

# 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  
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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, 1 <sup>st</sup> floor, 2 <sup>nd</sup> floor, and 3 <sup>rd</sup> 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, 1 <sup>st</sup> floor, and 2 <sup>nd</sup> floor	275 sf
Fire Doors	Basement, 1 <sup>st</sup> floor, 2 <sup>nd</sup> floor, and 3 <sup>rd</sup> 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, 1 <sup>st</sup> floor, 2 <sup>nd</sup> floor, and 3 <sup>rd</sup> 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	1 <sup>st</sup> floor and 2 <sup>nd</sup> floor	3,494 sf
Fire Doors	1 <sup>st</sup> floor and 2 <sup>nd</sup> floor	4 doors
Exterior window caulking	Basement, 1 <sup>st</sup> and 2 <sup>nd</sup> floors	78 windows
Black wall mastic	1 <sup>st</sup> and 2 <sup>nd</sup> floors	1,560 sf
Transite inside convectors under windows	1 <sup>st</sup> and 2 <sup>nd</sup> floors	2,808 sf
Black ebony lab table tops & upper shelves	1 <sup>st</sup> floor dental lab 121	130 sf

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**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, 1 <sup>st</sup> floor, and 2 <sup>nd</sup> floor	13,790 sf
Fire Doors	Basement, 1 <sup>st</sup> floor, 2 <sup>nd</sup> floor, and 3 <sup>rd</sup> floor	6 doors
Exterior window glazing & caulking	Windows in basement, 1 <sup>st</sup> , and 2 <sup>nd</sup> floors	199 windows
Exterior tar on downspouts	Exterior downspouts	3 ea.
Transite wall sheets	North Penthouse	348 sf
Black adhesive above windows	Basement and 1 <sup>st</sup> 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 1 <sup>st</sup> floor	5,350 sf
Fire Doors	1 <sup>st</sup> and 2 <sup>nd</sup> floors	11 doors
Exterior window glazing & caulking	Basement, 1 <sup>st</sup> and 2 <sup>nd</sup> floors	63 windows
Black adhesive on walls	Basement and 1 <sup>st</sup> floors above ceilings	60 sf

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**Building 9**

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

**Building 10**

<b>Asbestos Containing Materials</b>	<b>Locations</b> (refer to drawings & database for exact locations)	<b>Quantity</b>
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**

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

**Building 13**

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

**Building 14**

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

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**Building 28**

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

**Building 29**

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

<b>Asbestos Containing Materials</b>	<b>Locations</b> (refer to drawings & database for exact locations)	<b>Quantity</b>
Pipe insulation – Mag block	Concealed behind plaster walls and ceilings in Basement and 1 <sup>st</sup> Floor	1,510 lf +
9" & 12" vinyl floor tile and black mastic	Basement, 1 <sup>st</sup> floor, and 2 <sup>nd</sup> floor	2,260 sf
Fire Doors	Basement, 1 <sup>st</sup> floor, and 2 <sup>nd</sup> floors	15 doors
Window glazing & caulking	Windows in Basement, 1 <sup>st</sup> , and 2 <sup>nd</sup> 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



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**Building 49**

<b>Asbestos Containing Materials</b>	<b>Locations</b> (refer to drawings & database for exact locations)	<b>Quantity</b>
Pipe insulation – Mag block	Concealed behind plaster walls and ceilings on all floors; N. Penthouse; Mech. Room 300	420 lf+
Contaminated soil in crawlspaces	Crawlspac 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	1 <sup>st</sup> 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	1 <sup>st</sup> and 2 <sup>nd</sup> 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**

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

**Building 51**

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

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**Building 54**

<b>Asbestos Containing Materials</b>	<b>Locations</b> (refer to drawings & database for exact locations)	<b>Quantity</b>
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**

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

<b>Asbestos Containing Materials</b>	<b>Locations</b> (refer to drawings & database for exact locations)	<b>Quantity</b>
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**

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

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**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 1 <sup>st</sup> 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-Friable (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 ACM and each asbestos-containing TSI during the inspection/re-inspection.

1. **Damaged or significantly damaged TSI ACM** - 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**

<b>AHERA CATEGORY</b>	<b>RESPONSE ACTION RECOMMENDATION</b>
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



**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 COC-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 Convectector	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 Convectector	MISC	12 SF 1 Each	0-3	Good	NF	\$500	
1	Corridor C1A	Assumed	Insulation Inside Convectector	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
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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 CON	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	

<b>TOTAL COST</b>	<b>\$8,020</b>
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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 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	

<b>TOTAL COST</b>	<b>\$7,050</b>
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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 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 windows	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
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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 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 COC	4	MASTIC	MISC	684 SF	0	Good	NF	\$3,420	
BSMT	CORRIDOR COC	32	FIREDOOR CORE	MISC	1 DOOR	0-7	Good	NF	\$100	
BSMT	CORRIDOR COC	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	HOMOGENEOUS 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	HOMOGENEOUS MATERIAL	MATERIAL	MATERIAL 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	

<b>TOTAL COST</b>	<b>\$79,215</b>
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LF = linear feet  
SF = square feet  
NF = non-friable

MATL. TYPE

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

**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
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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	

<b>TOTAL COST</b>	<b>\$4,115</b>
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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 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	

<b>TOTAL COST</b>	<b>\$6,800</b>
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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	

<b>TOTAL COST</b>	<b>\$1,100</b>
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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 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	

<b>TOTAL COST</b>	<b>\$1,420</b>
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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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor Insulation	MISC	1 Each	0-3	Good	NF	\$1,000	
1	Room 108	56	Convactor Insulation	MISC	1 Each	0-3	Good	NF	\$1,000	
1	Room 109	56	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor Insulation	MISC	2 Each	0-3	Good	NF	\$2,000	
1	Room 127	56	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor Insulation	MISC	1 Each	0-3	Good	NF	\$1,000	
1	Room 134	56	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor Insulation	MISC	2 Each	0-3	Good	NF	\$2,000	
1	Room 142A	56	Convactor Insulation	MISC	1 Each	0-3	Good	NF	\$1,000	
1	Room 143	56	Convactor Insulation	MISC	1 Each	0-3	Good	NF	\$1,000	
1	Room 144	56	Convactor Insulation	MISC	1 Each	0-3	Good	NF	\$1,000	
1	Room 147	56	Convactor Insulation	MISC	11 Each	0-3	Good	NF	\$11,000	
1	Room 147B	56	Convactor Insulation	MISC	1 Each	0-3	Good	NF	\$1,000	
1	Room 147C	56	Convactor 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	Convactor 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	Convactor Insulation	MISC	1 Each	0-3	Good	NF	\$1,000	
1	Room 150A	56	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	

<b>TOTAL COST</b>	<b>\$168,585</b>
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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	Convactor Refractory	MISC	2 Each	0-3	Good	NF	\$400	
1	Room 101	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 104	69	Convactor 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	Convactor Refractory	MISC	2 Each	0-3	Good	NF	\$400	
1	Room 107	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 112	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 113	69	Convactor 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	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 125	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 127	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 128	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 130	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 131	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 131A	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 132	69	Convactor 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	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 135	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
1	Room 136	69	Convactor	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	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 205	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 206	69	Convactor 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	Convactor Refractory	MISC	1 Each	0-3	Good	5	\$200	
2	Room 216	69	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor 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	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 226	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 227	69	Convactor 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	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 229	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 230	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 231	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 232	69	Convactor Refractory	MISC	2 Each	0-3	Good	NF	\$400	
2	Room 233	69	Convactor 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	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 237	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 238	69	Convactor 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	Convactor Refractory	MISC	2 Each	0-3	Good	NF	\$400	
2	Room 240	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 241	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 242	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 244	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 245	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 245A	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 249	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 250	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 251	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 252	69	Convactor Refractory	MISC	1 Each	0-3	Good	NF	\$200	
2	Room 253	69	Convactor Refractory	MISC	2 Each	0-3	Good	NF	\$400	
2	Room 254	69	Convactor 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	

<b>TOTAL COST</b>	<b>\$90,825</b>
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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 COC	61	Fire Door	MISC	5 Doors	0-7	Good	NF	\$500	
BSMT	Corridor COC	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.

<b>TOTAL COST</b>	<b>\$135,071</b>
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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	HOMOGENEOUS MATERIAL	MATERIAL	MATERIAL 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 COC	20	Pipe Insulation Behind Plaster	TSI	22 LF* 4 ftgs	0-11	Good	5	\$440	
BSMT	Corridor COC	50	Fire Door	MISC	1 Door	0-7	Good	5	\$100	
BSMT	Corridor CONE	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	20	Pipe Insulation	TSI	5 LF	0-11	Poor	1	\$200	
	CONE		Above Plaster Ceil		4 ftgs					
BSMT	Corridor	50	Fire Door	MISC	1 Door	0-7	Good	NF	\$100	
	CONE									
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.

<b>TOTAL COST</b>	<b>\$697,434</b>
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**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
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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 CON	9AA	Pipe Insulation	TSI	4 LF 4 Fittings	0-11	Good	5	\$80	
BSMT	Corridor COC	21AA	Fire Door	MISC	2 Doors	0-7	Good	NF	\$200	
BSMT	Corridor COS	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 Convactor	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 Convactor	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 Convactor	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 Convactor	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 Convactor	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 Convactor	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 Convactor	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 Convactor	MISC	12 SF 1 Each	0-3	Good	NF	\$240	
2	Room 201	20AA	Transite in Convactor	MISC	67 SF 5 Each	0-3	Good	NF	\$1,340	
2	Room 205	20AA	Transite in Convactor	MISC	10 SF 1 Each	0-3	Good	NF	\$200	
2	Room 206	20AA	Transite in Convactor	MISC	10 SF 1 Each	0-3	Good	NF	\$200	
2	Room 207	20AA	Transite in Convactor	MISC	12 SF 1 Each	0-3	Good	NF	\$240	
2	Room 208	20AA	Transite in Convactor	MISC	20 SF 2 Each	0-3	Good	NF	\$400	
2	Room 211	20AA	Transite in Convactor	MISC	24 SF 2 Each	0-3	Good	NF	\$480	
2	Room 212	20AA	Transite in Convactor	MISC	12 SF 1 Each	0-3	Good	NF	\$240	
2	Room 213	20AA	Transite in Convactor	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 Convactor	MISC	22 SF 2 Each	0-3	Good	NF	\$440	
2	Room 294A	20AA	Transite in Convactor	MISC	10 SF 1 Each	0-3	Good	NF	\$200	
2	Room 295	20AA	Transite in Convactor	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	

<b>TOTAL COST</b>	<b>\$576,460</b>
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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 Convactor	MISC	12 SF 1 Each	0-3	Good	NF	\$240	
BSMT	Room 16	38	Transite in Convactor	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 Convactor	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	

<b>TOTAL COST</b>	<b>\$858,555</b>
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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	

<b>TOTAL COST</b>	<b>\$3,950</b>
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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		
									<b>TOTAL COST</b>	<b>\$19,715</b>	

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	

<b>TOTAL COST</b>	<b>\$100</b>
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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	

<b>TOTAL COST</b>	<b>\$600</b>
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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	

<b>TOTAL COST</b>	<b>\$200</b>
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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	

<b>TOTAL COST</b>	<b>\$7,450</b>
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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	

<b>TOTAL COST</b>	<b>\$37,650</b>
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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	

<b>TOTAL COST</b>	<b>\$170,530</b>
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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



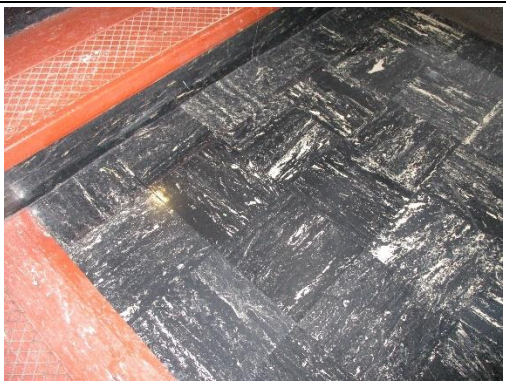

6 = ACBM with potential for significant damage

7 = any remaining friable ACBM or friable suspected ACBM




## **APPENDIX B**

### **PHOTOGRAPHS OF ASBESTOS MATERIALS**

## PHOTOGRAPHS OF ASBESTOS MATERIALS BUILDING 1





<p><b>Photo 1-1</b> Pipe insulation – Mud fittings on fiberglass insulated lines</p>	 A photograph showing several white fiberglass insulated pipes. The pipes are labeled 'L.P. STEAM' and 'L.P. RETURN'. There are several orange 'DANGER' labels attached to the pipes. The pipes are supported by metal brackets and have some mud-like material on the fittings.
<p><b>Photo 1-2</b> Contaminated soil in crawlspace</p>	 A photograph of a crawlspace. The floor is covered with a layer of dark, contaminated soil. There are white pipes running along the wall and ceiling of the crawlspace.
<p><b>Photo 1-3</b> 9" vinyl floor tile and black mastic</p>	 A photograph showing a close-up of a floor. There is a section of orange vinyl floor tile on the left, and a section of black mastic on the right. The mastic is dark and appears to be a thick, adhesive material.
<p><b>Photo 1-4</b> 12" vinyl floor tile and black mastic</p>	 A photograph showing a close-up of a floor. There is a section of light-colored vinyl floor tile on the left, and a section of black mastic on the right. The mastic is dark and appears to be a thick, adhesive material.

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 1**

<p><b>Photo 1-5</b> Fire Doors</p>	
<p><b>Photo 1-6</b> Exterior caulking on brick wall joints</p>	
<p><b>Photo 1-7</b> Exterior tar on downspouts</p>	



**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 2**

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



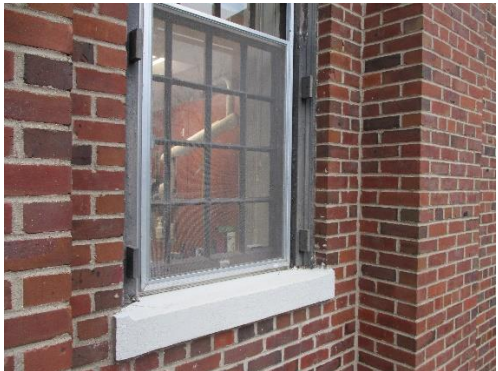

## PHOTOGRAPHS OF ASBESTOS MATERIALS BUILDING 2

### Photo 2-5



Fire Doors






## PHOTOGRAPHS OF ASBESTOS MATERIALS BUILDING 3

<p><b>Photo 3-1</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 3-2</b> Fire Doors</p>	
<p><b>Photo 3-3</b> Exterior window caulking</p>	
<p><b>Photo 3-4</b> Black wall mastic above ceiling tiles on exterior walls</p>	





**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 3**

<p><b>Photo 3-5</b> Transite inside convectors under windows</p>	
<p><b>Photo 3-6</b> Black ebony lab table tops and upper shelves</p>	





**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 4**

<p><b>Photo 4-1</b> Pipe insulation – Mag block</p>	
<p><b>Photo 4-2</b> Contaminated soil in crawlspaces</p>	
<p><b>Photo 4-3</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 4-4</b> Fire Doors</p>	



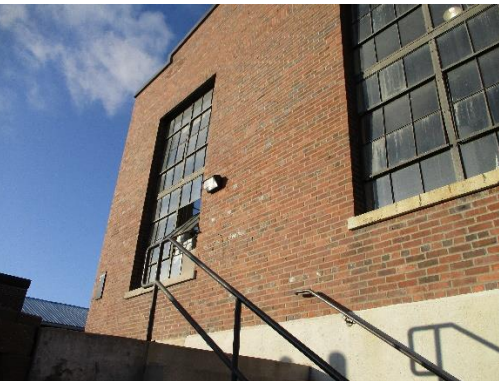

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 4**

<p><b>Photo 4-5</b> Exterior window glazing &amp; caulking</p>	 A photograph showing a multi-paned window with a white frame. The window is set into a brick wall. The caulking around the window frame appears to be in poor condition, with some missing or peeling material.
<p><b>Photo 4-6</b> Exterior tar on downspouts</p>	 A close-up photograph of a downspout. The downspout is made of a dark material, possibly metal or plastic, and is surrounded by a concrete or masonry base. There is a significant amount of dark, tar-like material smeared on the wall around the base of the downspout.
<p><b>Photo 4-7</b> Transite wall sheets</p>	 A photograph of a wall made of light-colored, fibrous panels (Transite wall sheets). The panels are separated by dark joints. A small white label is visible on one of the panels. The wall appears to be part of an interior or semi-enclosed structure.
<p><b>Photo 4-8</b> Black adhesive above windows</p>	 A photograph showing a dark, irregularly shaped mass of material, likely black adhesive, applied to a light-colored wall above a window. The adhesive is thick and appears to be peeling or cracking in some areas.

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 6**





<p><b>Photo 6-1</b> Pipe insulation mud fittings on fiberglass insulated pipes</p>	 A close-up photograph showing a black electrical control box mounted on a fiberglass insulated pipe. The pipe is wrapped in white fiberglass insulation. A wooden handle is visible in the background.
<p><b>Photo 6-2</b> Exterior window glazing &amp; caulking</p>	 A photograph of a window set in a red brick wall. The window has a white frame and a dark screen. The caulking around the window frame appears to be in poor condition.
<p><b>Photo 6-3</b> Exterior tar roof overhang</p>	 A photograph showing a brick building with a roof overhang. The overhang is supported by wooden brackets and has a layer of tar or roofing material on top. The roof is made of asphalt shingles.
<p><b>Photo 6-4</b> Sink undercoating</p>	 A photograph of the underside of a sink. The underlayment is a white material with a hole in the center. A metal pipe is visible through the hole. The sink is painted a bright green color.

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 7**



<p><b>Photo 7-1</b> Pipe insulation</p>	 A photograph showing several large white pipes wrapped in white insulation. A red fire alarm pull station is visible on the wall to the right of the pipes.
<p><b>Photo 7-2</b> Tar/asphalt on drain pipe at floor</p>	 A close-up photograph of a dark, cylindrical drain pipe. The pipe is heavily coated with a thick, dark, tar-like substance. A small white label is attached to the pipe.
<p><b>Photo 7-3</b> Window caulking (exterior)</p>	 An exterior photograph of a brick building. A window is visible with a metal railing in front of it. The window frame appears to have been recently caulked.
<p><b>Photo 7-4</b> Sink undercoating</p>	 A photograph of a stainless steel sink in a kitchen or utility area. The sink is mounted on a wall. A red bucket is on the floor to the right of the sink. A yellow tag is attached to the sink's plumbing.







**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 8**

<p><b>Photo 8-1</b> Pipe insulation – Mag block</p>	
<p><b>Photo 8-2</b> 9" vinyl floor tile</p>	
<p><b>Photo 8-3</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 8-4</b> Fire Doors</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 8**

<p><b>Photo 8-5</b> Exterior window glazing &amp; caulking</p>	 A photograph showing the exterior of a brick building. The focus is on a window with white glazing and caulking. The brickwork is red, and the sky is blue with some clouds. A grassy area and a walkway are visible in the background.
<p><b>Photo 8-6</b> Black adhesive on walls</p>	 A close-up photograph of a wall. A red arrow points from the text 'Black adhesive on walls' to a small, dark, irregularly shaped substance on the wall. The wall is light-colored, and there is a metal pipe or rod running horizontally across the frame.


**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 9**

<p><b>Photo 9-1</b> Pipe insulation mud fitting on fiberglass insulated piping</p>	
<p><b>Photo 9-2</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 9-3</b> Fire Doors</p>	
<p><b>Photo 9-4</b> Exterior window caulking</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 9**

<p><b>Photo 9-5</b> Exterior tar on downspouts</p>	
<p><b>Photo 9-6</b> Cove base adhesive/mastic</p>	

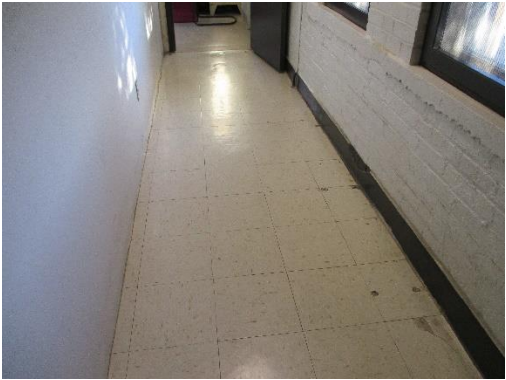

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 10**

<p><b>Photo 10-1</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 10-2</b> Door caulking (exterior)</p>	
<p><b>Photo 10-3</b> Paper in light fixture</p>	





**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 11**

<p><b>Photo 11-1</b> Door caulking (exterior)</p>	
<p><b>Photo 11-2</b> Window glazing</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 13**



<p><b>Photo 13-1</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 13-2</b> Window glazing</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 28**

<p><b>Photo 28-1</b> Pipe insulation in attic</p>	 A photograph of an attic space. A large pipe is wrapped in yellow insulation. The floor is covered with debris and dust. A brick wall is visible on the left.
<p><b>Photo 28-2</b> Contaminated soil in crawlspace</p>	 A photograph of a crawlspace. The floor is covered with a layer of soil and debris. A black plastic sheet is visible in the background.
<p><b>Photo 28-3</b> 12" vinyl floor tile and black mastic</p>	 A photograph of a hallway. The floor is covered with light-colored vinyl floor tiles. A black mastic is visible along the base of the wall.
<p><b>Photo 28-4</b> Fire Doors</p>	 A photograph of a hallway. A wooden door is labeled "Fire Door". A fire alarm pull station is visible on the wall to the right. A fire safety poster is also visible on the wall.



**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 28**

<p><b>Photo 28-5</b> Transite inside convectors under windows</p>	
<p><b>Photo 28-6</b> Pipe insulation in pipe penetration above ceiling in basement</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 29**

<p><b>Photo 29-1</b> Pipe insulation – Mag. Block in attic</p>	 A photograph showing white pipe insulation on a brick wall in an attic. The pipes are white with some orange and red markings. The floor is concrete.
<p><b>Photo 29-2</b> 12" vinyl floor tile and black mastic</p>	 A photograph of a hallway floor covered in light-colored, square vinyl floor tiles. A dark baseboard is visible along the wall.
<p><b>Photo 29-3</b> Window frame caulk (exterior)</p>	 A photograph of a window frame set into a brick wall. The window has a mesh screen. The frame appears to be made of metal or plastic.
<p><b>Photo 29-4</b> Fire Doors</p>	 A photograph of a fire door in a hallway. The door is wood-grain and has a red sign that says "Fire Door". There is a small window in the door and a handle.

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 29**

**Photo 29-5**



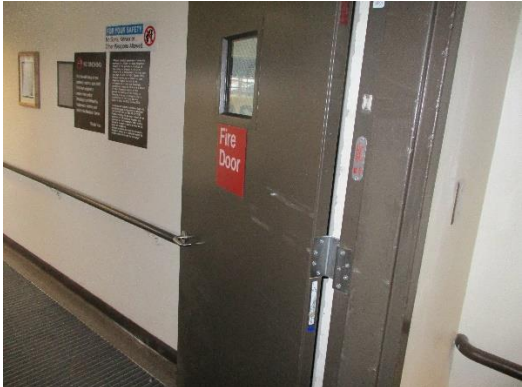
Transite inside convectors  
under windows



**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 48**

<p><b>Photo 48-1</b> 9" vinyl floor tile and black mastic</p>	
<p><b>Photo 48-2</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 48-3</b> Window glazing &amp; caulking</p>	
<p><b>Photo 48-4</b> Exterior vent caulking</p>	




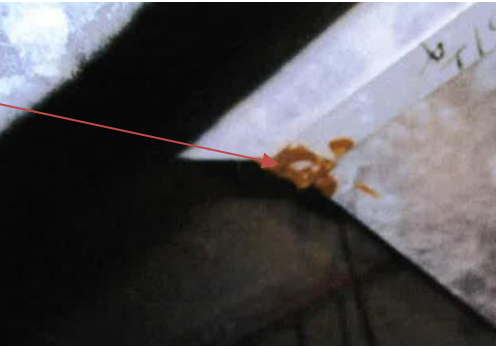
**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 29**

<p><b>Photo 48-5</b> Exterior brick seam caulk</p>	 A photograph of an exterior brick wall corner. A red arrow points from the text 'Exterior brick seam caulk' to a horizontal joint between two bricks on the left wall.
<p><b>Photo 48-6</b> Duct seam caulk</p>	 A photograph of a circular duct opening on a concrete floor. A red arrow points from the text 'Duct seam caulk' to a dark, irregular sealant applied around the perimeter of the duct.
<p><b>Photo 48-7</b> Fire doors</p>	 A photograph of a hallway with a dark brown fire door. A red sign on the door reads 'Fire Door'. To the left of the door, there are several informational signs on the wall.



**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 49**

<p><b>Photo 49-1</b> Pipe insulation – Mag block</p>	
<p><b>Photo 49-2</b> Contaminated soil in crawlspaces</p>	
<p><b>Photo 49-3</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 49-4</b> Fire Doors</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 49**




<p><b>Photo 49-5</b> Exterior door frame caulk</p>	 A photograph showing the exterior door frame of a building. A red arrow points from the text 'Exterior door frame caulk' to the dark caulk applied around the base of the door frame.
<p><b>Photo 49-6</b> 2x4 lay-in ceiling tiles in basement</p>	 A photograph of a ceiling in a basement, showing several square, textured, light-colored lay-in ceiling tiles. The tiles are separated by yellowish grid lines.
<p><b>Photo 49-7</b> Vent caulk</p>	 A photograph of a brick wall with a square vent opening covered by a metal lattice. A red arrow points from the text 'Vent caulk' to the dark caulk applied around the perimeter of the vent opening. A sign with 'Build 49' is visible to the right.
<p><b>Photo 49-8</b> Brown duct sealant/mastic</p>	 A close-up photograph of a brown, textured duct sealant or mastic applied to a joint. A red arrow points from the text 'Brown duct sealant/mastic' to the sealant.

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 49**



<p><b>Photo 49-9</b> Black sink undercoating in basement</p>	
<p><b>Photo 49-10</b> Black tar wall waterproofing</p>	



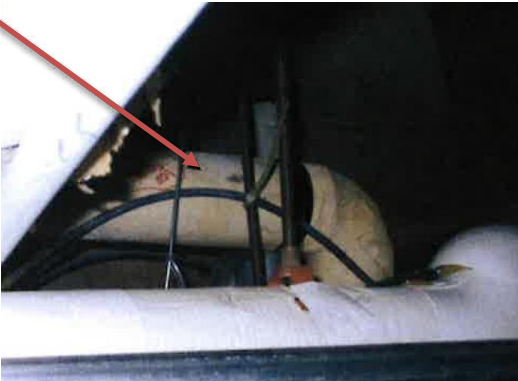


**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 50**

<p><b>Photo 50-1</b> Pipe insulation – Mag block</p>	
<p><b>Photo 50-2</b> Contaminated soil in crawlspace</p>	
<p><b>Photo 50-3</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 50-4</b> Fire Doors</p>	





**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 50**

<p><b>Photo 50-5</b> Transite inside convectors under windows</p>	
<p><b>Photo 50-6</b> Tan duct sealant/mastic</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 51**

<p><b>Photo 51-1</b> Pipe insulation above ceiling</p>	
<p><b>Photo 51-2</b> Contaminated soil in crawlspace</p>	
<p><b>Photo 51-3</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 51-4</b> Fire Doors</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 51**

<p><b>Photo 51-5</b> Transite inside convectors under windows</p>	
<p><b>Photo 51-6</b> Paper inside electrical switch box</p>	
<p><b>Photo 51-7</b> Glue pods for 12" ceiling tile</p>	
<p><b>Photo 51-8</b> Caulking on exterior brick walls</p>	


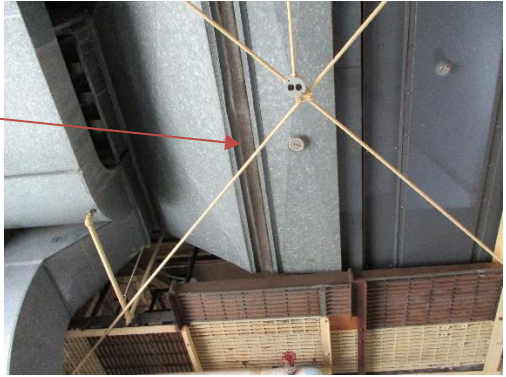
**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 54**

<p><b>Photo 54-1</b> Pipe insulation mud fittings on fiberglass in shops</p>	
<p><b>Photo 54-2</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 54-3</b> Black sink undercoating</p>	





## PHOTOGRAPHS OF ASBESTOS MATERIALS BUILDING 59

<p><b>Photo 59-1</b> 12" vinyl floor tile and black mastic</p>	
<p><b>Photo 59-2</b> Fire Doors</p>	
<p><b>Photo 59-3</b> Door frame caulk</p>	
<p><b>Photo 59-4</b> Exterior vent caulking</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 1**

<p><b>Photo 59-5</b> Exterior window glazing and caulking</p>	
<p><b>Photo 59-6</b> Vibration dampening cloths on ducts</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 88**

<p><b>Photo 88-1</b> 9" vinyl floor tile and black mastic</p>	
<p><b>Photo 88-2</b> Fire Doors</p>	
<p><b>Photo 88-3</b> Exterior window glazing</p>	
<p><b>Photo 88-4</b> Expansion joint caulk</p>	






**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 91**

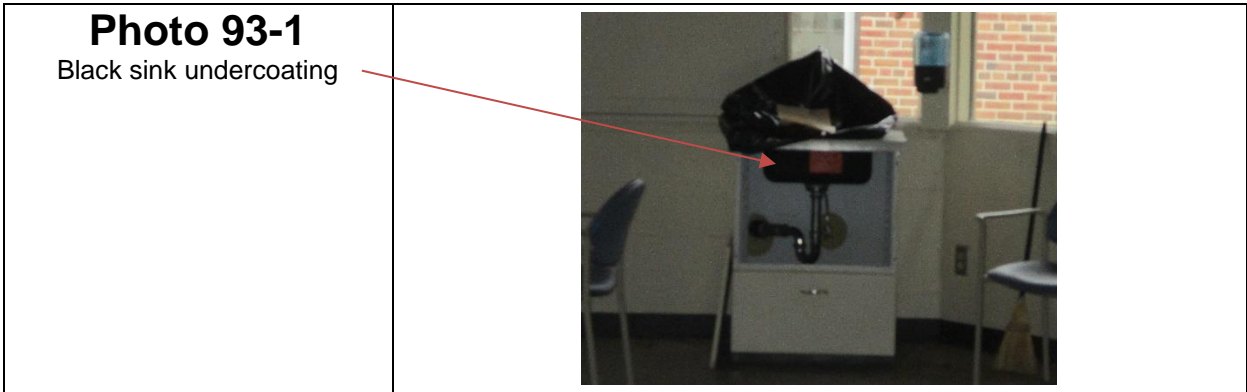
**Photo 91-1**  
Fire door



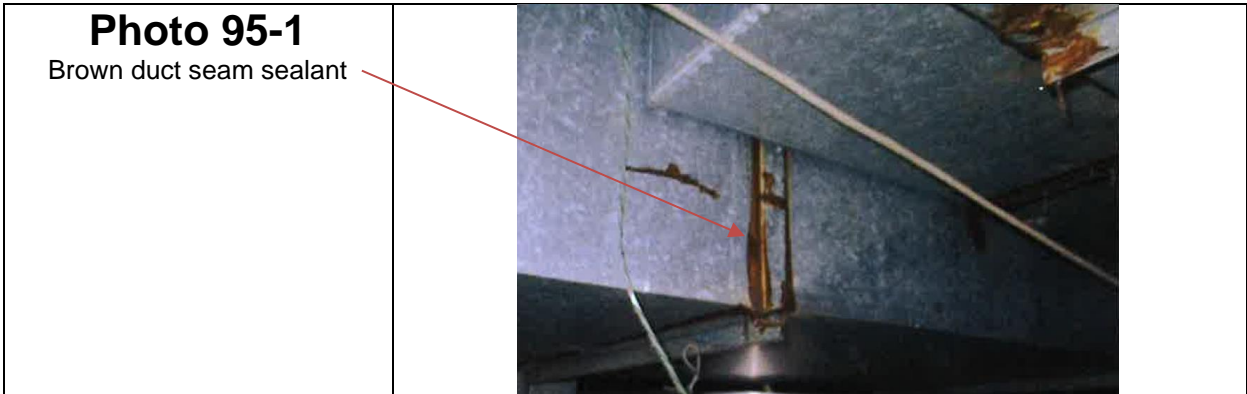
**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 92**

<p><b>Photo 92-1</b> Pipe penetration hole filler</p>	
<p><b>Photo 92-2</b> Black sink undercoating</p>	
<p><b>Photo 92-3</b> Window frame caulk</p>	

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 93**







**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 95**





**PHOTOGRAPHS OF ASBESTOS MATERIALS  
BUILDING 96**

<p><b>Photo 96-1</b> Black sink undercoating</p>	
<p><b>Photo 96-2</b> Window frame caulk</p>	




**PHOTOGRAPHS OF ASBESTOS MATERIALS  
CONNECTING CORRIDORS**

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

**PHOTOGRAPHS OF ASBESTOS MATERIALS  
CONNECTING CORRIDORS**

<p><b>Photo CC-5</b> Mastic under floor tile</p>	
<p><b>Photo CC-6</b> Door frame caulk</p>	

## PHOTOGRAPHS OF ASBESTOS MATERIALS TUNNELS UNDER CONNECTING CORRIDORS

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



# APPENDIX C

## INSPECTOR CERTIFICATIONS



*B. Brumbaugh*

Director, Env. Health Div.

**m** ASBESTOS  
DEPARTMENT OF HEALTH INSPECTOR

Certified by:  
State of Minnesota  
Department of Health

**Expires: 09/26/2020**

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

No. A114402 Issued: 10/02/2019

## **APPENDIX D**

### **ASBESTOS LOCATIONS & SAMPLE LOCATION DRAWINGS**

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

VA CONTRACT NUMBER: 36C26319P1003

0  
three inches = one foot  
1  
one and one-half inches = one foot  
2  
one inch = one foot  
3  
three-quarters inch = one foot  
4  
one-half inch = one foot  
5  
three-eighths inch = one foot  
6  
one-quarter inch = one foot  
7  
one-eighth inch = one foot

A  
B  
C  
D  
E  
F

Revisions	Dates

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



North:

Drawing Title  
**TITLE SHEET**

Approved : Division Chief

Approved : Service Director

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

Building Number  
-

Checked  
**BLB**

Drawn  
**AFS**

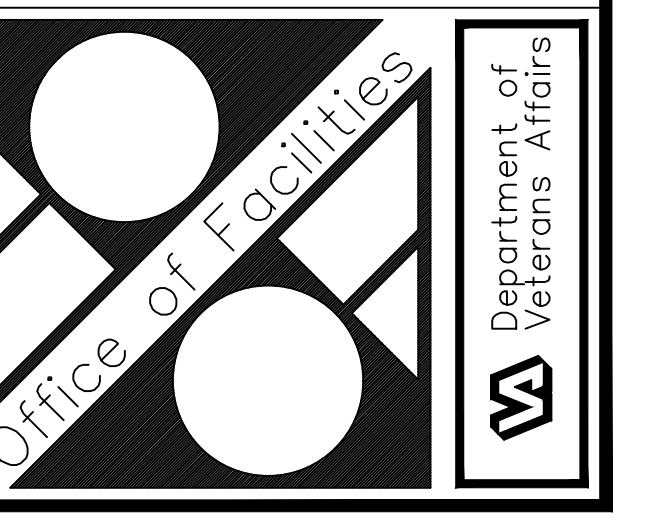
Location  
**ST. CLOUD, MINNESOTA**

Date  
**NOVEMBER 2019**

Project No.  
**36C26319P1003**

Drawing No.  
**CS**

Sheet 01 of 71

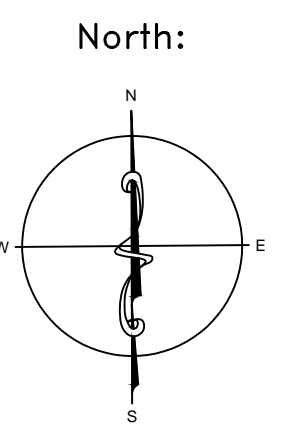




### BUILDING #1 - BASEMENT FLOOR PLAN

- 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

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



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



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

A  
 B  
 C  
 D  
 E  
 F

three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

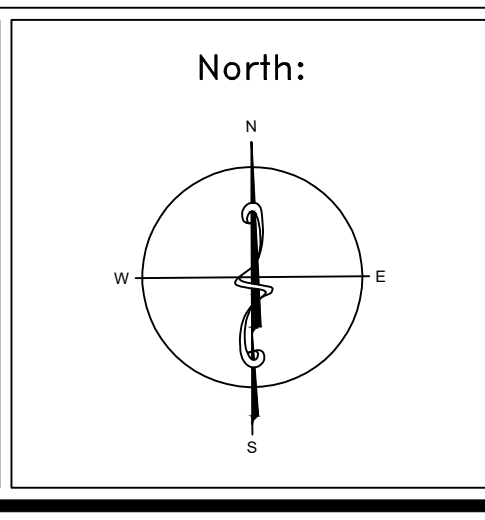


**BUILDING #1 - FIRST FLOOR PLAN**

- 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

Revisions	Dates

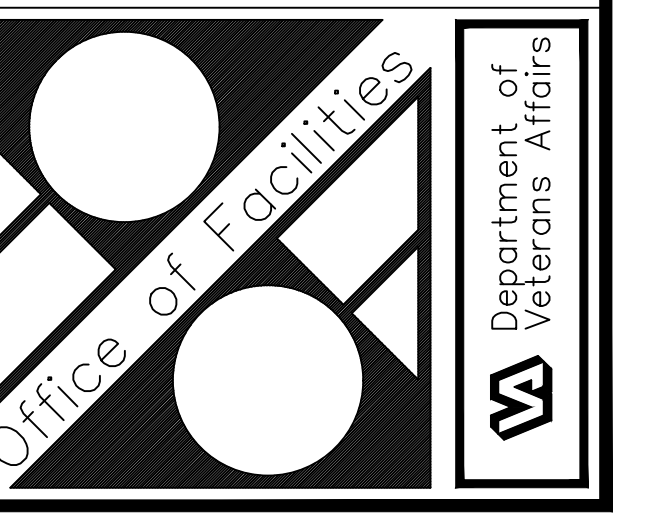
ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
 218-A MECHANIC STREET,  
 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 1 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	


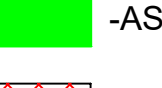
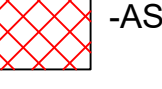
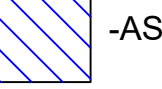
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Building Number	001	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>2A</b>
Sheet	03 of 71





**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

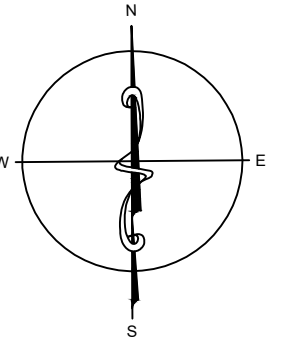
ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
 219-A MECHANIC STREET,  
 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



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  
 Location: ST. CLOUD, MINNESOTA

