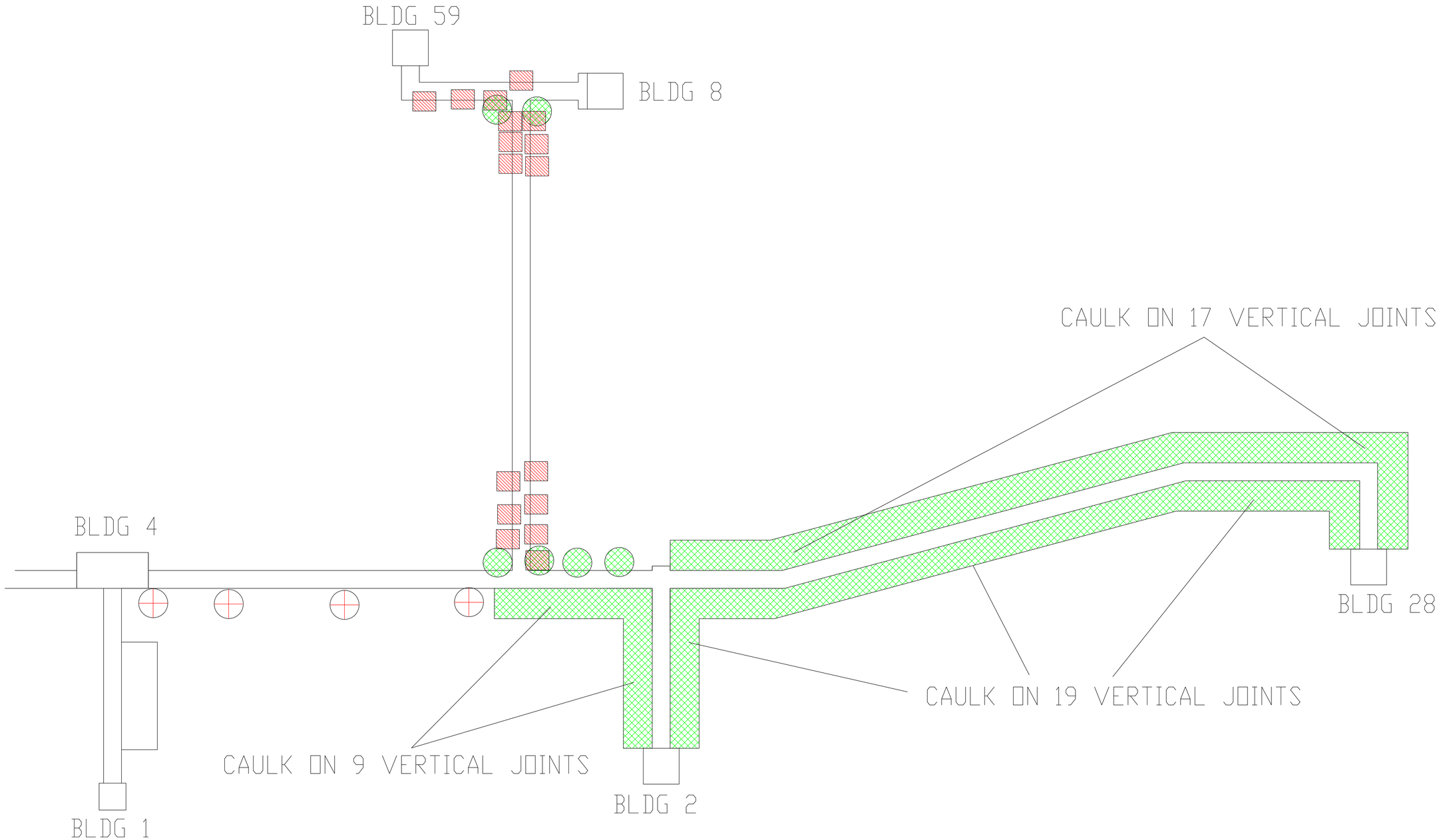
Project No. 36C26319P1003

Drawing No. 1A

Sheet 68 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING EXPANSION JOINT
- -ASBESTOS-CONTAINING TAR ON GUTTER
- -ASBESTOS-CONTAINING WINDOW CAULK

CORRIDORS - EAST SIDE

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING CORRIDORS
Scale: 1/16" = 1'-0"

Approved : Division Chief

Approved : Service Director

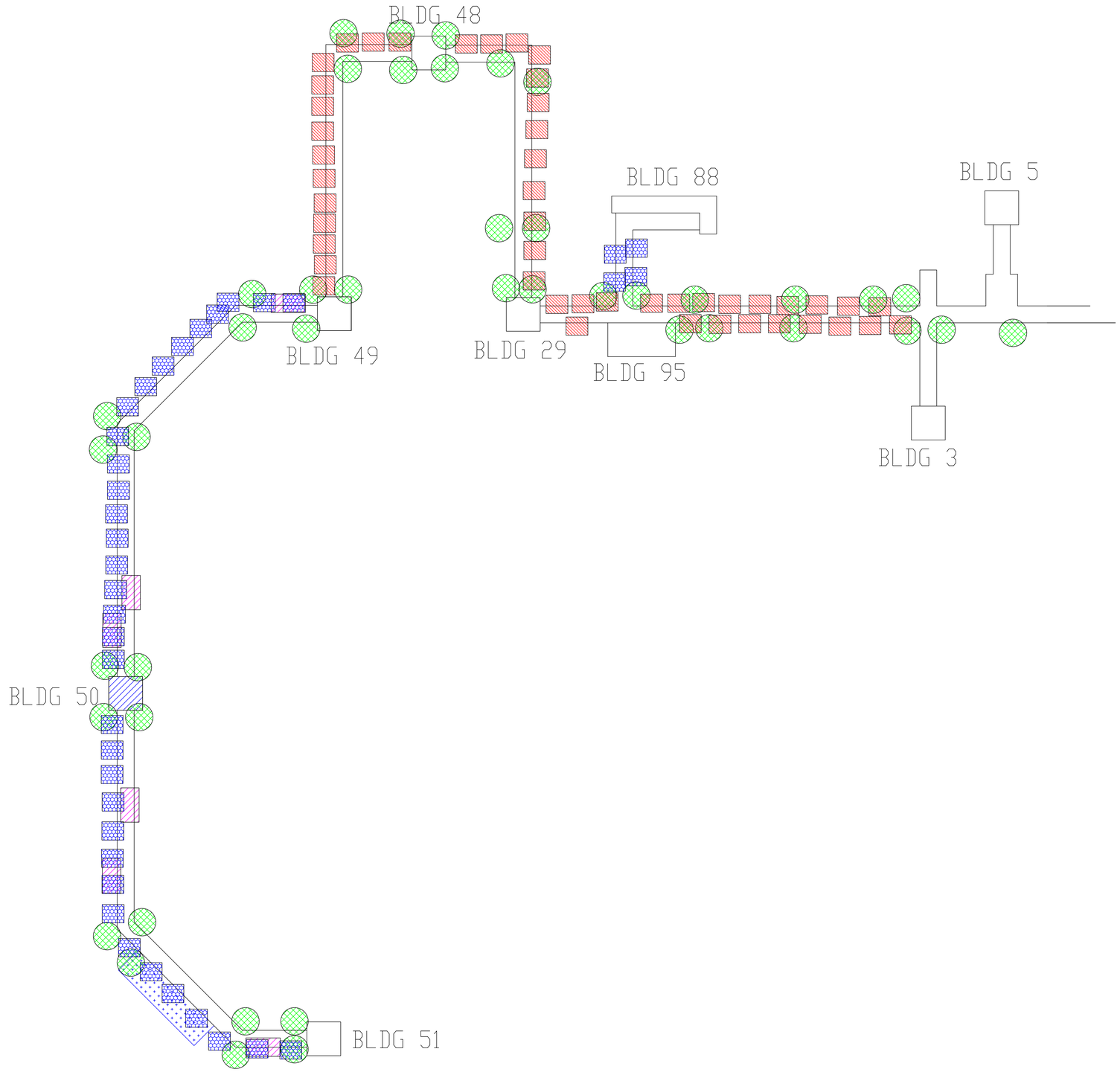
Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Building Number: COR
Checked: BLB
Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019
Project No. 36C26319P1003
Drawing No. 1A
Sheet 69 of 71