Date  
**NOVEMBER 2019**

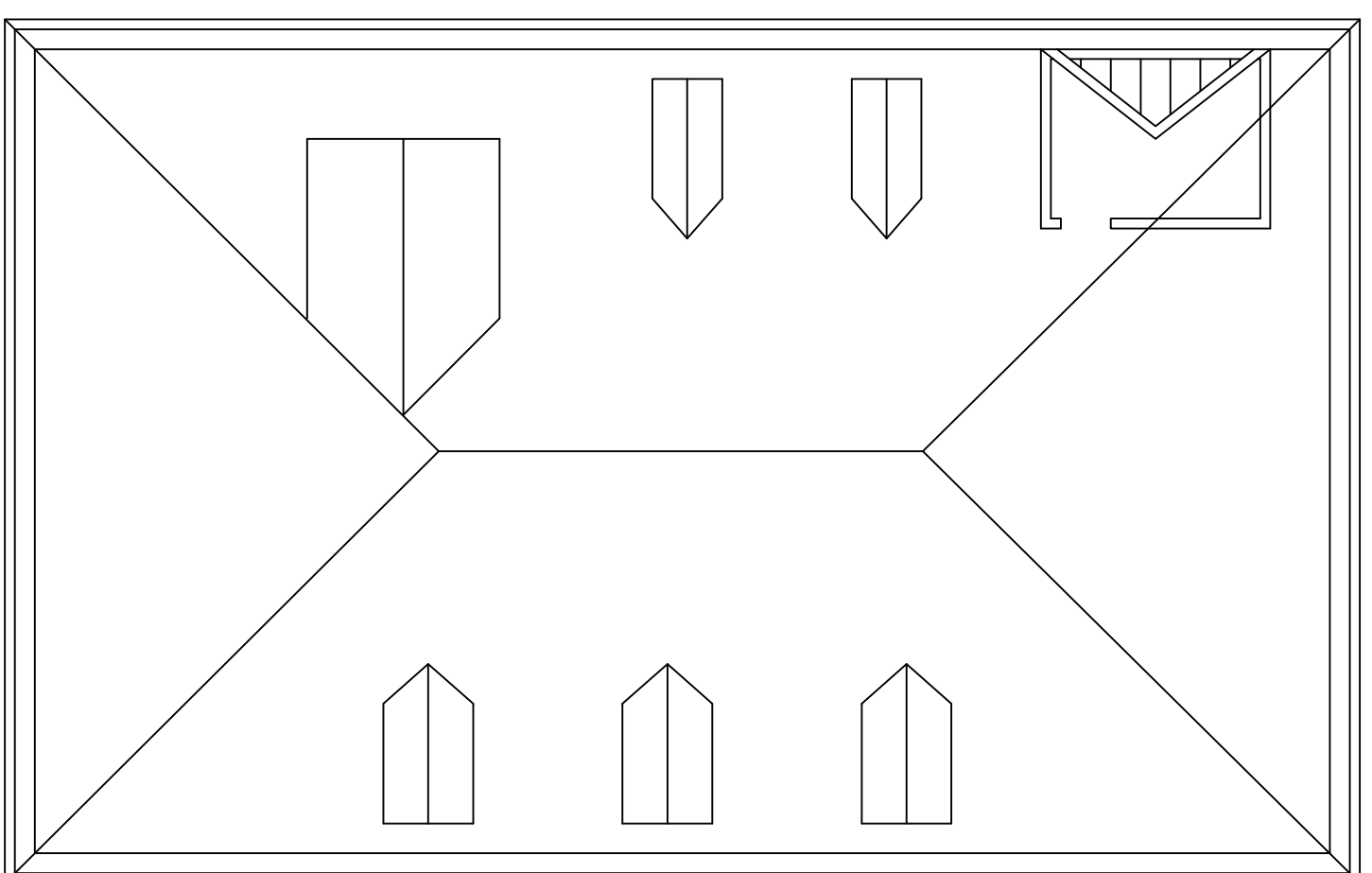
Project No.  
**36C26319P1003**

Drawing No.  
**3A**  
 Sheet 04 of 71

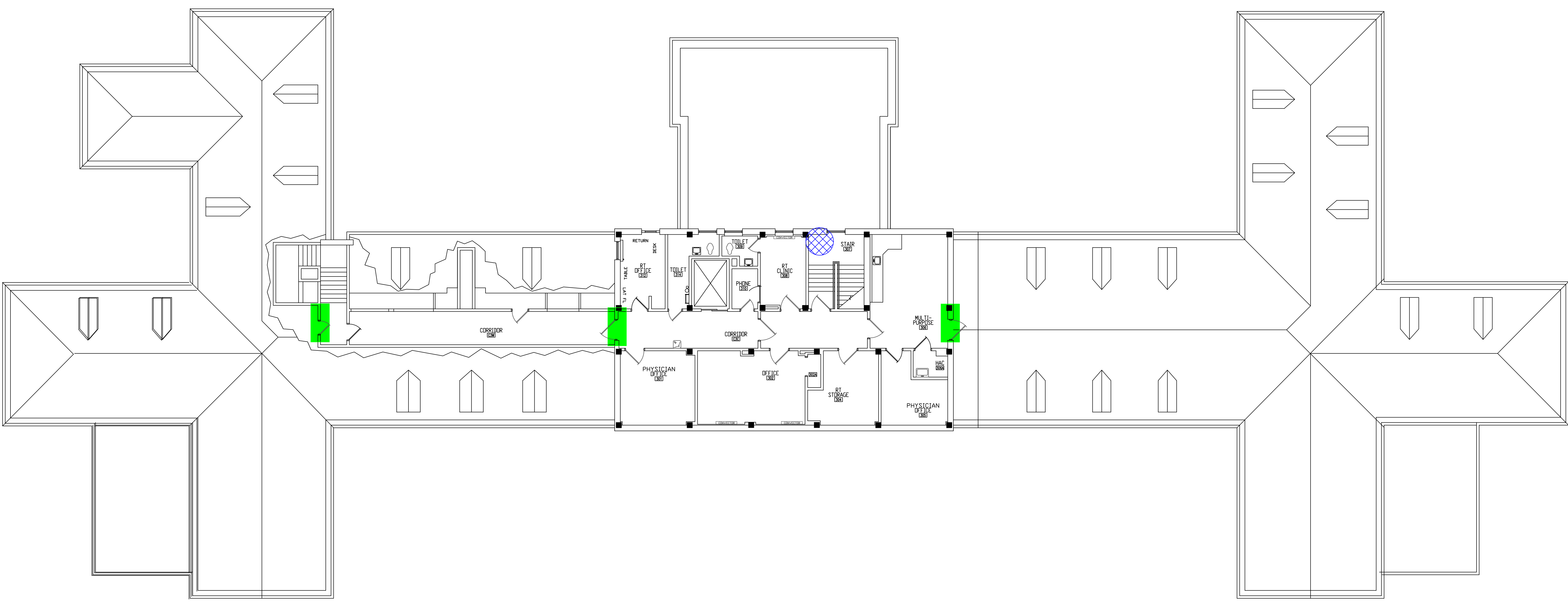


three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



**BUILDING #1 - THIRD FLOOR ATTIC ROOF**



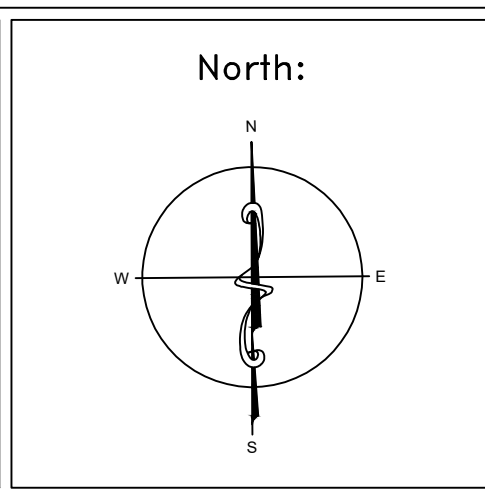
**BUILDING #1 - THIRD FLOOR PLAN**

**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



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**

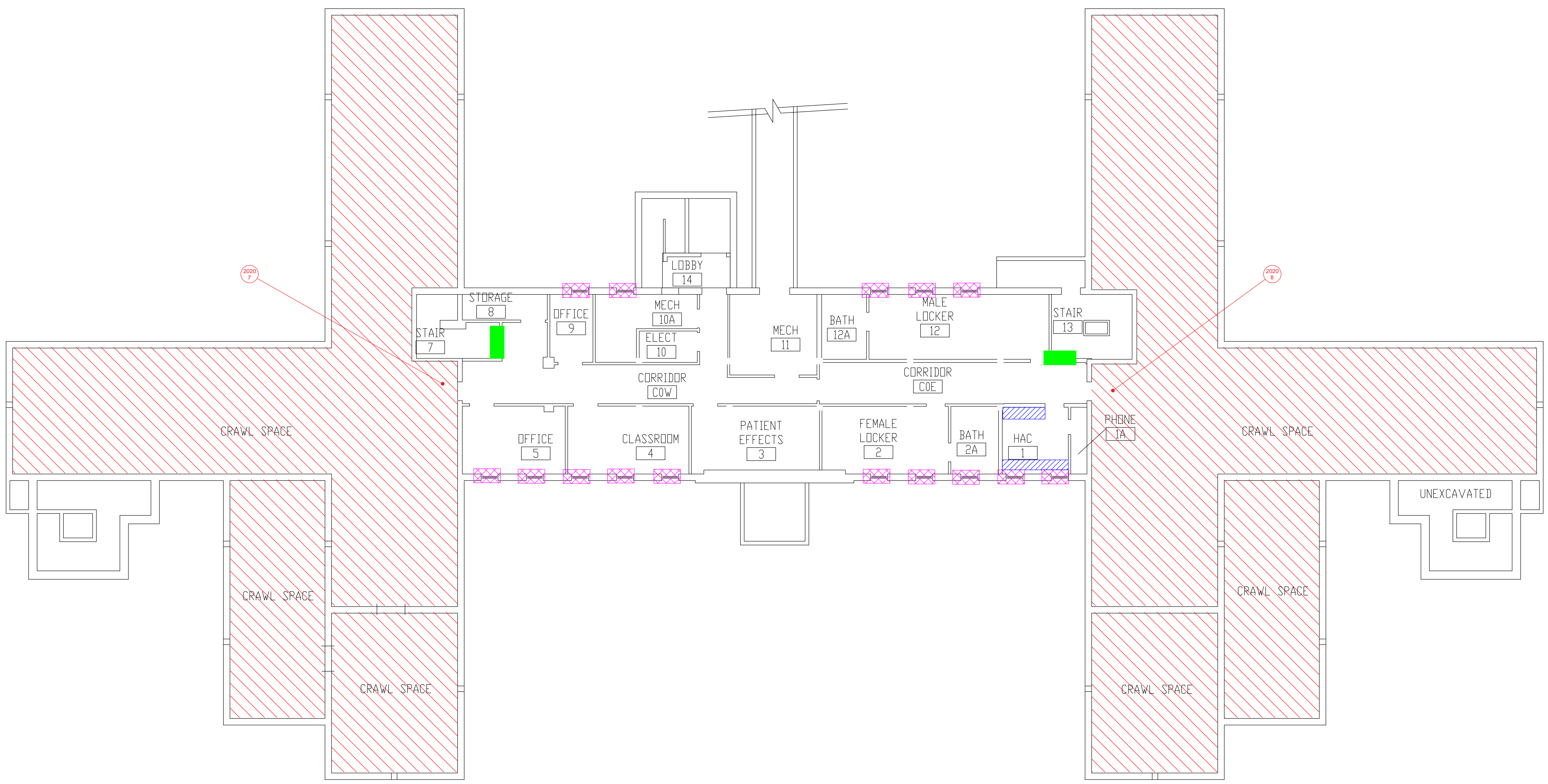
Drawing No.  
**4A**

Sheet 05 of 71





three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

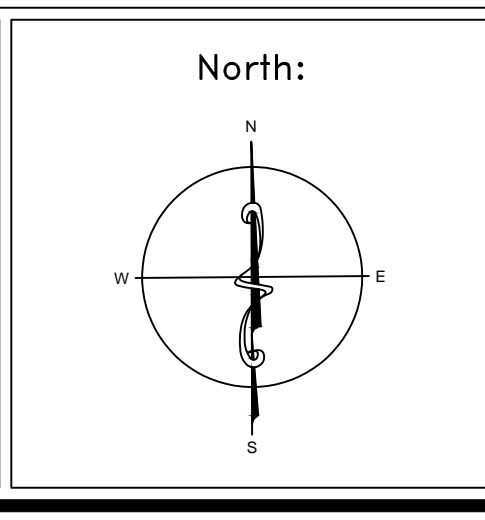


**BUILDING #2 - BASEMENT FLOOR PLAN**

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

Revisions	Dates

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



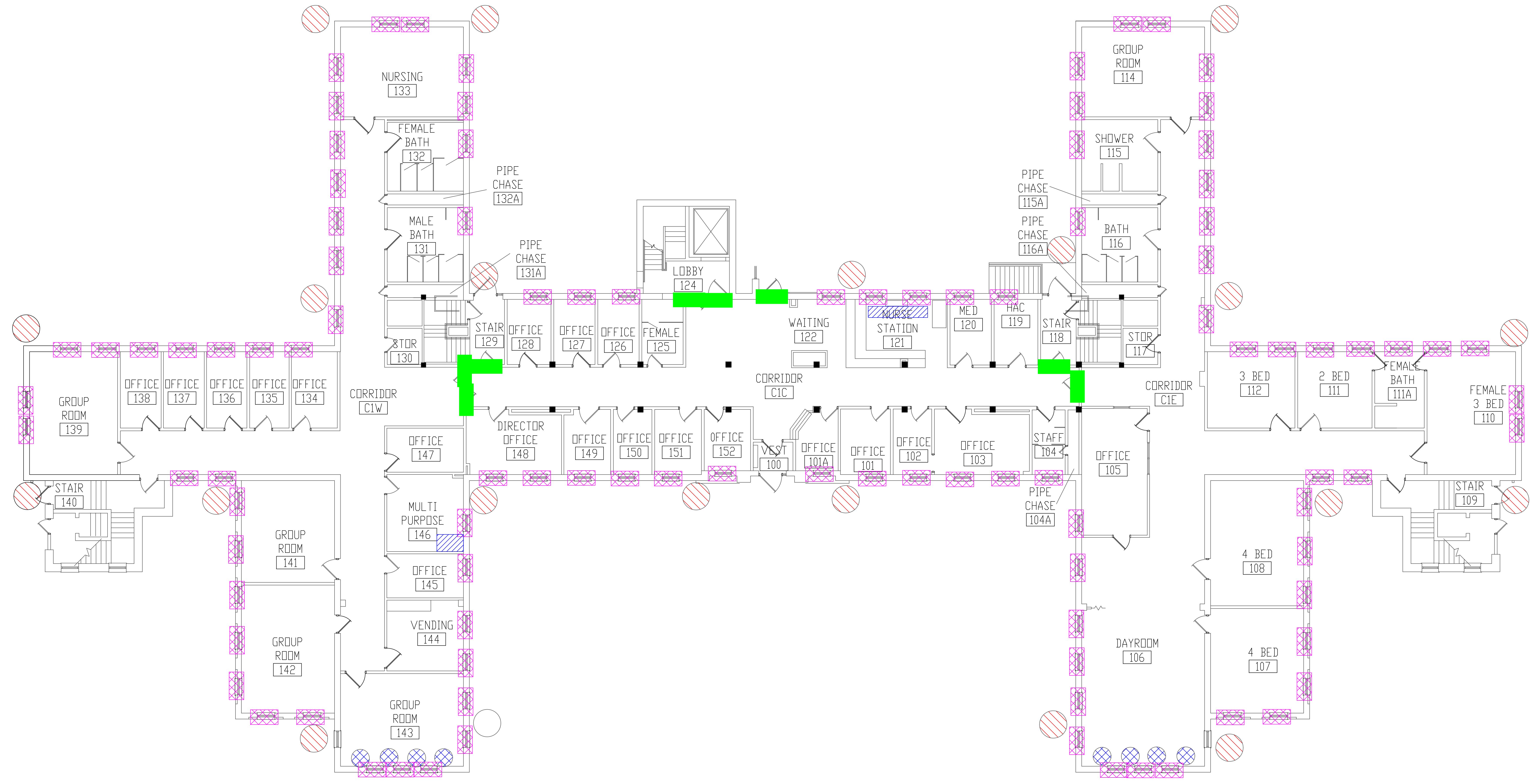
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Approved : Division Chief	
Approved : Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	002	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet	06 of 71



three eighths inch = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

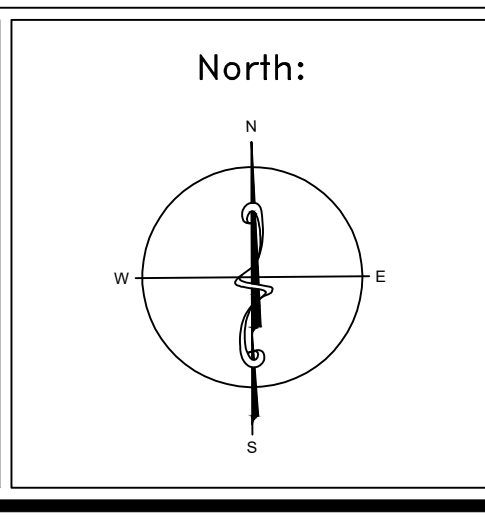


**BUILDING #2 - FIRST FLOOR PLAN**

- 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

Revisions	Dates

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



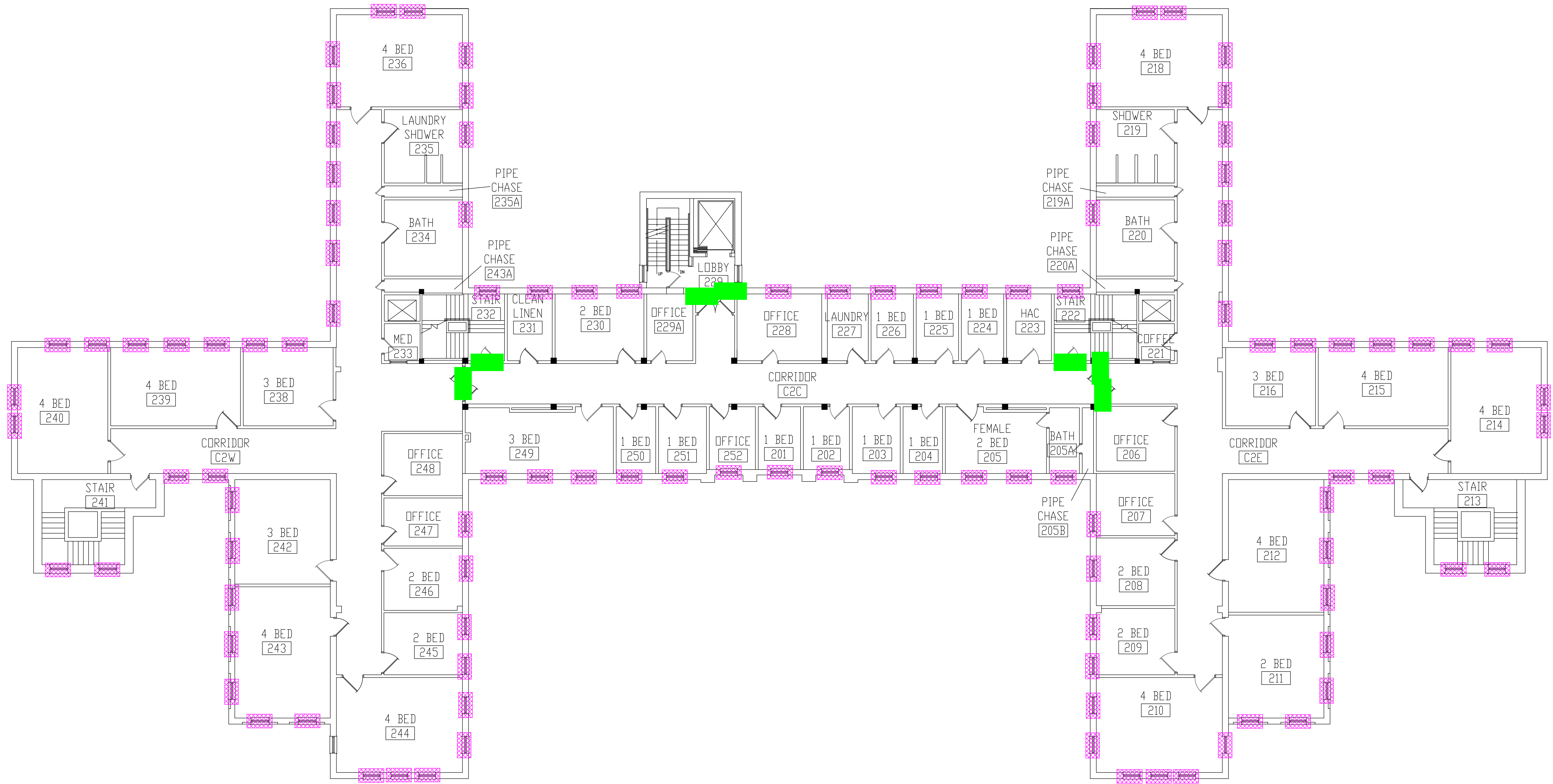
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Approved: Division Chief	
Approved: Service Director	

Project Title		
<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	Checked	Drawn
<b>002</b>	<b>BLB</b>	<b>AFS</b>
Location		
<b>ST. CLOUD, MINNESOTA</b>		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>2A</b>
Sheet 07 of 71	



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

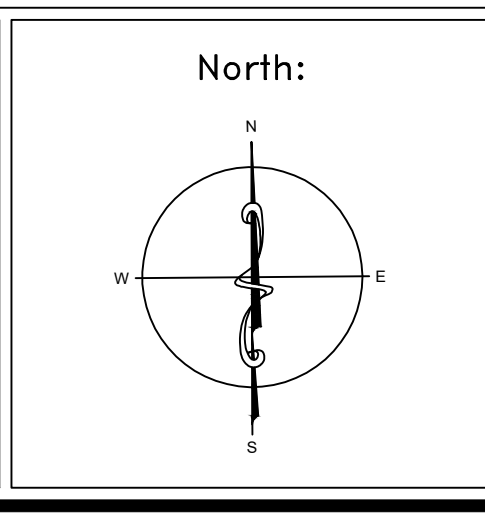


**BUILDING #2 - SECOND FLOOR PLAN**

- 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



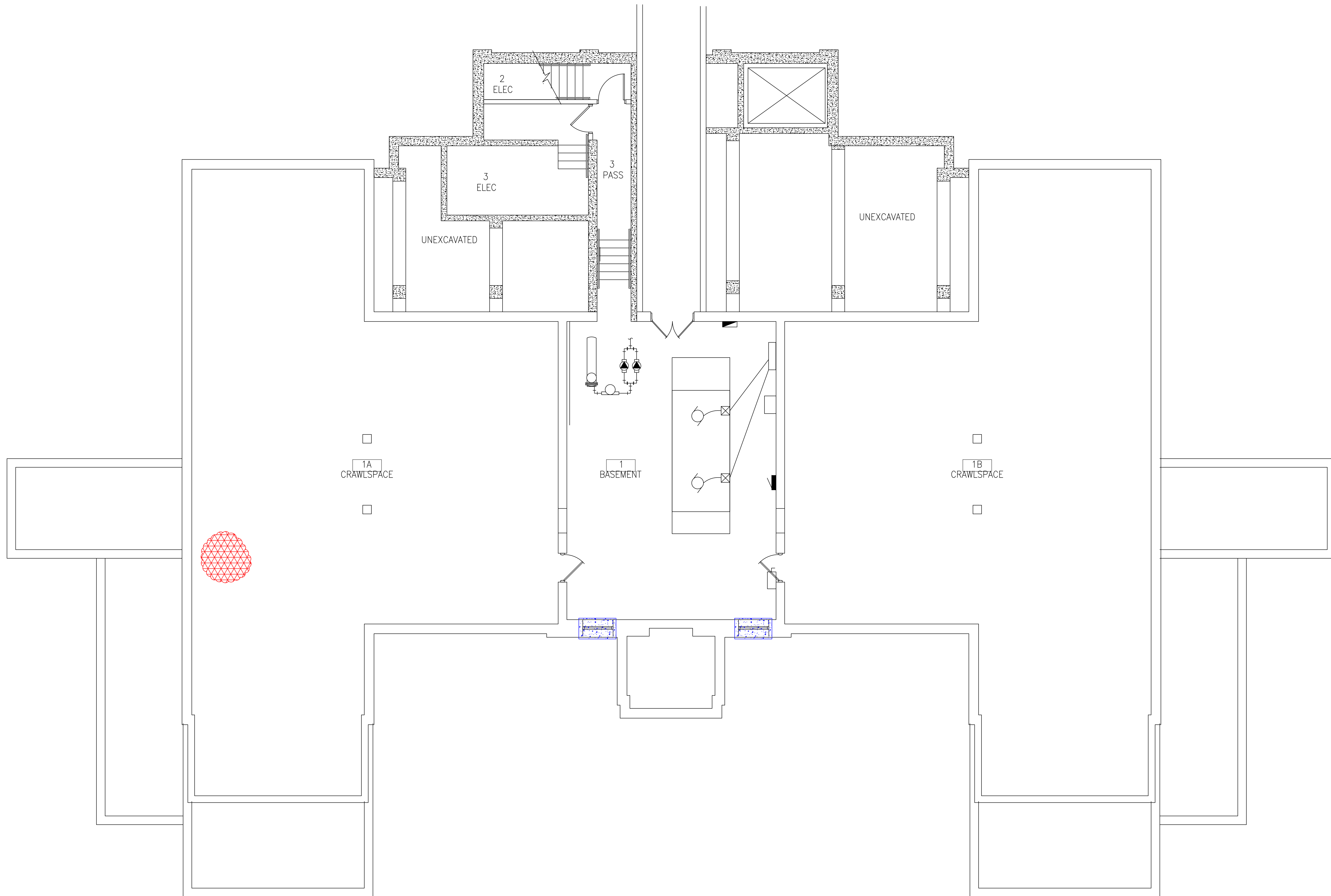
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Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	002	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

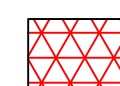
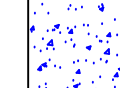
Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	3A
Sheet	08 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

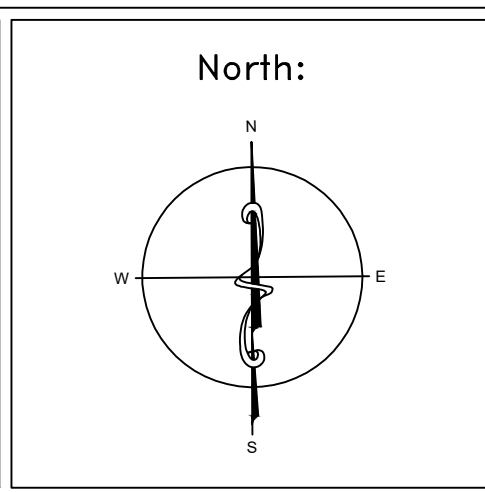


**BUILDING #3 - BASEMENT FLOOR PLAN**

- 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

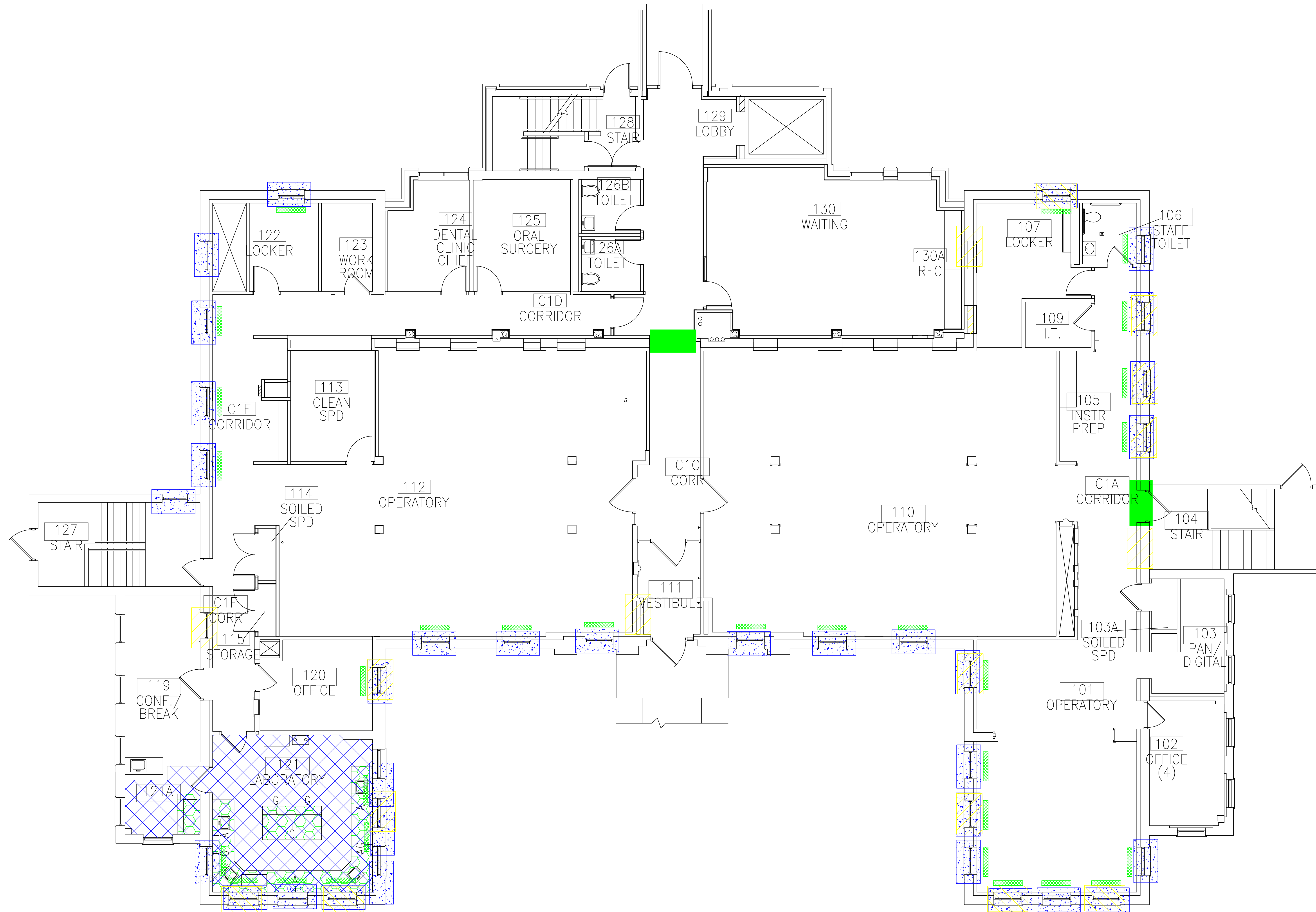


Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 3 Scale: 1/4" = 1'-0"</b>
Approved : Division Chief	
Approved : Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	003	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet	09 of 71





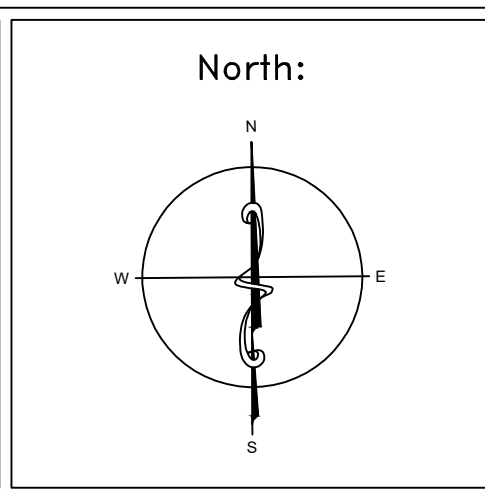
**BUILDING #3 - FIRST FLOOR PLAN**

**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

Revisions	Dates

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



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**

Location  
**ST. CLOUD, MINNESOTA**

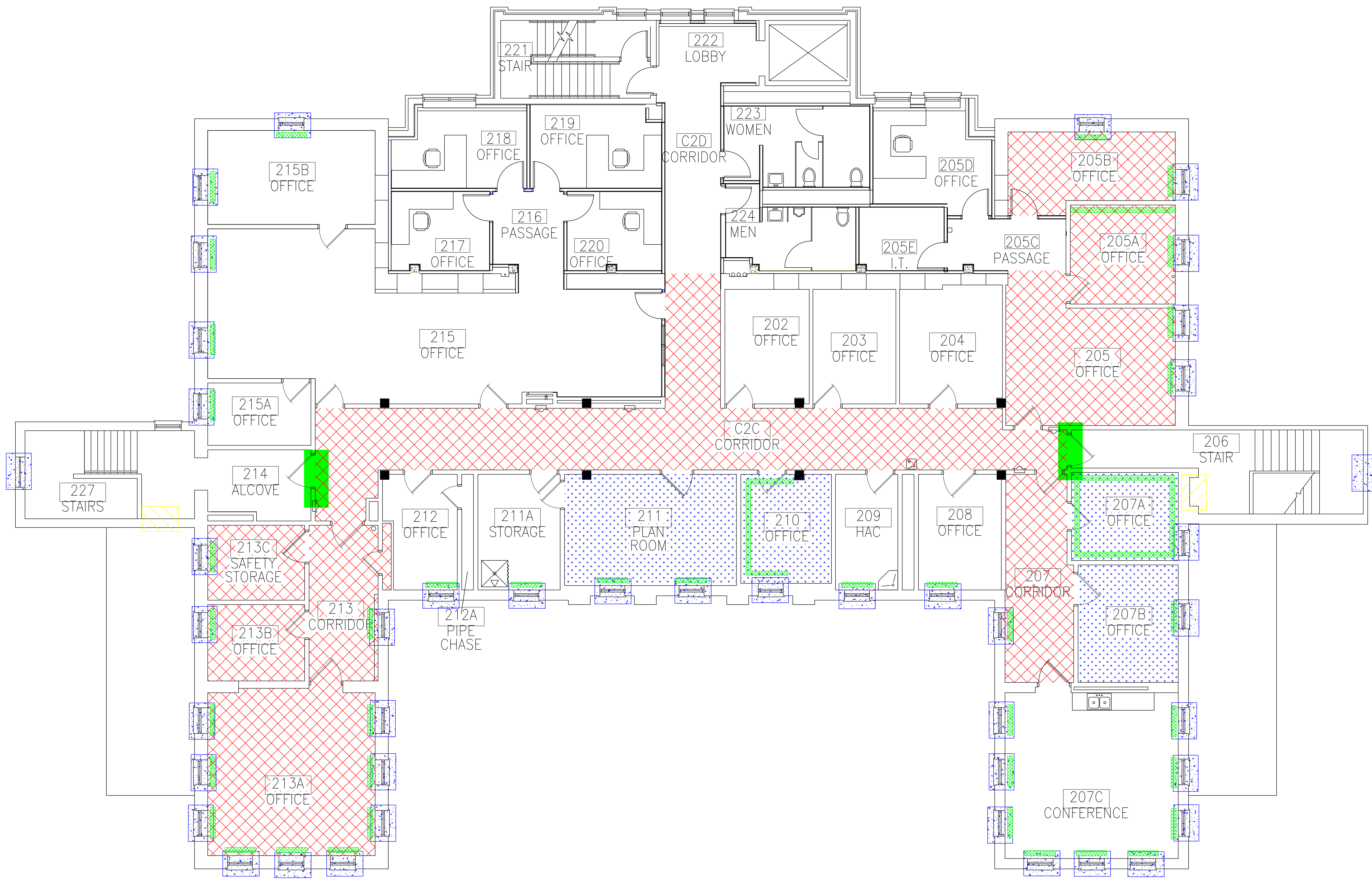
Date  
**NOVEMBER 2019**

Project No.  
**36C26319P1003**

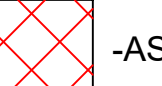
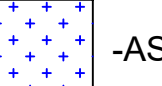

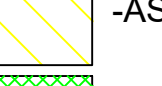
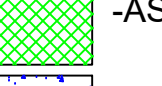
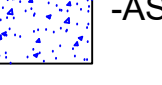
Drawing No.  
**2A**

Sheet 10 of 71



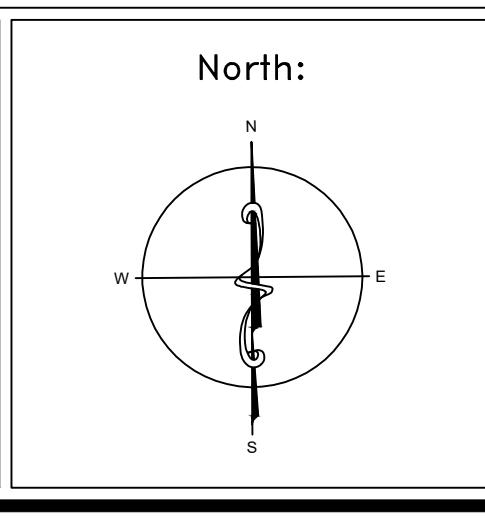


**BUILDING #3 - SECOND FLOOR PLAN**

- 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

Revisions	Dates

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



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**

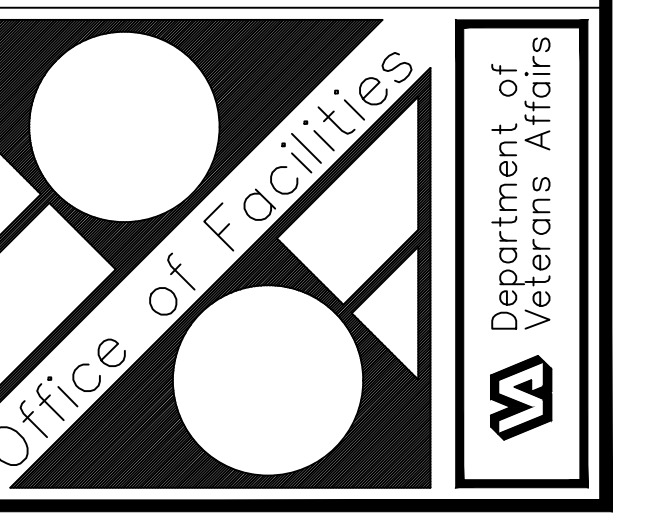
Location  
**ST. CLOUD, MINNESOTA**

Date  
**NOVEMBER 2019**

Project No.  
**36C26319P1003**

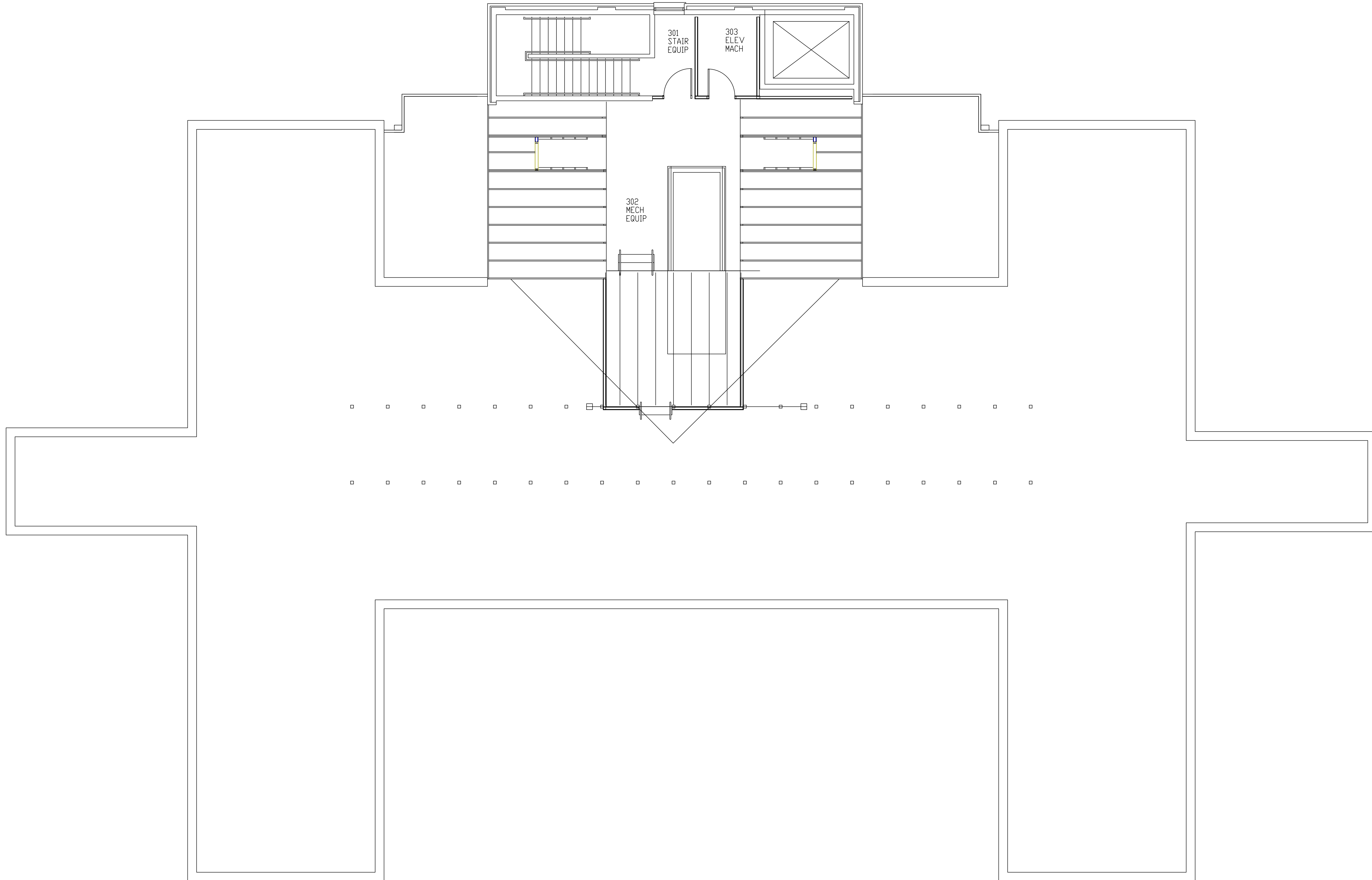
Drawing No.  
**3A**

Sheet 11 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

A  
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 E  
 F

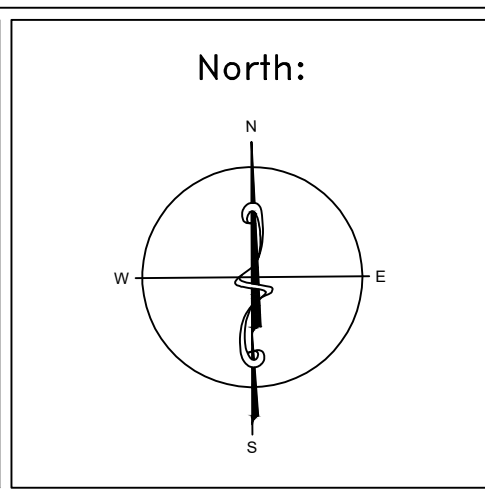


**BUILDING #3 - ATTIC FLOOR PLAN**

three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

Revisions	Dates

ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
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 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



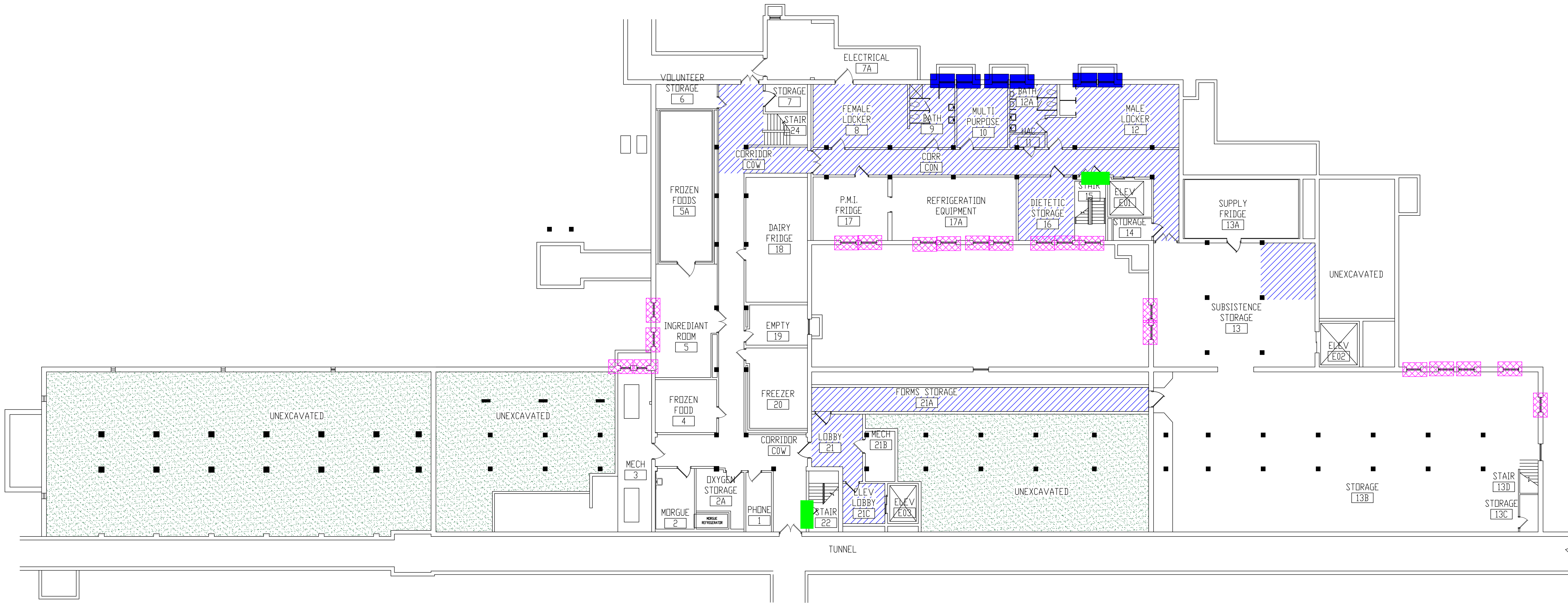
Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 3          Scale: 1/4" = 1'-0"</b>
Approved : Division Chief
Approved : Service Director

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>003</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>4A</b>
Sheet 12 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

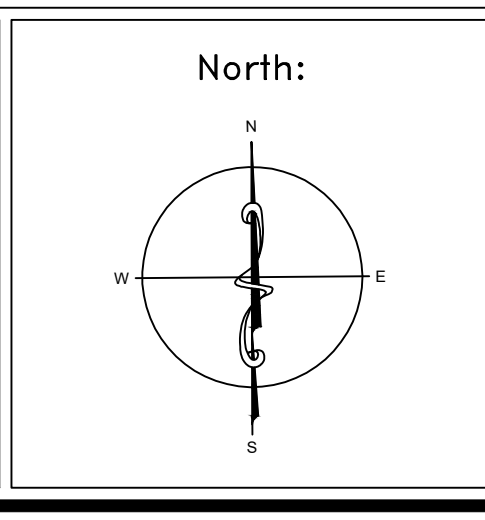


**BUILDING #4 - BASEMENT FLOOR PLAN**

- 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

Revisions	Dates

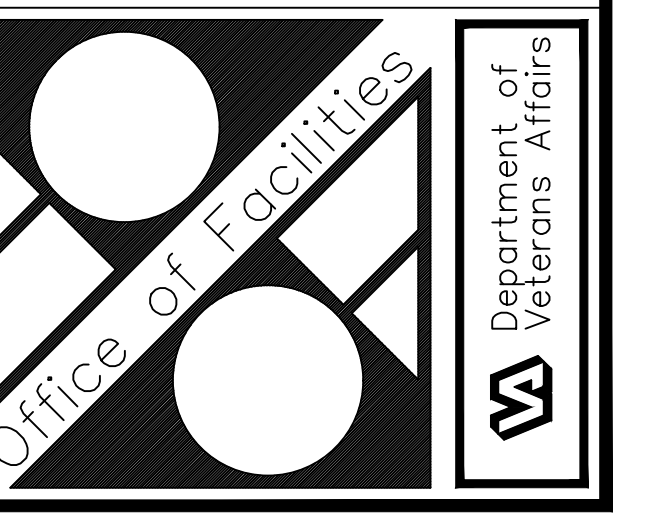
ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
 218-A MECHANIC STREET,  
 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 4 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

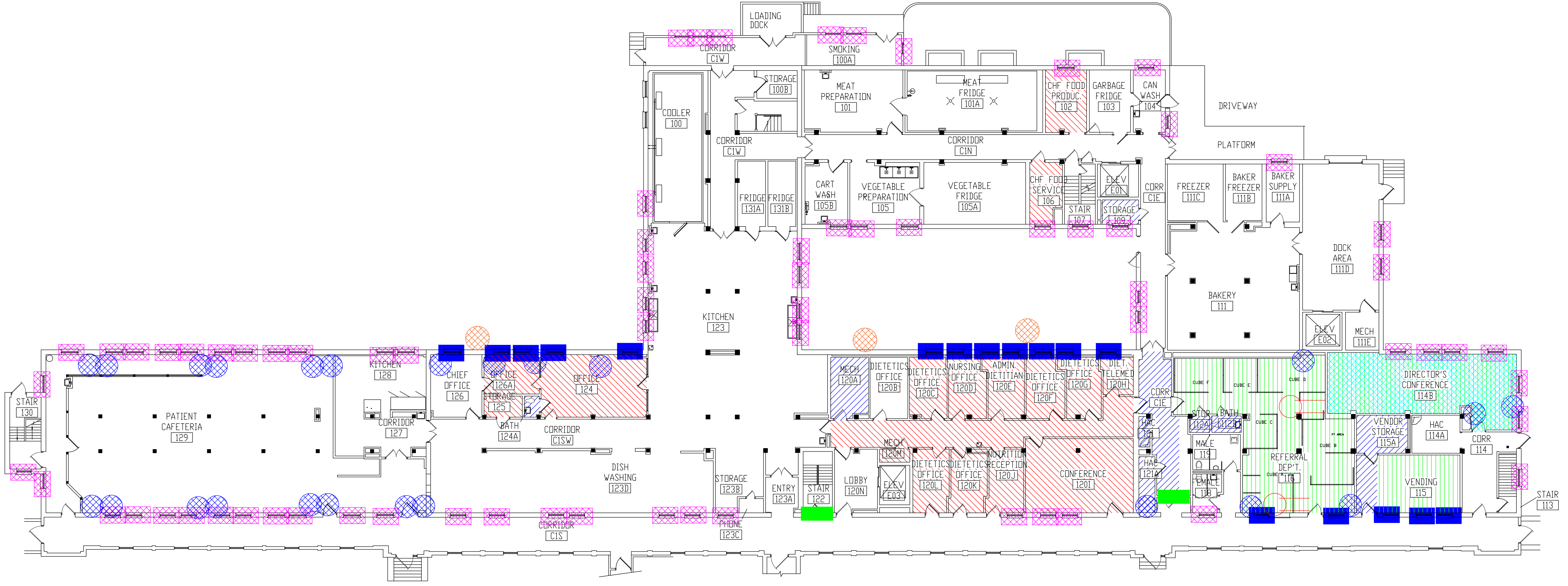
Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	004	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet	13 of 71





three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

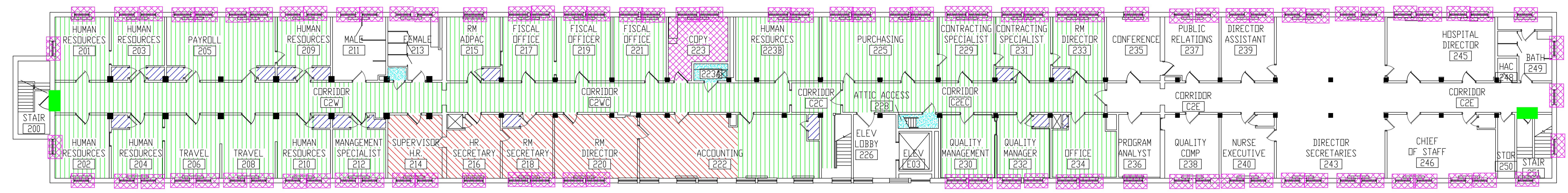
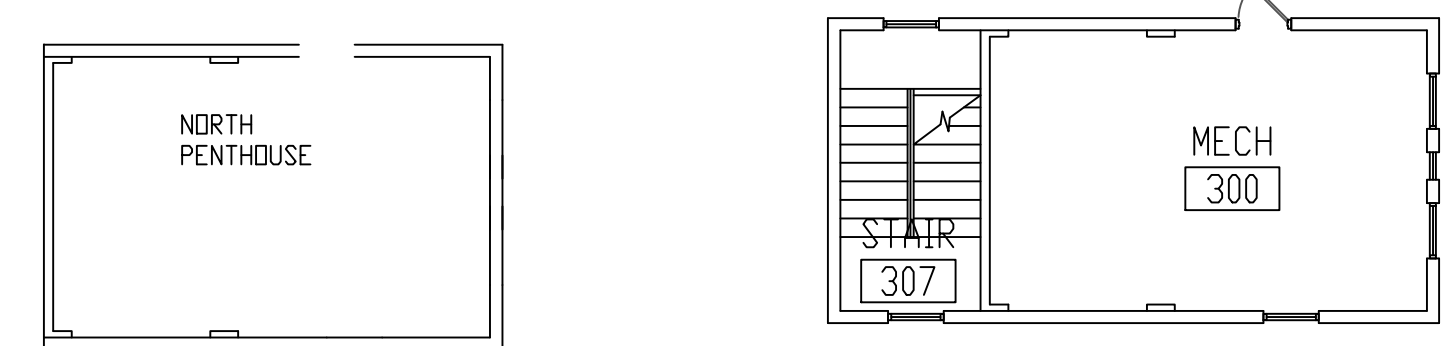


- LEGEND**
- ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
  - ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RISERS)
  - ASBESTOS-CONTAINING FIRE DOOR
  - ASBESTOS-CONTAINING WALL TILE MASTIC
  - ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET
  - ASBESTOS-CONTAINING FLOOR TILE AND MASTIC
  - 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**

<p>Revisions</p> <table border="1" style="width: 100%; height: 50px;"> <tr><td> </td><td> </td></tr> </table>			<p>ENVIRONMENTAL CONSULTANT:  <b>CASTLE HILL ASSOCIATES, LLC.</b>        218-A MECHANIC STREET,        WATERVILLE, OHIO 43566        Tel: (567) 952-0212</p>	<p><b>CASTLE HILL ASSOCIATES</b></p>	<p>Professional Seal:</p>	<p>North:</p>	<p>Drawing Title</p> <p style="text-align: center;"><b>ARCHITECTURAL PLAN        BUILDING 4        Scale: 1/8" = 1'-0"</b></p> <p>Approved: Division Chief</p> <p>Approved: Service Director</p>	<p>Project Title</p> <p style="text-align: center;"><b>FACILITY ASBESTOS RE-SURVEY        VETERANS ADMINISTRATION        MEDICAL CENTER        ST. CLOUD, MINNESOTA</b></p> <p>Building Number: <b>004</b></p> <p>Location: <b>ST. CLOUD, MINNESOTA</b></p>	<p>Date</p> <p style="text-align: center;"><b>NOVEMBER 2019</b></p> <p>Project No. <b>36C26319P1003</b></p> <p>Drawing No. <b>2A</b></p> <p style="text-align: right; font-size: small;">Sheet 14 of 71</p>		

0  
three inches = one foot  
1  
one and one-half inches = one foot  
2  
one inch = one foot  
3  
three-quarters inch = one foot  
4  
one-half inch = one foot  
5  
three-eighths inch = one foot  
6  
one-quarter inch = one foot  
7  
one-eighth inch = one foot  
8  
one-eighth inch = one foot  
9

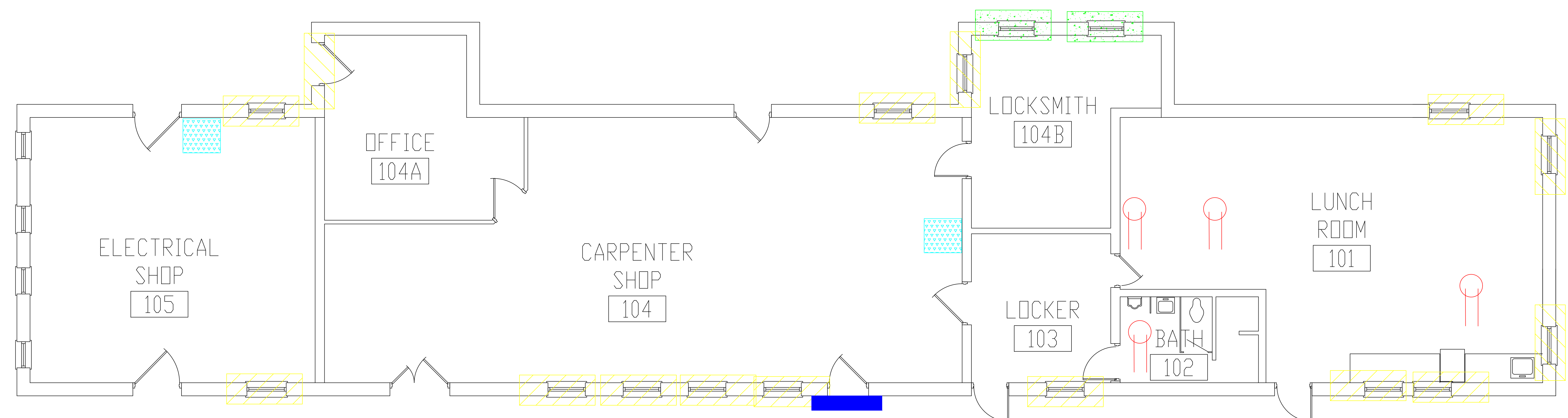


- LEGEND**
- ASBESTOS-CONTAINING FIRE DOOR
  - ASBESTOS-CONTAINING MASTIC UNDER 12" FLOOR TILE
  - ASBESTOS-CONTAINING FLOOR TILE AND MASTIC
  - ASBESTOS-CONTAINING MASTIC UNDER CARPET
  - ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET
  - ASBESTOS-CONTAINING MASTIC UNDER CARPET AND FLOOR FILLER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

**BUILDING #4 - SECOND FLOOR PLAN**

<p>Revisions</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50px; height: 20px;"> </td><td style="width: 50px; height: 20px;"> </td></tr> </table>			<p>ENVIRONMENTAL CONSULTANT: <b>CASTLE HILL ASSOCIATES, LLC.</b> 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212</p>	<p><b>CASTLE HILL ASSOCIATES</b></p>	<p>Professional Seal:</p>	<p>North:</p>	<p>Drawing Title</p> <p style="text-align: center;"><b>ARCHITECTURAL PLAN BUILDING 4 Scale: 1/8" = 1'-0"</b></p> <p>Approved: Division Chief</p> <p>Approved: Service Director</p>	<p>Project Title</p> <p style="text-align: center;"><b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b></p> <p>Building Number: <b>004</b></p> <p>Location: <b>ST. CLOUD, MINNESOTA</b></p>	<p>Date</p> <p style="text-align: center;"><b>NOVEMBER 2019</b></p> <p>Project No. <b>36C26319P1003</b></p> <p>Drawing No. <b>3A</b></p> <p style="text-align: right; font-size: small;">Sheet 15 of 71</p>		

three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

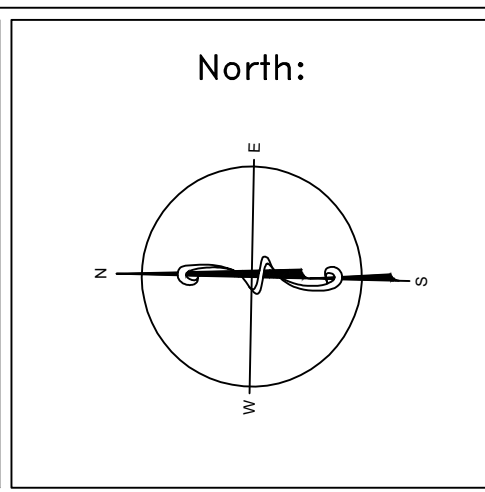


**BUILDING #6 - FIRST FLOOR PLAN**

- 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

Revisions	Dates

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



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**

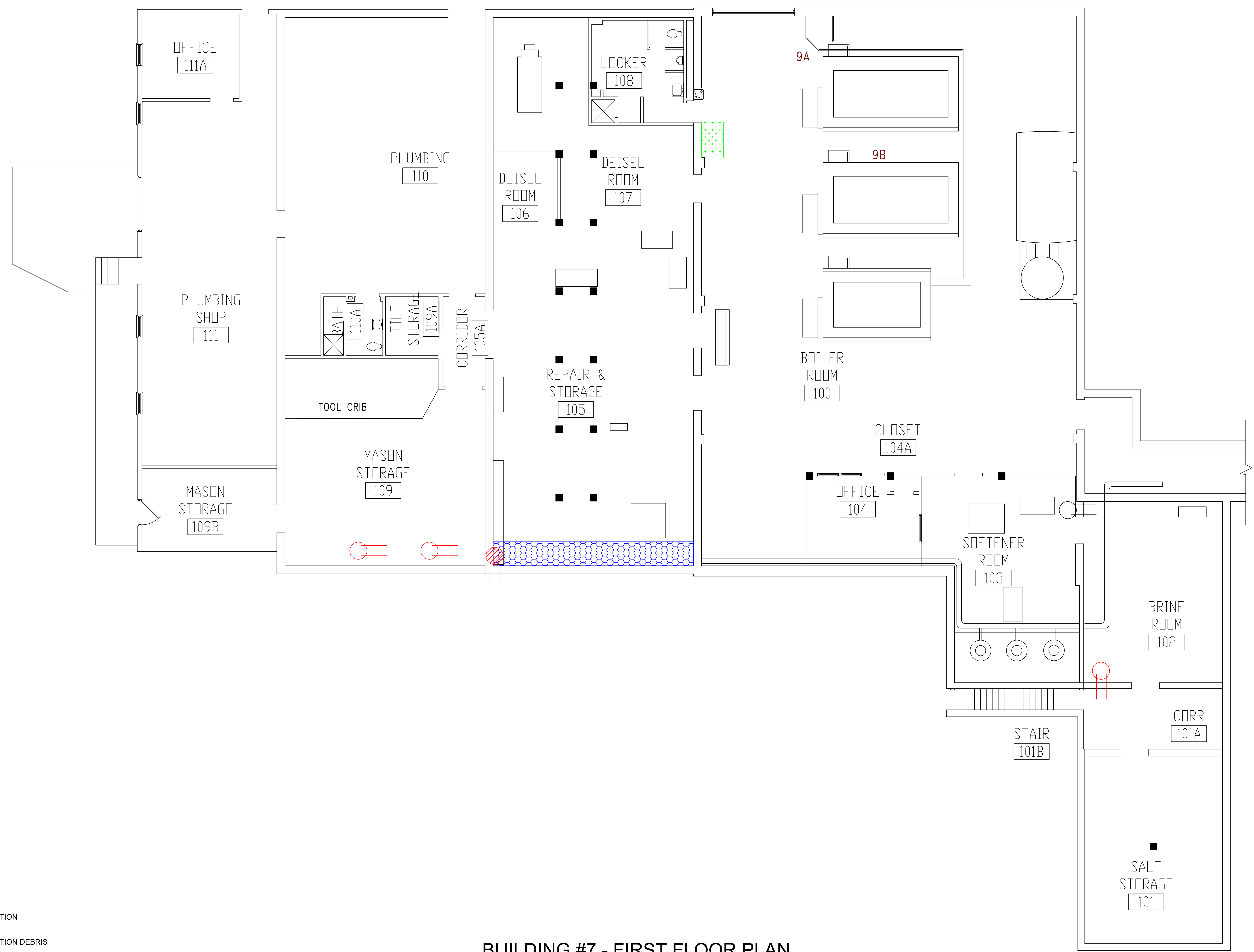
Building Number: **006**  
 Location: **ST. CLOUD, MINNESOTA**

Checked: **BLB**  
 Drawn: **AFS**

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



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

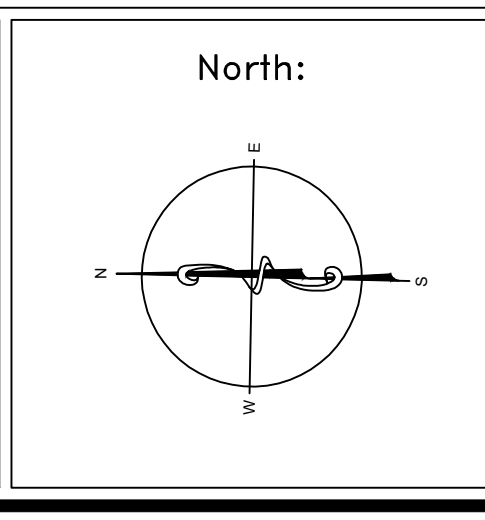


**BUILDING #7 - FIRST FLOOR PLAN**

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

Revisions	Dates

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



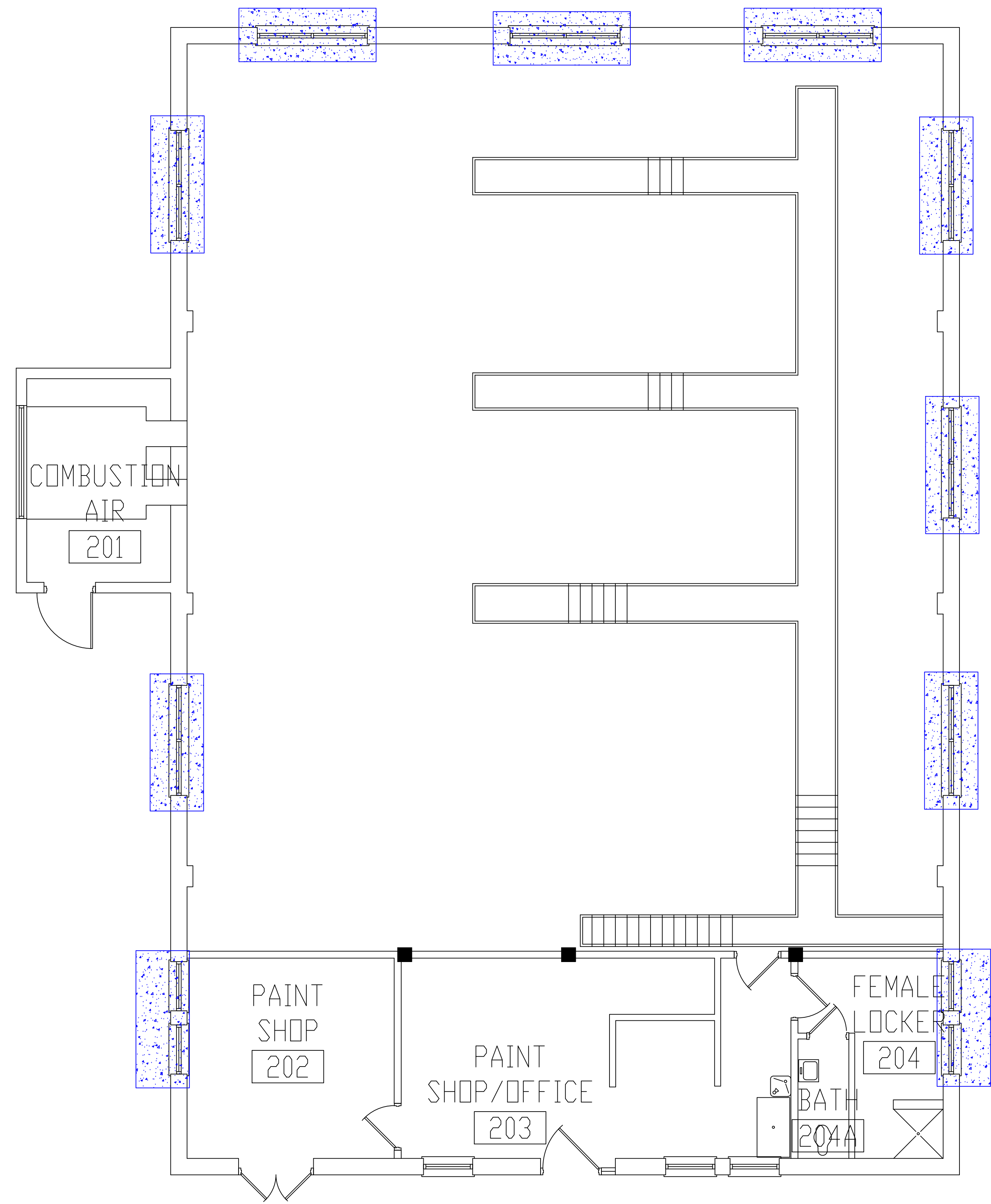
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 7 Scale: 1/4" = 1'-0"</b>
Approved : Division Chief	
Approved : Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	007	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet 17 of 21	



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

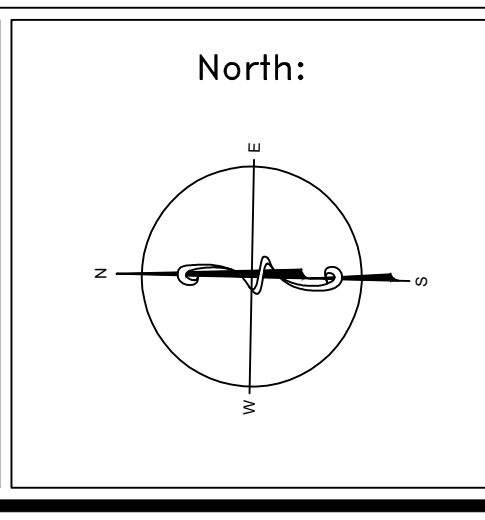


**BUILDING #7 - SECOND FLOOR PLAN**

**LEGEND**  
 -ASBESTOS-CONTAINING WINDOW GLAZING

Revisions	Dates

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



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

Approved: Division Chief  
 Approved: Service Director

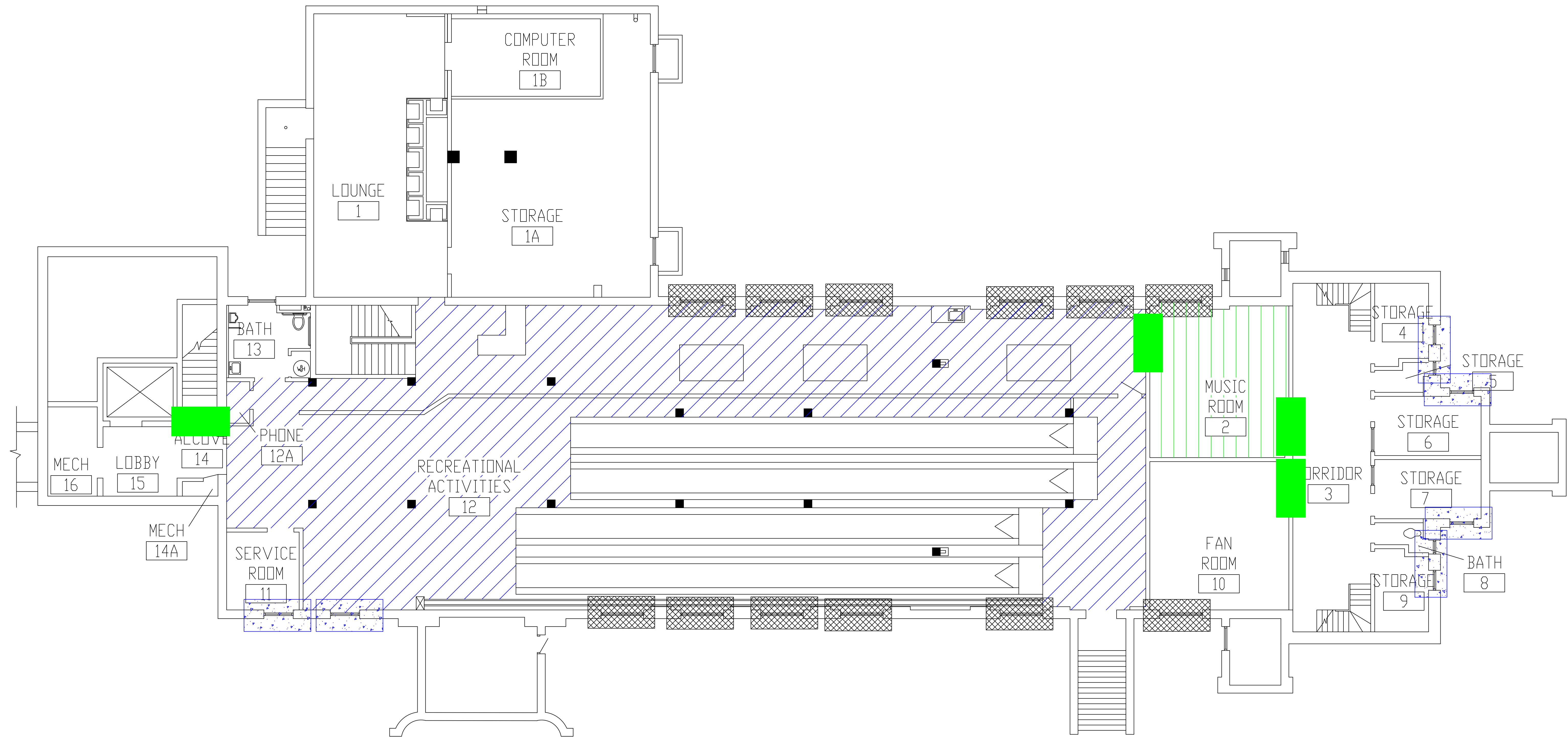
Project Title  
**FACILITY ASBESTOS RE-SURVEY  
 VETERANS ADMINISTRATION  
 MEDICAL CENTER  
 ST. CLOUD, MINNESOTA**

Building Number: **007**  
 Location: **ST. CLOUD, MINNESOTA**






Checked: **BLB**  
 Drawn: **AFS**

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



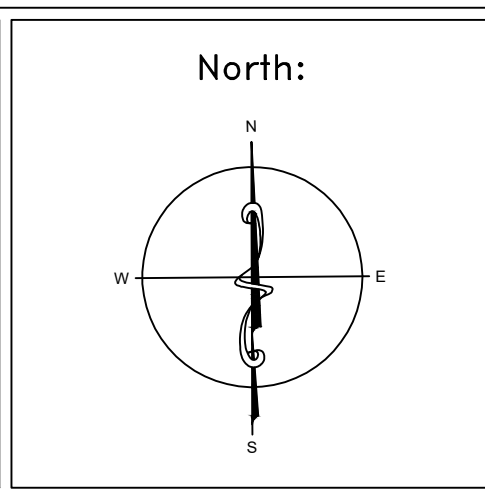


**BUILDING #8 - BASEMENT FLOOR PLAN**

- 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

Revisions	Dates

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



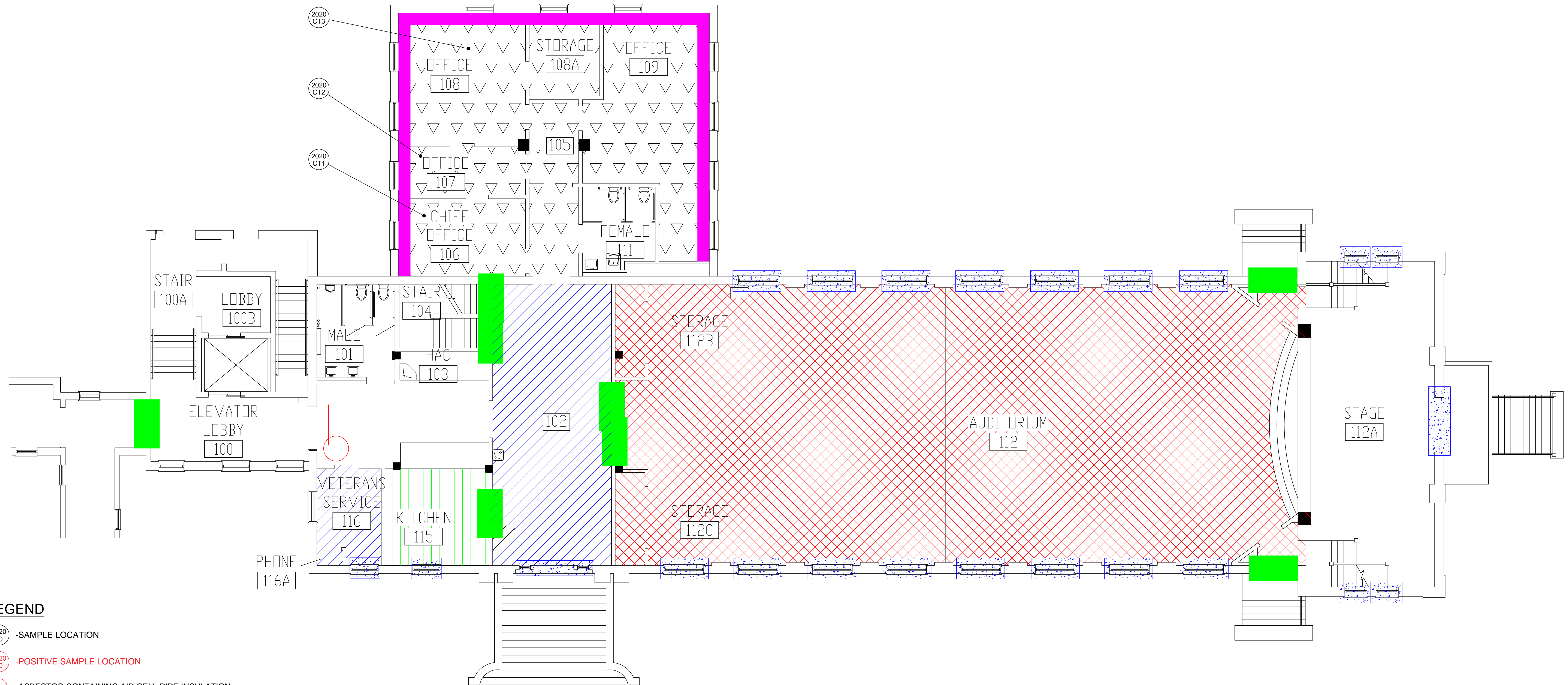
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 8 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	008	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet	19 of 71



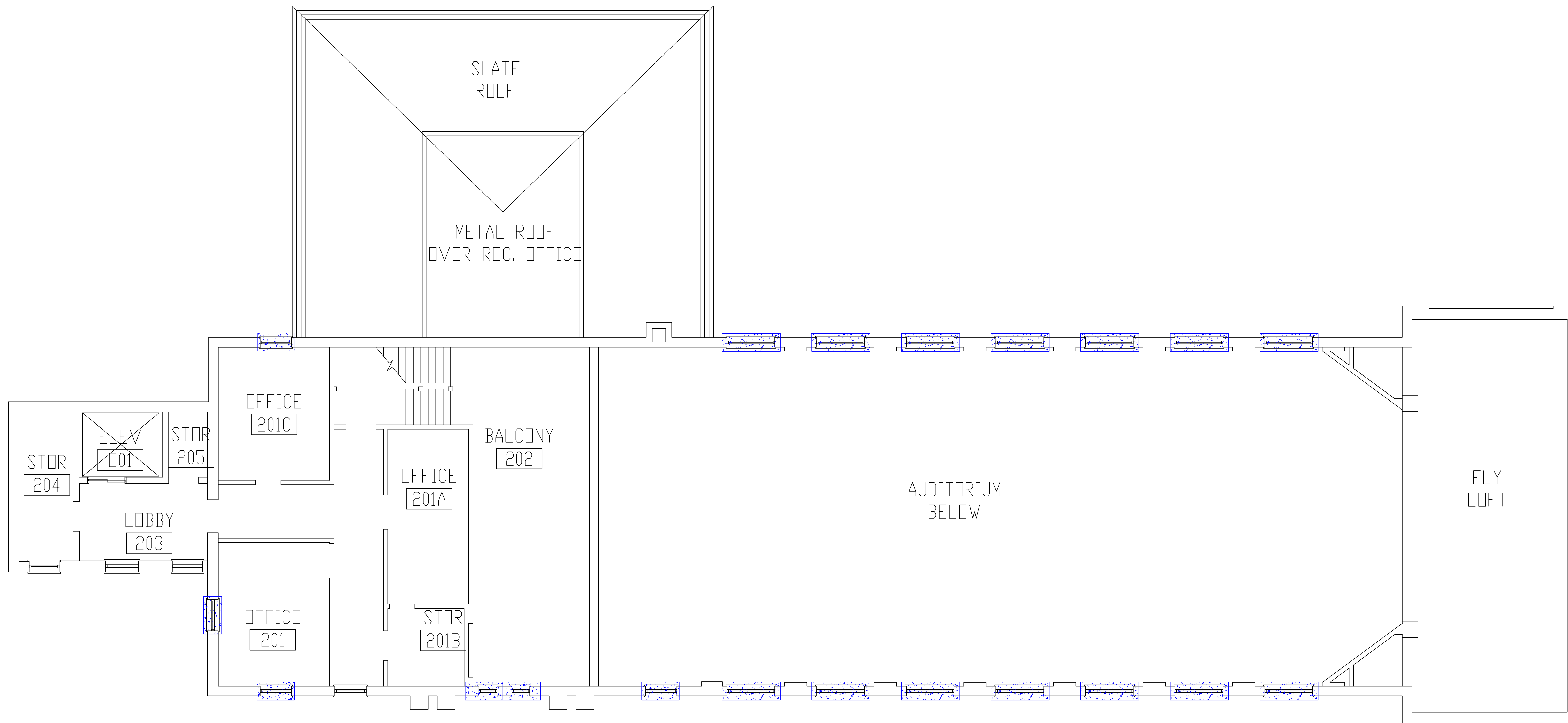
three inches = one foot  
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 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



- LEGEND**
- SAMPLE LOCATION
  - 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: <b>CASTLE HILL ASSOCIATES, LLC.</b> 218-A MECHANIC STREET, WATERVILLE, OHIO 43566 Tel: (567) 952-0212	 <b>CASTLE HILL ASSOCIATES</b>	Professional Seal: 	North: 	Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 8          Scale: 1/8" = 1'-0"</b>	Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>	Date <b>NOVEMBER 2019</b> Project No. <b>36C26319P1003</b> Drawing No. <b>2A</b> Sheet 20 of 71	 Office of Facilities	 Department of Veterans Affairs
Approved: Division Chief  Approved: Service Director		Building Number <b>008</b>		Checked <b>BLB</b>		Drawn <b>AFS</b>		Location <b>ST. CLOUD, MINNESOTA</b>	



**BUILDING #8 - SECOND FLOOR PLAN**

**LEGEND**

 -ASBESTOS-CONTAINING WINDOW CAULK AND GLAZING

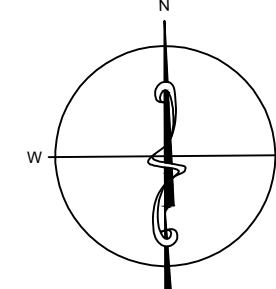
ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
 218-A MECHANIC STREET,  
 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



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**

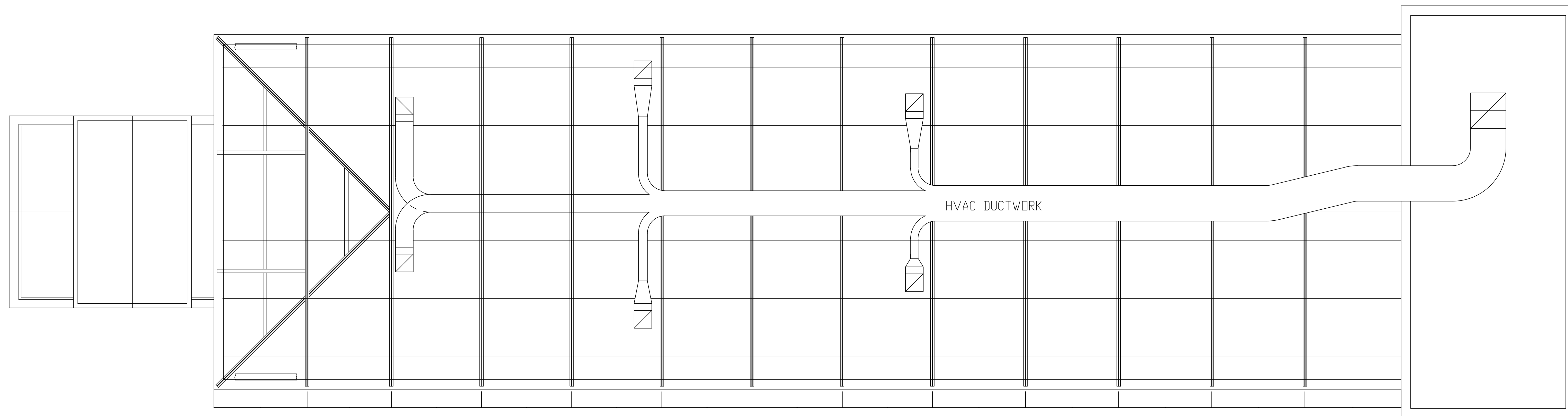
Drawing No.

**3A**

Sheet 21 of 71







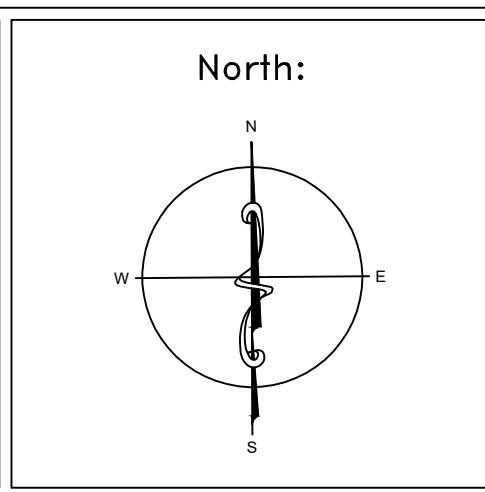
**BUILDING #8 - ATTIC FLOOR PLAN**

**NO ACM**

Scale indicators for different drawing elements:  
 three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

Revisions	Dates

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



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**

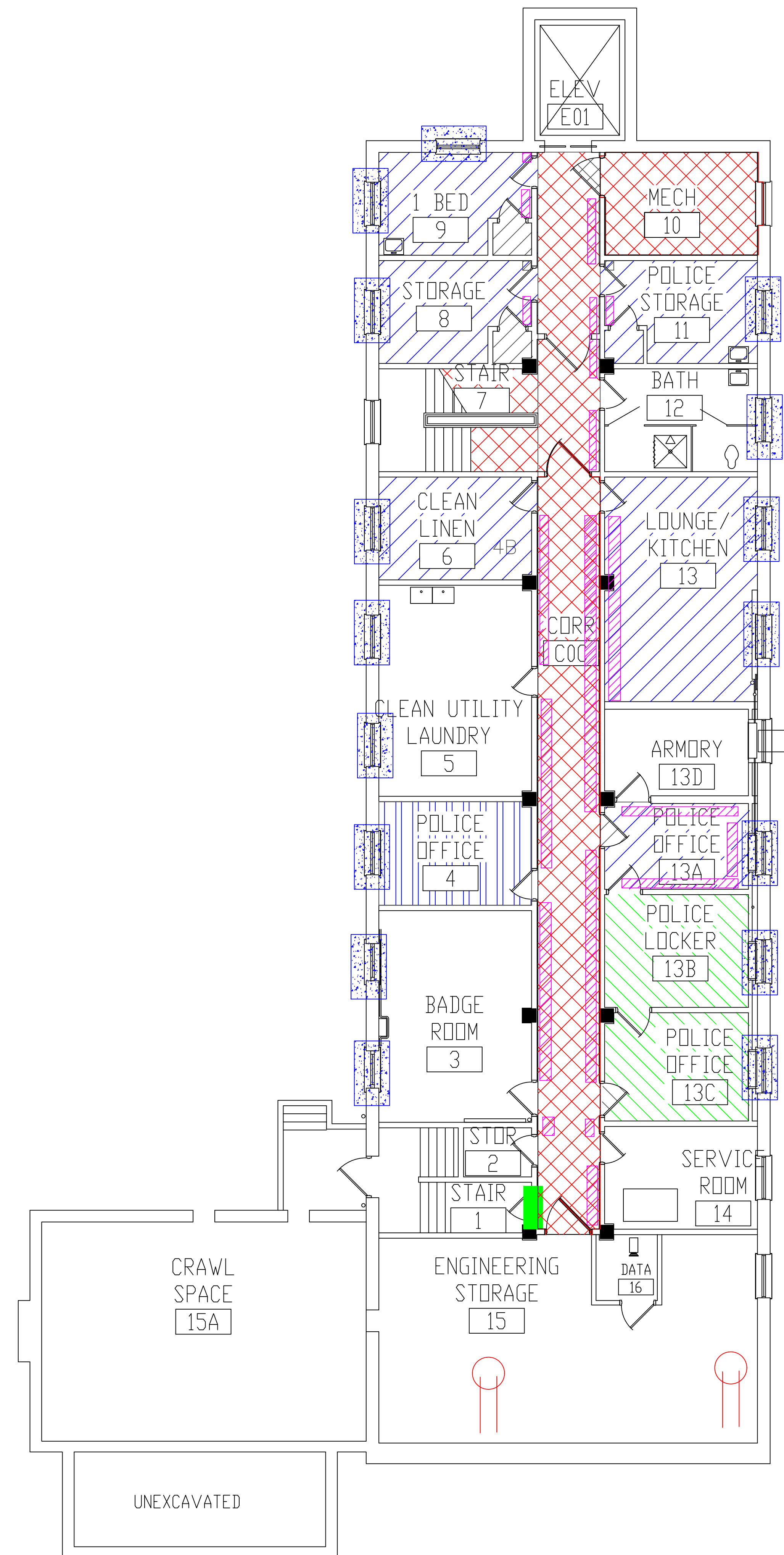
Project No.  
**36C26319P1003**

Drawing No.  
**4A**

Sheet 22 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

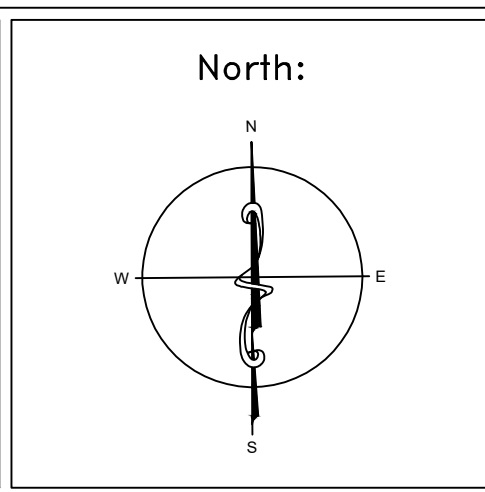


**BUILDING #9 - BASEMENT FLOOR PLAN**

- 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

Revisions	Dates

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



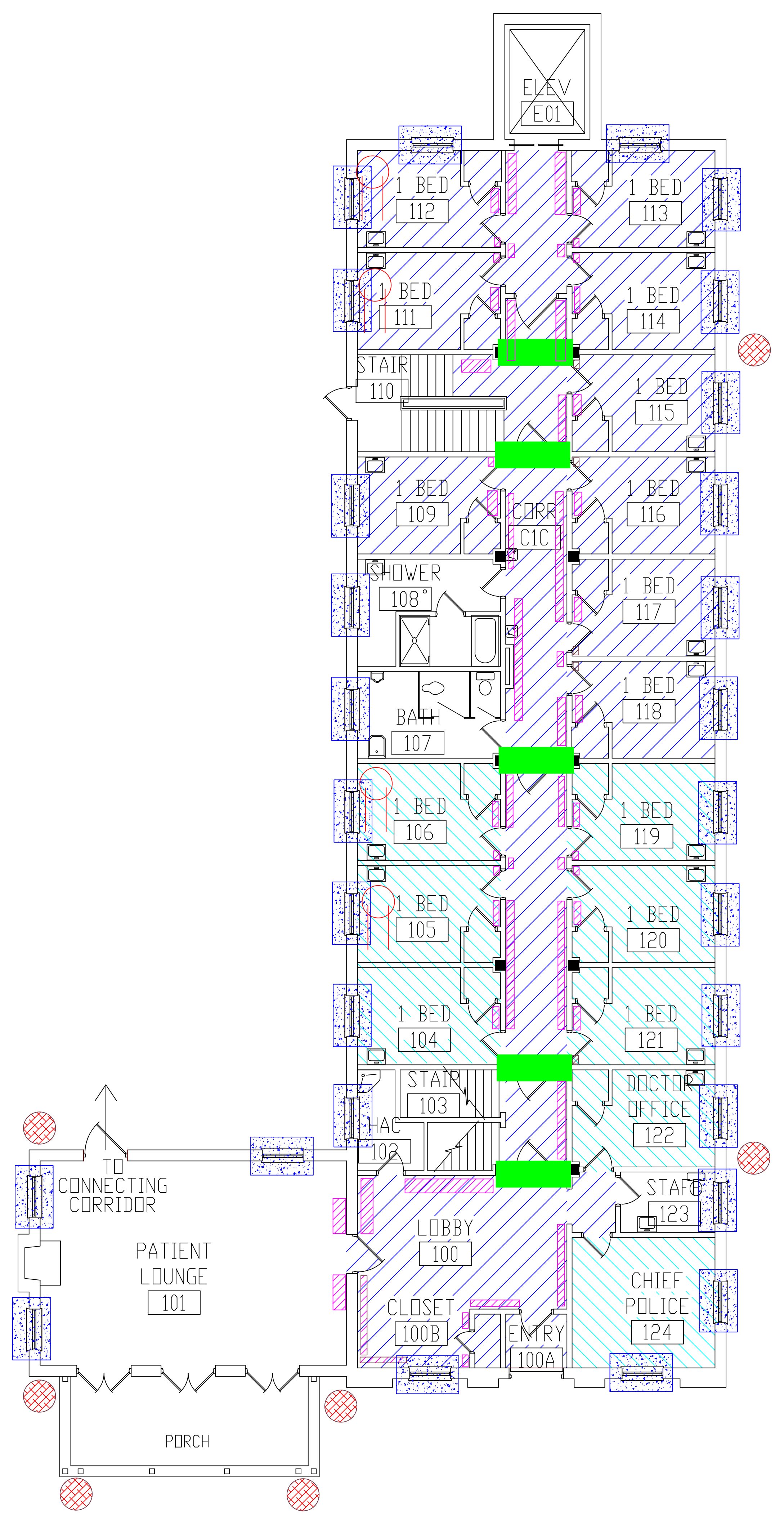
Drawing Title	ARCHITECTURAL PLAN BUILDING 9 Scale: 1/8" = 1'-0"
Approved: Division Chief	
Approved: Service Director	

Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	009	Checked	BLB
Location	ST. CLOUD, MINNESOTA		








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



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

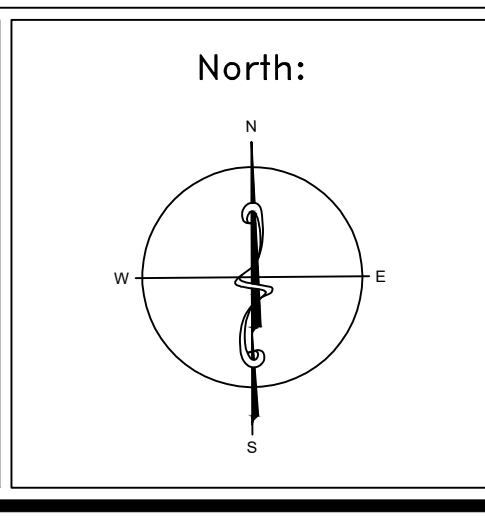


**BUILDING #9 - FIRST FLOOR PLAN**

- 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

Revisions	Dates

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



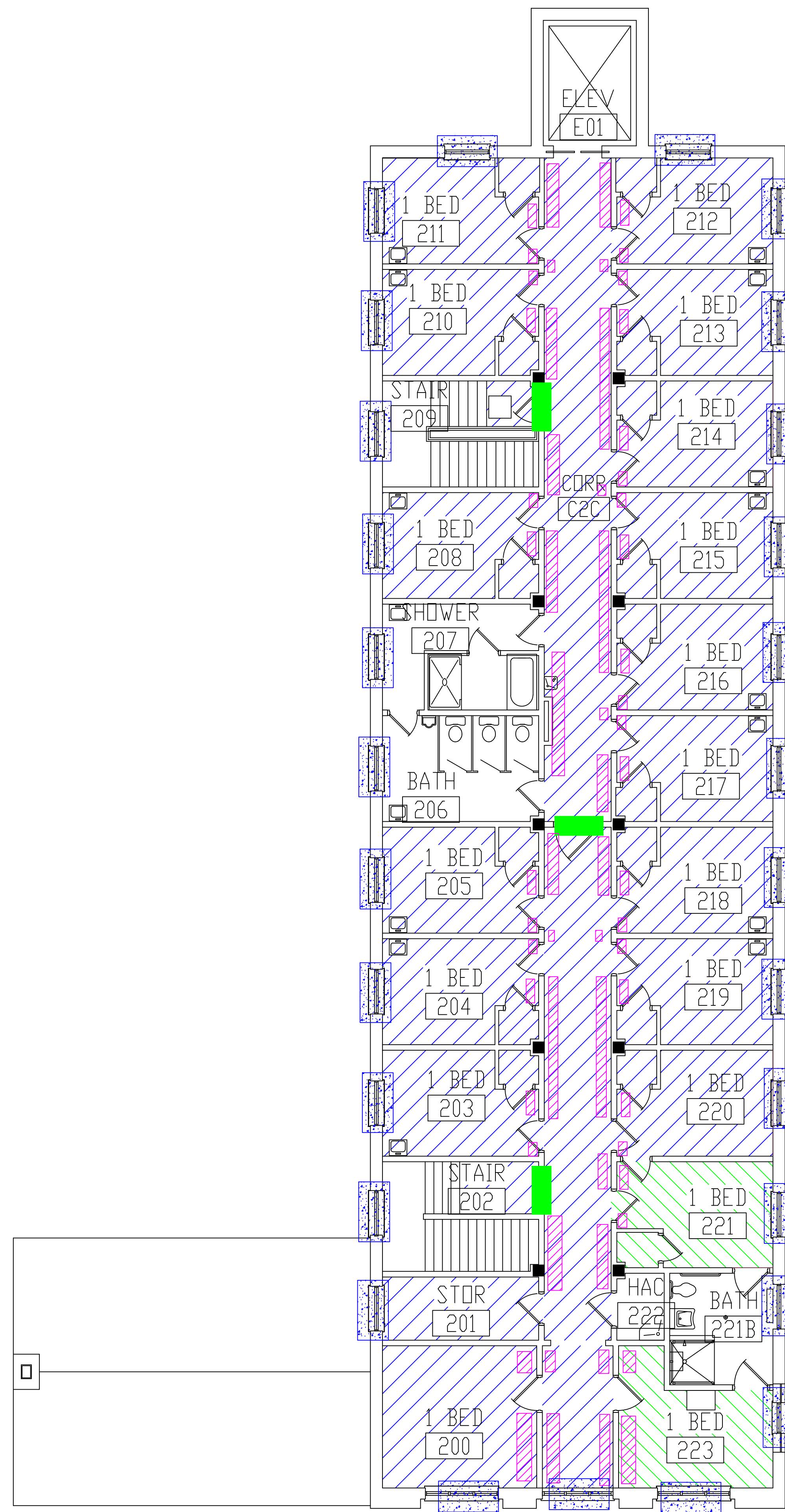
Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 9          Scale: 1/8" = 1'-0"</b>
Approved : Division Chief Approved : Service Director

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>009</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		


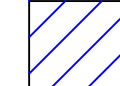

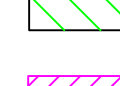
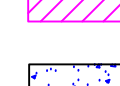
Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>2A</b>
Sheet 24 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