Office of Facilities
Department of Veterans Affairs



LEGEND

- -ASBESTOS-CONTAINING EXPANSION JOINT
- -ASBESTOS-CONTAINING TAR ON GUTTER
- -ASBESTOS-CONTAINING WINDOW CAULK
- -ASBESTOS-CONTAINING WINDOW CAULK AND GLAZING
- -ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
- -ASBESTOS-CONTAINING DOOR CAULK

CORRIDORS - WEST SIDE

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING CORRIDORS
Scale: 1/16" = 1'-0"

Project Title: FACILITY ASBESTOS RE-SURVEY
VETERANS ADMINISTRATION
MEDICAL CENTER
ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Approved : Division Chief

Approved : Service Director

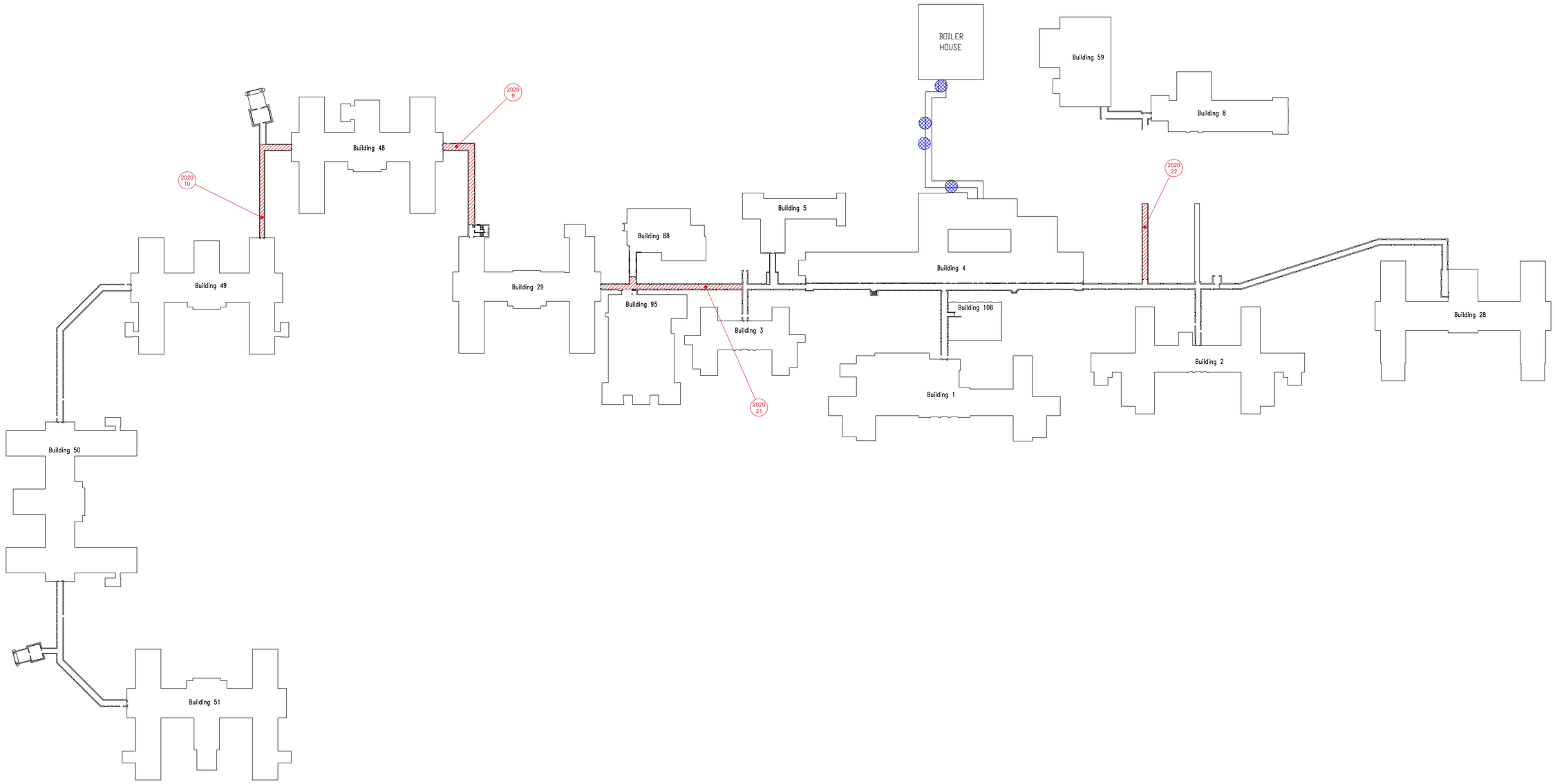
Building Number: COR | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Drawing No. 1A
Sheet 70 of 71

Office of Facilities

Department of Veterans Affairs



LEGEND

- 2020 00 -SAMPLE LOCATION
- 2020 00 -POSITIVE SAMPLE LOCATION
- -ASBESTOS-CONTAINING PIPE FITTINGS
- -ASBESTOS-CONTAMINATED SOIL

STEAM TUNNELS

Revisions	Dates

ENVIRONMENTAL CONSULTANT:
CASTLE HILL ASSOCIATES, LLC.
218-A MECHANIC STREET,
WATERVILLE, OHIO 43566
Tel: (567) 952-0212

CASTLE HILL ASSOCIATES

Professional Seal:

North:

Drawing Title: ARCHITECTURAL PLAN BUILDING STEAM TUNNELS
Scale: 1/64" = 1'-0"

Approved : Division Chief

Approved : Service Director

Project Title: FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA

Building Number: TUN | Checked: BLB | Drawn: AFS

Location: ST. CLOUD, MINNESOTA

Date: NOVEMBER 2019

Project No. 36C26319P1003

Drawing No. 1A
Sheet 71 of 71

Office of Facilities

Department of Veterans Affairs

APPENDIX E

ASBESTOS BULK SAMPLING INFORMATION

CASTLE HILL

ASBESTOS SOIL SAMPLING INFORMATION

Facility: **St. Cloud VA Medical Center**
Building: **Building 1**
Sampling Date: **July 13, 2020**
Analysis Date: **July 20, 2020**
Laboratory: **EMSL Analytical – Cinnaminson, NJ**
Accreditation: **NVLAP Asbestos Bulk Accredited Laboratory # 10148-0**
Sampler: **Brett Brumbaugh**
Accreditation: **State of Minnesota Asbestos Inspector # AI14402**

PLM Qualitative Laboratory Analysis Result (Asbestos in Soils)

SAMPLE NUMBER	MATERIAL	SAMPLE LOCATION	ASBESTOS FIBERS PRESENT
S-1	Loose soil in crawl space under pipes	W. side of crawl by Rm 35	Chrysotile & Amosite
S-2	Loose soil in crawl space under pipes	Middle of crawl space	Chrysotile
S-3	Loose soil in crawl space under pipes	N. side of crawl by Rm. 33	Chrysotile & Crocidolite

OSHA Definition of an asbestos containing soil: Any percentage of asbestos present

ASBESTOS SOIL SAMPLING INFORMATION

Facility: **St. Cloud VA Medical Center**
Building: **Building 2**
Sampling Date: **July 13, 2020**
Analysis Date: **July 20, 2020**
Laboratory: **EMSL Analytical – Cinnaminson, NJ**
Accreditation: **NVLAP Asbestos Bulk Accredited Laboratory # 10148-0**
Sampler: **Brett Brumbaugh**
Accreditation: **State of Minnesota Asbestos Inspector # AI14402**

PLM Qualitative Laboratory Analysis Result (Asbestos in Soils)

SAMPLE NUMBER	MATERIAL	SAMPLE LOCATION	ASBESTOS FIBERS PRESENT
S-7	Loose soil in crawl space under pipes	West crawl space at entrance	Chrysotile & Amosite
S-8	Loose soil in crawl space under pipes	East crawl space at entrance	Chrysotile & Amosite

OSHA Definition of an asbestos containing soil: Any percentage of asbestos present

ASBESTOS BULK SAMPLING INFORMATION

Facility: **St. Cloud VA Medical Center**
Building: **Building 8**
Sampling Date: **July 13, 2020**
Analysis Date: **July 20, 2020**
Laboratory: **EMSL Analytical – Cinnaminson, NJ**
Accreditation: **NVLAP Asbestos Bulk Accredited Laboratory # 10148-0**
Sampler: **Brett Brumbaugh**
Accreditation: **State of Minnesota Asbestos Inspector # AI14402**

PLM Laboratory Analysis Result

SAMPLE NUMBER	MATERIAL	SAMPLE LOCATION	LABORATORY ANALYSIS RESULT
CT-1	2x4 lay-in ceiling tile	Room 106	No asbestos detected
CT-2	2x4 lay-in ceiling tile	Room 107	No asbestos detected
CT-3	2x4 lay-in ceiling tile	Room 108	No asbestos detected

ASBESTOS SOIL SAMPLING INFORMATION

Facility: **St. Cloud VA Medical Center**
Building: **Building 28**
Sampling Date: **July 13, 2020**
Analysis Date: **July 20, 2020**
Laboratory: **EMSL Analytical – Cinnaminson, NJ**
Accreditation: **NVLAP Asbestos Bulk Accredited Laboratory # 10148-0**
Sampler: **Brett Brumbaugh**
Accreditation: **State of Minnesota Asbestos Inspector # AI14402**

PLM Qualitative Laboratory Analysis Result (Asbestos in Soils)

SAMPLE NUMBER	MATERIAL	SAMPLE LOCATION	ASBESTOS FIBERS PRESENT
S-4	Loose soil in crawl space under pipes	Crawl W. of Room 72	Chrysotile & Amosite
S-5	Loose soil in crawl space under pipes	Tunnel N. of Bldg. 28	Chrysotile & Amosite
S-6	Loose soil in crawl space under pipes	Crawl W. of Room 71	Chrysotile & Amosite

OSHA Definition of an asbestos containing soil: Any percentage of asbestos present

ASBESTOS SOIL SAMPLING INFORMATION

Facility: **St. Cloud VA Medical Center**
Building: **Building 49**
Sampling Date: **July 13, 2020**
Analysis Date: **July 20, 2020**
Laboratory: **EMSL Analytical – Cinnaminson, NJ**
Accreditation: **NVLAP Asbestos Bulk Accredited Laboratory # 10148-0**
Sampler: **Brett Brumbaugh**
Accreditation: **State of Minnesota Asbestos Inspector # AI14402**

PLM Qualitative Laboratory Analysis Result (Asbestos in Soils)

SAMPLE NUMBER	MATERIAL	SAMPLE LOCATION	ASBESTOS FIBERS PRESENT
S-11	Loose soil in crawl space under pipes	Northeast crawl space	Chrysotile & Amosite
S-12	Loose soil in crawl space under pipes	West crawl space	Chrysotile & Amosite
S-13	Loose soil in crawl space under pipes	Middle north crawl space	Chrysotile & Amosite
S-14	Loose soil in crawl space under pipes	Middle south crawl space	Chrysotile & Amosite

OSHA Definition of an asbestos containing soil: Any percentage of asbestos present

ASBESTOS SOIL SAMPLING INFORMATION

Facility: **St. Cloud VA Medical Center**
Building: **Building 50**
Sampling Date: **July 13, 2020**
Analysis Date: **July 20, 2020**
Laboratory: **EMSL Analytical – Cinnaminson, NJ**
Accreditation: **NVLAP Asbestos Bulk Accredited Laboratory # 10148-0**
Sampler: **Brett Brumbaugh**
Accreditation: **State of Minnesota Asbestos Inspector # AI14402**

PLM Qualitative Laboratory Analysis Result (Asbestos in Soils)

SAMPLE NUMBER	MATERIAL	SAMPLE LOCATION	ASBESTOS FIBERS PRESENT
S-15	Loose soil in crawl space under pipes	East crawl space	Chrysotile & Amosite
S-16	Loose soil in crawl space under pipes	Middle crawl space	Chrysotile & Amosite
S-17	Loose soil in crawl space under pipes	West crawl space	Chrysotile & Amosite

OSHA Definition of an asbestos containing soil: Any percentage of asbestos present

ASBESTOS SOIL SAMPLING INFORMATION

Facility: **St. Cloud VA Medical Center**
Building: **Building 51**
Sampling Date: **July 13, 2020**
Analysis Date: **July 20, 2020**
Laboratory: **EMSL Analytical – Cinnaminson, NJ**
Accreditation: **NVLAP Asbestos Bulk Accredited Laboratory # 10148-0**
Sampler: **Brett Brumbaugh**
Accreditation: **State of Minnesota Asbestos Inspector # AI14402**