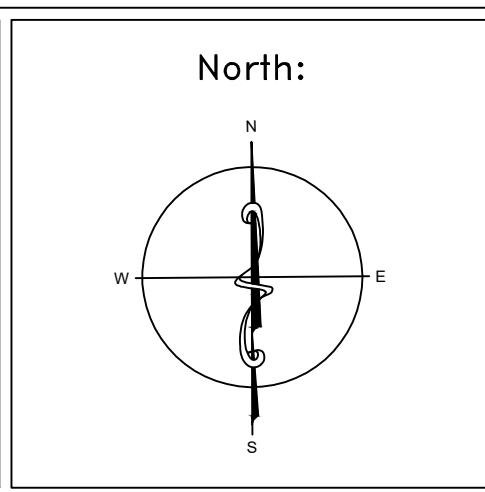


**BUILDING #9 - SECOND FLOOR PLAN**

- 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

Revisions	Dates

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



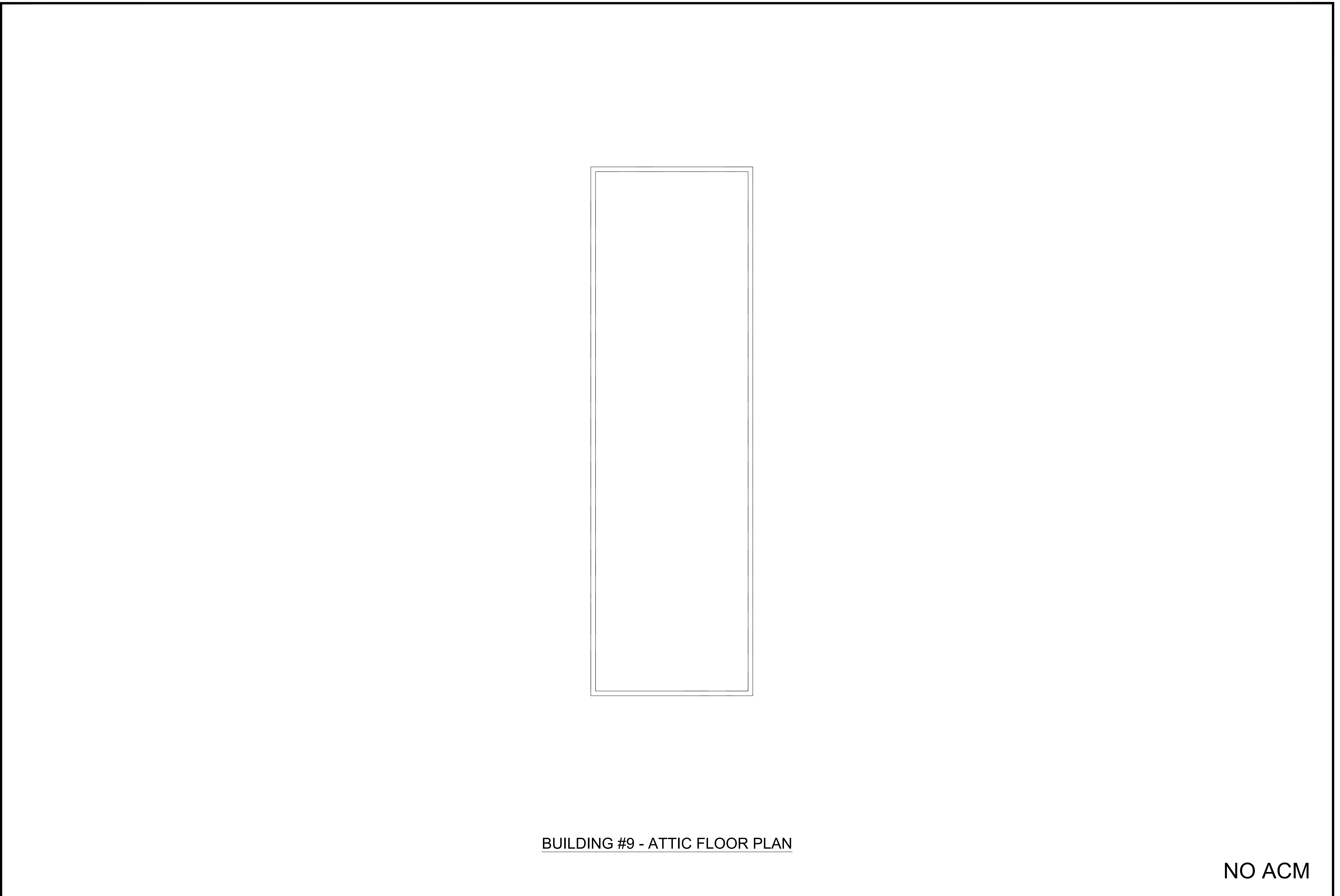
Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 9          Scale: 1/8" = 1'-0"</b>
Approved : Division Chief
Approved : Service Director

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>009</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>3A</b>
Sheet 25 of 71



A  
 three inches = one foot  
 B  
 one and one-half inches = one foot  
 C  
 one inch = one foot  
 D  
 three-quarters inch = one foot  
 E  
 one-half inch = one foot  
 F  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

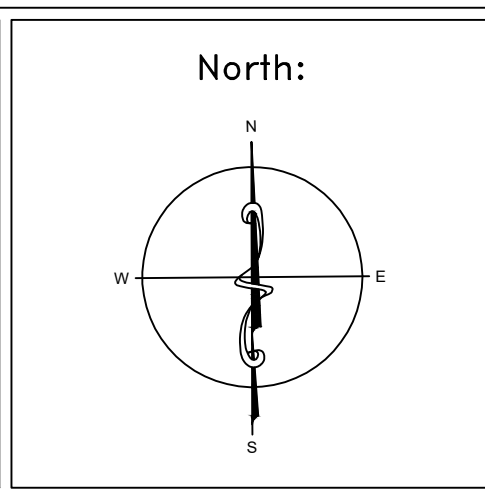


**BUILDING #9 - ATTIC FLOOR PLAN**

**NO ACM**

Revisions	Dates

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

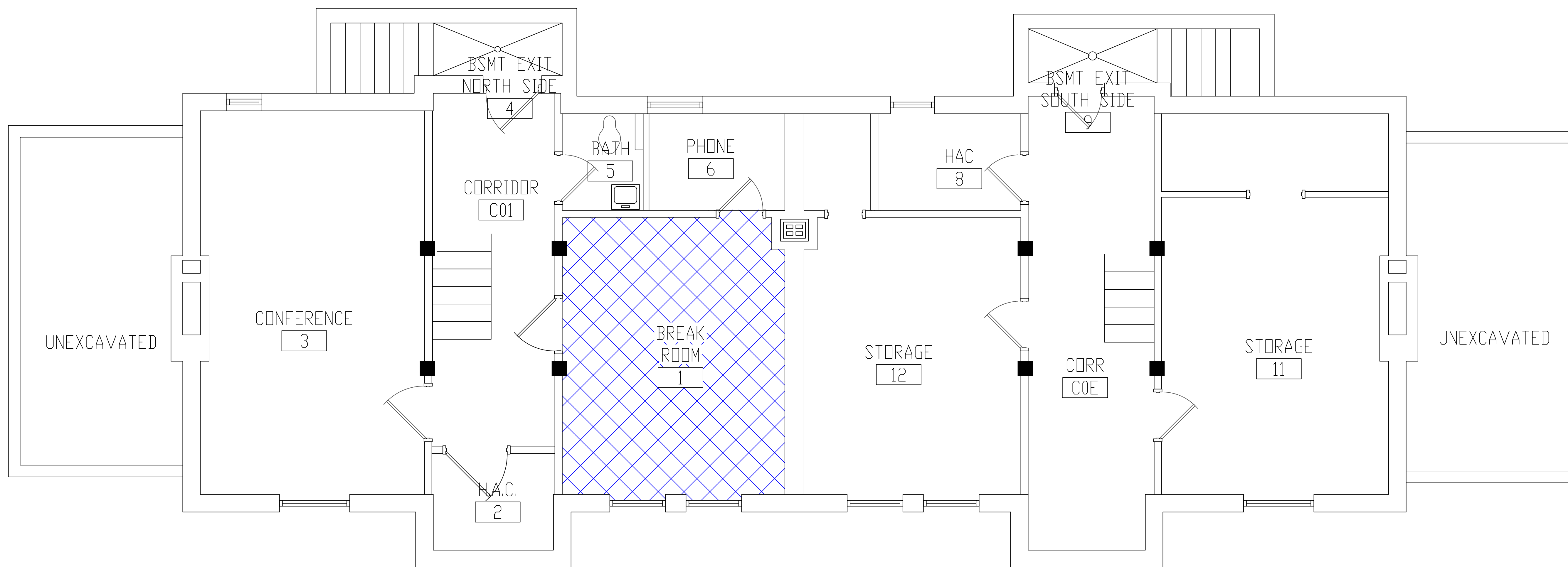


Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 9          Scale: 1/8" = 1'-0"</b>
Approved : Division Chief
Approved : Service Director


Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>009</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>4A</b>
Sheet 26 of 71



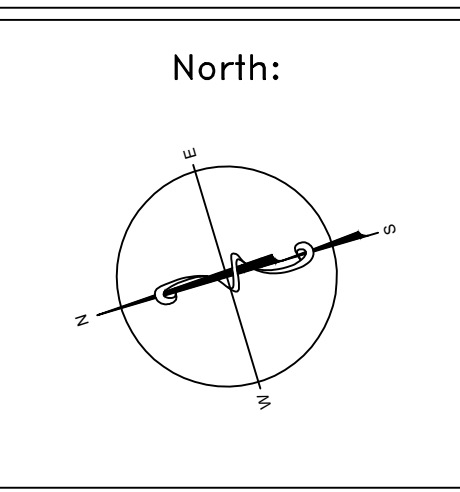


**BUILDING #10 - BASEMENT FLOOR PLAN**

**LEGEND**  
 -ASBESTOS-CONTAINING FLOOR TILE AND MASTIC

Revisions	Dates

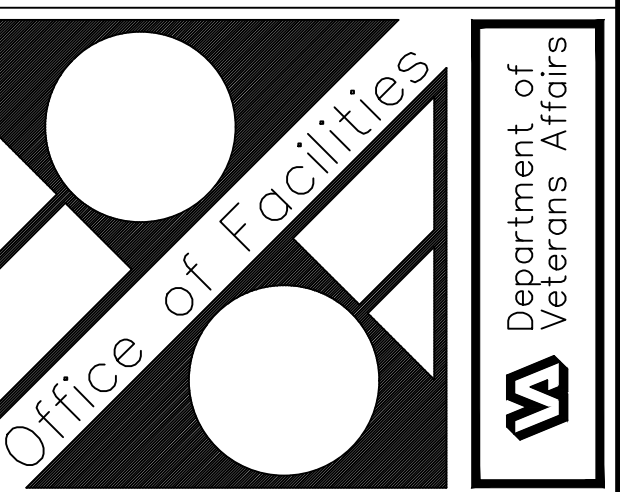
ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
 218-A MECHANIC STREET,  
 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212

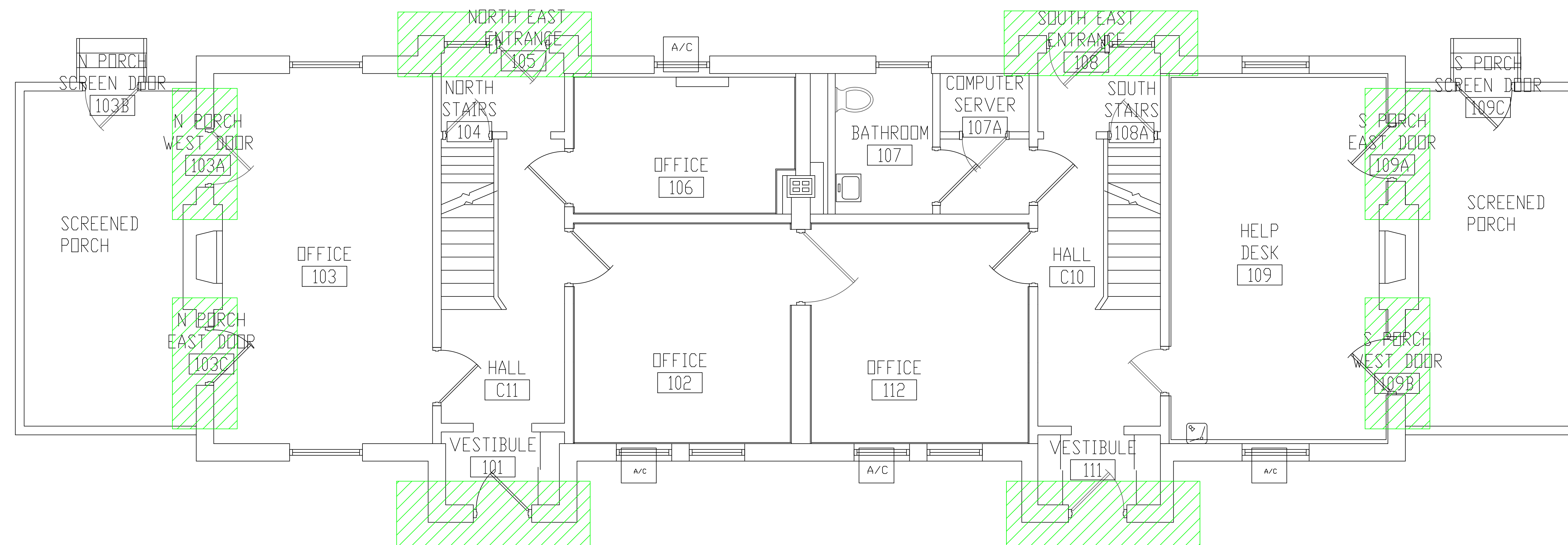


Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 10 Scale: 1/4" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	010	Checked	BLB
Drawn	AFS		
Location	<b>ST. CLOUD, MINNESOTA</b>		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet	27 of 71



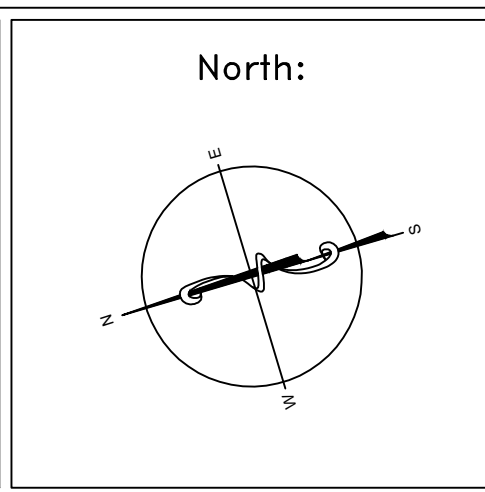


**BUILDING #10 - FIRST FLOOR PLAN**

**LEGEND**  
 -ASBESTOS-CONTAINING DOOR CAULK

Revisions	Dates

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

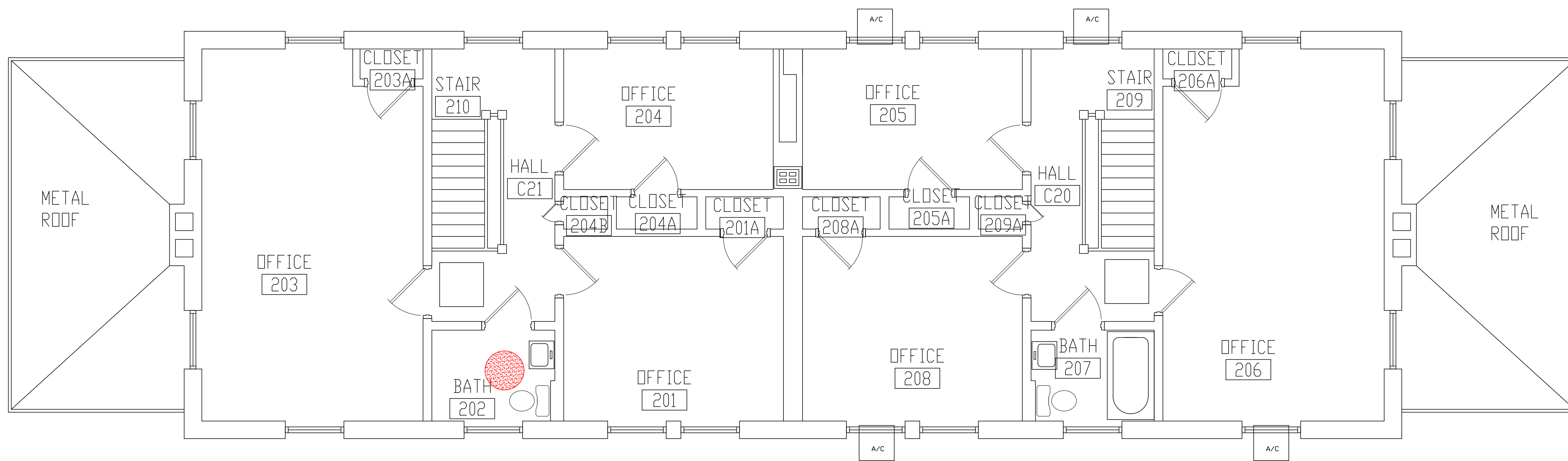


Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 10 Scale: 1/4" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	010	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>2A</b>
Sheet	28 of 71



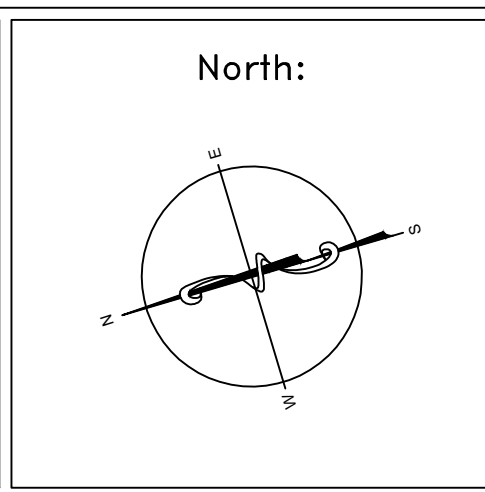


**BUILDING #10 - SECOND FLOOR PLAN**

**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



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**

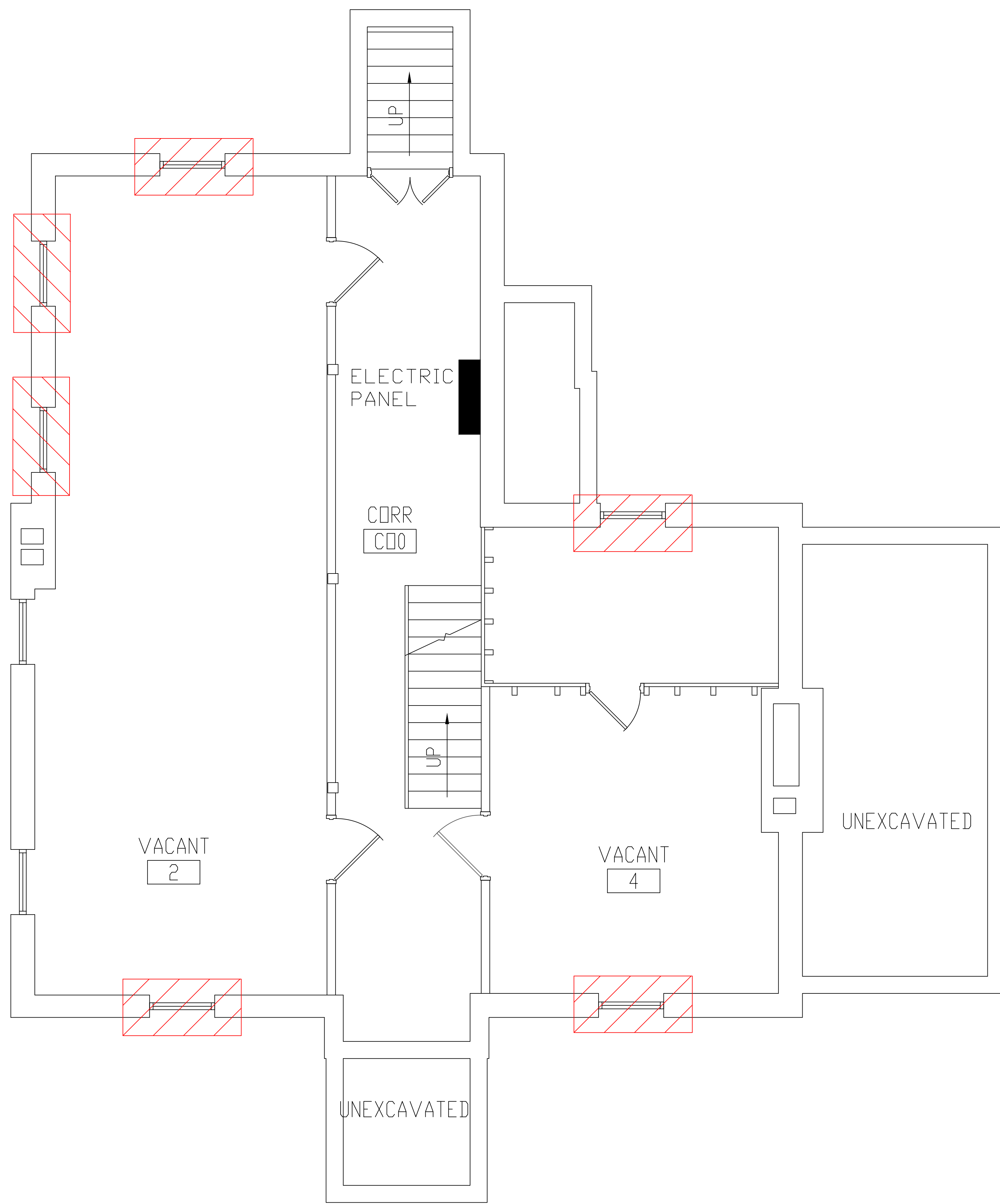
Project No.  
**36C26319P1003**

Drawing No.  
**3A**

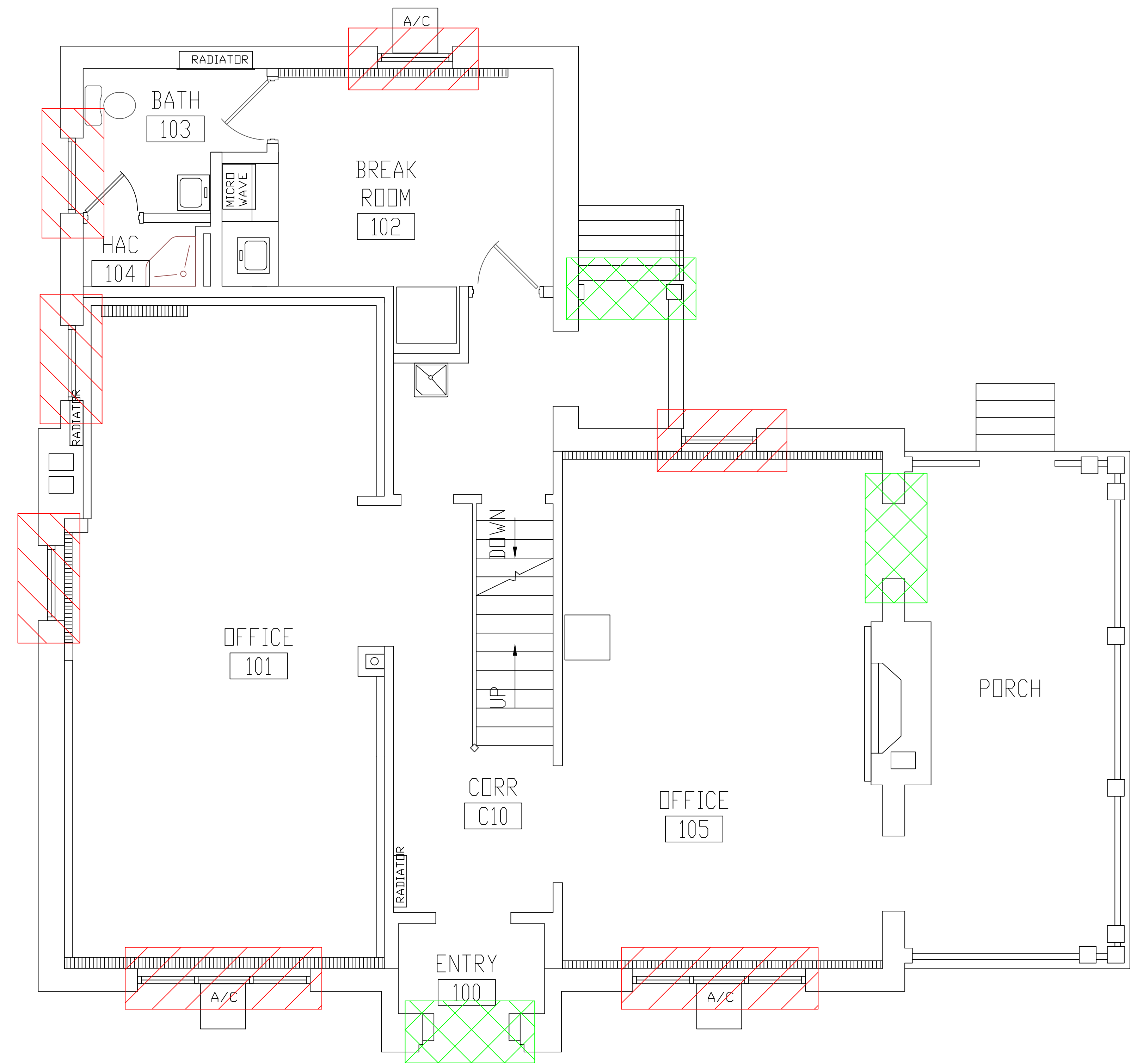
Sheet 29 of 71







**BUILDING #11 - BASEMENT FLOOR PLAN**



**BUILDING #11 - FIRST FLOOR PLAN**

**LEGEND**

- ASBESTOS-CONTAINING WINDOW GLAZING
- ASBESTOS-CONTAINING DOOR CAULK

Revisions	Dates

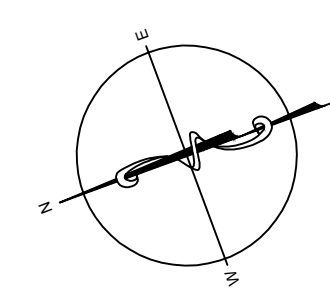
ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
 218-A MECHANIC STREET,  
 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



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**

Location

**ST. CLOUD, MINNESOTA**

Checked

**BLB**

Drawn

**AFS**

Date

**NOVEMBER 2019**

Project No.  
**36C26319P1003**

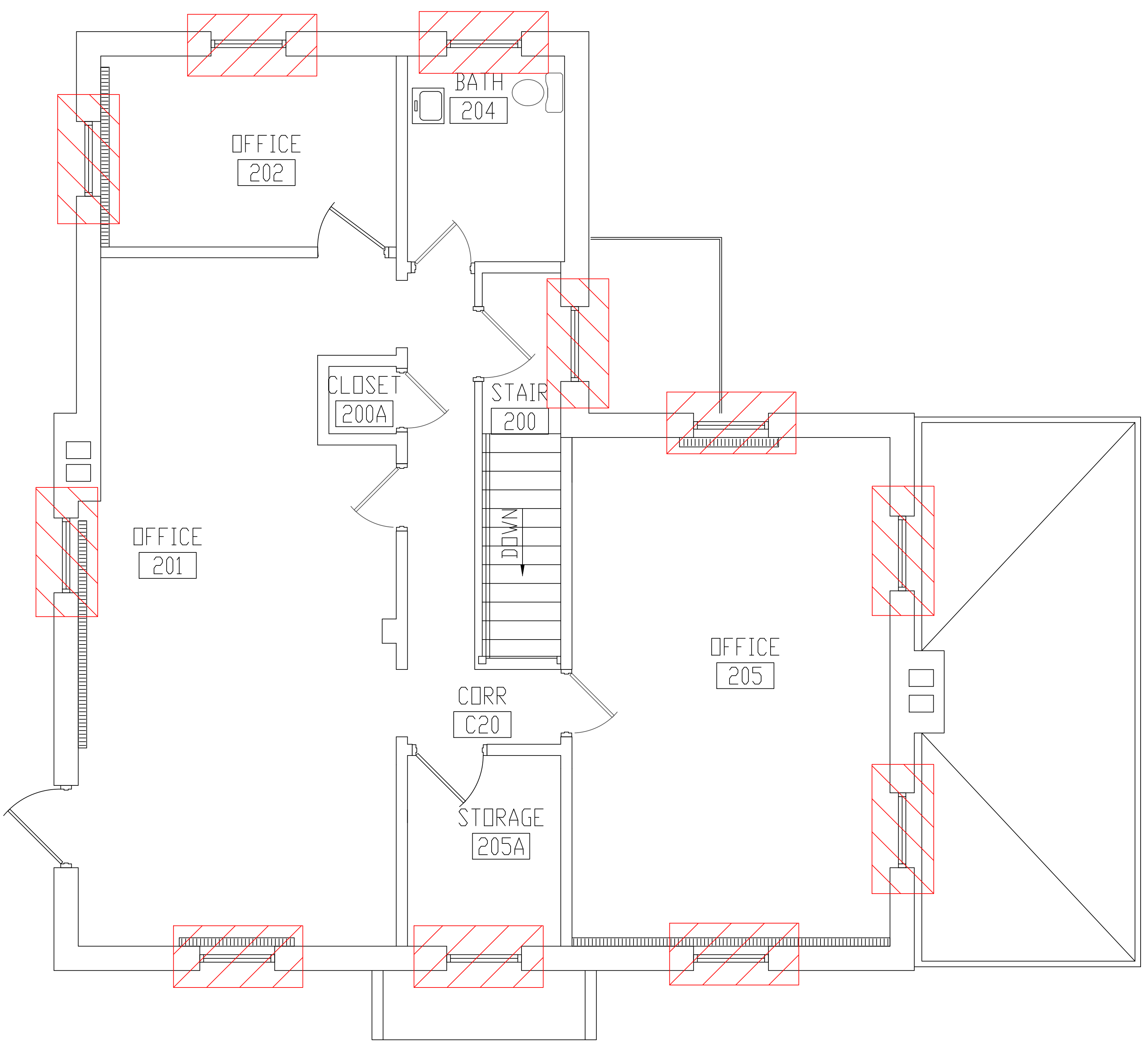
Drawing No.

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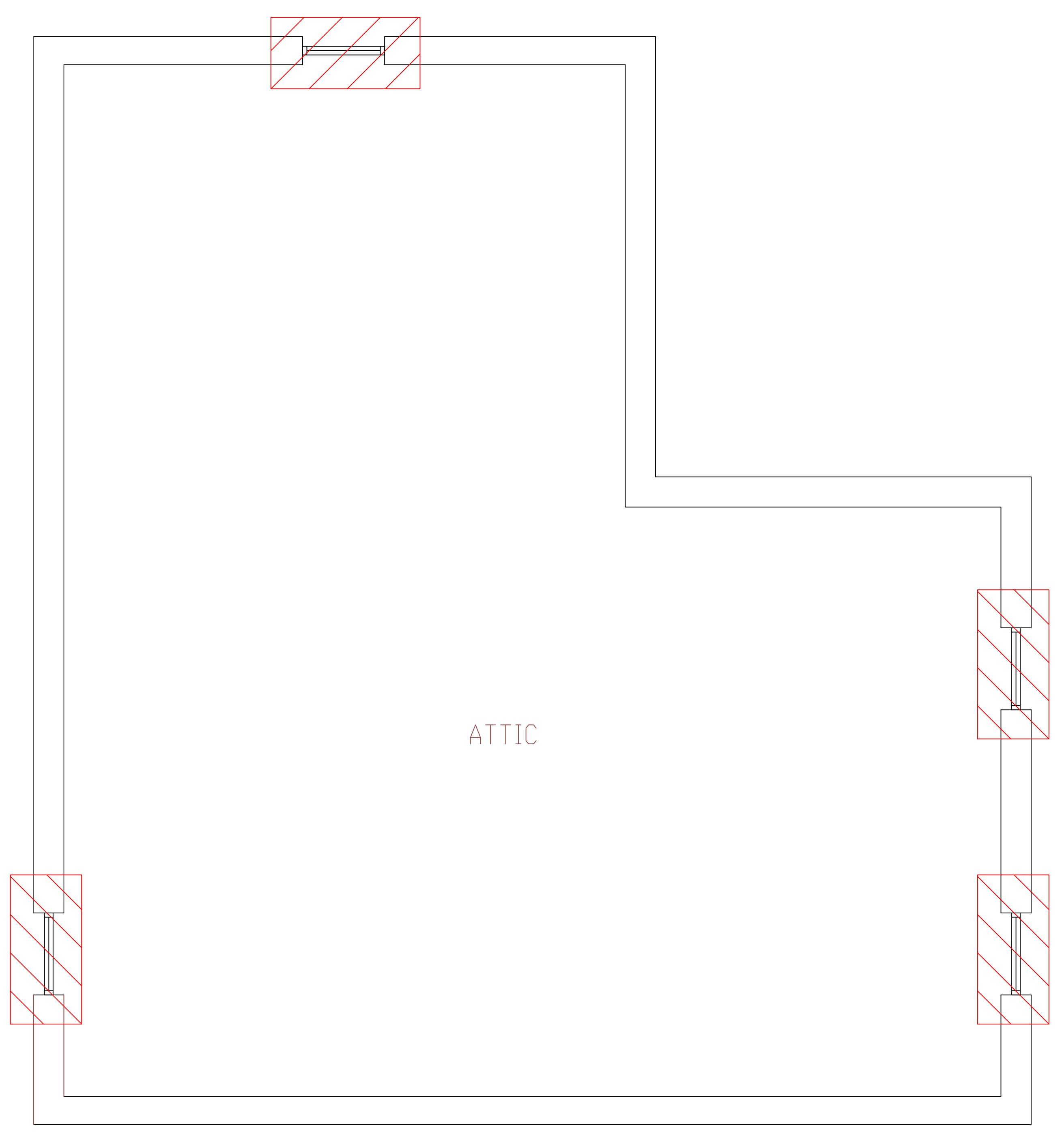
Sheet 30 of 71



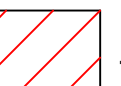
three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



**BUILDING #11 - SECOND FLOOR PLAN**

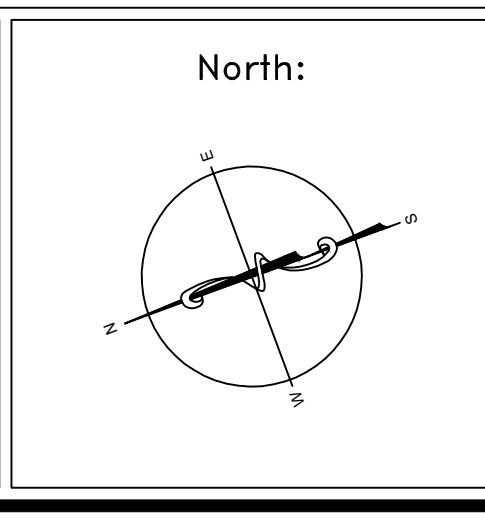


**BUILDING #11 - ATTIC FLOOR PLAN**

**LEGEND**  
 -ASBESTOS-CONTAINING WINDOW GLAZING

Revisions	Dates

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



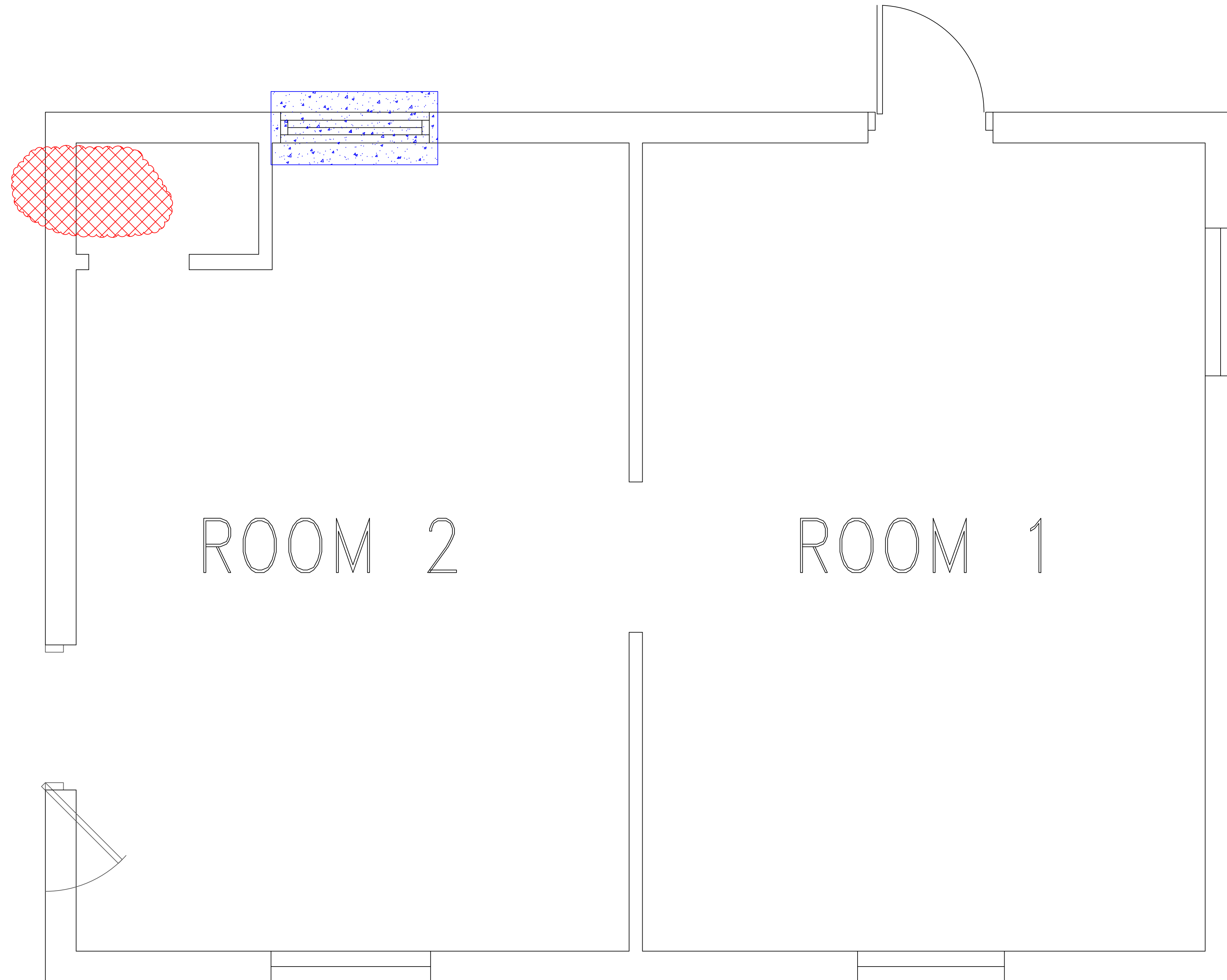
Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 11          Scale: 1/4" = 1'-0"</b>
Approved: Division Chief Approved: Service Director

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>011</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>2A</b>
Sheet 31 of 71

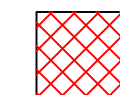
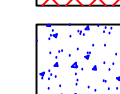


three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



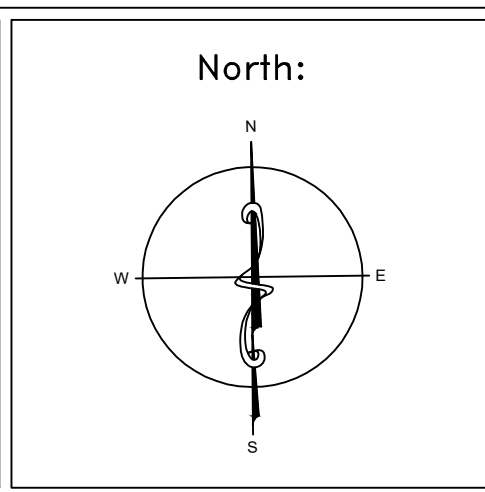
**BUILDING #13 - FIRST FLOOR PLAN**

**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

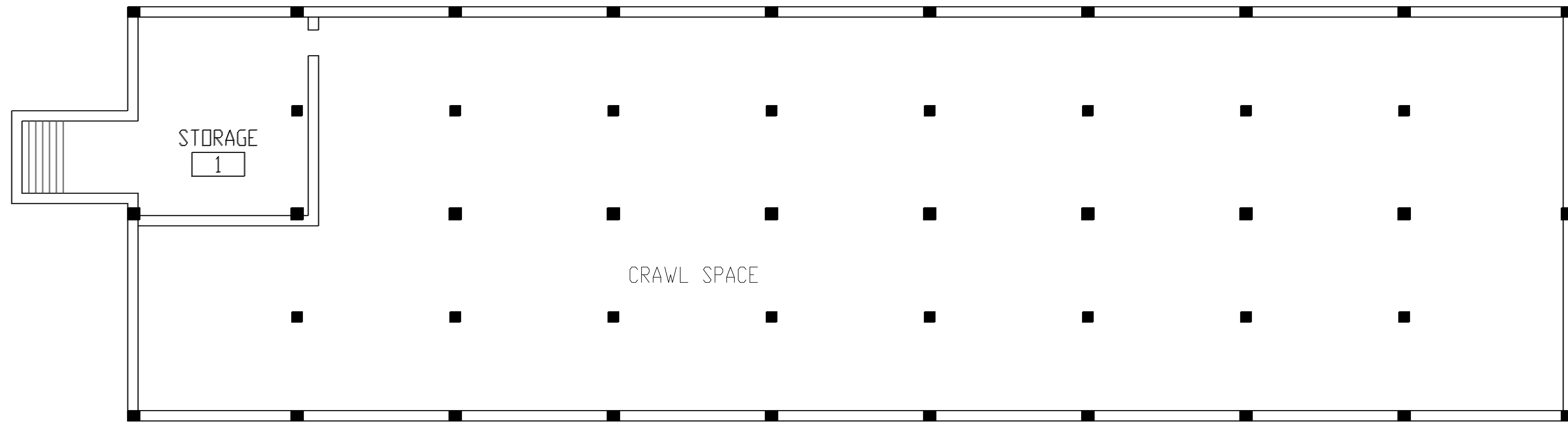


Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 13 Scale: 1/2" = 1'-0"</b>
Approved : Division Chief	
Approved : Service Director	

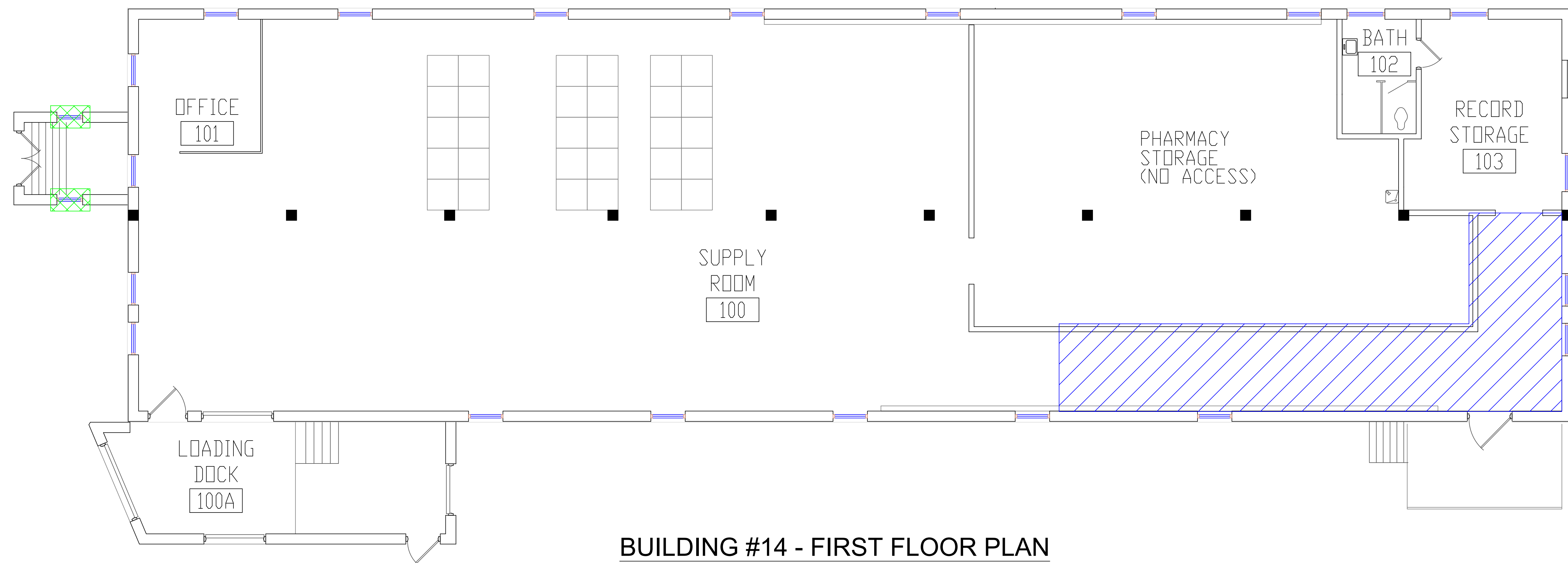
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Building Number	013	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	1A
Sheet	32 of 71