PLM Qualitative Laboratory Analysis Result (Asbestos in Soils)

SAMPLE NUMBER	MATERIAL	SAMPLE LOCATION	ASBESTOS FIBERS PRESENT
S-18	Loose soil in crawl space under pipes	East crawl space	Chrysotile & Amosite
S-19	Loose soil in crawl space under pipes	Middle crawl space	Chrysotile & Amosite
S-20	Loose soil in crawl space under pipes	West crawl space	Chrysotile & Amosite

OSHA Definition of an asbestos containing soil: Any percentage of asbestos present

ASBESTOS SOIL SAMPLING INFORMATION

Facility: **St. Cloud VA Medical Center**
Building: **Tunnels**
Sampling Date: **July 13, 2020**
Analysis Date: **July 20, 2020**
Laboratory: **EMSL Analytical – Cinnaminson, NJ**
Accreditation: **NVLAP Asbestos Bulk Accredited Laboratory # 10148-0**
Sampler: **Brett Brumbaugh**
Accreditation: **State of Minnesota Asbestos Inspector # AI14402**

PLM Qualitative Laboratory Analysis Result (Asbestos in Soils)

SAMPLE NUMBER	MATERIAL	SAMPLE LOCATION	ASBESTOS FIBERS PRESENT
S-9	Loose soil in crawl space under pipes	Tunnel between 29 & 48	Chrysotile & Amosite
S-10	Loose soil in crawl space under pipes	Tunnel between 49 & 48	Chrysotile & Amosite
S-21	Loose soil in crawl space under pipes	Tunnel between 3 & 95	Chrysotile & Amosite
S-22	Loose soil in crawl space under pipes	Tunnel N. of 2 & S. of 8	Chrysotile & Amosite

OSHA Definition of an asbestos containing soil: Any percentage of asbestos present

LABORATORY REPORTS
&
CHAINS OF CUSTODY

CASTLE HILL

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042016926
Customer ID: CHAS42
Customer PO: VASC
Project ID:

Attention: Brett Brumbaugh
Castle Hill Associates, LLC
218-A Mechanic St.
Waterville, OH 43566

Project: St. Cloud VAMC

Phone: (567) 952-0212
Fax:
Received Date: 07/16/2020 9:40 AM
Analysis Date: 07/19/2020
Collected Date: 07/13/2020

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
CT-1 *042016926-0001*	Bldg. 8 - Room 106 - Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
CT-2 *042016926-0002*	Bldg. 8 - Room 108 - Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
CT-3 *042016926-0003*	Bldg. 8 - Room 107 - Ceiling Tile	Brown/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected

Analyst(s)
Daniel Blake (1)
Quynh Vu (2)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 07/20/2020 08:48:22

orderID: 042016926

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 042016926

EMSL Analytical, Inc.
212 South Wagner Road
Ann Arbor, MI 48103
PHONE: (734) 668-6810
FAX: (734) 668-8532

RECEIVED EMSL ANALYSIS 2020 JUL 16 AM 9:55

Company Name: Castle Hill Associates, LLC		**EMSL Customer ID:**	
Street: 218-A Mechanic St.		**City:** Waterville	**State/Province:** OH
Zip/Postal Code: 43566	**Country:** US	**Telephone #:** 567-952-2012	**Fax #:**
Report To (Name): Brett Brumbaugh		**Please Provide Results:** ☐ Fax ☑ Email	
Email Address: bbrumbaugh@castlehillassociates.com		**Purchase Order:** VASC	
Project Name/Number: ST. CLOUD VAMC		**EMSL Project ID** *(Internal Use Only)*:	
U.S. State Samples Taken: MN		**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

EMSL-Bill to: ☑ Same ☐ Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ☐ 48 Hour | ☑ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air ☐ Check if samples are from NY
☐ NIOSH 7400
☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
☑ PLM EPA 600/R-93/116 (<1%)
☐ PLM EPA NOB (<1%)
Point Count
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
☐ NYS 198.1 (friable in NY)
☐ NYS 198.6 NOB (non-friable-NY)
☐ NYS 198.8 SOF-V
☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP
☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
Fibers >10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
☐ Microvac - ASTM D 5755
☐ Wipe - ASTM D6480
☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
☐ PLM EPA 600/R-93/116 with milling prep (<1%)
☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
☐ TEM Qualitative via Filtration Prep
☐ TEM Qualitative via Drop Mount Prep
☐ Cincinnati Method EPA 600/R-04/004 – PLM/TEM (BC only)

Other:
☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm

Samplers Name: Brett Brumbaugh

Samplers Signature: [signature]

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
CT1	Bldg. 8 - Rm. 106 Ceil. Tile		7-13-20
CT2	" Rm 108 "		↓
CT3	" Rm. 107 "		↓

Client Sample # (s): CT1 - CT3 **Total # of Samples:** (3)
Relinquished (Client): [signature] **Date:** 7-15-20 **Time:** 0706
Received (Lab): [signature] **Date:** 7-16-20 **Time:** 9:40
Comments/Special Instructions:

Page 1 of 1 pages

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order:	042016873
CustomerID:	CHAS42
CustomerPO:	
ProjectID:	

Attn: **Brett Brumbaugh**
Castle Hill Associates, LLC
218-A Mechanic St.
Waterville, OH 43566

Phone:	(567) 952-2012
Fax:	
Received:	07/16/20 9:40 AM
Analysis Date:	7/20/2020
Collected:	7/13/2020

Project: **ST. CLOUD VAMC**

Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method

Sample	Description	Appearance	Result	Notes
1 *042016873-0001*	Building 1 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
2 *042016873-0002*	Building 1 - Crawl Soil	Brown Non-Fibrous Homogeneous	**Chrysotile**	
3 *042016873-0003*	Building 1 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Crocidolite**	
4 *042016873-0004*	Building 28 - Crawl Soil	Brown Non-Fibrous Homogeneous	**Chrysotile** **Amosite**	
5 *042016873-0005*	Building 28 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
6 *042016873-0006*	Building 28 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
7 *042016873-0007*	Building 2 - Crawl Soil	Brown Non-Fibrous Homogeneous	**Chrysotile** **Amosite**	
8 *042016873-0008*	Building 2 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
9 *042016873-0009*	Building 29-48 - Tunnel Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	

Analyst(s)
Will DiBella (22)

Samantha Rundstrom, Laboratory Manager
or other approved signatory

Soil is a problem matrix due to its inherent heterogeneity and there is a likelihood for false negatives with this analysis. EMSL recommends more specialized methodologies such as the EPA 600/R-93/116 with milling preparation. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from 07/20/2020 22:28:49

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order:	042016873
CustomerID:	CHAS42
CustomerPO:	
ProjectID:	

Attn: **Brett Brumbaugh**
Castle Hill Associates, LLC
218-A Mechanic St.
Waterville, OH 43566

Phone:	(567) 952-2012
Fax:	
Received:	07/16/20 9:40 AM
Analysis Date:	7/20/2020
Collected:	7/13/2020

Project: **ST. CLOUD VAMC**

Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method

Sample	Description	Appearance	Result	Notes
10 *042016873-0010*	Building 48-49 - Tunnel Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
11 *042016873-0011*	Building 49 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
12 *042016873-0012*	Building 49 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
13 *042016873-0013*	Building 49 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
14 *042016873-0014*	Building 49 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
15 *042016873-0015*	Building 50 - Crawl Soil	Brown Non-Fibrous Homogeneous	**Chrysotile** **Amosite**	
16 *042016873-0016*	Building 50 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
17 *042016873-0017*	Building 50 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
18 *042016873-0018*	Building 51 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	

Analyst(s)
Will DiBella (22)

Samantha Rundstrom, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from 07/20/2020 22:28:49

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com cinnasblab@EMSL.com

EMSL Order:	042016873
CustomerID:	CHAS42
CustomerPO:	
ProjectID:	

Attn: **Brett Brumbaugh**
Castle Hill Associates, LLC
218-A Mechanic St.
Waterville, OH 43566

Phone:	(567) 952-2012
Fax:	
Received:	07/16/20 9:40 AM
Analysis Date:	7/20/2020
Collected:	7/13/2020

Project: **ST. CLOUD VAMC**

Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method

Sample	Description	Appearance	Result	Notes
19 *042016873-0019*	Building 51 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
20 *042016873-0020*	Building 51 - Crawl Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
21 *042016873-0021*	Building 3-29 - Tunnel Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	
22 *042016873-0022*	Building 2-8 - Tunnel Soil	Brown Fibrous Homogeneous	**Chrysotile** **Amosite**	

Analyst(s)
Will DiBella (22)

Samantha Rundstrom, Laboratory Manager
or other approved signatory

Soil is a problem matrix due to its inherent heterogeneity and there is a likelihood for false negatives with this analysis. EMSL recommends more specialized methodologies such as the EPA 600/R-93/116 with milling preparation. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from 07/20/2020 22:28:49

orderID: 042016873

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (*Lab Use Only*): 042016873

EMSL Analytical, Inc.
212 South Wagner Road
Ann Arbor, MI 48103
PHONE: (734) 668-6810
FAX: (734) 668-8532

RECEIVED EMSL CHRIS HINSON 2020 JUL 16 AM 9:56

Company Name: Castle Hill Associates, LLC		**EMSL Customer ID:**	
Street: 218-A Mechanic St.		**City:** Waterville	**State/Province:** OH
Zip/Postal Code: 43566	**Country:** US	**Telephone #:** 567-952-2012	**Fax #:**
Report To (Name): Brett Brumbaugh		**Please Provide Results:** ☐ Fax ☑ Email	
Email Address: bbrumbaugh@castlehillassociates.com		**Purchase Order:** VASC	
Project Name/Number: ST. CLOUD VAMC		**EMSL Project ID** (*Internal Use Only*):	
U.S. State Samples Taken: MN		**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

EMSL-Bill to: ☑ Same ☐ Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☑ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air ☐ Check if samples are from NY
☐ NIOSH 7400
☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
☐ PLM EPA 600/R-93/116 (<1%)
☐ PLM EPA NOB (<1%)
Point Count
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/Gravimetric
☐ 400 (≤0.25%) ☐ 1000 (<0.1%)
☐ NYS 198.1 (friable in NY)
☐ NYS 198.6 NOB (non-friable-NY)
☐ NYS 198.8 SOF-V
☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP
☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
Fibers >10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
☐ Microvac - ASTM D 5755
☐ Wipe - ASTM D6480
☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
☐ PLM EPA 600/R-93/116 with milling prep (<1%)
☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
☐ TEM Qualitative via Filtration Prep
☐ TEM Qualitative via Drop Mount Prep
☐ Cincinnati Method EPA 600/R-04/004 – PLM/TEM (BC only)

Other: ☒ Soil PLM Qualitative (Detect/Non-Detect)

☐ Check For Positive Stop – Clearly Identify Homogenous Group

Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm

Samplers Name: Brett Brumbaugh **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1-3	Bldg. 1 Crawl Soil		7-13-20
4-6	Bldg. 28 " "		
7-8	Bldg. 2 " "		
9	Bldg. 29-48 Tunnel Soil		
10	Bldg. 48-49 " "		

Client Sample # (s): 1 - 22 **Total # of Samples:** 22

Relinquished (Client): **Date:** 7-15-20 **Time:** 0738

Received (Lab): **Date:** 7-16-20 **Time:** 9:40

Comments/Special Instructions:

Controlled Document – Asbestos COC – R10 – 05/09/2016

orderID: 042016873

EMSL Analytical, Inc.
212 South Wagner Road
Ann Arbor, MI 48103
PHONE: (734) 668-6810
FAX: (734) 668-8532

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 0420168 73

RECEIVED
CINNAPHUSON, N.J.
2020 JUL 16 AM 9:56

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
11-14	Bldg. 49 - Crawl Soil		~~02-12-20~~ 7-13-20
15-17	Bldg. 50 - " "		
18-20	Bldg. 51 - " "		
21	Bldg 3-29 Tunnel Soil		
22	Bldg 2-8 " "		

***Comments/Special Instructions:** VASC

Page 2 of 2 pages

Controlled Document – Asbestos COC – R10 – 05/09/2016

LABORATORY CERTIFICATIONS

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101048-0

EMSL Analytical, Inc.

Cinnaminson, NJ

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2019-07-01 through 2020-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
Samantha Rundstrom
Phone: 856-303-2577
Email: srundstrom@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 101048-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

APPENDIX F

O&M PLAN
(OPERATIONS & MAINTENANCE)

CASTLE HILL

ST. CLOUD VA MEDICAL CENTER

ASBESTOS OPERATIONS AND MAINTENANCE PLAN

FY2020

DECEMBER 28, 2019

US DEPARTMENT OF VETERAN AFFAIRS

ST. CLOUD VA MEDICAL CENTER
4801 VETERANS DRIVE
ST. CLOUD, MN 56303

STANDARD OPERATING PROCEDURES

PREPARED BY:
CASTLE HILL ASSOCIATES, LLC
218-A MECHANIC ST.
WATERVILLE, OH 43566
567-952-0212

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1.0 Introduction

Asbestos is a common building material used in the United States from the early 1900's to present. Asbestos is completely safe when maintained in "good" condition, but becomes a potential hazard if the microscopic fibers are released into the air. This occurs when the material containing the asbestos becomes damaged and is friable-meaning when it is dry, it can be crumbled in your hand. If the dust containing the asbestos fibers is inhaled, these fibers can become trapped within the body and may eventually lead to asbestosis, mesothelioma, and lung cancer. If ingested, it may lead to many other types of cancer.