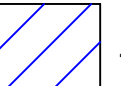





**BUILDING #14 - BASEMENT FLOOR PLAN**

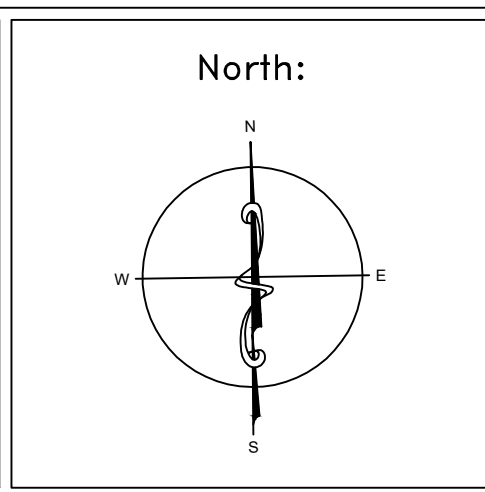


**BUILDING #14 - FIRST FLOOR PLAN**

- 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



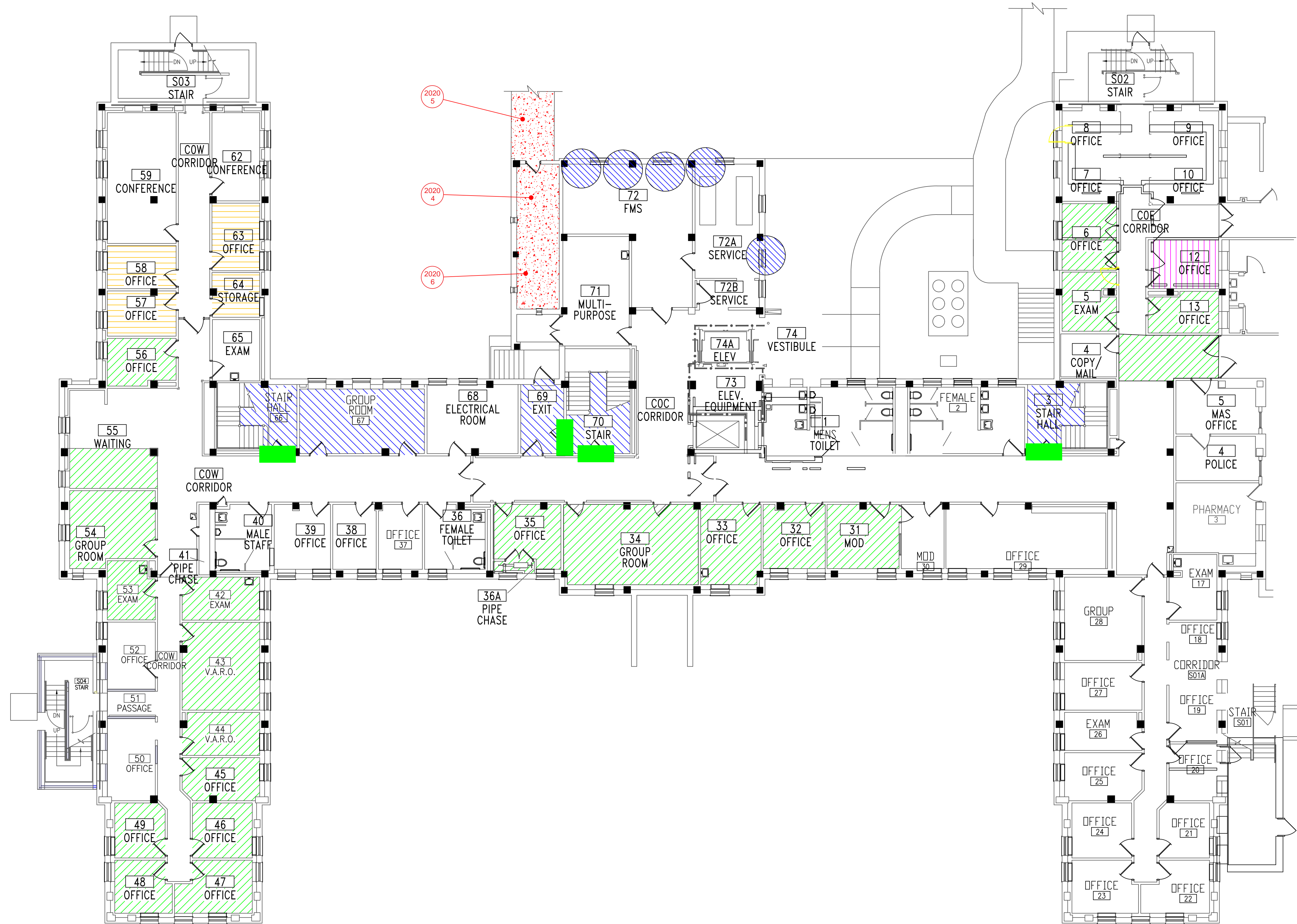
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 14 Scale: 1/4" = 1'-0"</b>
Approved : Division Chief	
Approved : Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	014	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet	33 of 71



three eighths inch = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

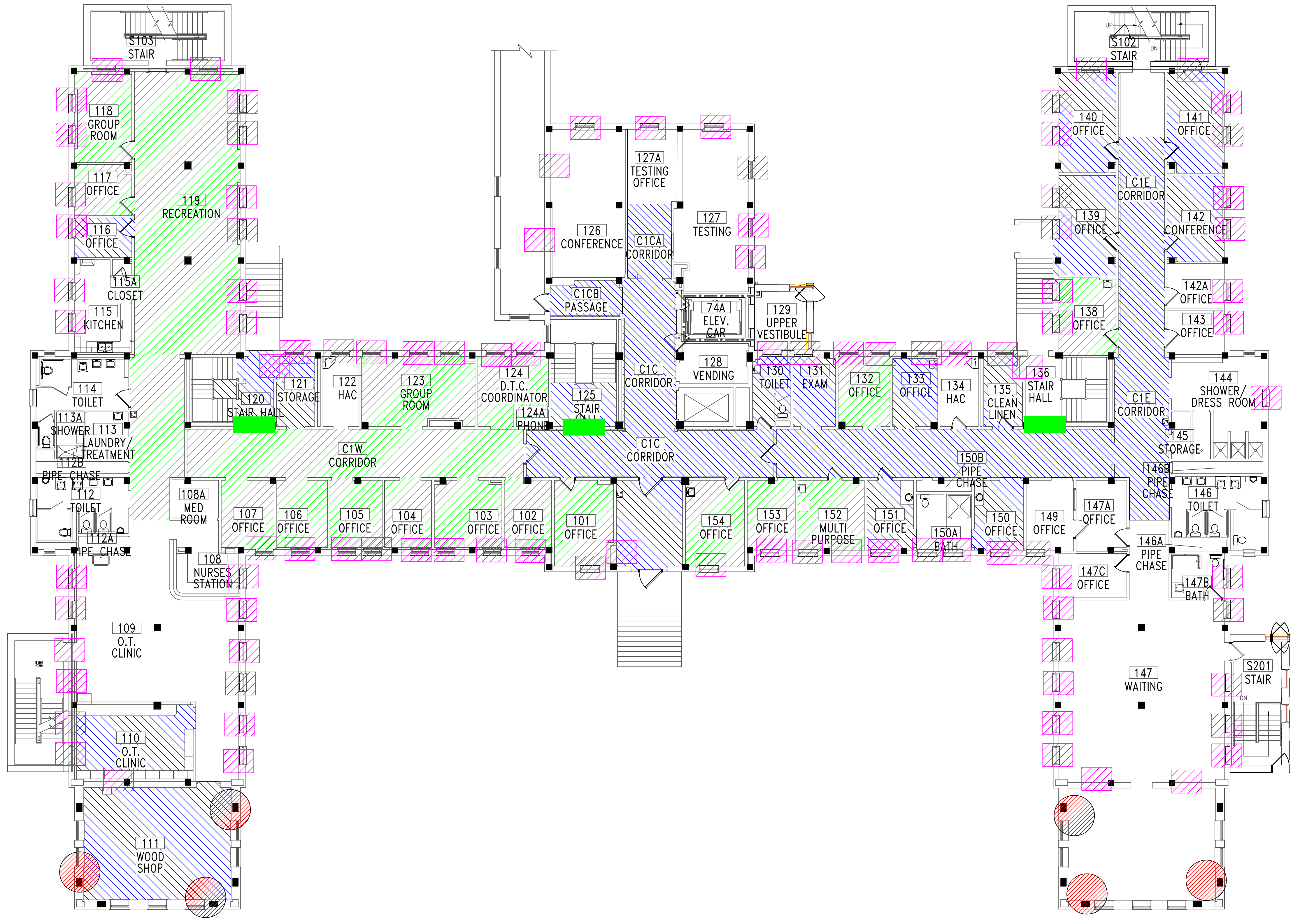


- LEGEND**
- SAMPLE LOCATION
  - POSITIVE SAMPLE LOCATION
  - ASBESTOS-CONTAINING PIPE INSULATION IN CEILING PENETRATIONS
  - ASBESTOS-CONTAINING FIRE DOOR
  - ASBESTOS-CONTAINING DEBRIS IN DIRT CRAWLSPACE
  - ASBESTOS-CONTAINING MASTIC UNDER 12"x12" FLOOR TILE
  - ASBESTOS-CONTAINING MASTIC UNDER CARPET AND FLOOR TILE
  - ASBESTOS-CONTAINING MASTIC UNDER FLOOR FILLER AND CARPET
  - ASBESTOS-CONTAINING FLOOR TILE AND MASTIC UNDER CARPET

**BUILDING #28 - BASEMENT FLOOR PLAN**

<p>Revisions</p> <p>Dates</p>	<p>ENVIRONMENTAL CONSULTANT:  <b>CASTLE HILL ASSOCIATES, LLC.</b>          219-A MECHANIC STREET,          WATERVILLE, OHIO 43566          Tel: (567) 952-0212</p>	 <p><b>CASTLE HILL</b> ASSOCIATES</p>	<p>Professional Seal:</p> 	<p>North:</p> 	<p>Drawing Title</p> <p style="text-align: center;"><b>ARCHITECTURAL PLAN          BUILDING 28          Scale: 1/8" = 1'-0"</b></p> <p>Approved: Division Chief</p> <p>Approved: Service Director</p>	<p>Project Title</p> <p style="text-align: center;"><b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b></p> <p>Building Number: <b>028</b></p> <p>Location: <b>ST. CLOUD, MINNESOTA</b></p>	<p>Date</p> <p style="text-align: center;"><b>NOVEMBER 2019</b></p> <p>Project No. <b>36C26319P1003</b></p> <p>Drawing No. <b>1A</b></p> <p style="text-align: right;">Sheet 34 of 71</p>		
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three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot  
 three-eighths inch = one foot  
 one-half inch = one foot  
 one and one-half inches = one foot  
 three inches = one foot

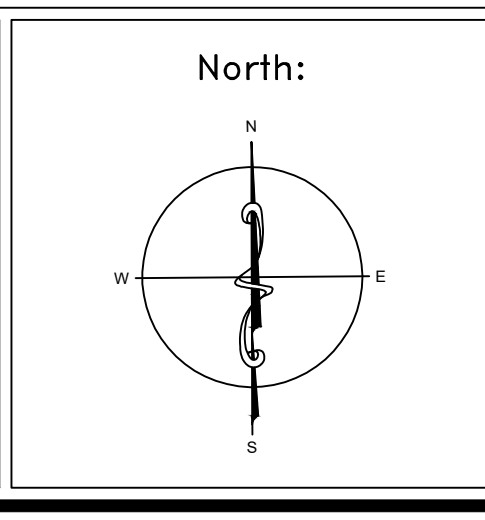


### BUILDING #28 - FIRST FLOOR PLAN

- 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

Revisions	Dates

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



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
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	2A
Sheet	35 of 71



three inches = one foot  
one and one-half inches = one foot  
one inch = one foot  
three-quarters inch = one foot  
one-half inch = one foot  
three-eighths inch = one foot  
one-quarter inch = one foot  
one-eighth inch = one foot

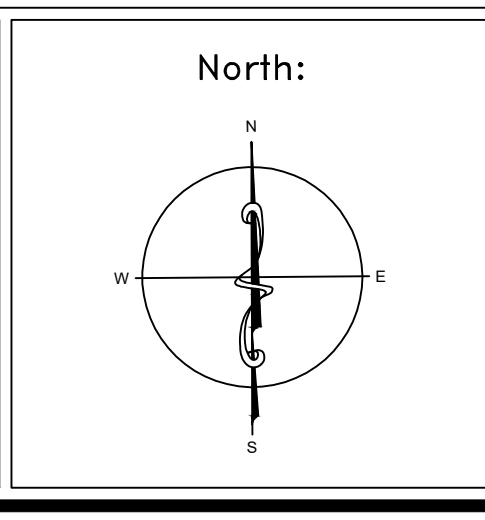


### BUILDING #28 - SECOND FLOOR PLAN

**LEGEND**  
-ASBESTOS-CONTAINING MASTIC UNDER 12"x12" FLOOR TILE

Revisions	Dates

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



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**

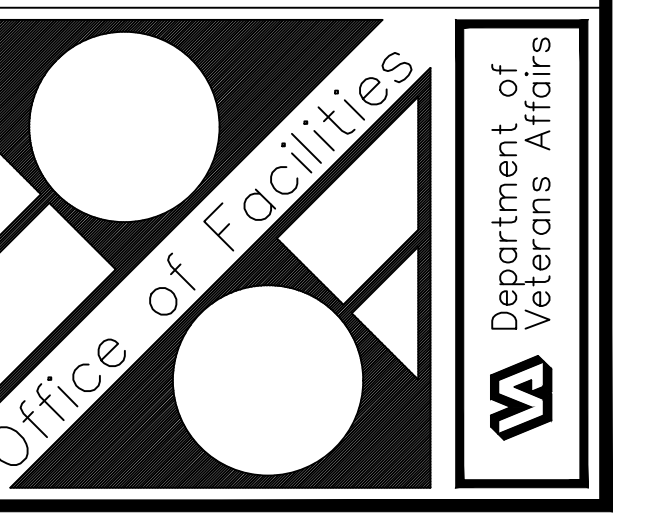
Location  
**ST. CLOUD, MINNESOTA**

Date  
**NOVEMBER 2019**

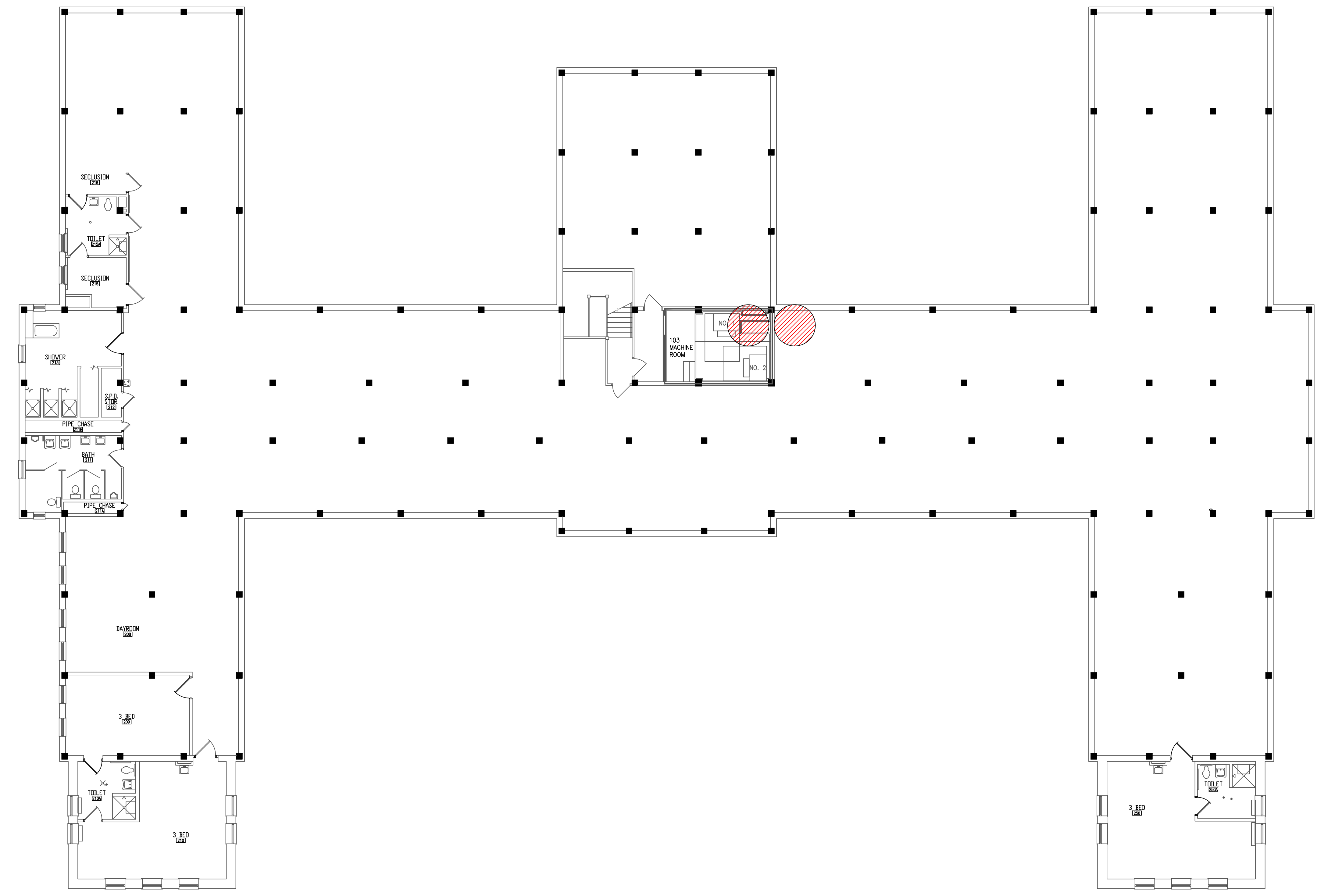
Project No.  
**36C26319P1003**

Drawing No.  
**3A**

Sheet 36 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

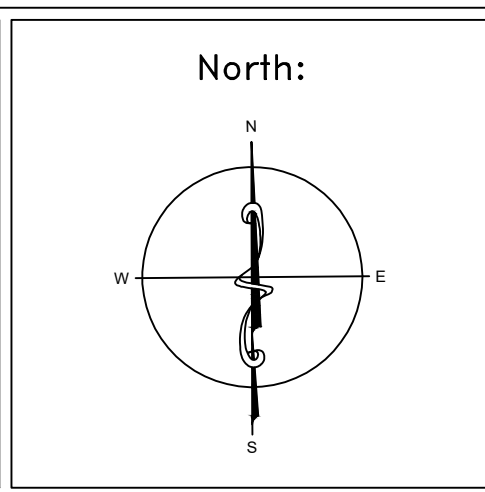


**BUILDING #28 - ATTIC FLOOR PLAN**

**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



<b>ARCHITECTURAL PLAN</b> <b>BUILDING 28</b> <b>Scale: 1/8" = 1'-0"</b>
Approved: Division Chief
Approved: Service Director

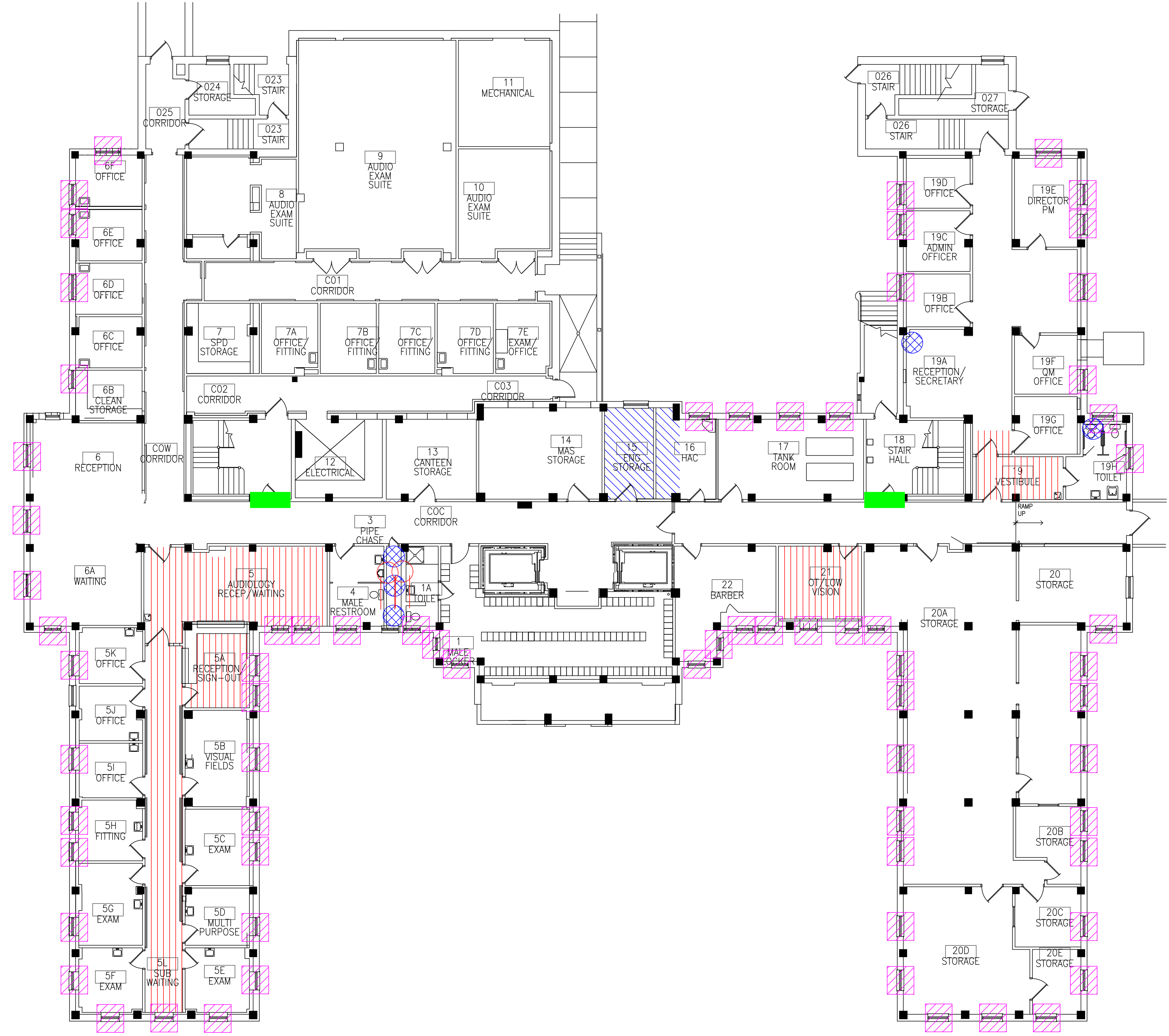
Project Title <b>FACILITY ASBESTOS RE-SURVEY</b> <b>VETERANS ADMINISTRATION</b> <b>MEDICAL CENTER</b> <b>ST. CLOUD, MINNESOTA</b>		
Building Number <b>028</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>4A</b>
Sheet 37 of 71





three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot  
 one-half inch = one foot  
 one inch = one foot  
 one and one-half inches = one foot  
 three inches = one foot

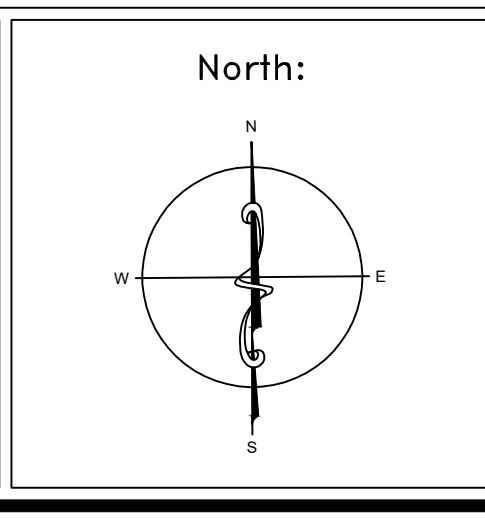


**BUILDING #29 - BASEMENT FLOOR PLAN**

- 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

Revisions	Dates

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



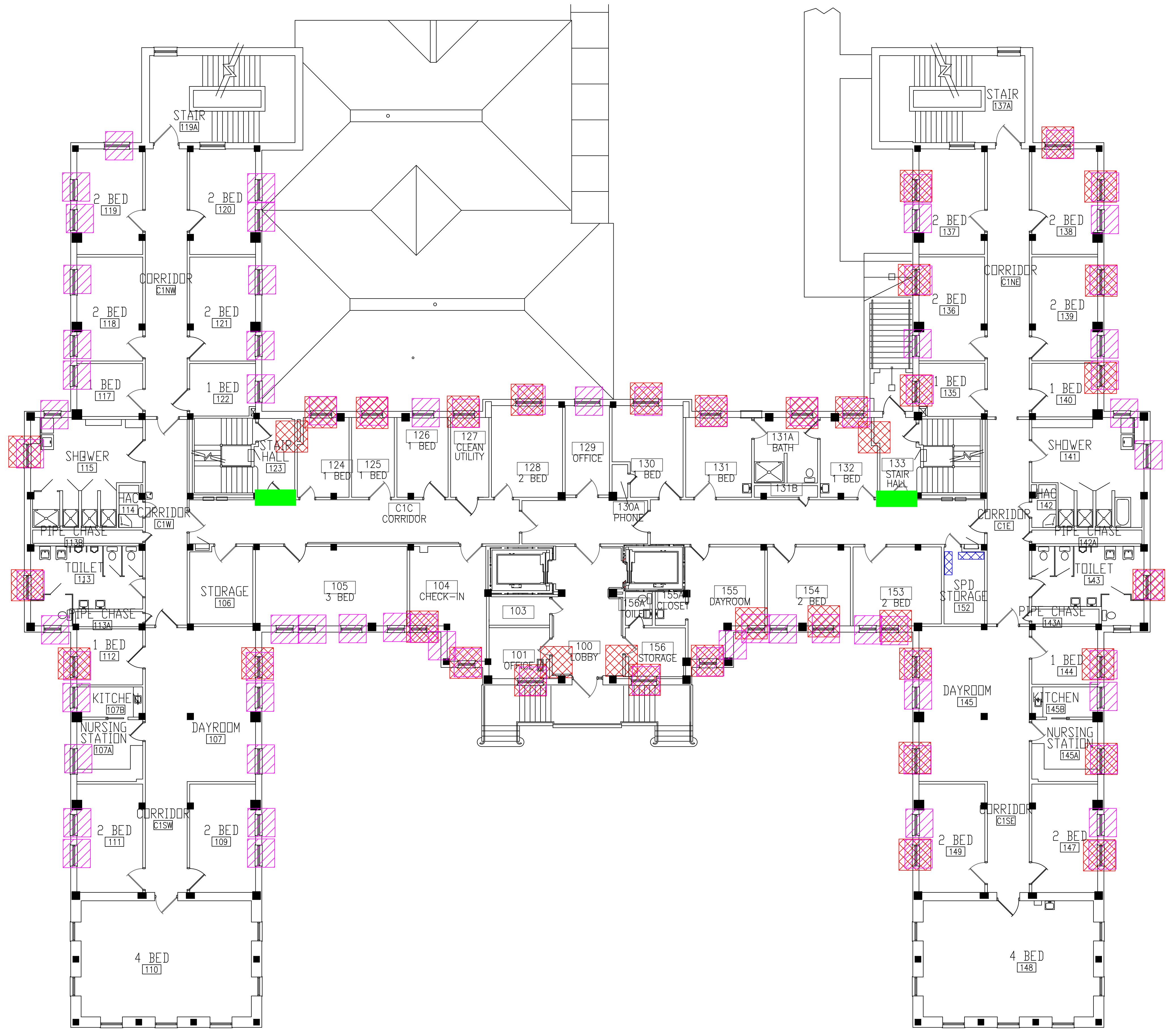
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 29 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	029	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

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



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

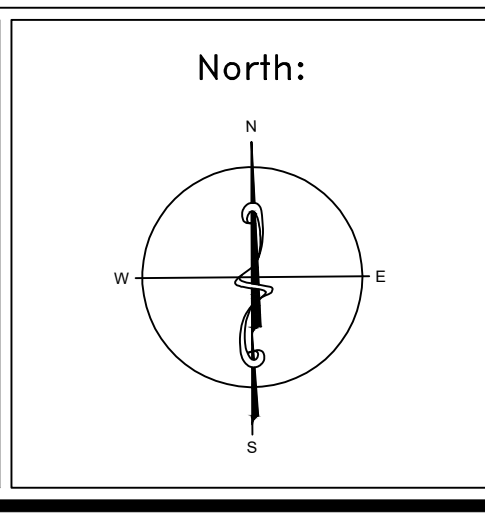


**BUILDING #29 - FIRST FLOOR PLAN**

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

Revisions	Dates

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



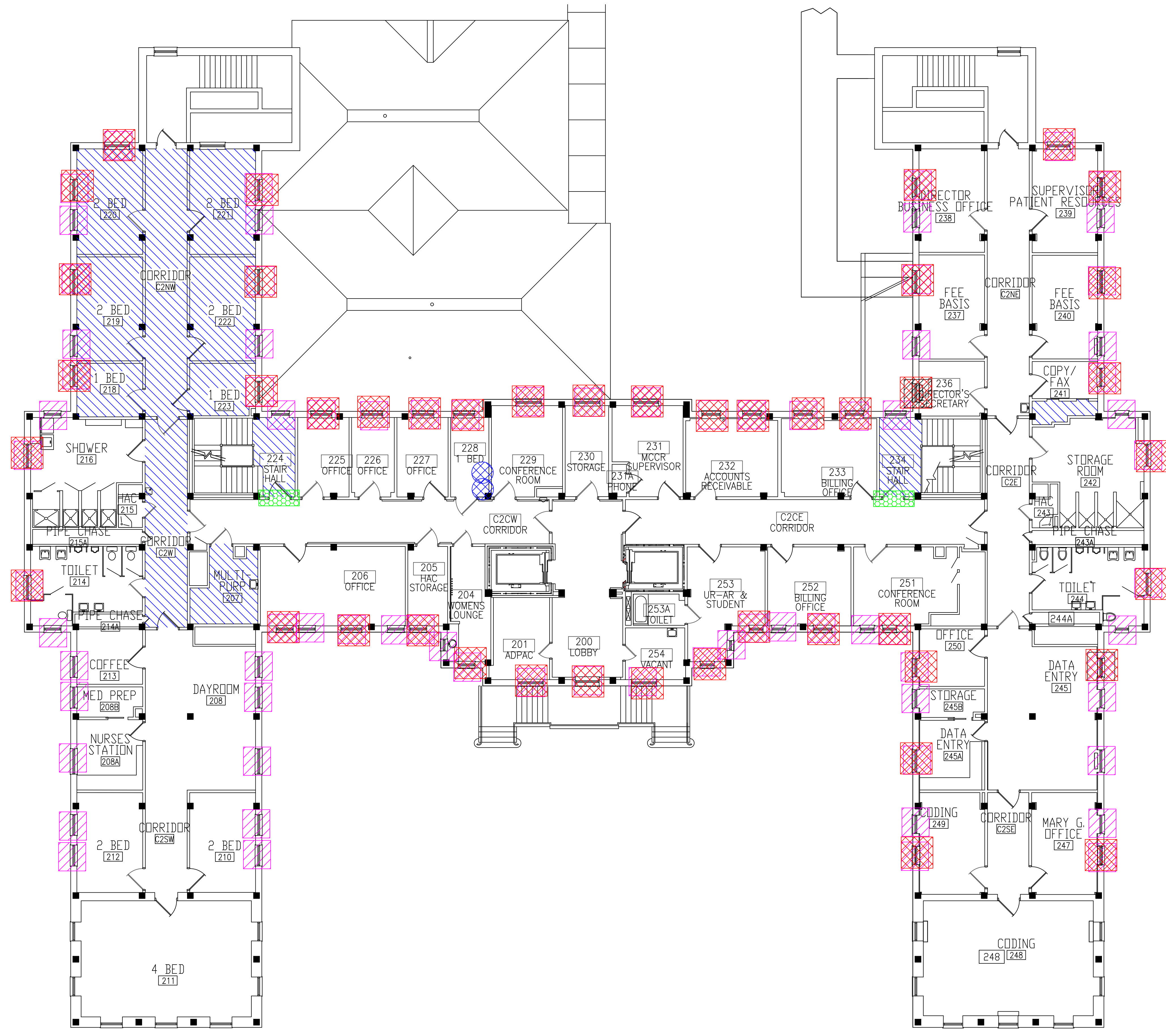
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 29 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	029	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>2A</b>
Sheet	39 of 71



three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-half inch = one foot  
 three-quarters inch = one foot  
 one inch = one foot  
 one and one-half inches = one foot  
 three inches = one foot

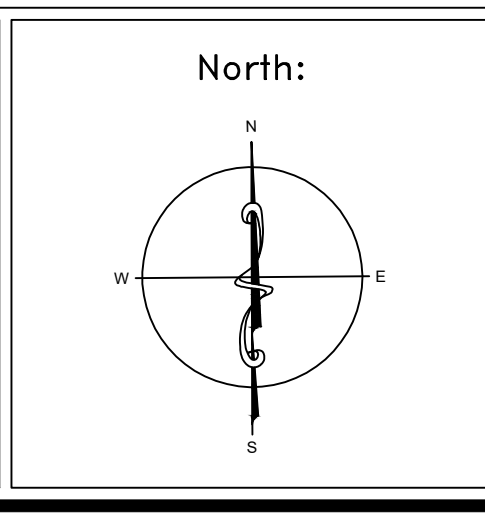


**BUILDING #29 - SECOND FLOOR PLAN**

- 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

Revisions	Dates

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



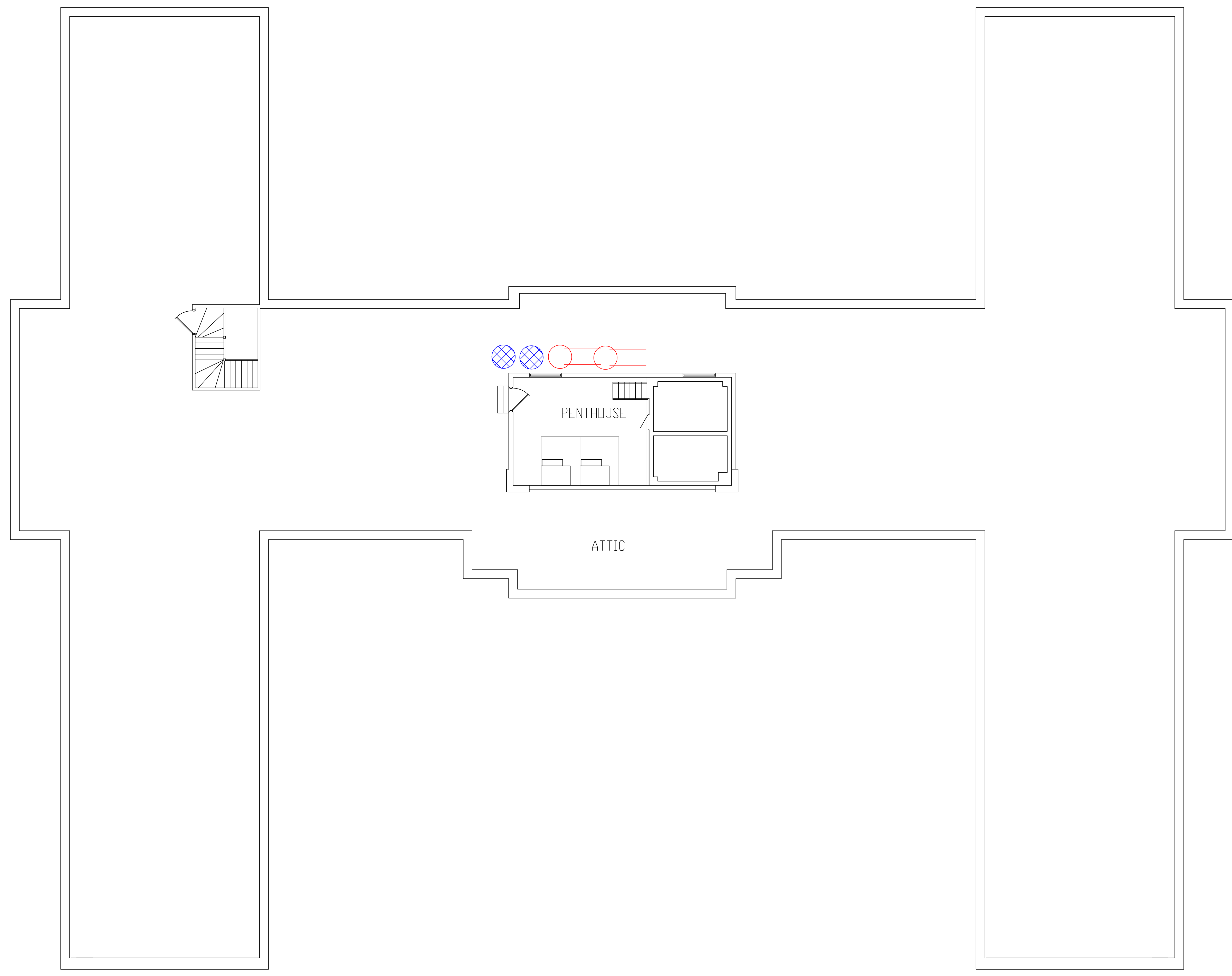
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 29 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	029	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	3A
Sheet	40 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

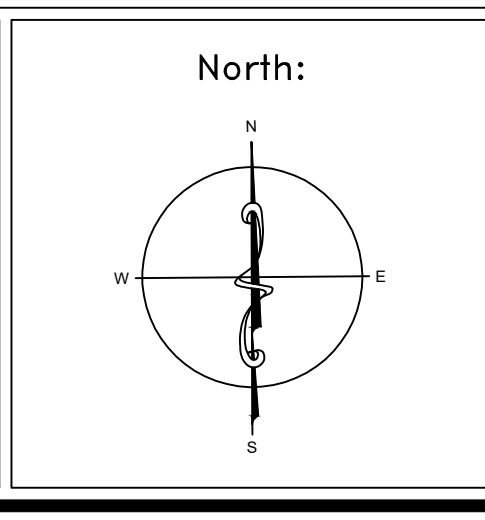


**BUILDING #29 - ATTIC FLOOR PLAN**

- 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



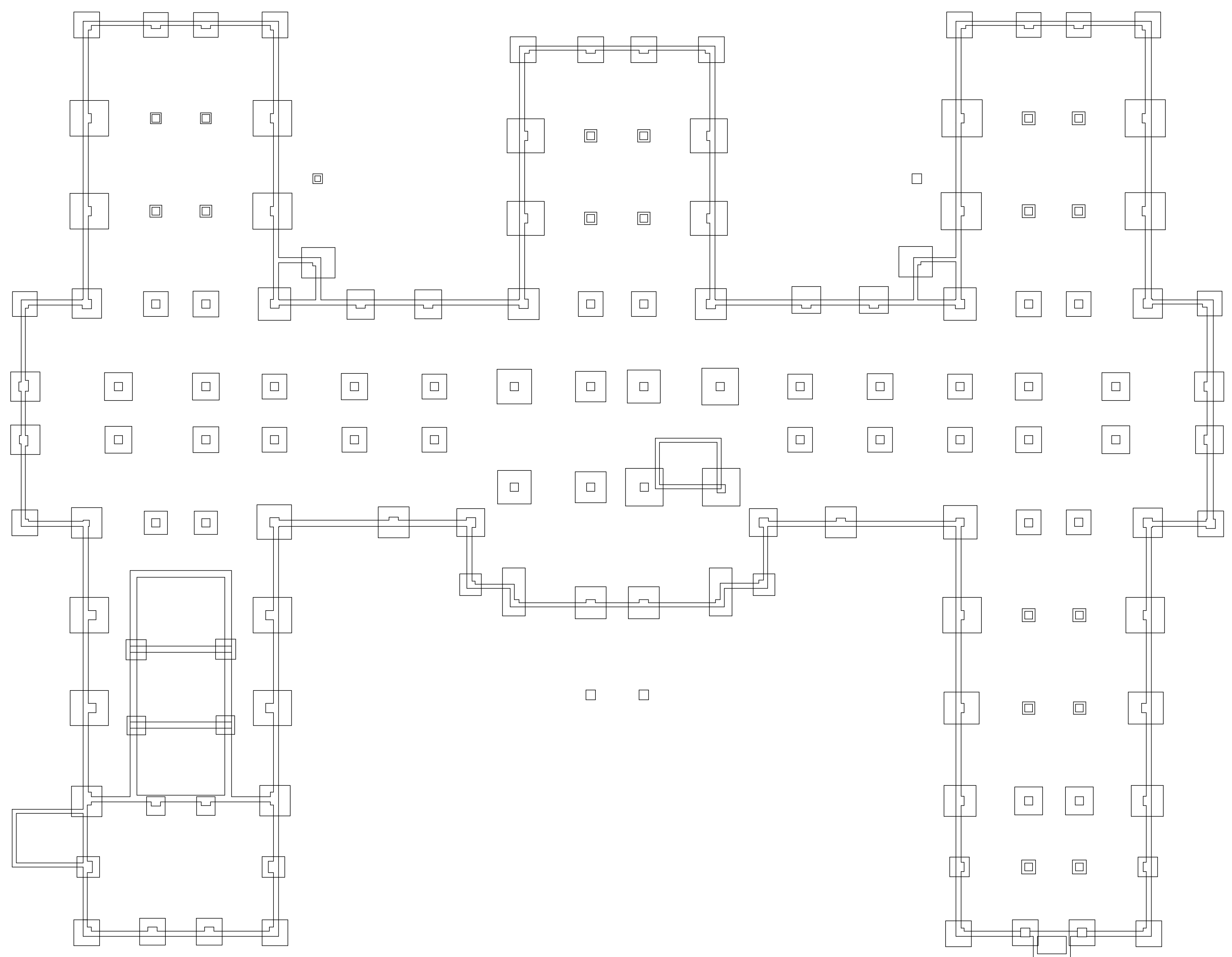
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 29 Scale: 1/8" = 1'-0"</b>		
Approved : Division Chief			
Approved : Service Director			

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	029	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	4A
Sheet	41 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

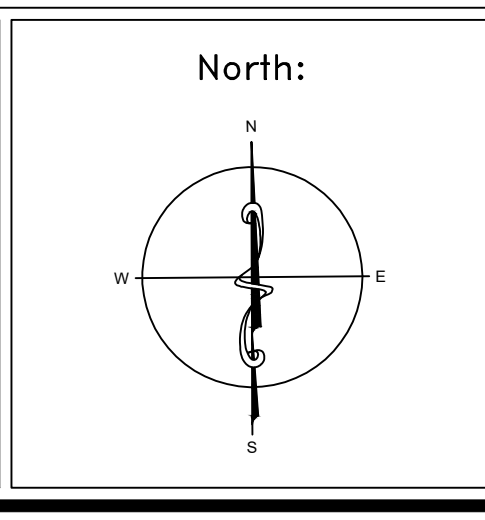


**BUILDING #48 - CRAWLSPACE FLOOR PLAN**

**NO ACM**

Revisions	Dates

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



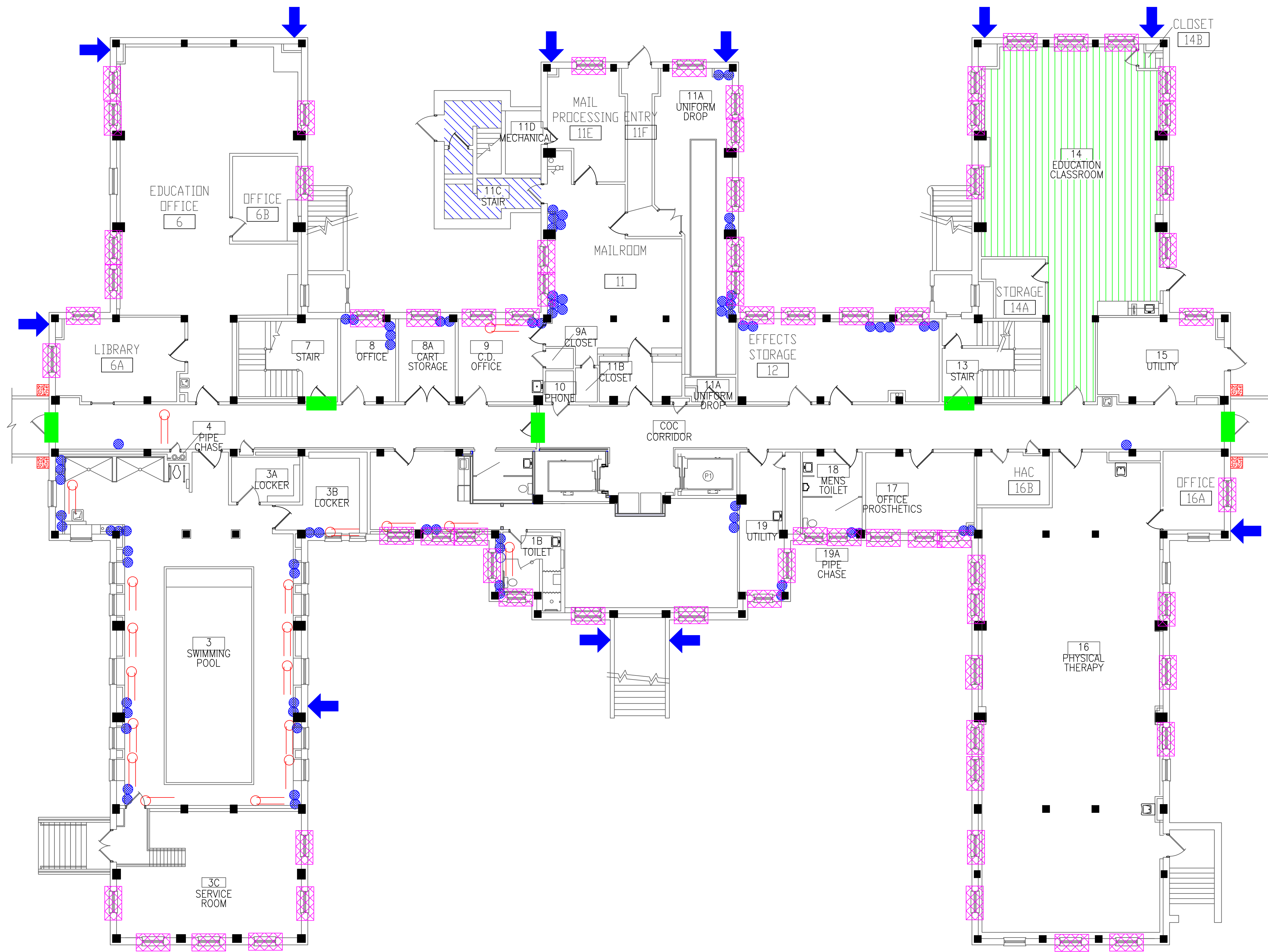
Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 48          Scale: 1/8" = 1'-0"</b>
Approved: Division Chief  Approved: Service Director

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>048</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>1A</b>
Sheet 42 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

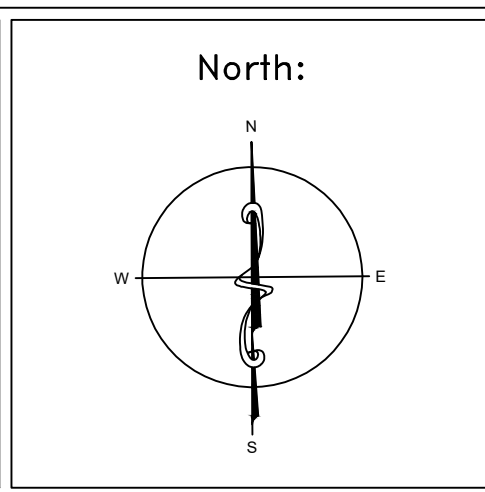


- LEGEND**
- ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
  - ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
  - ASBESTOS-CONTAINING FIRE DOOR
  - ASBESTOS-CONTAINING MASTIC UNDER 12"X12" FLOOR TILE
  - ASBESTOS-CONTAINING MASTIC UNDER CARPET
  - ASBESTOS-CONTAINING WINDOW CAULK AND INTERIOR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