1.1 Regulatory History of Asbestos Bans

- In 1973, EPA banned spray-applied surfacing asbestos-containing material for fireproofing/insulating purposes. See National Emission Standards for Hazardous Air Pollutants (NESHAP) at 40 CFR Part 61, Subpart M.
- In 1975, EPA banned installation of asbestos pipe insulation and asbestos block insulation on facility components, such as boilers and hot water tanks, if the materials are either pre-formed (molded) and friable or wet-applied and friable after drying. See National Emission Standards for Hazardous Air Pollutants (NESHAP) at 40 CFR Part 61, Subpart M.
- In 1978, EPA banned spray-applied surfacing materials for purposes not already banned. See National Emission Standards for Hazardous Air Pollutants (NESHAP) at 40 CFR Part 61, Subpart M.
- In 1977, the Consumer Product Safety Commission (CPSC) banned the use of asbestos in artificial fireplace embers and wall patching compounds. (16 CFR Part 1305 and 16 CFR 1304).
- In 1989, the EPA issued a final rule under Section 6 of Toxic Substances Control Act (TSCA) banning most asbestos-containing products. However, in 1991, this rule was vacated and remanded by the Fifth Circuit Court of Appeals. As a result, most of the original ban on the manufacture, importation, processing, or distribution in commerce for the majority of the asbestos-containing products originally covered in the 1989 final rule was overturned. See 40 CFR 763 Subpart I.

2.0 Purpose

The purpose of the Asbestos Operations and Maintenance (O&M) Plan is to address the existing Asbestos Containing Materials (ACM)/Asbestos Containing Building Materials (ACBM) within the St. Cloud VA Medical Center facilities and how to prevent/minimize the potential for asbestos fiber exposure to building occupants, visitors, residents, employees, etc. This plan will identify procedures to maintain any existing ACM/ACBM in 'good' condition until all ACM/ACBM is ultimately abated. All abatement activities conducted at the St. Cloud VAMC will be conducted by licensed abatement contractors and no abatement activities will be conducted by VA personnel. This plan will include the updated details of routine surveys and inspections and the procedures for handling ACM/ACBM that may become 'damaged' or 'significantly damaged'.

The following definitions are the different conditions for all ACM/ACBM and how to identify what condition the ACM/ACBM is in:

1. Good: <1% overall damage and any damage does not appear to be a significant hazard.
2. Damaged: <10% localized damage or <25% total damage throughout homogeneous area.

3. Significantly Damaged: >10% localized damage or >25% total damage throughout homogeneous area.

Anytime a condition other than 'good' is identified, it shall be reported to the Asbestos Program Manager immediately.

The following OSHA asbestos regulations are applicable and must be followed where appropriate:

1. 29 CFR 1910.1001 General Industry:
    a. Employees must not be exposed to asbestos fibers at or above the permissible exposure level (PEL) as per 29 CFR 1910.1001I.
    b. Employees must be notified of ACM/ACBM in the area as per 29 CFR 1910.1001(j).
    c. If exposure limit reaches the PEL, proper procedures must be followed as per 29CFR 1910.1001I and (f).
    d. If entry into this area is required, then 29 CFR 1910.1001(g), (h), (i), and (l) must be followed.
2. 29 CFR 1926.1101 Construction:
    a. Pertains to construction projects, repair operations, etc. as defined in 29 CFR 1910.12(b). Also includes housekeeping during and right after construction.
    b. There are different procedures according to the class of asbestos work as defined in 29 CFR 1926.1101 'ASBESTOS'; Class I, II, III, and IV which must be followed. See below.
    c. If work is class I, II, or III, then the area must be regulated as per 29 CFR 1926.1101I.
    d. Regardless of the level of exposure of asbestos fibers, engineering controls and work practices must be taken, as per 29 CFR 1926.1101 (g) and the specific class of asbestos work performed.
    e. Proper notifications must be made during all asbestos-related work as per 29 CFR 1926.1101(k).

The different classifications of asbestos work are:

1. Class I: Activities involving the removal of TSI and surfacing ACM and PACM.
2. Class II: Activities involving the removal of ACM which is not thermal system insulation or surfacing material. This includes, but is not limited to, the removal of asbestos-containing wallboard, floor tile and sheeting, roofing and siding shingles, and construction mastics.
3. Class III: Repair and maintenance operations, where "ACM", including TSI and surfacing ACM and PACM, is likely to be disturbed (conducted by outside abatement contractors).
4. Class IV: Maintenance and custodial activities during which employees contact but do not disturb ACM or PACM and activities to clean up dust, waste and debris resulting from Class I, II, and III activities (this is only class of work which will be conducted by VA employees).

2.1 Scope and Objectives

The primary goal for the Asbestos Operation and Maintenance Plan is to prevent the release of asbestos fibers from existing ACM/ACBM. If prevention is not possible, then the O&M Plan will minimize the exposure of asbestos fibers. The O&M Plan will accomplish this by:

- Maintaining existing ACM/ACBM in 'good' condition.
- Routinely inspect the condition of known ACM/ACBM in a safe manner – without disturbing the material.
- Establishing procedures for managing ACM/ACBM that becomes damaged or has a potential for damage/significant damage.
- Respond to emergencies involving the disturbance of asbestos.
- Keep a record of any surveys, inspections, CAD drawings, and document changes in the existence/condition of all ACM/ACBM, any newly discovered ACM/ACBM, and any abatement of ACM/ACBM. These records will be located in the following location:

Location: Building 3 – Second Floor

David Konshok – General Engineer
david.konshok@va.gov Phone: 320-252-1670 Ext. 7785

3.0 Roles and Responsibilities

This section will identify the roles and responsibilities:

1. Facilities Management:
   a. *Chief, Facilities Management Services* – Manage, maintain and implement the Asbestos Management Program and O&M Plan.
   b. *Chief, Maintenance and Operations* – Directs Operations and Maintenance staff to contract all abatement work in compliance with the plan, report any deficiencies, newly discovered ACM, and newly damaged ACM, etc.
   c. *Asbestos Program Manager* – Performs routine updates to the plan and files relevant documentation.
2. Safety Section:
   a. *Industrial Hygienist/Safety Manager* – Provides guidance and support to ensure environmental program compliance, performs 6-month surveillance, performs ACM sampling as needed.
3. VISN Contracting Office:

   Provide government acquisition support for contracted abatement services.

4.0 Communication

This section describes the steps used to notify building occupants, contractors, and employees of the presence of asbestos in the building, abatement activities, and warning labels and caution signs. Good communication between management, tenants, contractors, and employees ensures:

- All regulatory requirements are met;
- All abatement work is performed by licensed abatement contractors in accordance with the O&M Plan and applicable documents;
- VA personnel are prevented from disturbing asbestos; and
- Misunderstandings are prevented.

4.1 Communication with Patients, Visitors, and Employees

Being a healthcare facility, in some cases, it may be more practical to relocate patients, visitors and employees to another area within the facility versus formal notifications. For asbestos abatement projects, patients, visitors and employees will be relocated during the construction phase.

4.2 Outside Contractor Communication

When contractors perform asbestos abatement within the facility, the contract documents normally define the amount, type, and condition of all known ACM/ACBM to be abated prior to contract award. If undefined ACM/ACBM is encountered during construction, the contractor will immediately notify the construction project manager/COR. Existing ACM that is not disturbed by the construction work will not always be abated. Contractors are responsible for performing all contract defined ACM abatement work in accordance with applicable federal, state, and local regulations and laws.

4.3 Employee Communication

Abatement contractors are required to comply with the OSHA regulations 29CFR 1910.1001 for General Industry and OSHA regulations 29CFR 1926.1101 during construction. There are specific details outlined depending on employee's duties and exposure levels. More specifically, refer to:

1. 29CFR 1900.1001(d): '*Exposure Monitoring*'; (7): '*Employee notification of monitoring results*'
2. 29CFR 1900.1001(j): '*Communication of hazards to employees – Introduction*'
3. 29CFR 1926.1101(k): '*Communication of hazards*'

4.4 Notification to Agencies

This section outlines the notification requirements for The State of Minnesota and the Environmental Protection Agency (EPA) compliance. Depending on the type and amount of asbestos work, scheduled or emergency, the notification requirements will vary as follows.

4.4.1 Notification Requirements

Projects that do not disturb ACM/ACBM do not require notification. Notification is required if ACM/ACBM is disturbed or is found to no longer be in 'good' condition. Disturbance of ACM/ACBM is caused when any process, which through direct contact, vibration, air movement, or other means, physically moves ACM/ACBM in such a way that fibers could become airborne. If there is any doubt as to whether ACM/ACBM could be disturbed during an operation, the Asbestos Consultant should be consulted.

4.4.1.1 Planned Operations Involving ACM/ACBM

The following shall be followed depending on the amount and type of ACM/ACBM. Thermal insulation is generally measured in linear feet, surfacing material in ft.^{2}, and misc. ACM/ACBM is measured as appropriate.

- Under 3 ft.^{2}/3 linear ft.

No notifications are required for this amount. Any ACM/ACBM waste shall be disposed of in accordance with the proper OSHA and EPA regulations.

- 3 ft^2/3 linear ft. – 160 ft.^{2}/260 linear ft.

This requires at least a 10 working days' notice to the Minnesota Department of Public Health before any ACM/ACBM is disturbed.

- Over 160 ft.^{2}/260 linear ft.

This requires at least a 10-working-day notice to the Minnesota Department of Public Health before any ACM/ACBM is disturbed.

- Demolitions and Renovations.

For buildings being demolished, all RACM as defined in 'EPA NESHAP regulations 40CFR 61 Subpart M: 'National Emissions Standard for Asbestos'; section 141: 'Definitions' must be abated as stated in section 60.145: 'Standard for Demolition and Renovation'. Refer to the notification requirements as stated in section 60.145(b): 'Notification Requirements', for specific details. Generally, the notification timeline is 10 working days prior to the date the demolition begins, a detailed notice must be provided to the administrator. All asbestos abatement work and notifications are performed by a state-licensed asbestos abatement contractor.

4.4.1.2 Emergencies Involving ACM/ACBM

In the event of an accidental release of more than one pound of asbestos (ref. 40CFR302.4, 'List of Hazardous Substances and Reportable Quantities'). The reporting process begins with the Minnesota Emergency Management agency. Notifications shall be made as early as possible. The affected area must be properly regulated in accordance with the appropriate OSHA regulations.

4.5 Warning Signs and Labels

Warning signs are placed in routine maintenance areas where ACM/ACBM is located and has a possibility of becoming disturbed during routine maintenance and/or construction. This is done to inform personnel that there is a potential hazard of asbestos fiber exposure if the ACM/ACBM is disturbed. Warning labels are placed on actual ACM/ACBM to prevent accidental damage during routine maintenance and/or construction.

4.5.1 Warning Signs

'The Asbestos Hazard Emergency Response Act of 1986' (AHERA) mandates that warning signs be displayed where there is friable and non-friable ACM/ACBM in routine maintenance areas. Warning labels are placed directly on the ACM/ACBM, such as pipe insulation, or a sign is placed in an obvious location, such as each entry location, to be seen prior to entering an area containing ACM/ACBM so those entering can take the necessary precautions before entering. Per AHERA, the warning labels shall read:

CAUTION: ASBESTOS. HAZARDOUS.
DO NOT DISTURB WITHOUT PROPER
TRAINING AND EQUIPMENT

Per 29CFR 1910.1001, warning signs shall be posted at all approaches to regulated areas so that an employee may read the signs and take necessary protective steps before entering the area."

29CFR1910.1001: Occupational Safety and Health Standards, sub-part title 'Toxic and Hazardous Substances', sub-part (j)(4)(ii)(A) says that these warning signs "shall bear the following legend:"

DANGER
ASBESTOS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY

In addition, 29CFR1926.1101: 'Safety and Health Regulations for Construction', sub-part title 'Toxic and Hazardous Substances', sub-part (k)(7)(ii)(A) says that "The warning signs required by paragraph (k)(7) of this section shall bear the following information

DANGER
ASBESTOS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY"

4.5.2 Warning Labels

Under CFR1910.1001(j)(5)(i), warning labels shall be places on "all raw materials, mixtures, scrap, waste, debris, and other products containing asbestos fibers, or to their containers." Sub-part (j)(5)(ii) says that the labels will read:

DANGER
CONTAINS ASBESTOS FIBERS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
DO NOT BREATHE DUST
AVOID CREATING DUST

In addition, CFR1926.1101(k)(8)(i) states "Labels shall be affixed to all products containing asbestos and to all containers containing such products, including waste containers. Where feasible, installed asbestos products shall contain a visible label." Per sub-part (k)(8)(iii), this label shall read:

DANGER
CONTAINS ASBESTOS FIBERS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
DO NOT BREATHE DUST
AVOID CREATING DUST

5.0 Locations of ACM/ACBM

Currently, ACM/ACBM is known to be present in most buildings at the St. Cloud VAMC campus. The most recent asbestos survey was completed in November of 2019 and before that in 2017. The complete survey is located in Building 3 in the Engineering Department and is available electronically upon request.

This inspection breaks down the quantity, type and location of known ACM/ACBM by building and is updated every 6 months to document any changes in the condition of the materials.

6.0 Training

Asbestos awareness training courses are available on the VA Talent Management System (TMS) and assigned by each service as required. The following training is recommended for appropriate personnel:

6.1 Asbestos Program Manager and Industrial Hygienist

No certification is required for the Asbestos Program Manager, but it is recommended that they be trained in an EPA approved Asbestos Inspector or Asbestos Management Planner course. The VA's Professional Industrial Hygienist (VPIH) must meet the requirements of a Professional Industrial Hygienist (PIH) and may be a Certified Industrial Hygienist (CIH).

6.2 Maintenance Staff

All Maintenance and Operations (M&O) personnel that may encounter ACM/ACBM will receive 2 hours of asbestos awareness training and an annual refresher training.

6.3 Other Building Employees

All personnel that may encounter ACM/ACBM will receive 2 hours of asbestos awareness training.