**BUILDING #48 - BASEMENT FLOOR PLAN**

Revisions	Dates

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



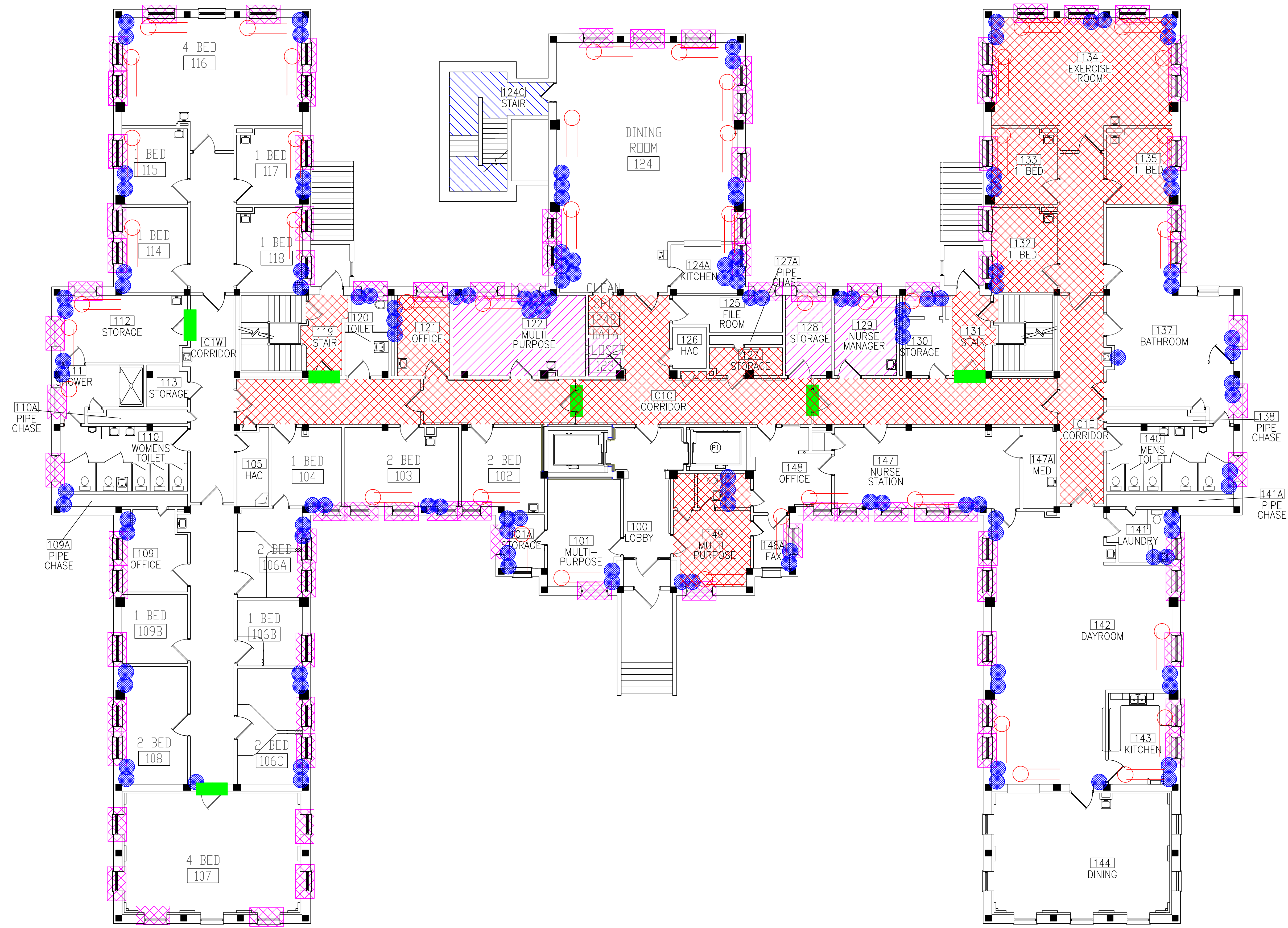
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 48 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	048	Checked	BLB
Drawn	AFS		
Location	<b>ST. CLOUD, MINNESOTA</b>		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>2A</b>
Sheet	43 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

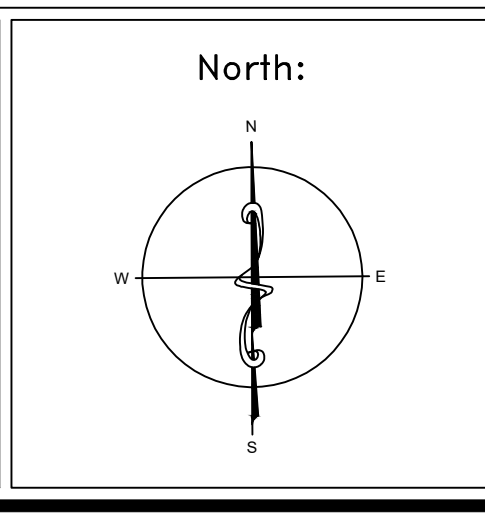


**BUILDING #48 - FIRST FLOOR PLAN**

- 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

Revisions	Dates

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



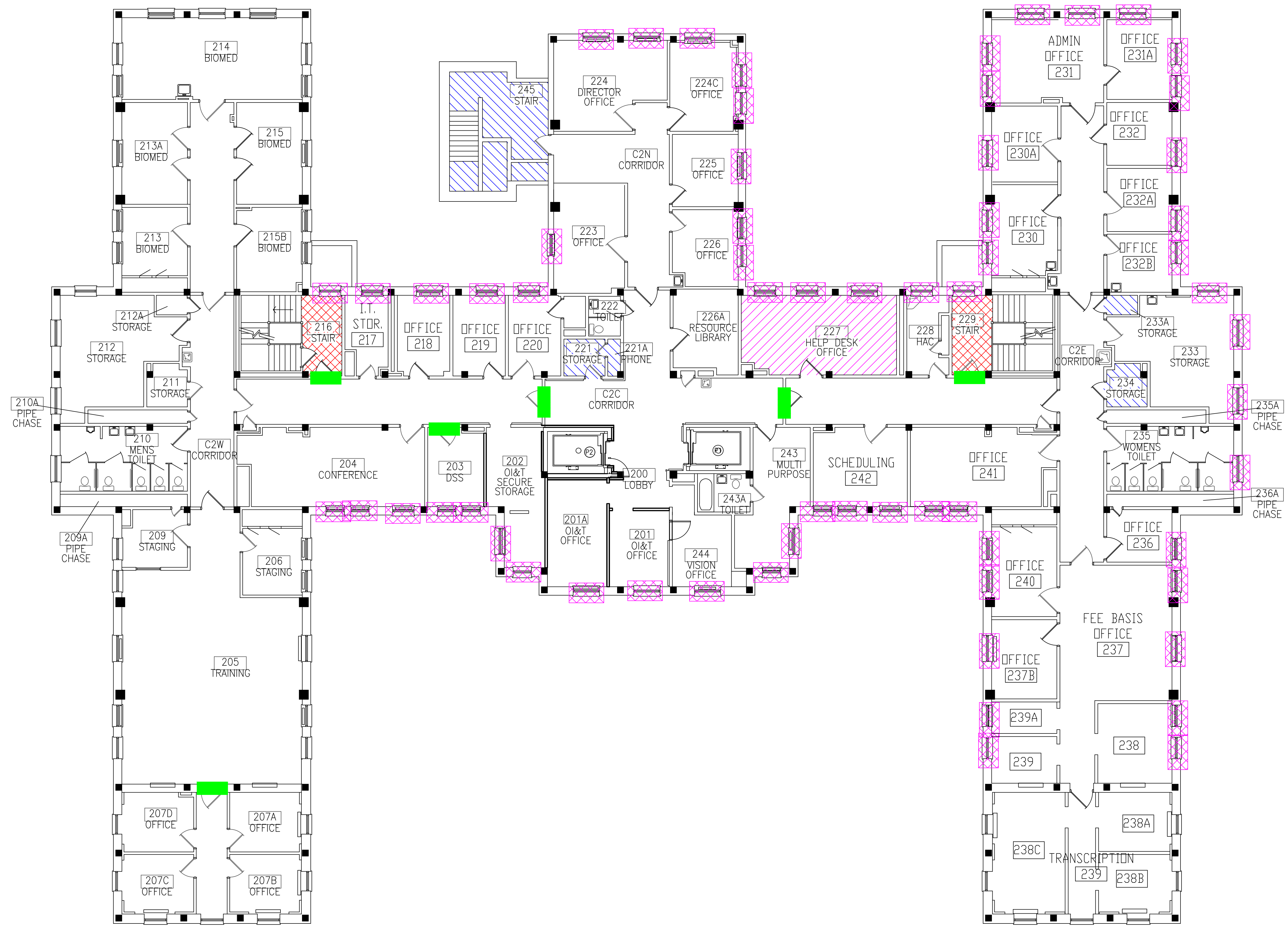
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 48 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	048	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

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



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

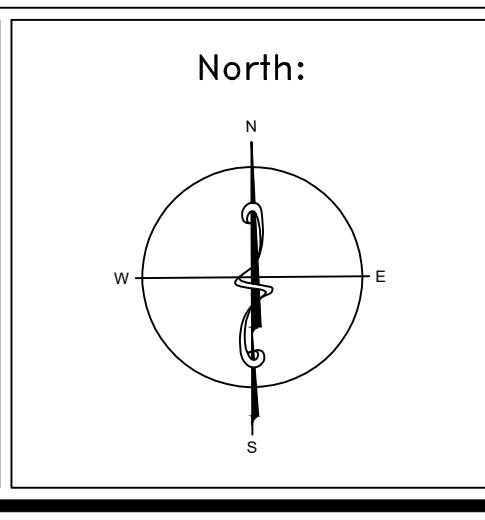


**BUILDING #48 - SECOND FLOOR PLAN**

- 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

Revisions	Dates

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



Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 48 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

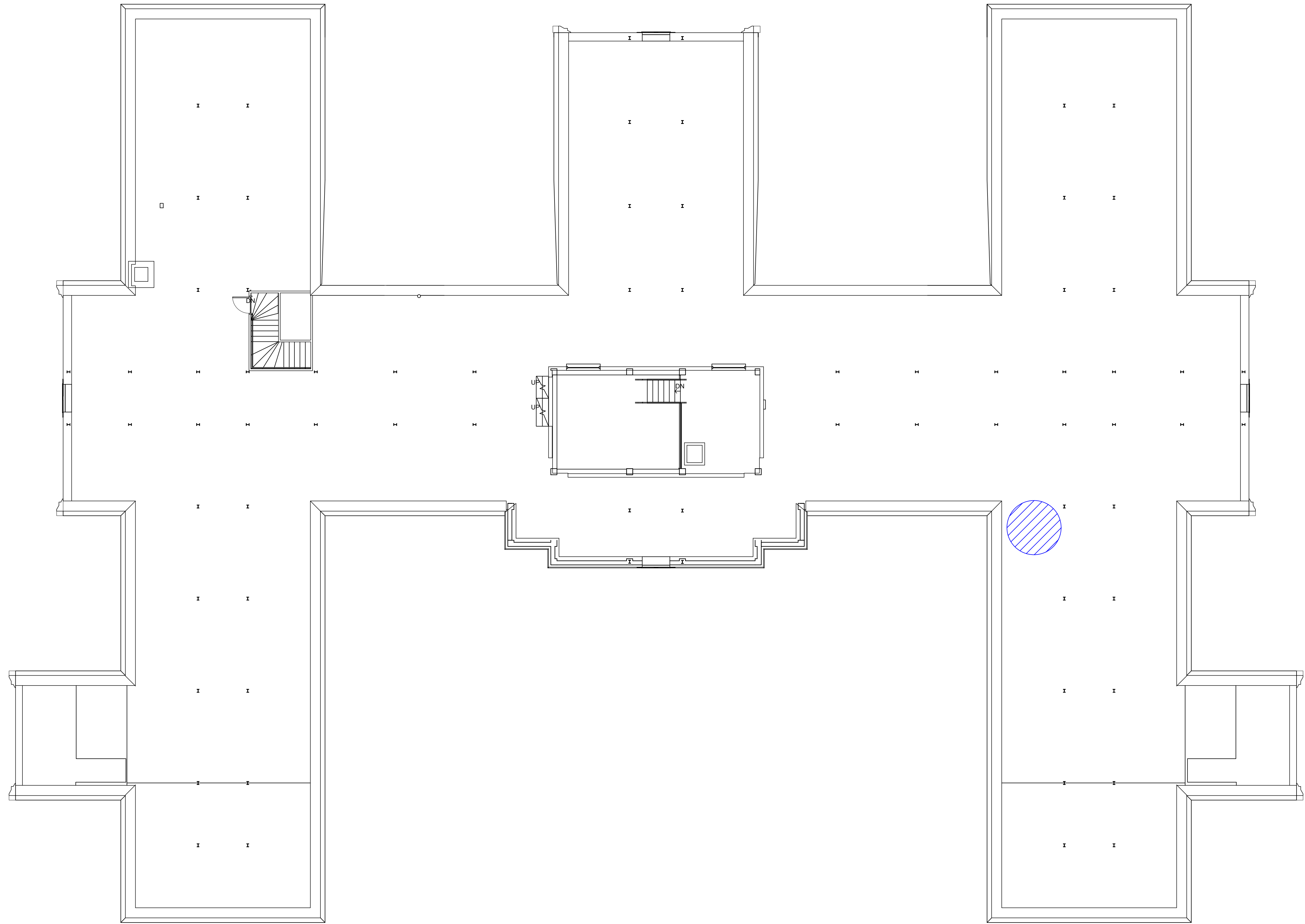
Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	048	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	4A
Sheet	45 of 71






three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

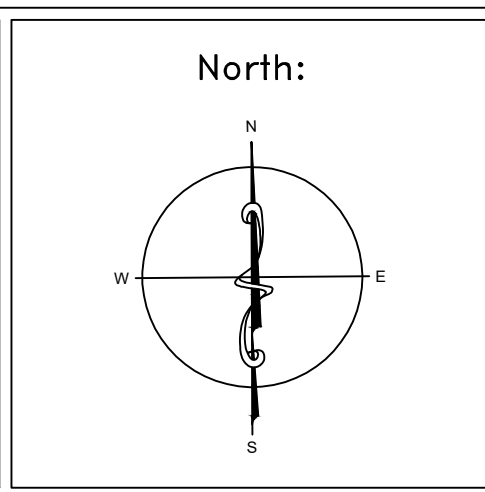


**BUILDING #48 - ATTIC FLOOR PLAN**

**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



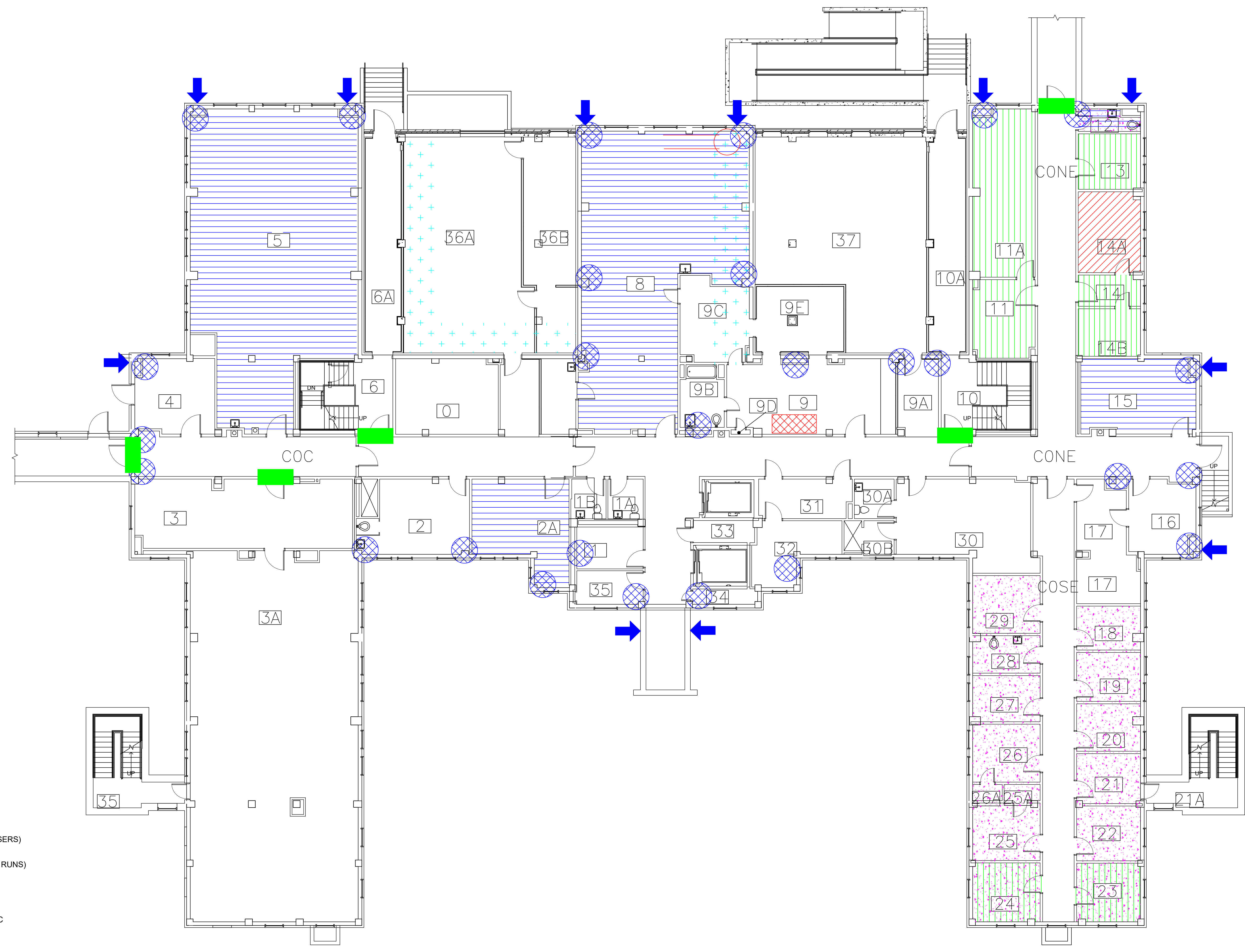
Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 48          Scale: 1/8" = 1'-0"</b>
Approved: Division Chief
Approved: Service Director

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>048</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>5A</b>
Sheet 46 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

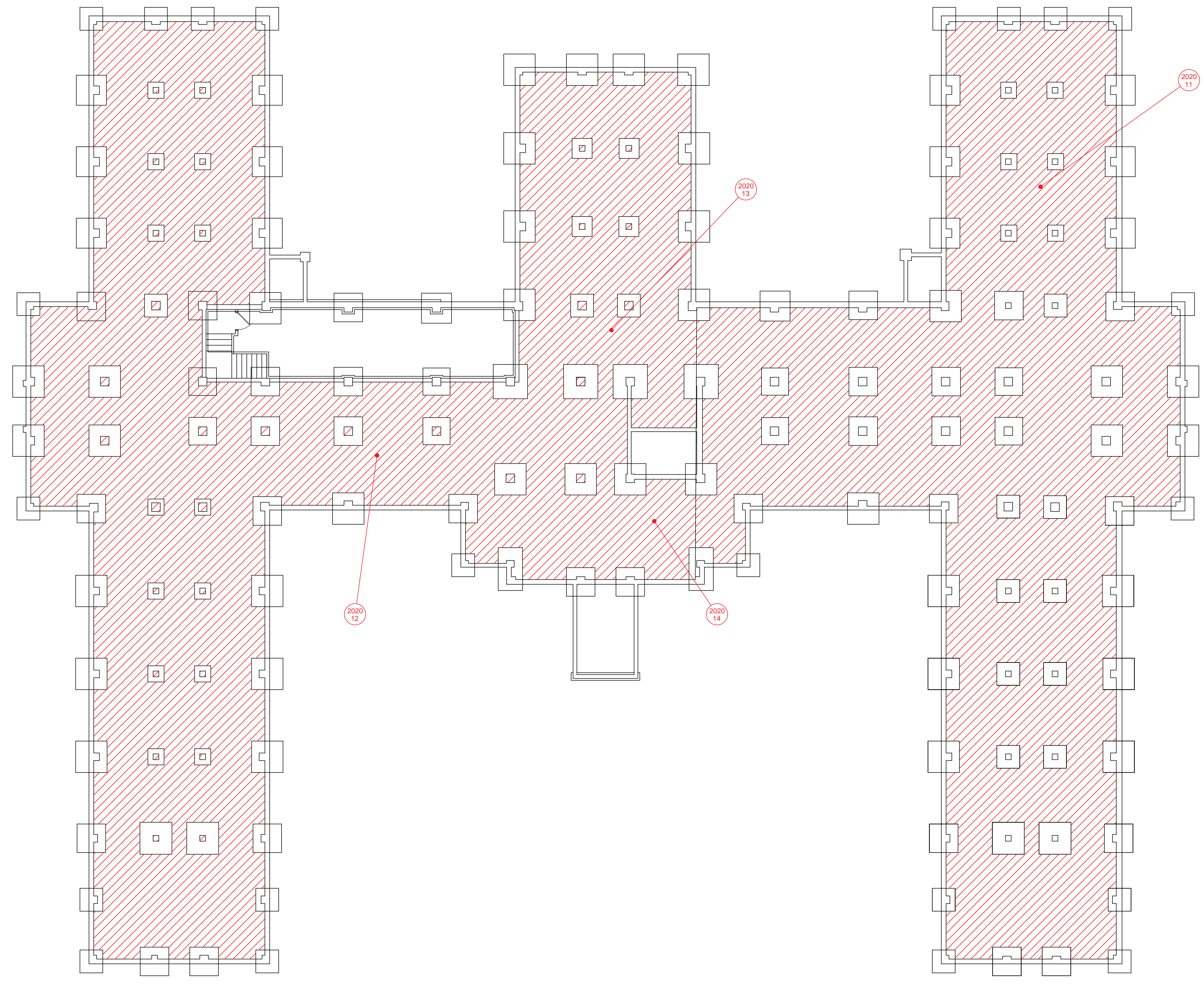


- LEGEND**
- ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
  - ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
  - ASBESTOS-CONTAINING FIRE DOOR
  - ASBESTOS-CONTAINING 12"x12" FLOOR TILE AND MASTIC
  - ASBESTOS-CONTAINING MASTIC UNDER CARPET
  - ASBESTOS-CONTAINING FLOOR TILE AND MASTIC 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**




<p>Revisions</p>	<p>Dates</p>	<p>ENVIRONMENTAL CONSULTANT:  <b>CASTLE HILL ASSOCIATES, LLC.</b>          218-A MECHANIC STREET,          WATERVILLE, OHIO 43566          Tel: (567) 952-0212</p>		<p>Professional Seal:</p>	<p>North:</p>	<p>Drawing Title</p> <p style="text-align: center;"><b>ARCHITECTURAL PLAN          BUILDING 49          Scale: 1/8" = 1'-0"</b></p> <p>Approved: Division Chief</p> <p>Approved: Service Director</p>	<p>Project Title</p> <p style="text-align: center;"><b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b></p> <p>Building Number: <b>049</b></p> <p>Location: <b>ST. CLOUD, MINNESOTA</b></p>	<p>Date</p> <p style="text-align: center;"><b>NOVEMBER 2019</b></p> <p>Project No.  <b>36C26319P1003</b></p> <p>Drawing No.  <b>2A</b></p> <p style="text-align: center;">Sheet 48 of 71</p>		
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three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



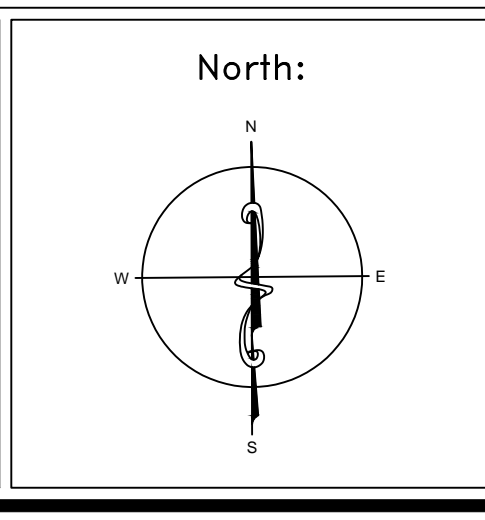
**BUILDING #49 - CRAWLSPACE FLOOR PLAN**

**LEGEND**

-  -SAMPLE LOCATION
-  -POSITIVE SAMPLE LOCATION
-  -ASBESTOS-CONTAMINATED SOIL

Revisions	Dates

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



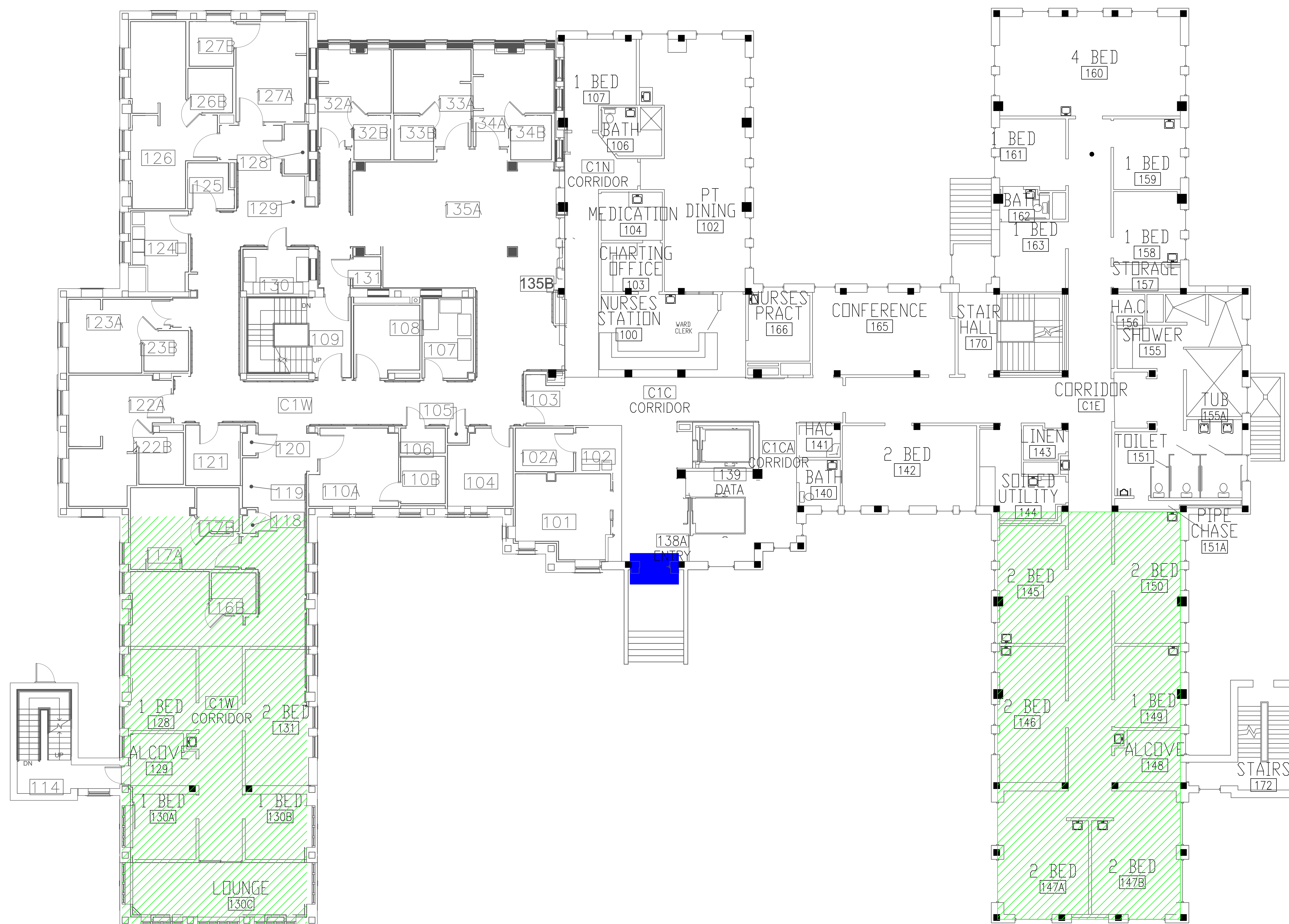
Drawing Title	
<b>ARCHITECTURAL PLAN BUILDING 49 Scale: 1/8" = 1'-0"</b>	
Approved: Division Chief	
Approved: Service Director	

Project Title		
<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	Checked	Drawn
<b>049</b>	<b>BLB</b>	<b>AFS</b>
Location		
<b>ST. CLOUD, MINNESOTA</b>		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet 47 of 71	



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

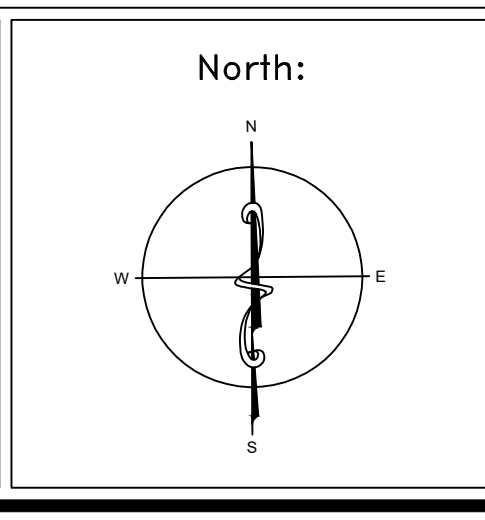


**BUILDING #49 - FIRST FLOOR PLAN**

**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

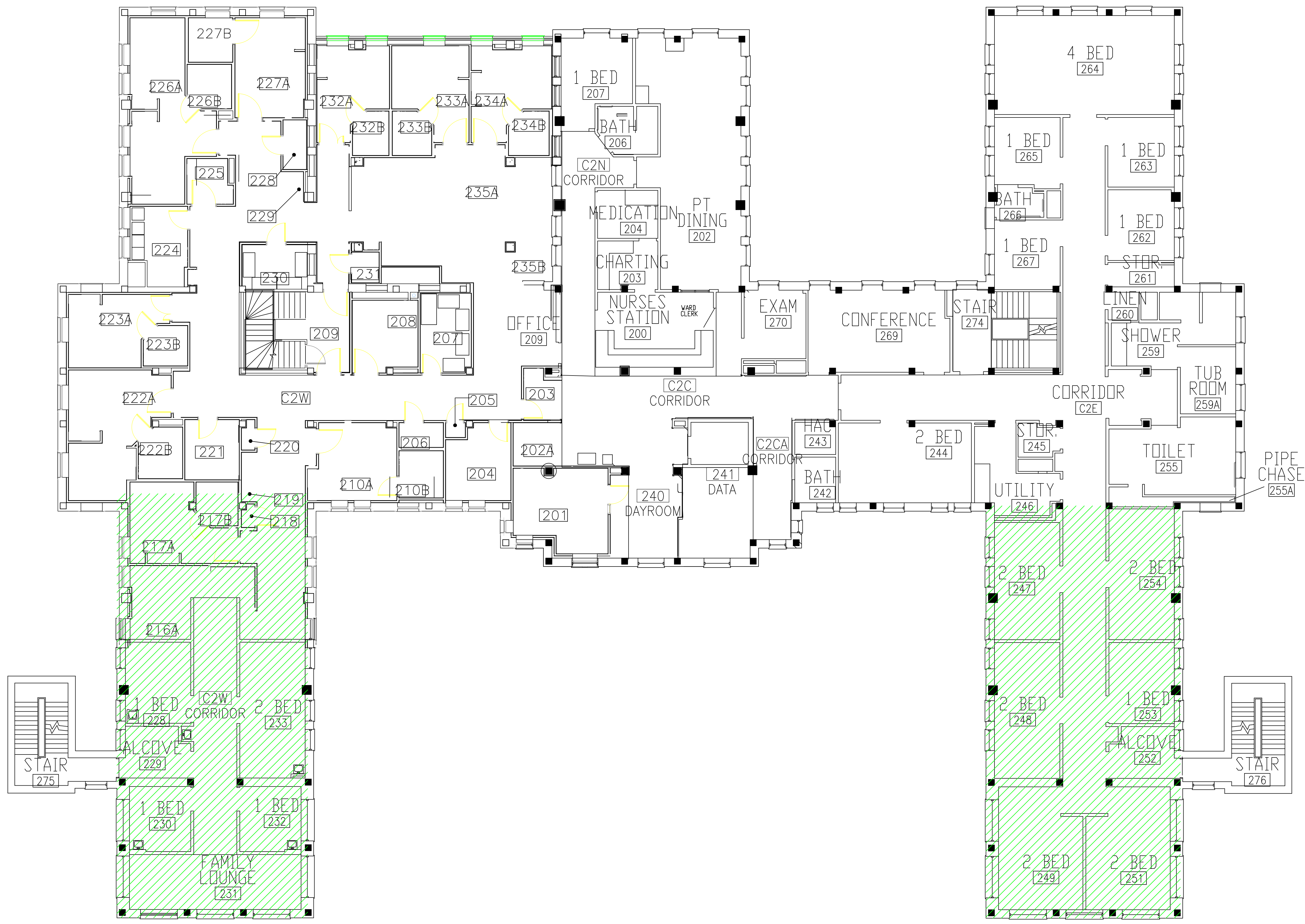


Drawing Title  
**ARCHITECTURAL PLAN  
 BUILDING 49  
 Scale: 1/8" = 1'-0"**  
 Approved: Division Chief  
 Approved: Service Director

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



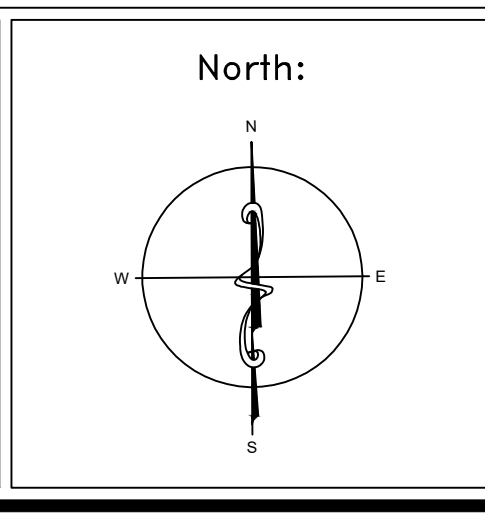


**BUILDING #49 - SECOND FLOOR PLAN**

**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



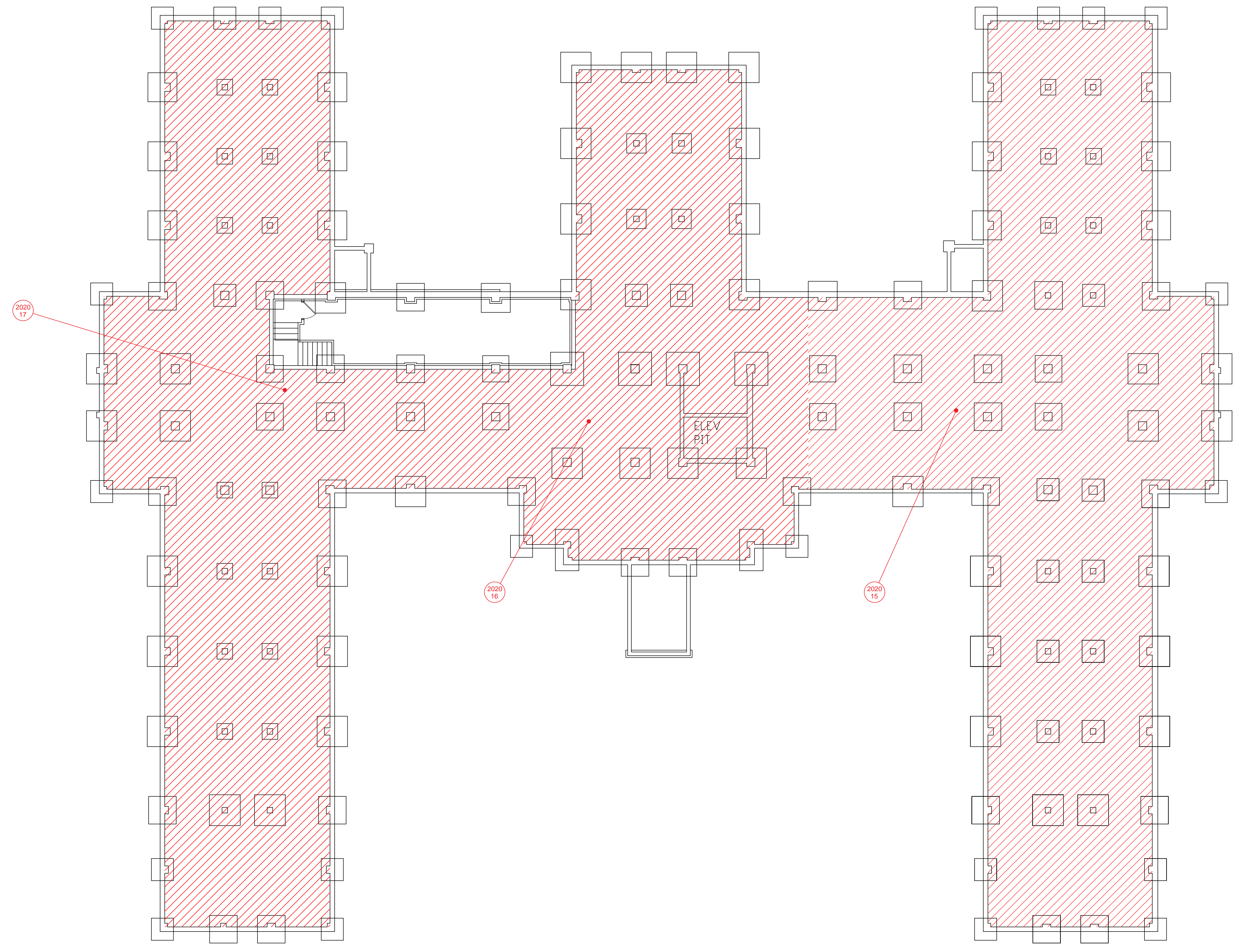
Drawing Title	ARCHITECTURAL PLAN BUILDING 49 Scale: 1/8" = 1'-0"
Approved: Division Chief	
Approved: Service Director	

Project Title	FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA		
Building Number	049	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		



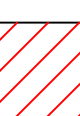
Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	4A
Sheet	50 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

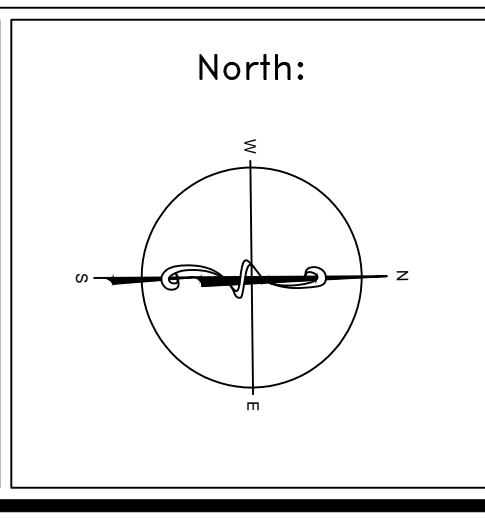


**BUILDING #50 - CRAWLSPACE FLOOR PLAN**

- LEGEND**
-  -SAMPLE LOCATION
  -  -POSITIVE SAMPLE LOCATION
  -  -ASBESTOS-CONTAMINATED SOIL

Revisions	Dates

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



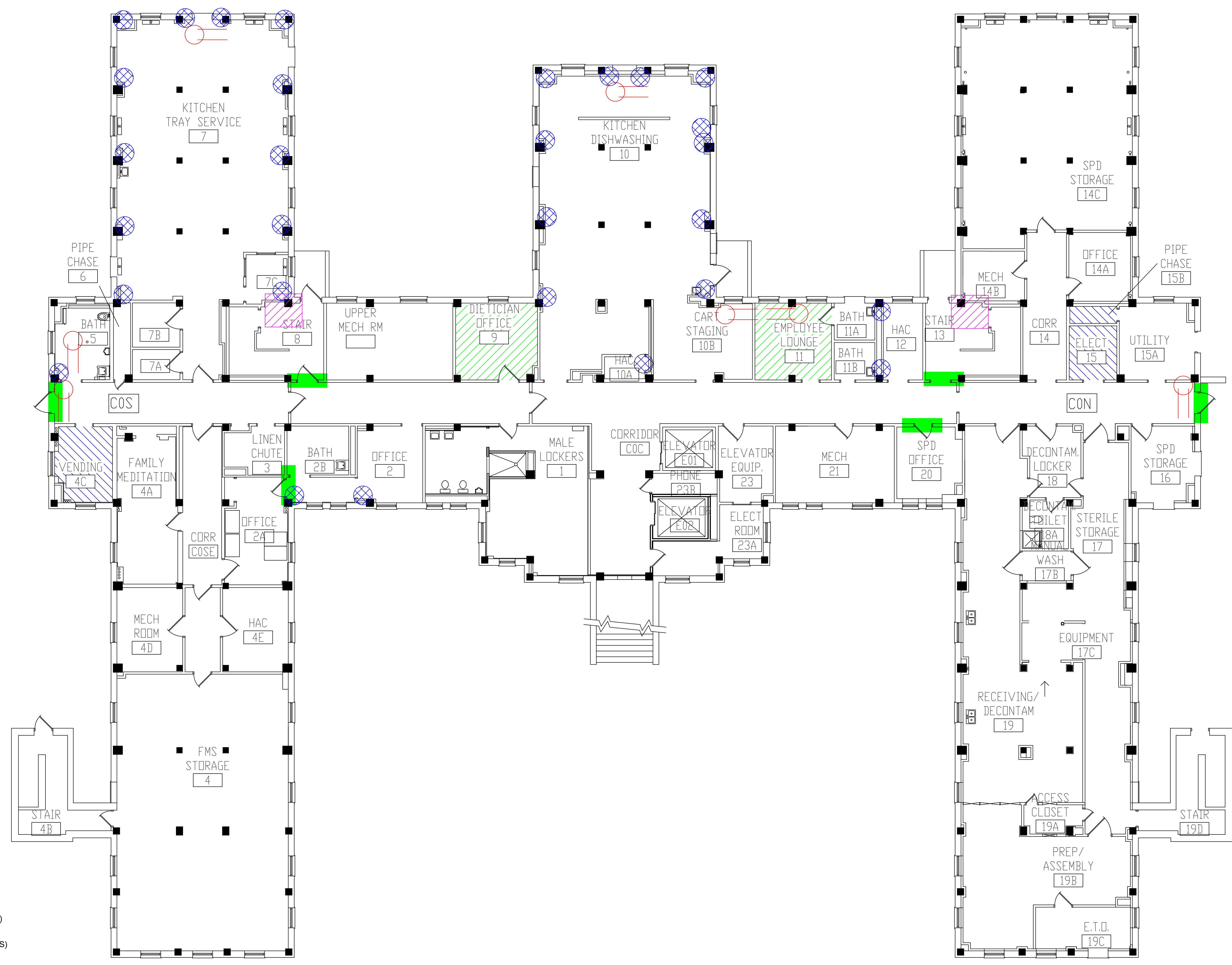
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 50 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	050	Checked	BLB
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet	51 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

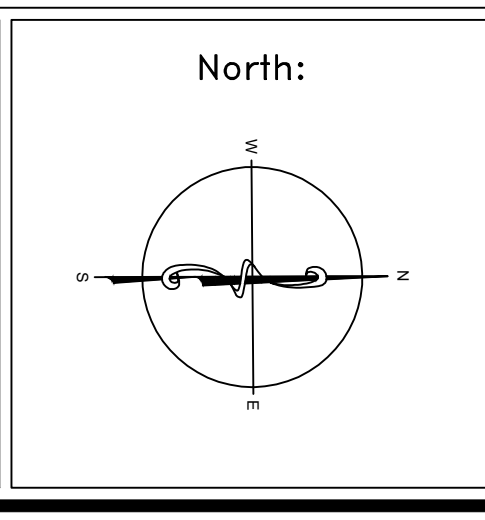


**BUILDING #50 - BASEMENT FLOOR PLAN**

- 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

Revisions	Dates

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



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**

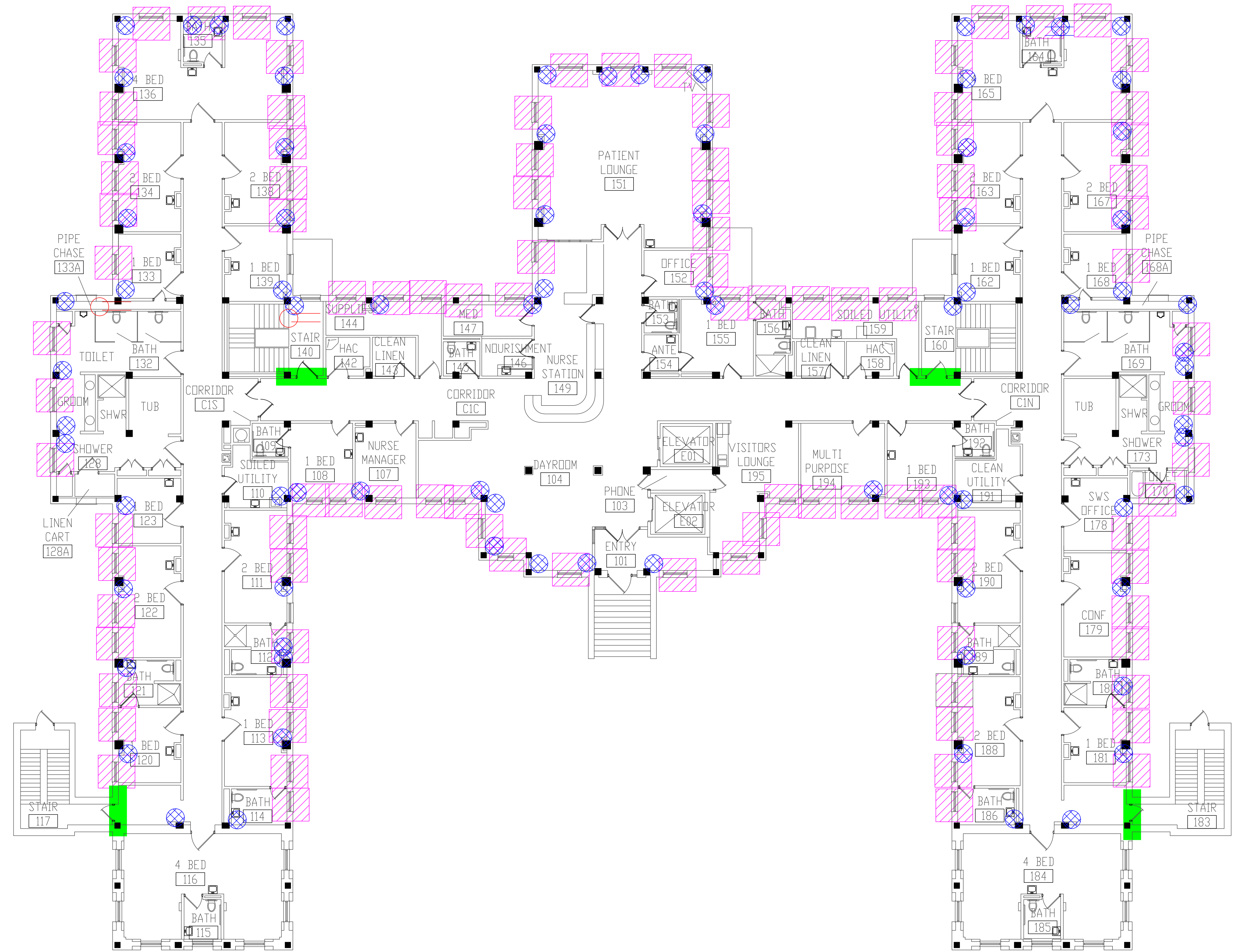
Project No.  
**36C26319P1003**

Drawing No.  
**2A**

Sheet 52 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

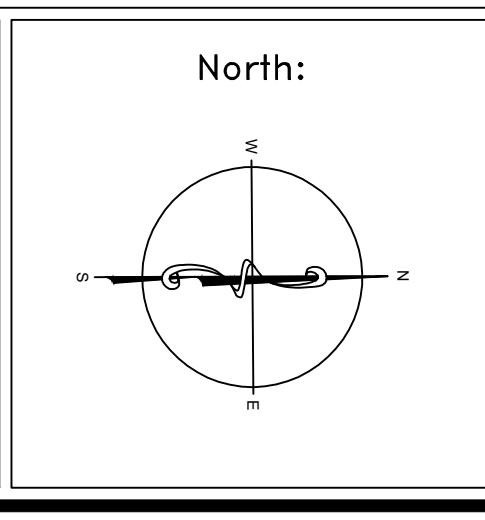


**BUILDING #50 - FIRST FLOOR PLAN**

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

Revisions	Dates

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



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**

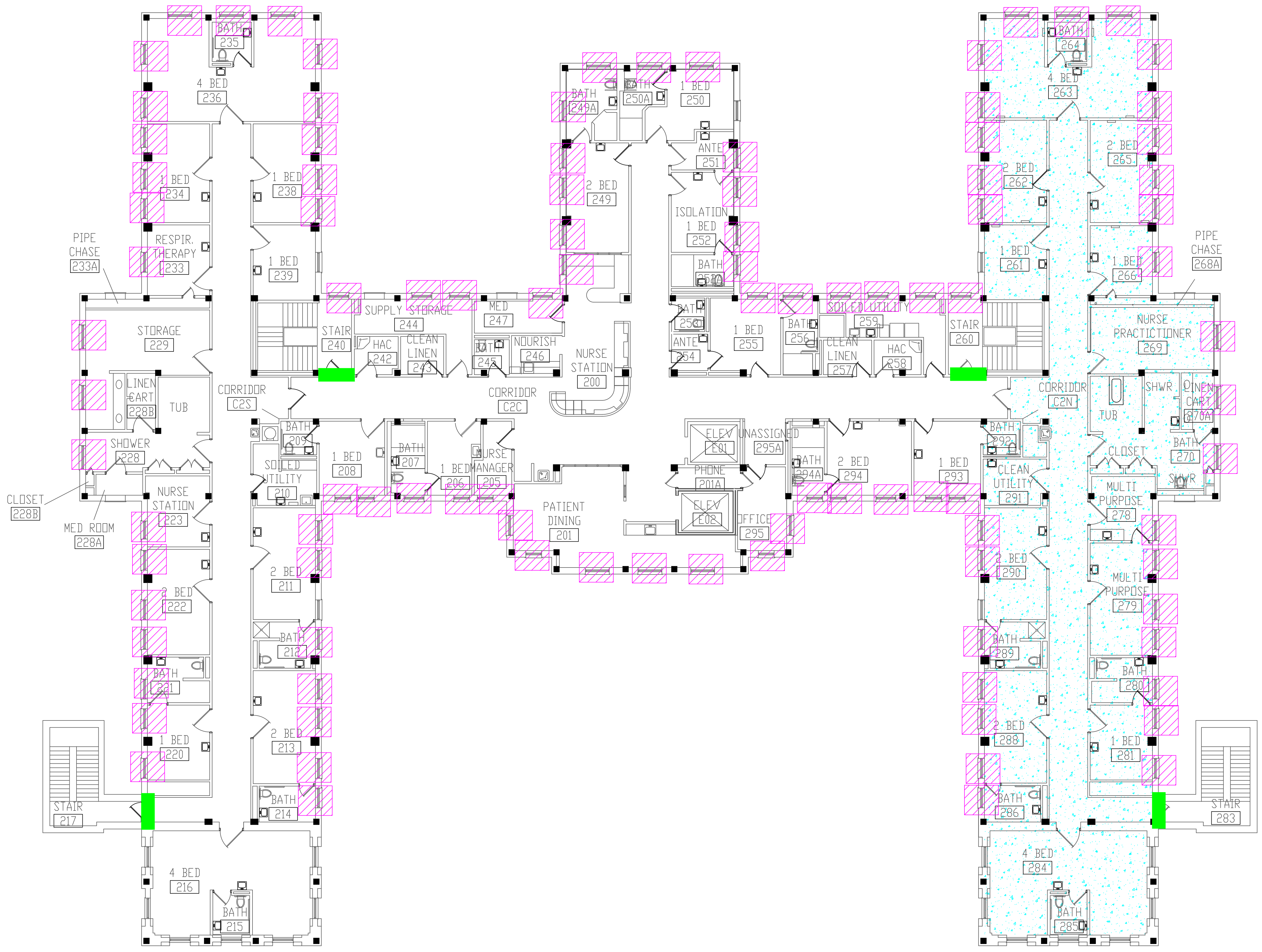
Drawing No.  
**3A**

Sheet 53 of 71





three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

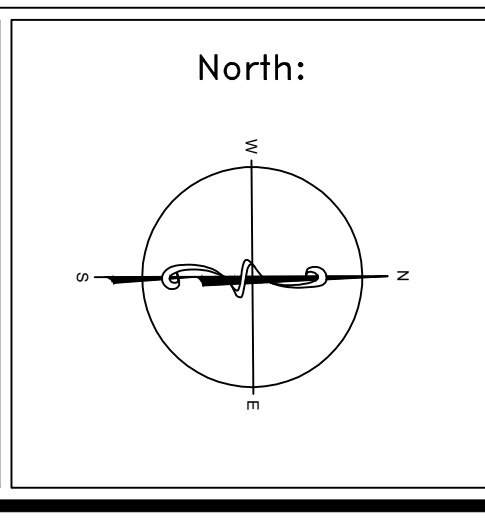


**BUILDING #50 - SECOND FLOOR PLAN**

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

Revisions	Dates

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



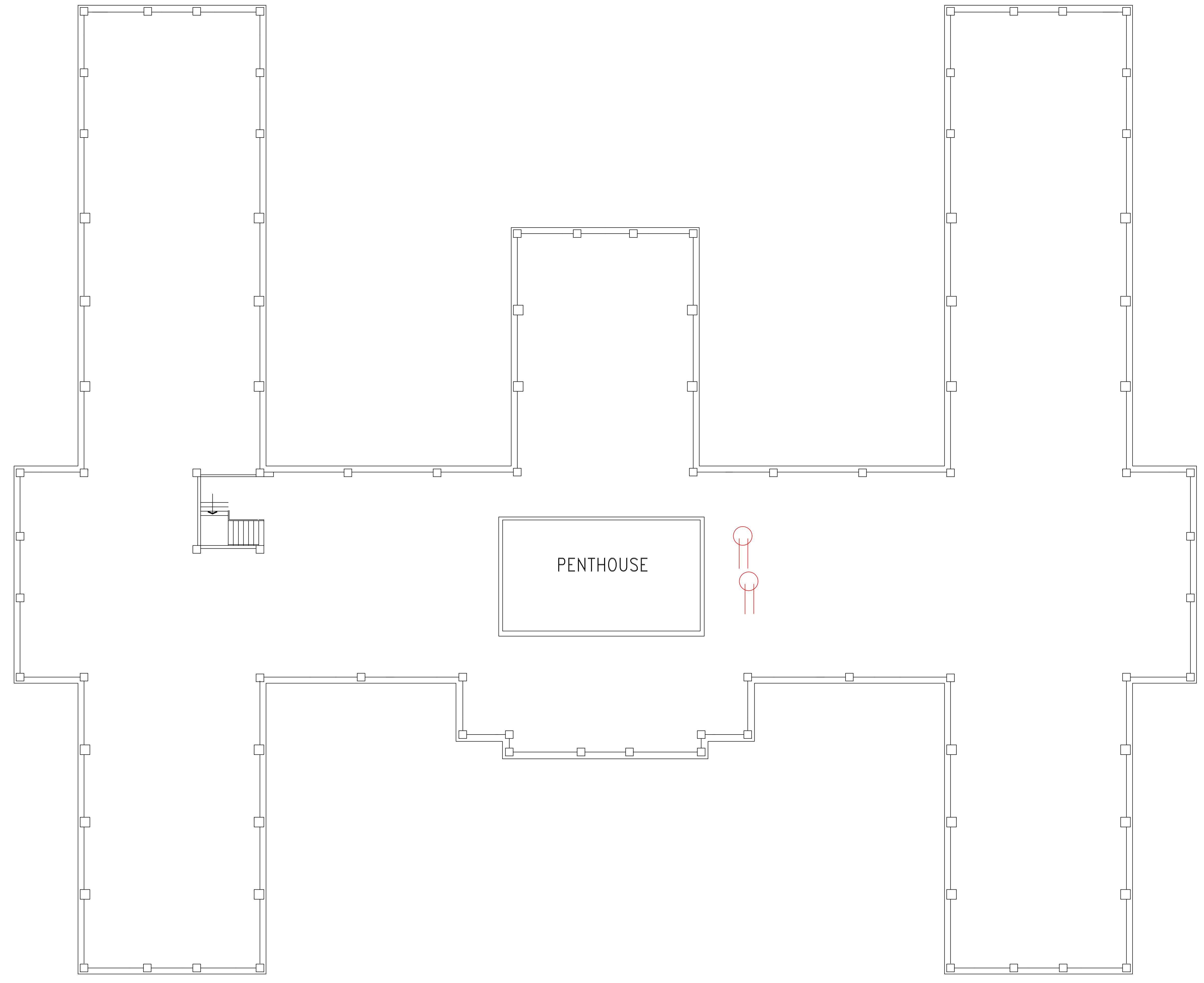
Drawing Title	
<b>ARCHITECTURAL PLAN BUILDING 50 Scale: 1/8" = 1'-0"</b>	
Approved: Division Chief	
Approved: Service Director	

Project Title			
<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>			
Building Number	Checked	Drawn	
<b>050</b>	<b>BLB</b>	<b>AFS</b>	
Location			
<b>ST. CLOUD, MINNESOTA</b>			

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>4A</b>
Sheet 54 of 71	



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



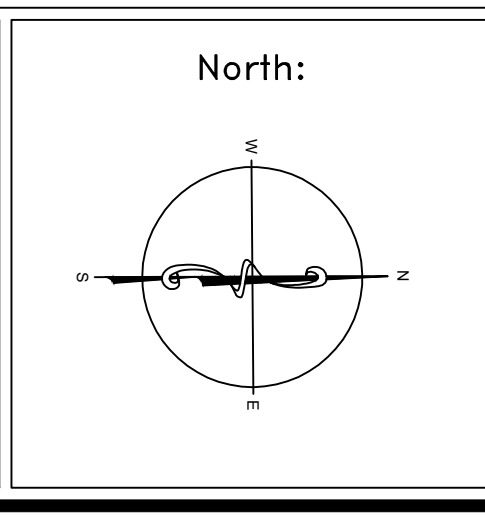
**BUILDING #50 - ATTIC FLOOR PLAN**

**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



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

Approved : Division Chief  
 Approved : Service Director

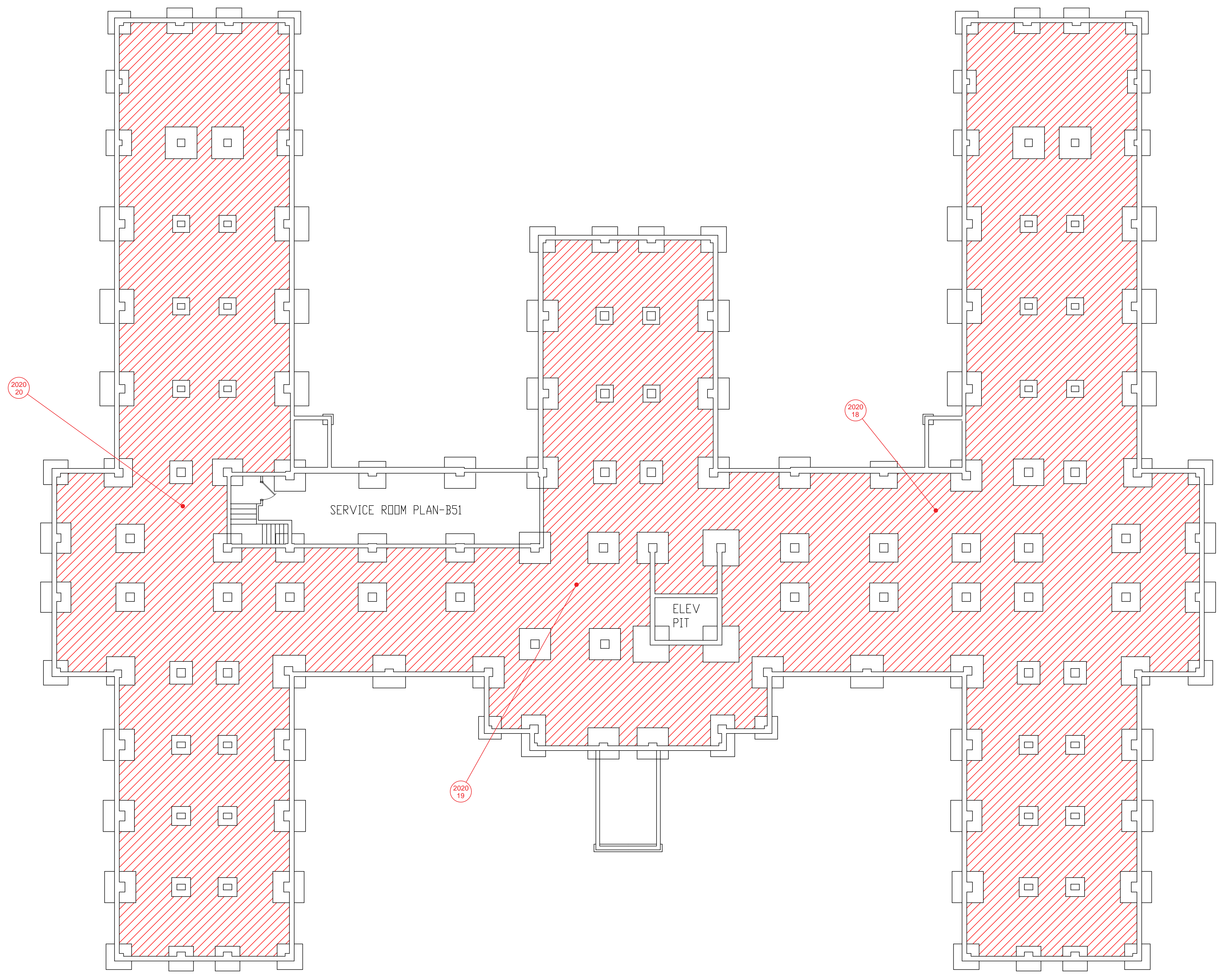
Project Title  
**FACILITY ASBESTOS RE-SURVEY  
 VETERANS ADMINISTRATION  
 MEDICAL CENTER  
 ST. CLOUD, MINNESOTA**

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

Date: **NOVEMBER 2019**  
 Project No.: **36C26319P1003**  
 Drawing No.: **5A**  
 Sheet 55 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

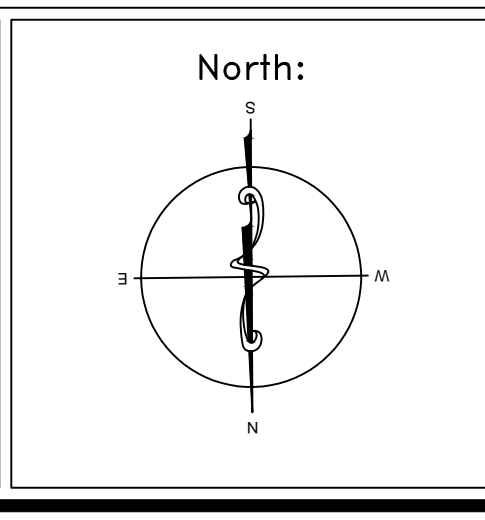


**BUILDING #51 - SUB-BASEMENT FLOOR PLAN**

- LEGEND**
- SAMPLE LOCATION
  - POSITIVE SAMPLE LOCATION
  - ASBESTOS-CONTAMINATED SOIL

Revisions	Dates

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



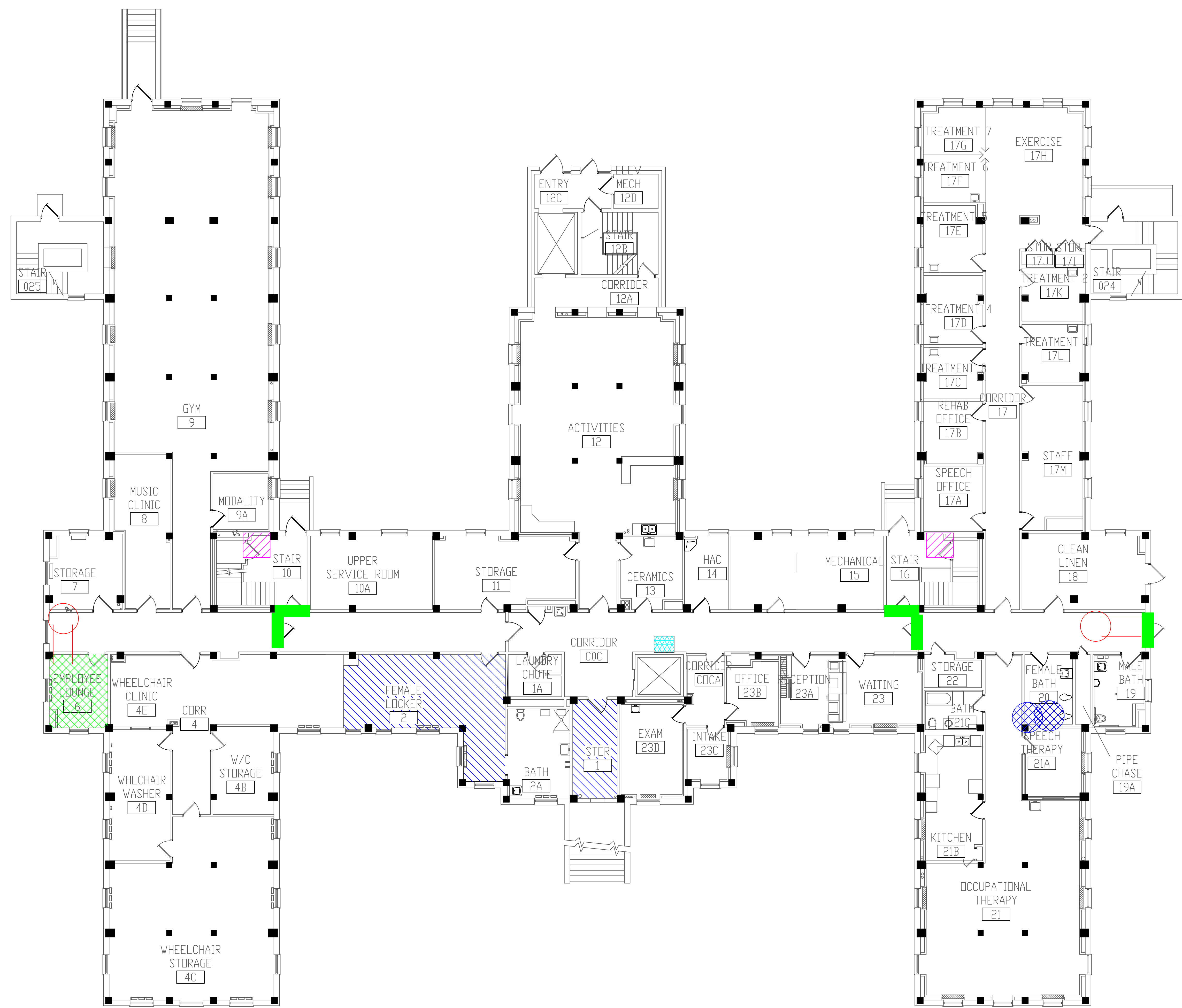
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 51 Scale: 1/8" = 1'-0"</b>
Approved : Division Chief	
Approved : Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	051	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet	56 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

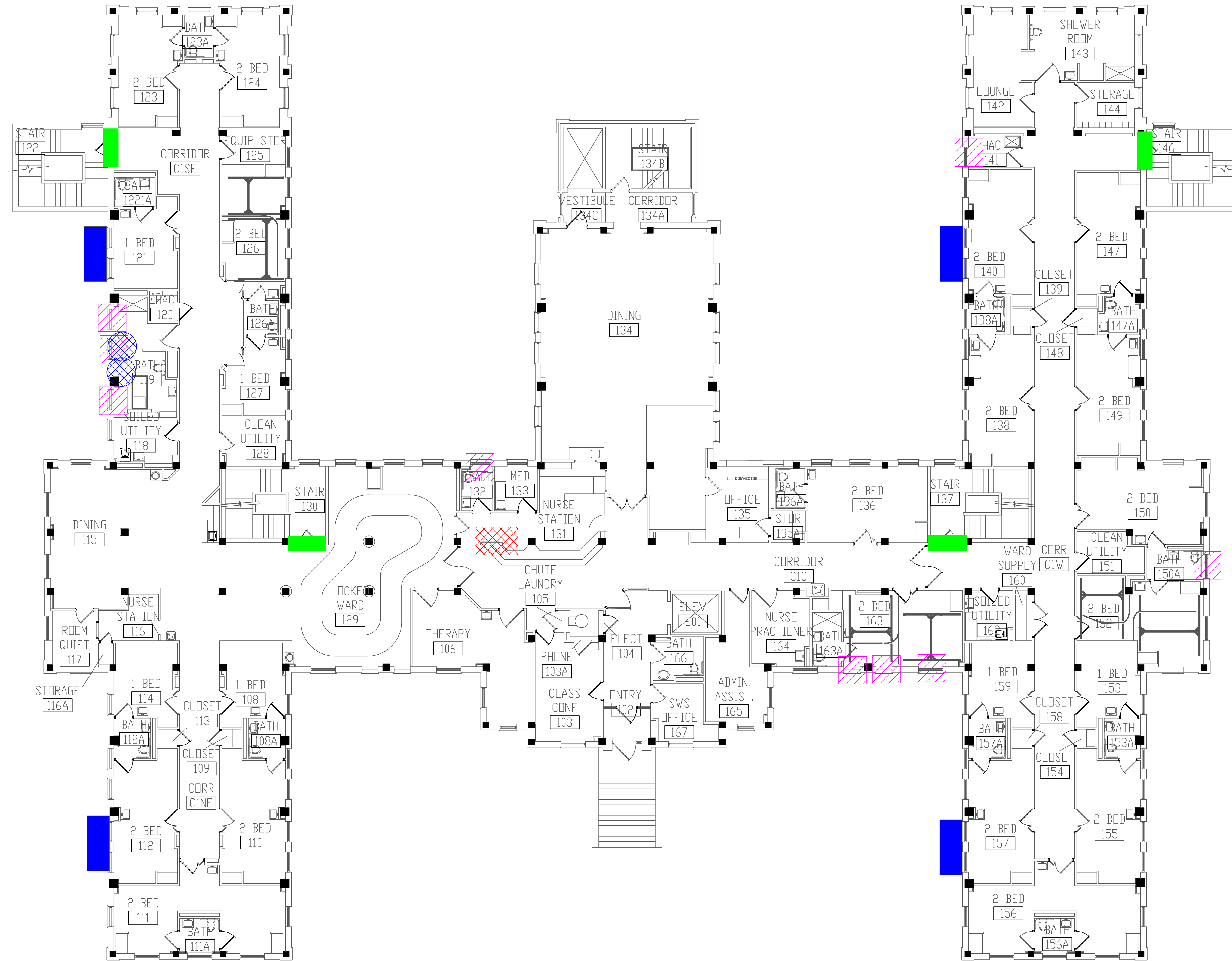


- LEGEND**
- ASBESTOS-CONTAINING PIPE INSULATION (VERTICAL RISERS)
  - ASBESTOS-CONTAINING PIPE INSULATION (HORIZONTAL RUNS)
  - ASBESTOS-CONTAINING FIRE DOOR
  - ASBESTOS-CONTAINING MASTIC UNDER 12"x12" FLOOR TILE
  - ASBESTOS-CONTAINING MASTIC UNDER FLOOR TILE AND CARPET
  - ASBESTOS-CONTAINING WHITE PAPER IN ELECTRICAL BOX
  - ASBESTOS-CONTAINING TRANSITE INSIDE CONVECTOR

**BUILDING #51 - BASEMENT FLOOR PLAN**




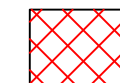

<p>Revisions</p> <table border="1" style="width: 100%; height: 50px;"> <tr><td style="width: 50px;"> </td><td> </td></tr> </table>			<p>ENVIRONMENTAL CONSULTANT:  <b>CASTLE HILL ASSOCIATES, LLC.</b>        219-A MECHANIC STREET,        WATERVILLE, OHIO 43566        Tel: (567) 952-0212</p>	<p><b>CASTLE HILL ASSOCIATES</b></p>	<p>Professional Seal:</p>	<p>North:</p>	<p>Drawing Title</p> <p style="text-align: center;"><b>ARCHITECTURAL PLAN        BUILDING 51        Scale: 1/8" = 1'-0"</b></p> <p>Approved: Division Chief</p> <p>Approved: Service Director</p>	<p>Project Title</p> <p style="text-align: center;"><b>FACILITY ASBESTOS RE-SURVEY        VETERANS ADMINISTRATION        MEDICAL CENTER        ST. CLOUD, MINNESOTA</b></p> <p>Building Number: <b>051</b></p> <p>Location: <b>ST. CLOUD, MINNESOTA</b></p>	<p>Date</p> <p style="text-align: center;"><b>NOVEMBER 2019</b></p> <p>Project No. <b>36C26319P1003</b></p> <p>Drawing No. <b>2A</b></p> <p style="text-align: right; font-size: small;">Sheet 57 of 71</p>		

three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



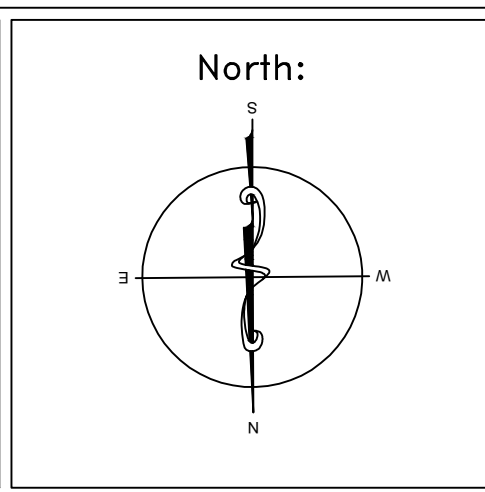
**BUILDING #51 - FIRST FLOOR PLAN**

**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

Revisions	Dates

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



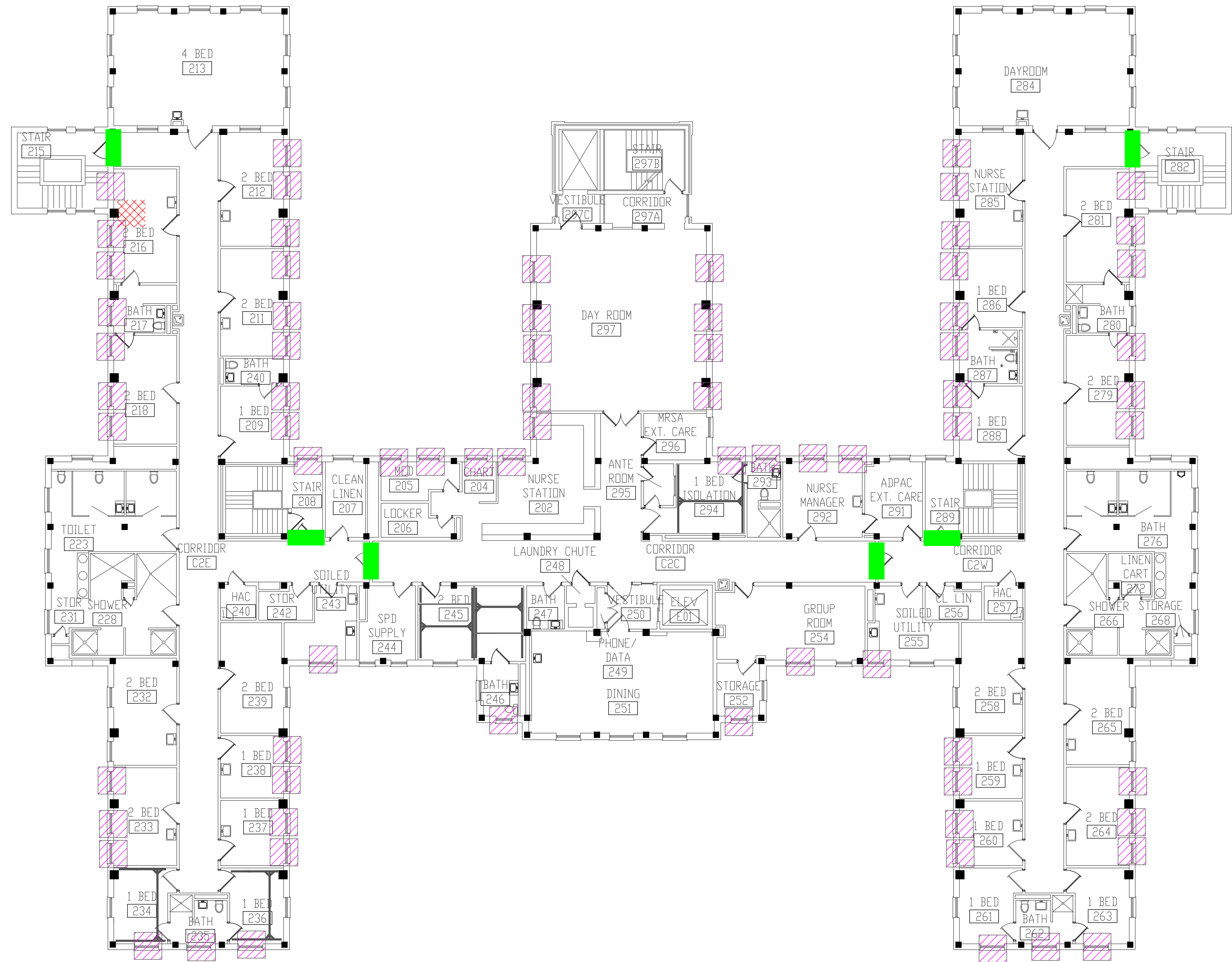
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 51 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	051	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

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



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

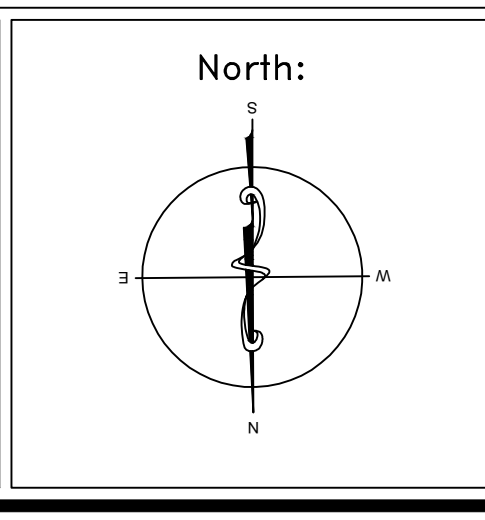


**BUILDING #51 - SECOND FLOOR PLAN**

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

Revisions	Dates

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



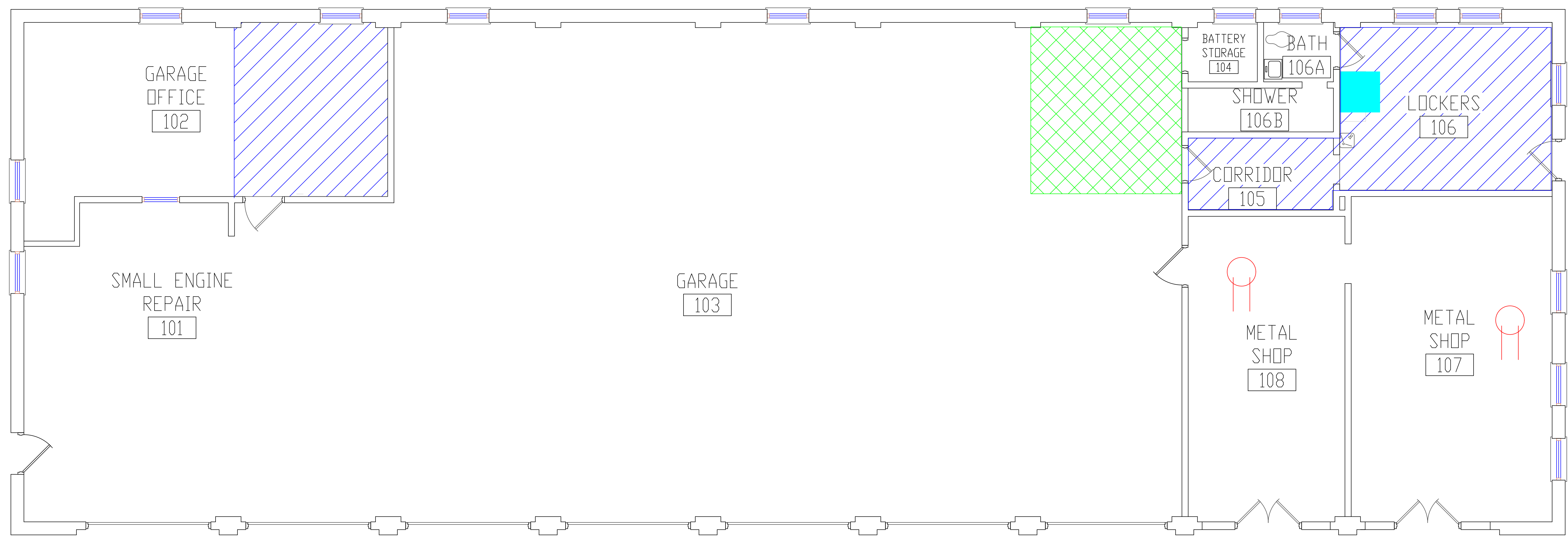
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 51 Scale: 1/8" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	051	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		





Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	4A
Sheet	59 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

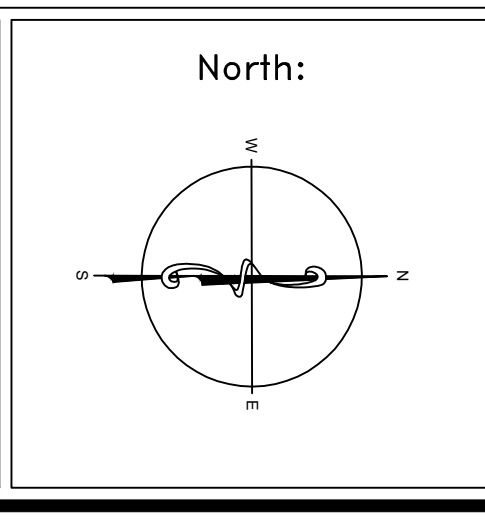


**BUILDING #54 - FIRST FLOOR PLAN**

- 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

Revisions	Dates

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



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

Approved: Division Chief  
 Approved: Service Director

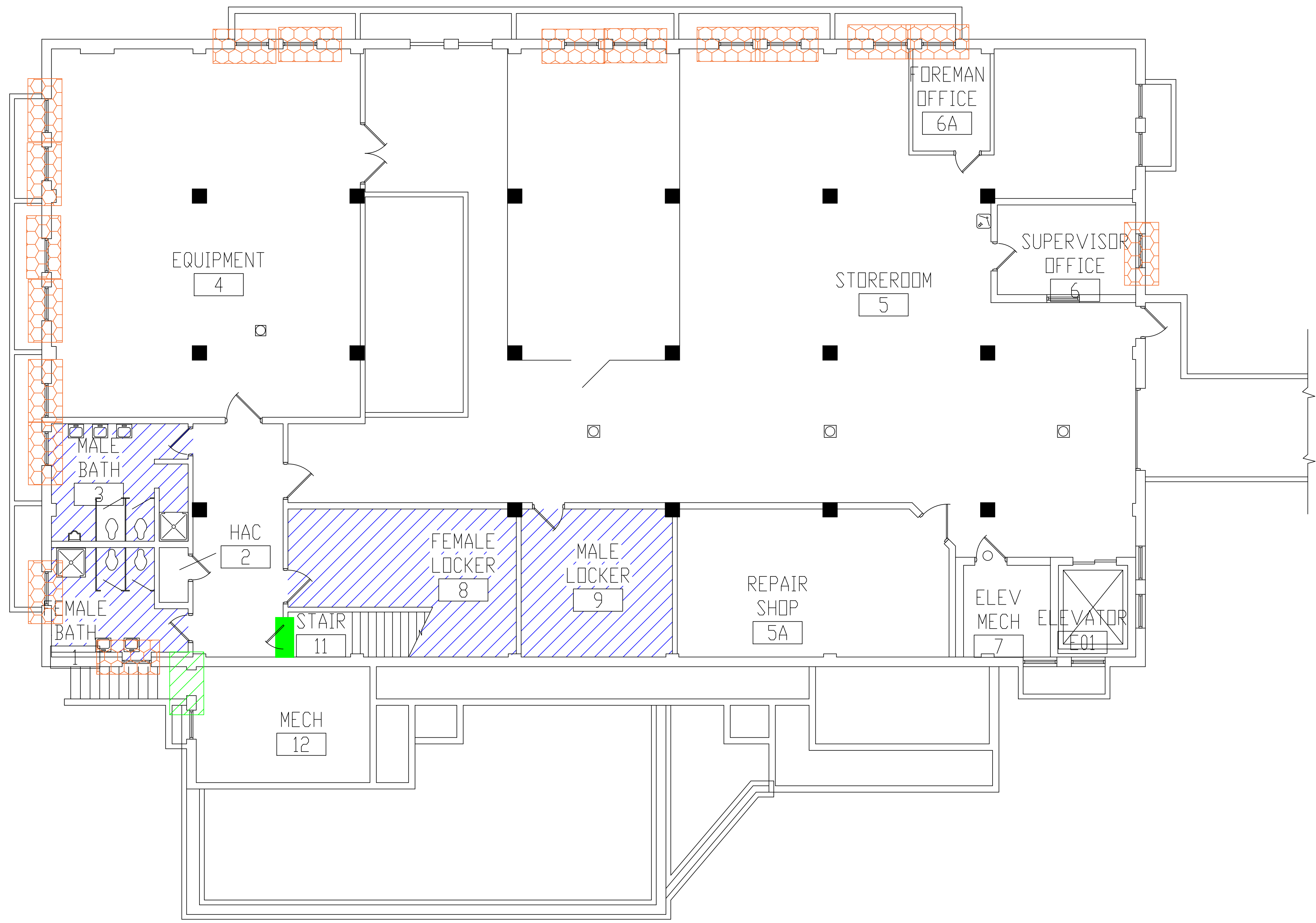
Project Title  
**FACILITY ASBESTOS RE-SURVEY**  
**VETERANS ADMINISTRATION**  
**MEDICAL CENTER**  
**ST. CLOUD, MINNESOTA**

Building Number: **054**  
 Checked: **BLB**  
 Drawn: **AFS**  
 Location: **ST. CLOUD, MINNESOTA**


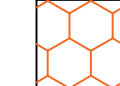
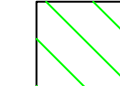
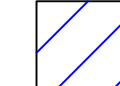
Date: **NOVEMBER 2019**  
 Project No.: **36C26319P1003**  
 Drawing No.: **1A**  
 Sheet 60 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



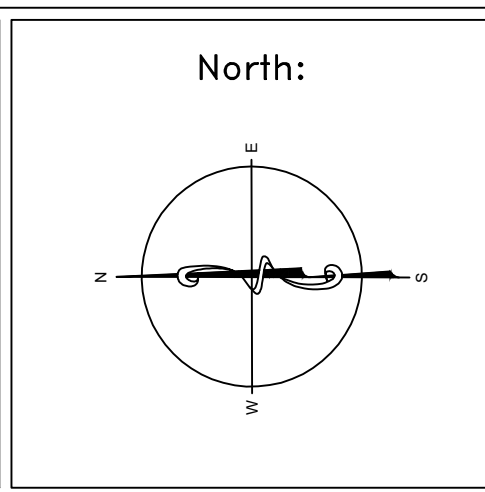
**LEGEND**

-  -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.**  
 219-A MECHANIC STREET,  
 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



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**

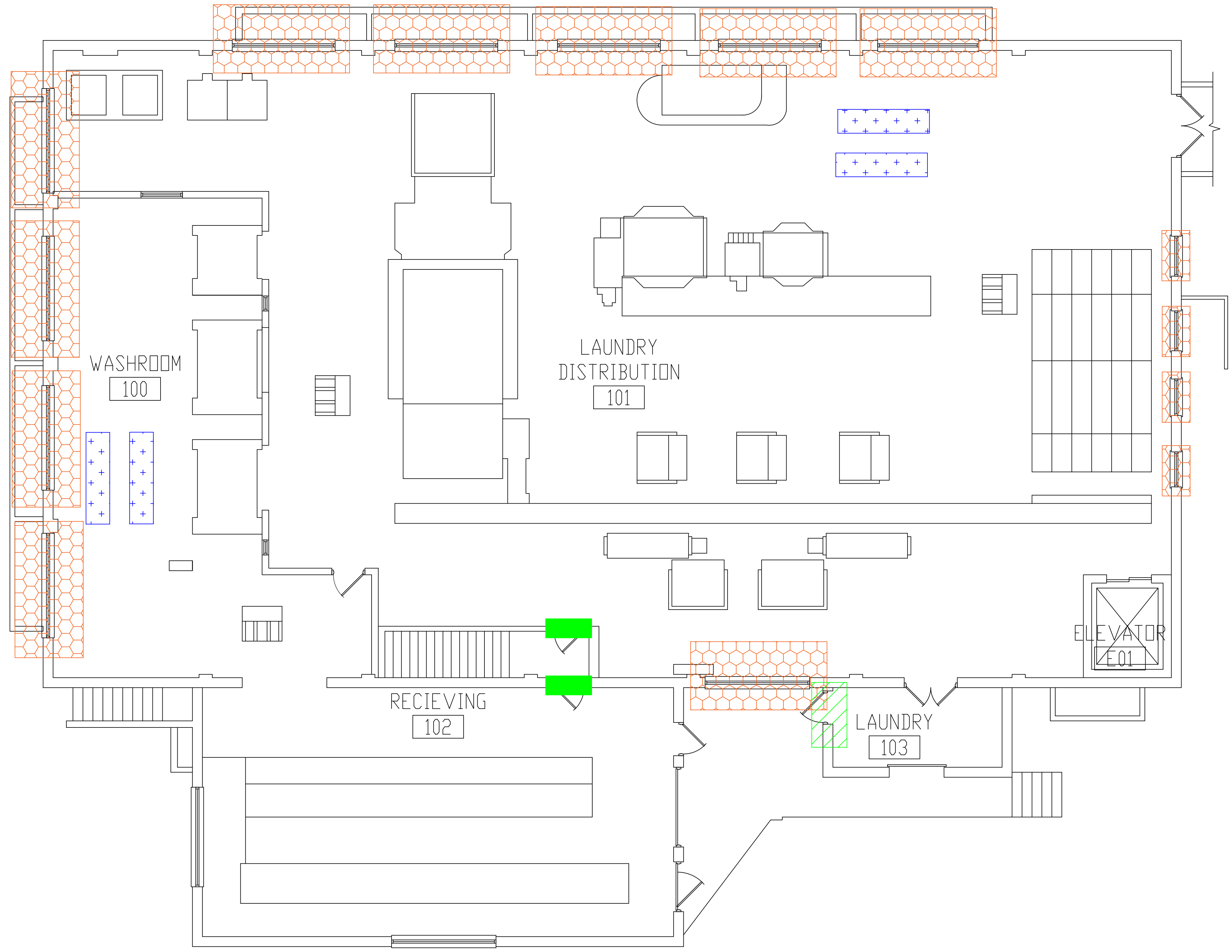
Drawing No.  
**1A**

Sheet 61 of 71









three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

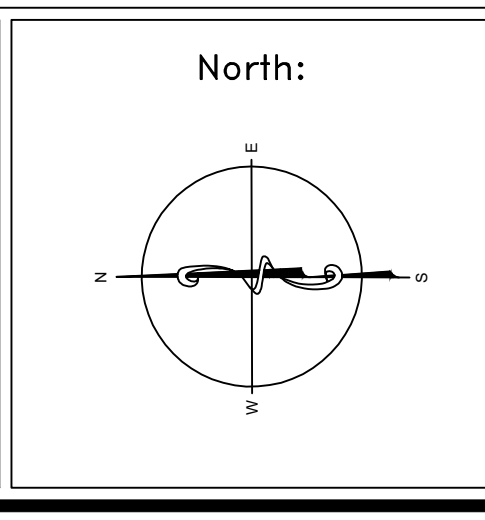


**BUILDING #59 - FIRST FLOOR PLAN**

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

Revisions	Dates

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



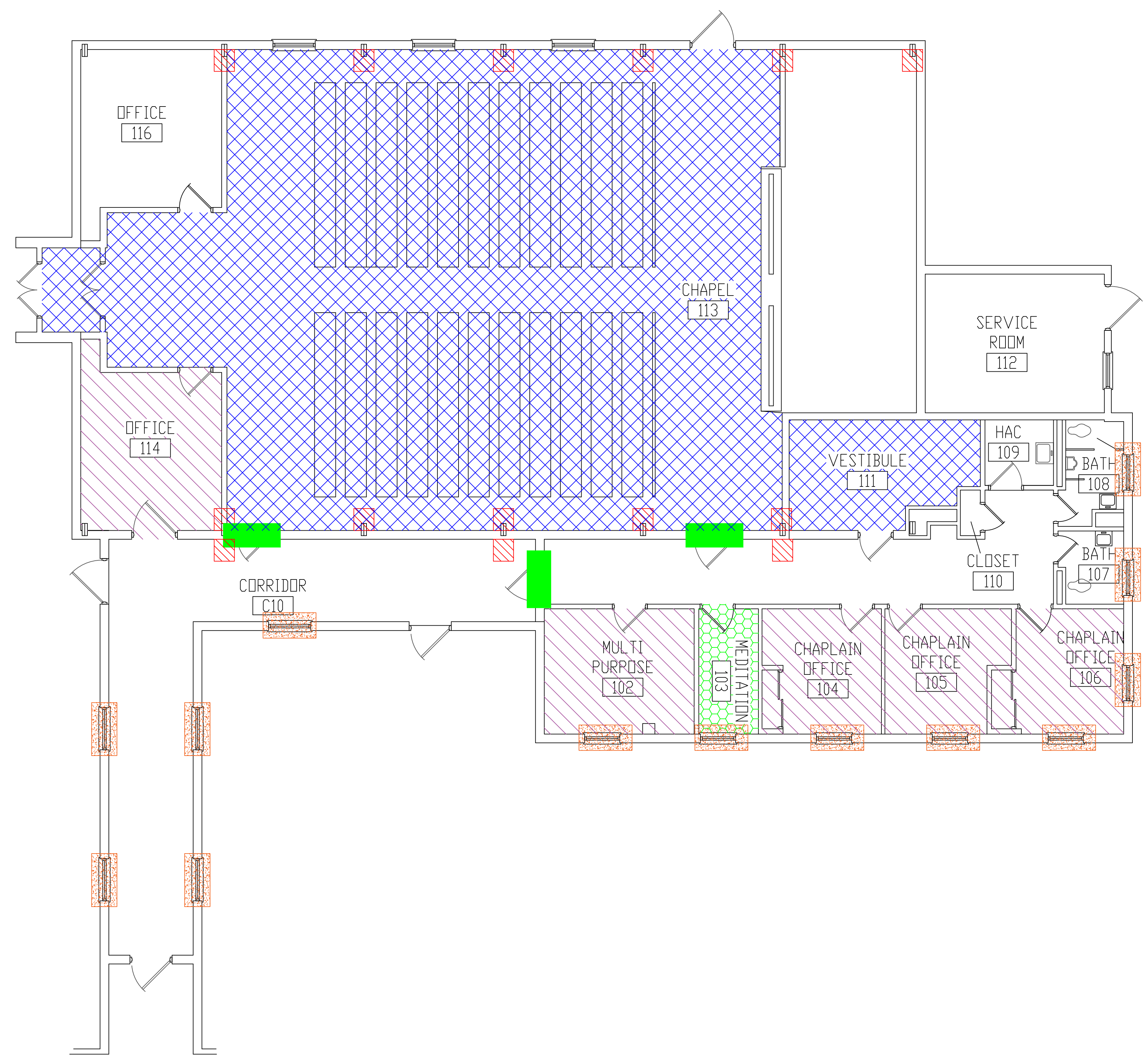
Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 59          Scale: 1/4" = 1'-0"</b>
Approved: Division Chief  Approved: Service Director