6.4 Abatement Contractors

Abatement contractors are required to be state-licensed in Minnesota. The contractor's Industrial Hygienist must be an IH and may be a CIH in order to take ACM samples.

6.5 Abatement Workers

The asbestos abatement workers hired by the abatement contractors are required to be trained and state-licensed in Minnesota.

7.0 Emergency Response

An asbestos fiber release emergency occurs when there is a possibility of a fiber exposure. This can happen if the ACM/ACBM is reduced from 'good' condition to 'damaged' or 'significantly damaged'. The ACM/ACBM may degrade due to age, moisture, or physical damage. Maintenance staff should always be on the lookout for any possible evidence of fiber release. Any asbestos related problems should be reported immediately to the Asbestos Program Manager, the Industrial Hygienist, the Maintenance and Operations Chief, and the FMS Chief.

7.1 Minor Fiber Release Episode

A minor fiber release episode occurs when less than 3 square feet/3 linear feet of friable ACM/ACBM becomes damaged. Examples include:

- A small section of damaged pipe from a pipe leak.
- 3 or fewer dislodged or damaged floor tiles.
- <3 sf of plaster or drywall system

This can be a result of accidental damage during maintenance or repair, or other physical damage and must be addressed immediately. The following procedures must be used to abate the asbestos by the asbestos by contractor.

7.1.1 Procedures for control:

1. Notify the Asbestos Program Manager.
2. Shut down or Isolate the HVAC system.
3. Evacuate any unauthorized personnel from the area.
4. Place signs at the entrance to the work area to prevent entrance into the area.

7.2 Major Fiber Release Episode

A major fiber release episode is a serious event and occurs when more than 3 square feet/3 linear feet of ACM/ACBM becomes damaged. An asbestos abatement contractor must be called to remove the ACM/ACBM.

7.2.1 Procedures for Control:

1. Notify the Asbestos Program Manager.
2. All unauthorized personnel will be evacuated from the room.
3. The area will be isolated as soon as possible and properly demarcated.
4. If necessary, all doors, windows and vents shall be sealed to prevent further exposure.
5. Air supply to room may need to be turned off.
6. Asbestos consultant may need to be contacted to evaluate area.
7. Abatement shall be fully documented.

8.0 Procedures for Planned Activities

8.1 Routine Maintenance in Which Disturbance to ACM/ACBM is Unlikely

These are routine maintenance procedures. The following precautions must be taken:

- The worker shall be properly trained in identifying ACM/ACBM and its' potential hazards.
- The worker shall take extra care to avoid disturbing ACM/ACBM.
- The worker shall contact the Asbestos Program Manager if ACM/ACBM becomes disturbed.

8.2 Routine Maintenance in Which Disturbance to ACM/ACBM is Likely

If disturbance to ACM/ACBM is likely, all work is to be conducted by an asbestos abatement contractor in accordance with all O&M procedures.

8.3 Quality Assurance

Air monitoring is performed during business hours for isolated areas and after regular business hours in traffic areas.

8.4 Routine Cleaning

All staff working near ACM/ACBM shall be made aware of the potential hazards before beginning work. All routine cleaning procedures performed (and restrictions) during construction are outlined in 29 CFR 1926.1101. All abatement of ACM/ACBM is performed by a licensed asbestos contractor. However, after abatement, there may be traces of fibers in the area. Workers shall follow all methods outlined in 29 CFR 1910.1001(k) '*Housekeeping*'.

9.0 Periodic Surveillance

9.1 Physical Inspection

Per 40 CFR 763: 'Asbestos'; Subpart E: 'Asbestos-Containing Materials in Schools'; Section 92: 'Training and Periodic Surveillance'; sub-section (b): '*Periodic Surveillance*', a periodic surveillance physical inspection must be conducted every 6 months after a management plan is in effect by performing a visual inspection and documentation.

10.0 Periodic Evaluation to O&M Plan

The O&M Plan shall be updated regularly as changes occur or at each regular inspection. Every 6-months, the O&M Plan shall be updated. Prior to the evaluation, the following information shall be gathered:

1. Changes in federal and state regulations
2. All area and personal air monitoring data
3. Periodic surveillance reports
4. Emergency reports
5. ACM/ACBM drawings for each building
6. Any new asbestos abatement project files
7. Any other relevant record keeping files

11.0 Recordkeeping

All records relevant to ACM/ACBM and asbestos abatement will be located in Building 3, Engineering Offices with the Asbestos Program Manager.

11.1 General Provisions

The General guidelines for records requirements are stated in 40 CFR; Part 763: 'Asbestos'; Subpart E: 'Asbestos-Containing Materials in Schools'; Section 94: '*Recordkeeping*'. The following will be collected:

1. 6-month surveillance records
2. Asbestos Sample Results
3. Air Samples
4. Other Documents

11.2 Operations and Maintenance Activities Files

Any relevant documentation from O&M activities regarding asbestos abatement or newly discovered asbestos will be used to update the O&M plan maintained by the Asbestos Program Manager.

APPENDIX A: VA PROJECT NUMBER 656-21-235 ST CLOUD EHRM INFRASTRUCTURE UPGRADES

ST. CLOUD VA MEDICAL CENTER
BUILDING BY BUILDING ASBESTOS SUMMARY

BLDG	No Asbestos	Floor Tile and Mastic	Floor Tile Mastic Only	Convector Insulation or Transite	Fire Doors	Window Glazing	Window Caulk	Door Caulk	Pipe Insulation	Contam. Soil	Sink Undercoating	Wall Adhesive	Rain Leader Tar	Ceiling Tile Adh.	Base Cove Adh.	Duct Seam Caulk	Vib. Damp. Cloth	Ceiling Panels	Wall Water-proof	Elev. Brakes	Roof Tar	Lab Counter	Light Liner	Transite Panels	Electrical Box Paper	Misc. Exterior Caulks
1		X	X		X				X	X			X													X
2					X			X	X	X		X	X													
3		X	X	X	X		X		X			X										X				
4		X	X		X	X	X		X	X		X	X	X						X				X		
5	X																									
6						X	X	X	X		X										X					
7						X			X		X															
8		X	X		X	X	X		X			X														
9			X		X		X		X				X													
10		X						X															X			
11						X		X																		
13						X			X																	
14		X				X																				
28		X	X	X	X				X	X																
29		X	X	X			X		X						X											
30	X																									
32	X																									
37						X																				
48		X	X		X	X			X							X										X
49		X	X		X			X	X	X	X					X		X	X							X
50		X	X	X	X				X	X						X										
51			X	X					X	X				X											X	X
54			X	X					X		X															
57	X																									
59			X		X	X	X										X									
69	X																									
87	X																									
88		X	X		X	X																				X
91					X																					
92							X				X															X
93											X															
94	X																									
95																X										
96						X					X															
97	X																									
99	X																									
100	X																									
103	X																									
104	X																									
105	X																									
106	X																									
107	X																									
108	X																									
109	X																									
110	X																									
Corridors			X			X	X	X					X													X
Tunnels									X	X																