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>059</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>2A</b>
Sheet 62 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

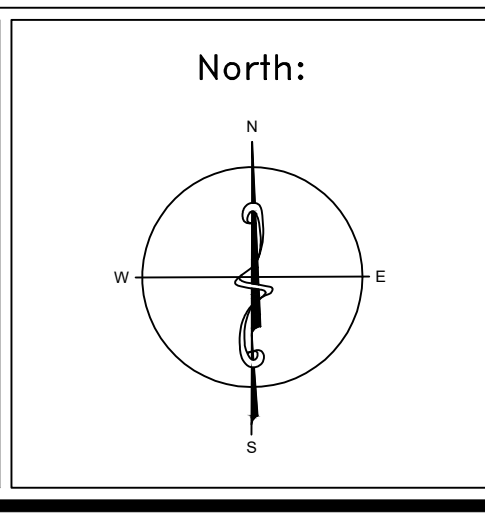


**BUILDING #88 - GROUND FLOOR PLAN**

- 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

Revisions	Dates

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



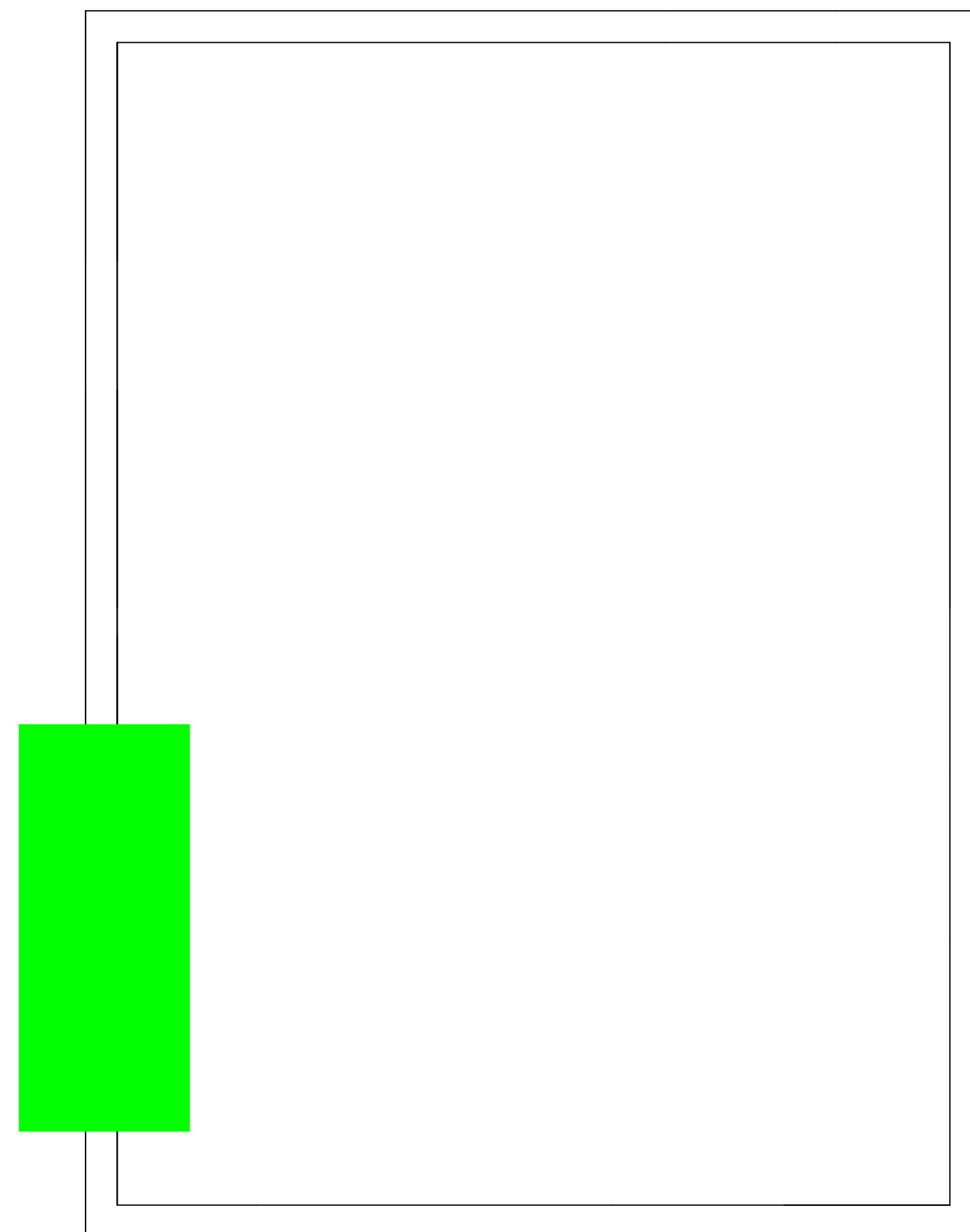
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 88 Scale: 1/4" = 1'-0"</b>
Approved: Division Chief	
Approved: Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	088	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

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



0  
 three inches = one foot  
 1  
 one and one-half inches = one foot  
 2  
 one inch = one foot  
 3  
 three-quarters inch = one foot  
 4  
 one-half inch = one foot  
 5  
 three-eighths inch = one foot  
 6  
 one-quarter inch = one foot  
 7  
 one-eighth inch = one foot

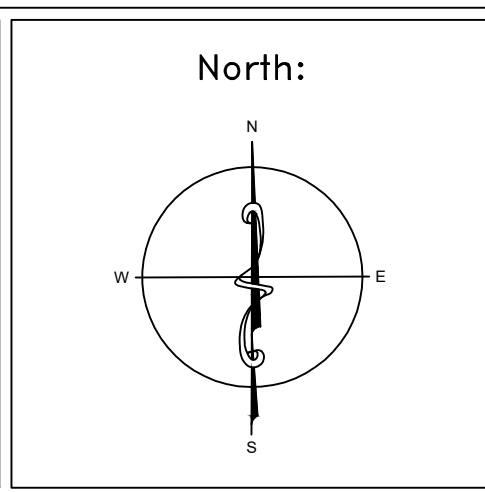


**BUILDING #91 - FIRST FLOOR PLAN**

**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



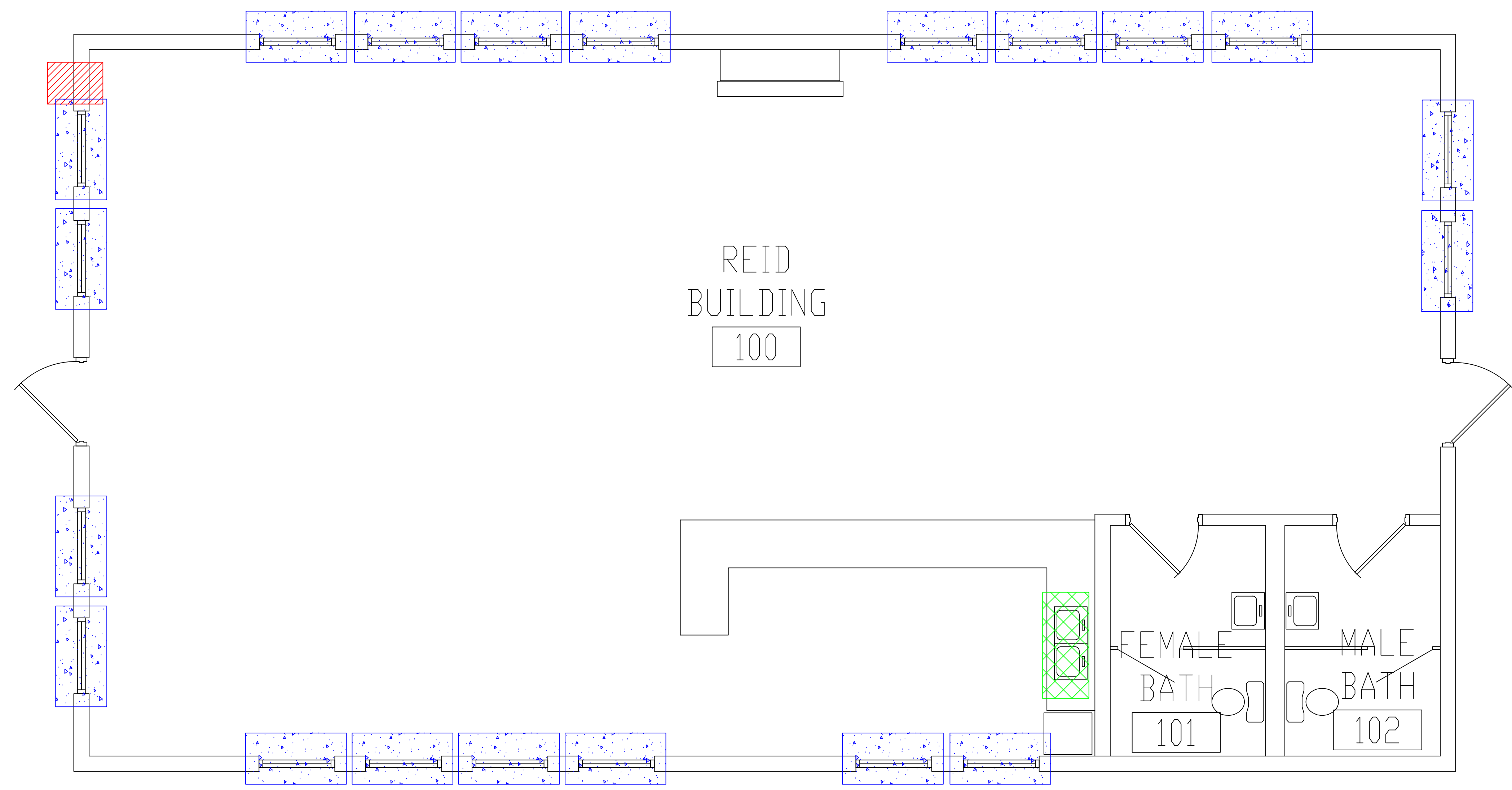
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 91 Scale: 1/4" = 1'-0"</b>	
Approved : Division Chief		
Approved : Service Director		

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	Checked	Drawn	
<b>091</b>	<b>BLB</b>	<b>AFS</b>	
Location	<b>ST. CLOUD, MINNESOTA</b>		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet	64 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

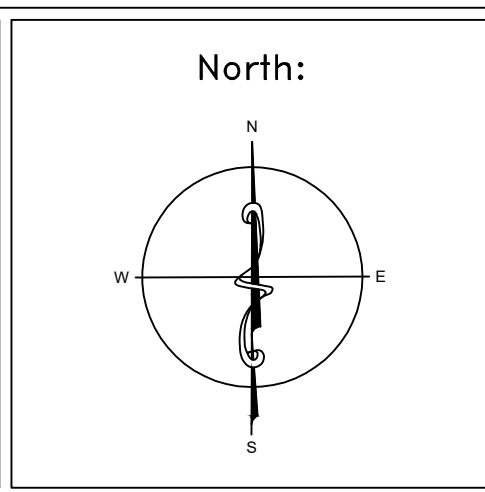


**BUILDING #92 - FIRST FLOOR PLAN**

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

Revisions	Dates

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



Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 92          Scale: 1/2" = 1'-0"</b>	
Approved: Division Chief	
Approved: Service Director	

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number	Checked	Drawn
<b>092</b>	<b>BLB</b>	<b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date	<b>NOVEMBER 2019</b>
Project No.	<b>36C26319P1003</b>
Drawing No.	<b>1A</b>
Sheet 65 of 71	



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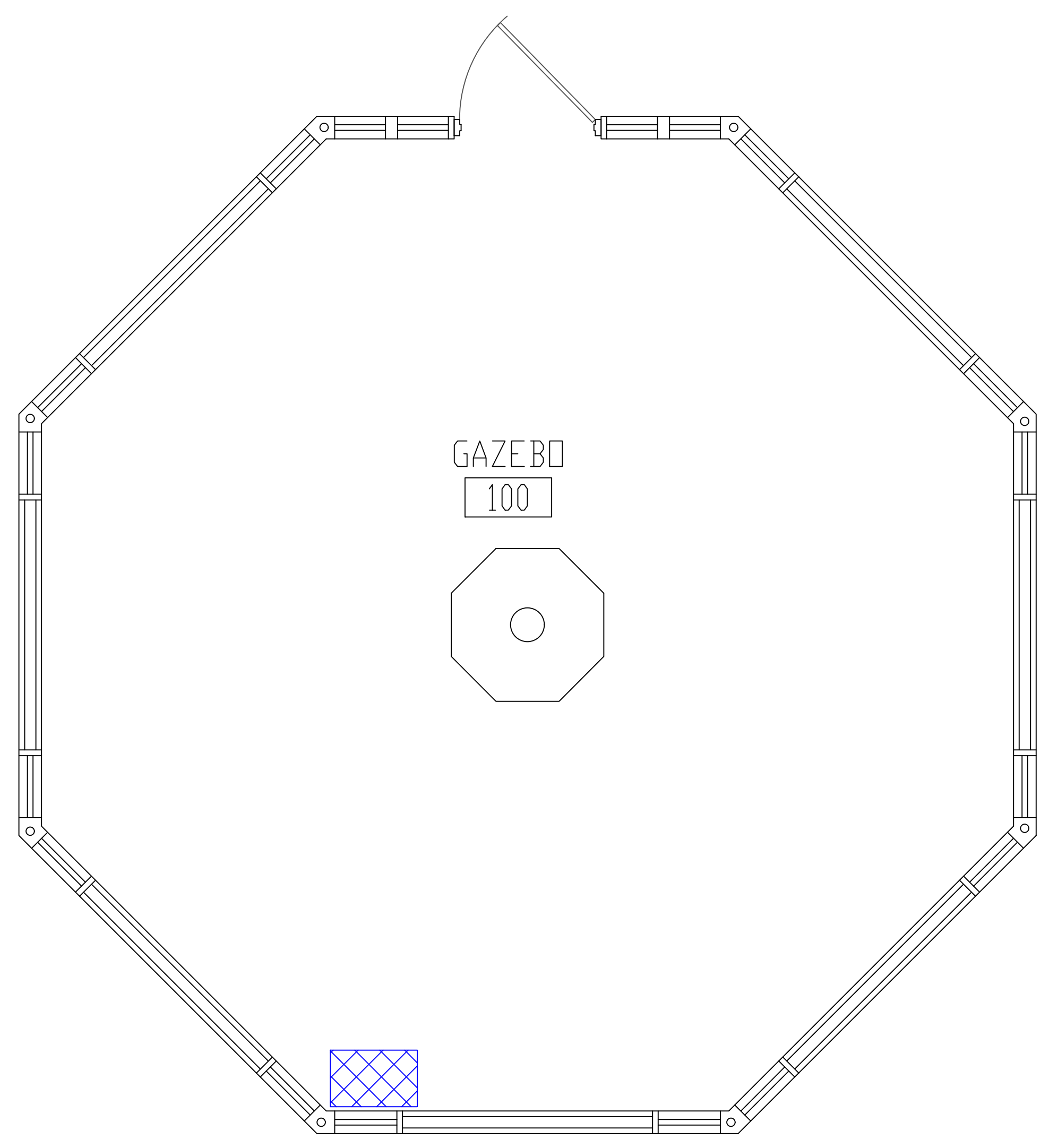
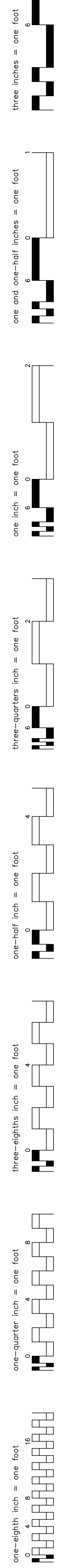
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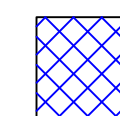
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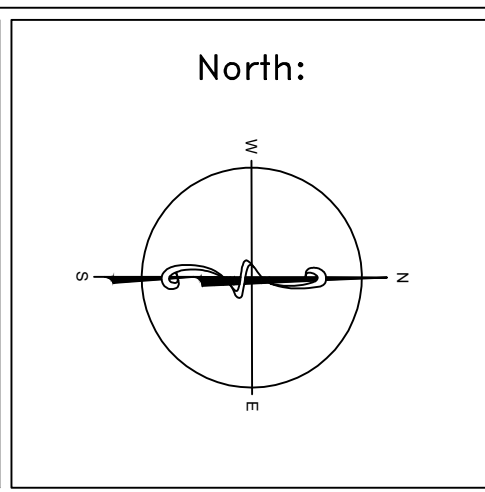
**BUILDING #93 - GROUND FLOOR PLAN**

**LEGEND**

 -ASBESTOS-CONTAINING SINK UNDERCOATING

Revisions	Dates

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



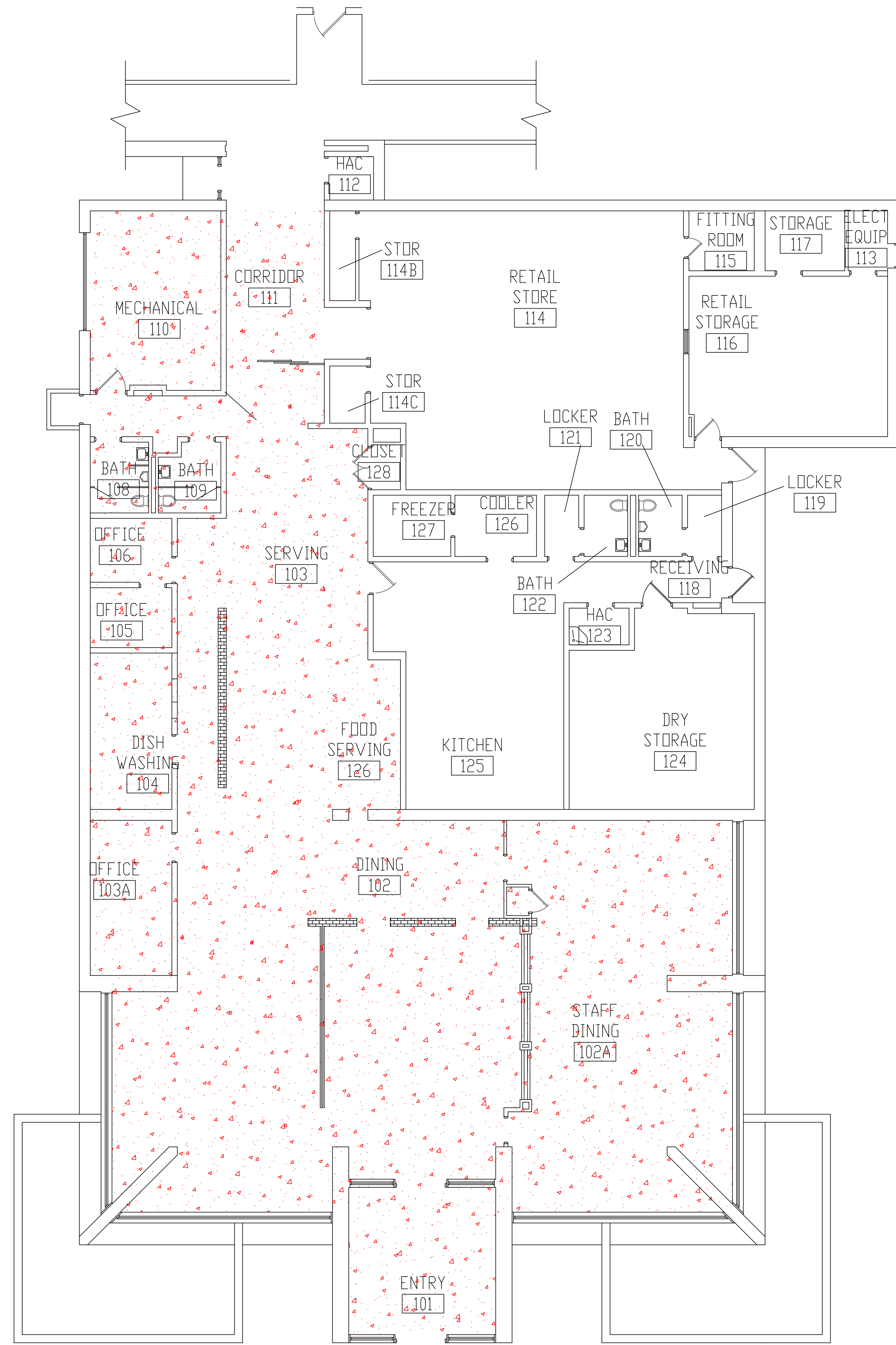
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 93 Scale: 1/2" = 1'-0"</b>
Approved : Division Chief	
Approved : Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	093	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	1A
Sheet	66 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot



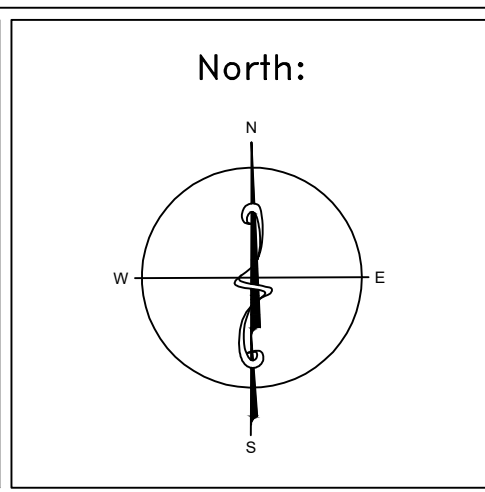
**BUILDING #95 - GROUND FLOOR PLAN**

**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



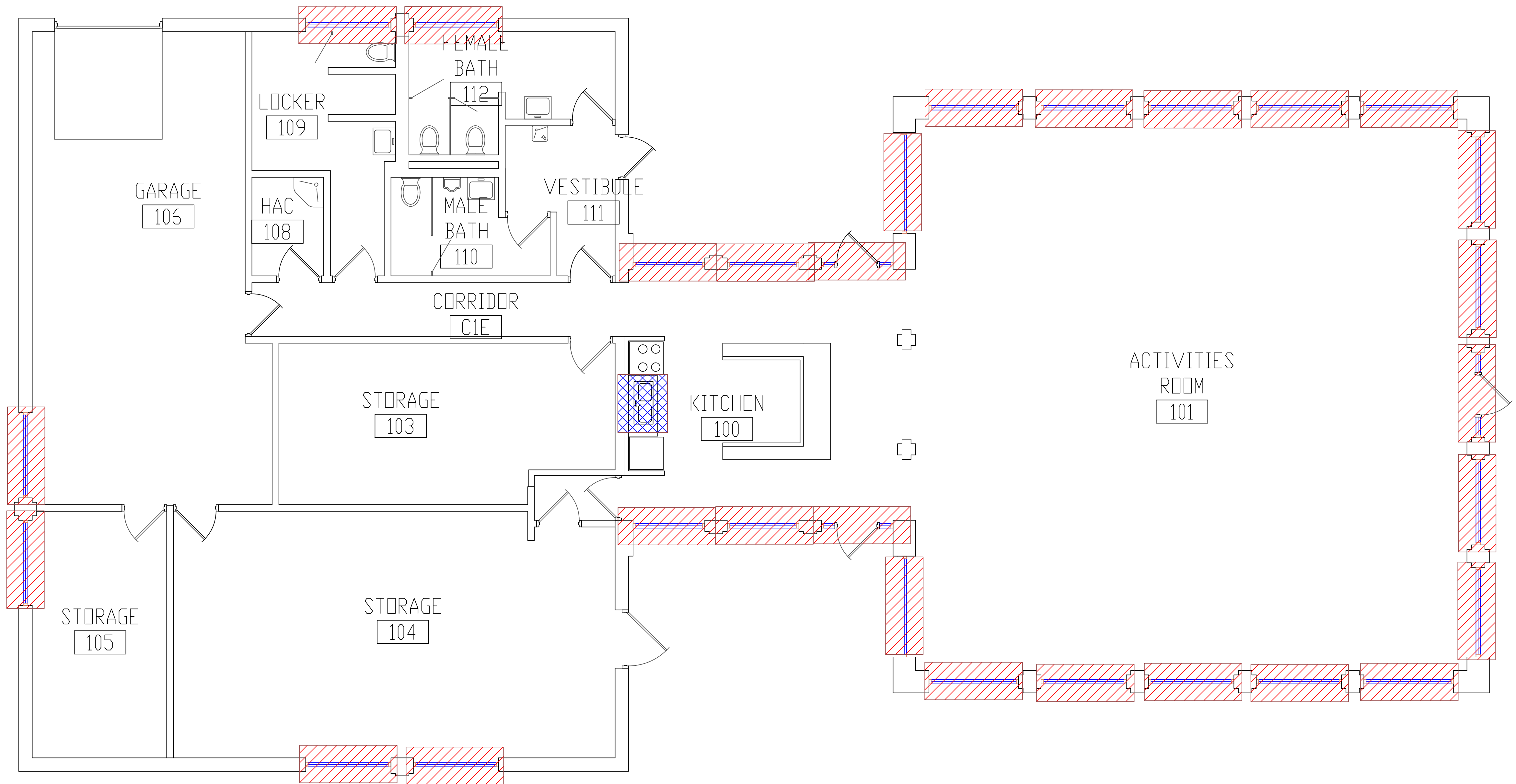
Drawing Title	<b>ARCHITECTURAL PLAN BUILDING 95 Scale: 1/4" = 1'-0"</b>
Approved : Division Chief	
Approved : Service Director	

Project Title	<b>FACILITY ASBESTOS RE-SURVEY VETERANS ADMINISTRATION MEDICAL CENTER ST. CLOUD, MINNESOTA</b>		
Building Number	095	Checked	BLB
Drawn	AFS		
Location	ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	1A
Sheet	67 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

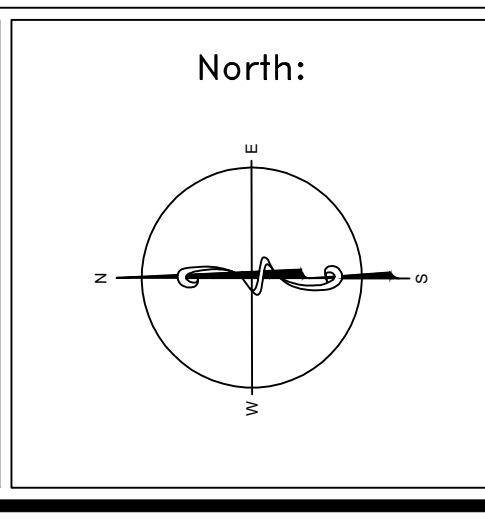


**BUILDING #96 - FIRST FLOOR PLAN**

- LEGEND**
- ASBESTOS-CONTAINING WINDOW CAULK
  - ASBESTOS-CONTAINING SINK UNDERCOATING

Revisions	Dates

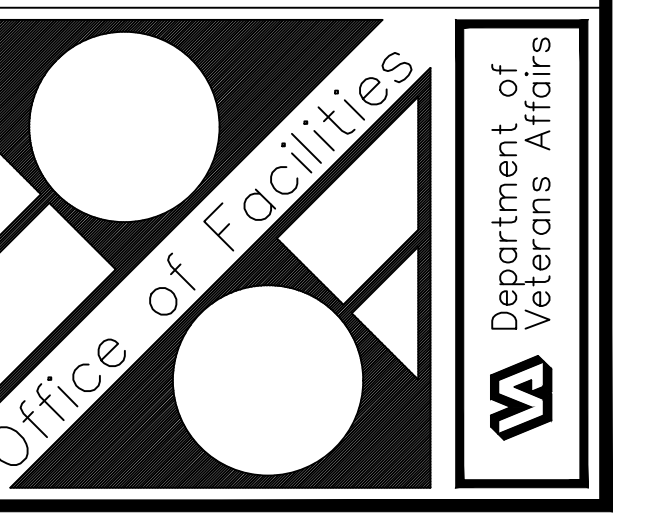
ENVIRONMENTAL CONSULTANT:  
**CASTLE HILL ASSOCIATES, LLC.**  
 218-A MECHANIC STREET,  
 WATERVILLE, OHIO 43566  
 Tel: (567) 952-0212



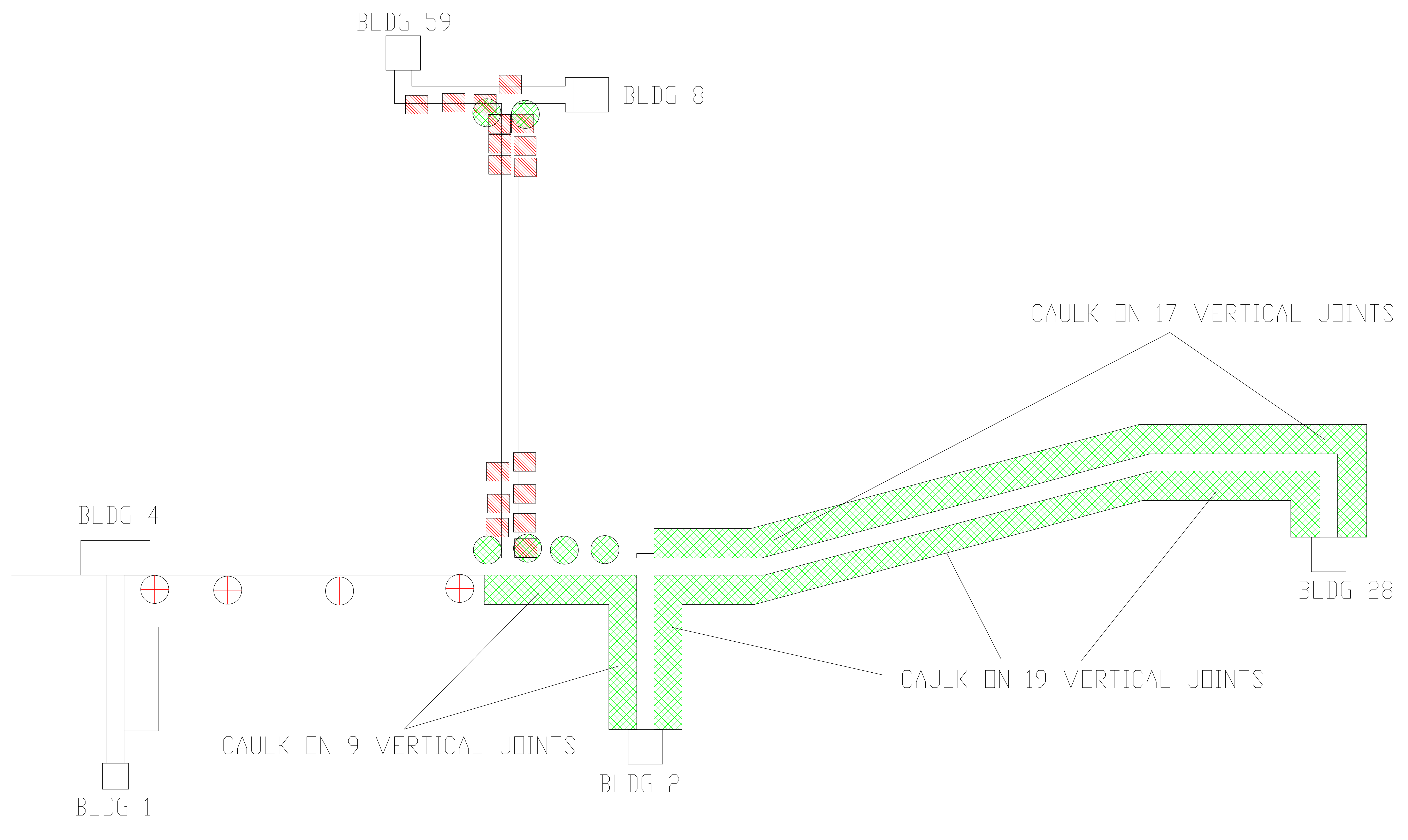
Drawing Title <b>ARCHITECTURAL PLAN          BUILDING 96          Scale: 1/4" = 1'-0"</b>
Approved: Division Chief Approved: Service Director

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number <b>096</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>		

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>1A</b>
Sheet 68 of 71



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

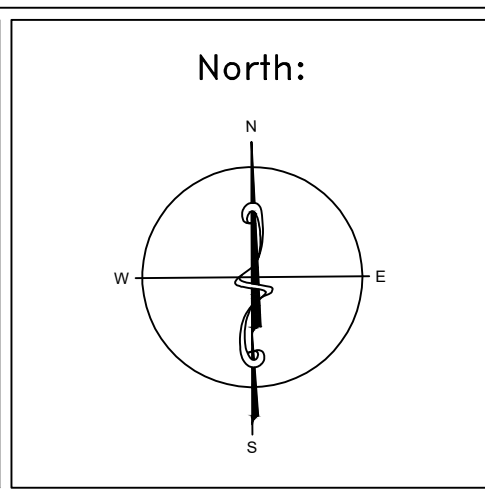


**CORRIDORS - EAST SIDE**

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

Revisions	Dates

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



Drawing Title <b>ARCHITECTURAL PLAN          BUILDING CORRIDORS</b> Scale: 1/16" = 1'-0"
Approved : Division Chief Approved : Service Director

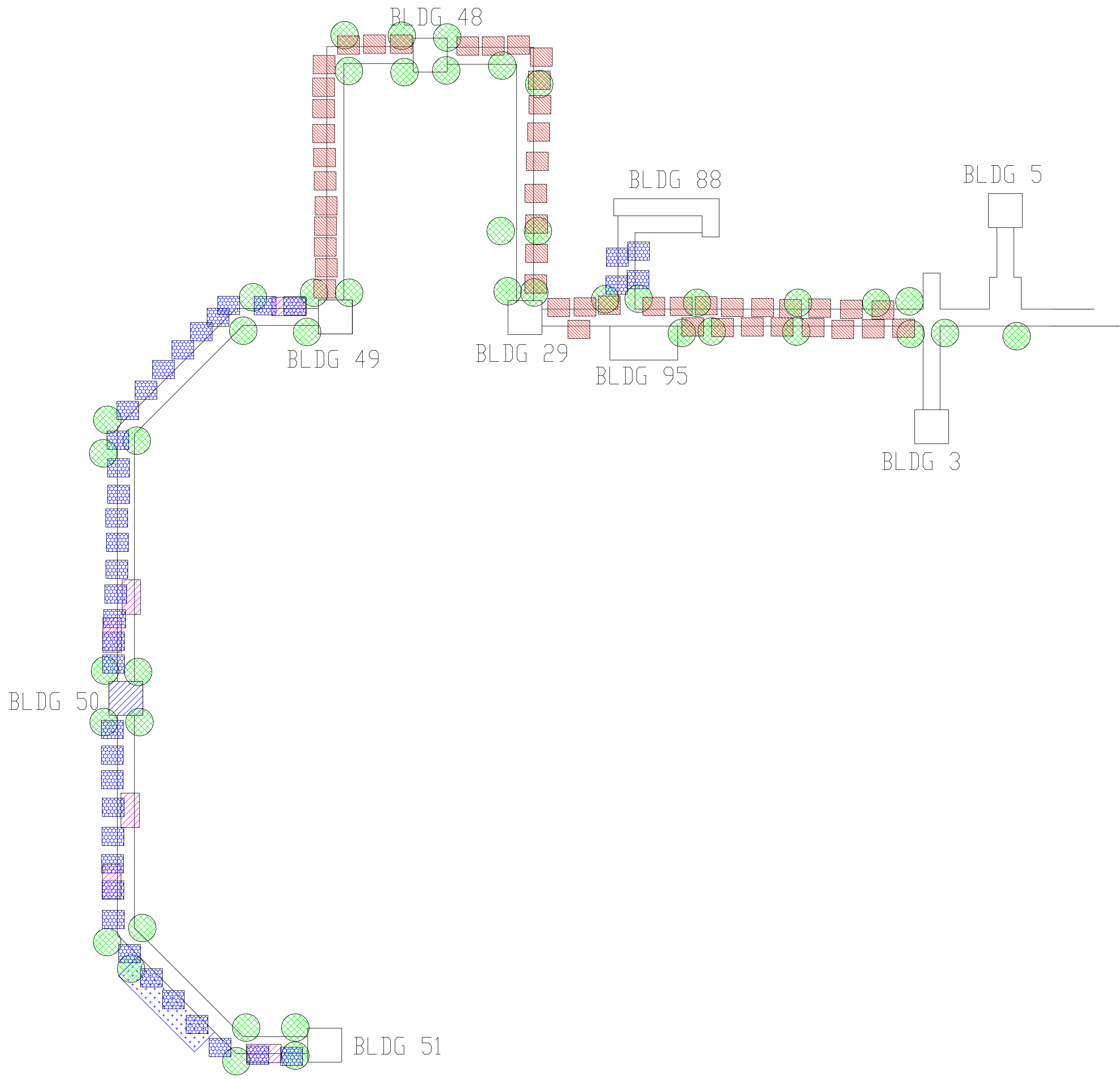
Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>	Building Number <b>COR</b>	Checked <b>BLB</b>	Drawn <b>AFS</b>
Location <b>ST. CLOUD, MINNESOTA</b>			

Date <b>NOVEMBER 2019</b>
Project No. <b>36C26319P1003</b>
Drawing No. <b>1A</b>
Sheet 69 of 71





three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
 one-eighth inch = one foot

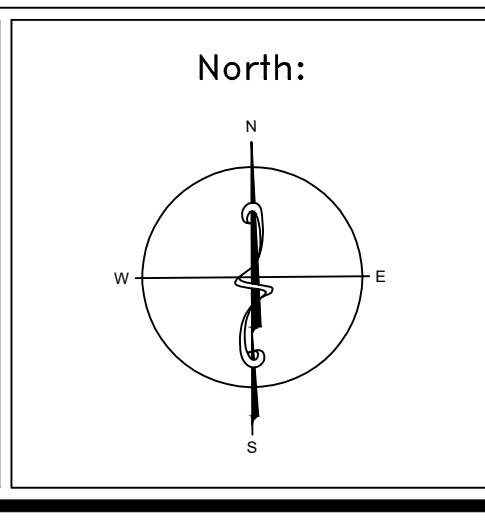


**CORRIDORS - WEST SIDE**

- 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

Revisions	Dates

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



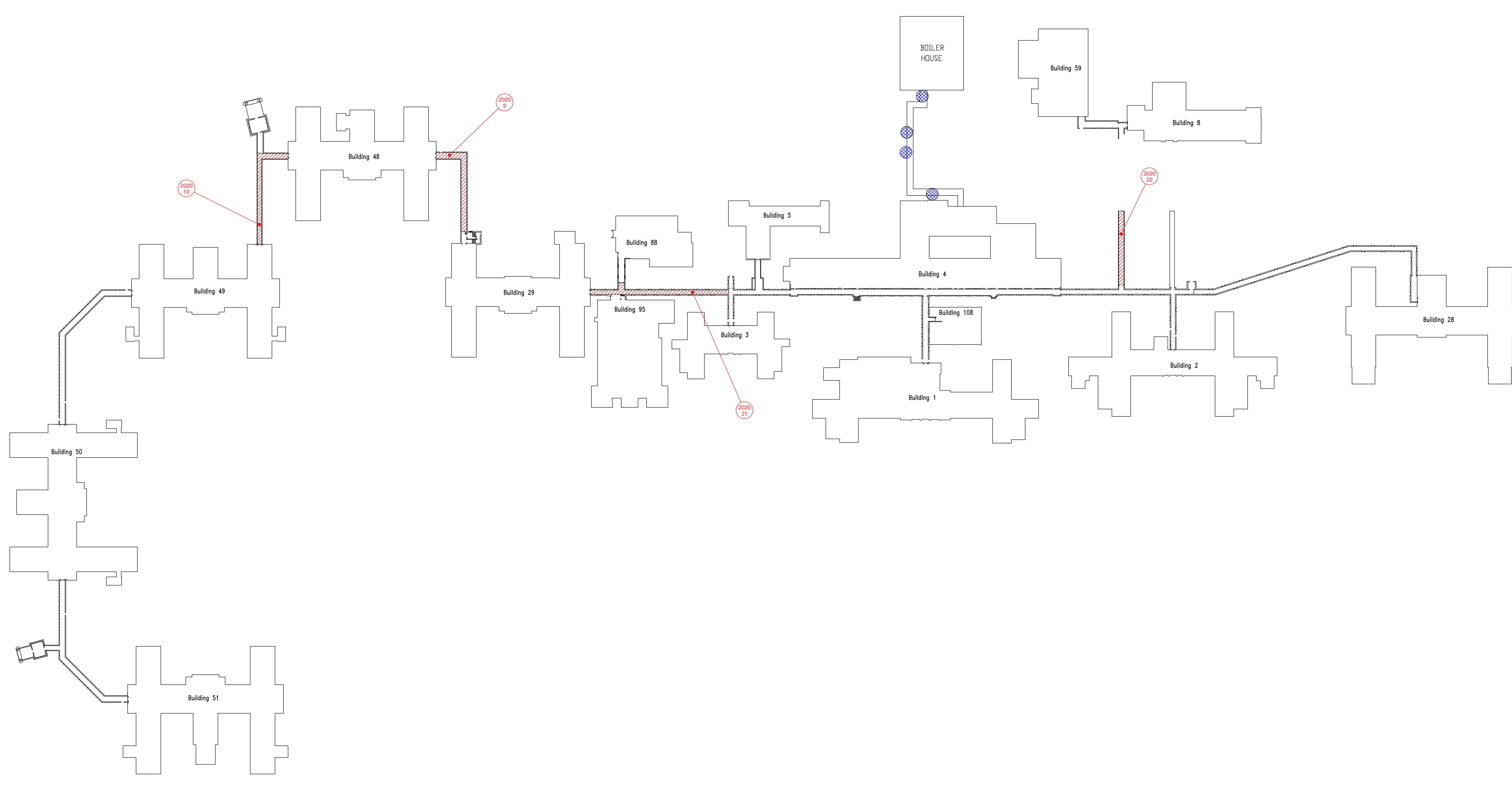
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Approved: Division Chief	
Approved: Service Director	

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number	Checked	Drawn
COR	BLB	AFS
Location		
ST. CLOUD, MINNESOTA		

Date	NOVEMBER 2019
Project No.	36C26319P1003
Drawing No.	1A
Sheet 70 of 71	



three inches = one foot  
 one and one-half inches = one foot  
 one inch = one foot  
 three-quarters inch = one foot  
 one-half inch = one foot  
 three-eighths inch = one foot  
 one-quarter inch = one foot  
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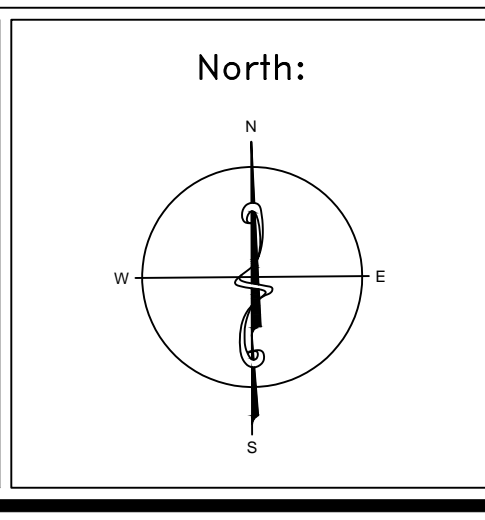


### STEAM TUNNELS

- LEGEND**
- SAMPLE LOCATION
  - POSITIVE SAMPLE LOCATION
  - ASBESTOS-CONTAINING PIPE FITTINGS
  - ASBESTOS-CONTAMINATED SOIL

Revisions	Dates

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



Drawing Title <b>ARCHITECTURAL PLAN          BUILDING STEAM TUNNELS</b> Scale: 1/64" = 1'-0"	
Approved: Division Chief	
Approved: Service Director	

Project Title <b>FACILITY ASBESTOS RE-SURVEY          VETERANS ADMINISTRATION          MEDICAL CENTER          ST. CLOUD, MINNESOTA</b>		
Building Number	Checked	Drawn
TUN	BLB	AFS
Location		
ST. CLOUD, MINNESOTA		

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



## **APPENDIX E**

### **ASBESTOS BULK SAMPLING INFORMATION**

## 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**



# 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](mailto:cinnasblab@EMSL.com)

<b>EMSL Order:</b> 042016926
<b>Customer ID:</b> CHAS42
<b>Customer PO:</b> VASC
<b>Project ID:</b>

<b>Attention:</b> Brett Brumbaugh Castle Hill Associates, LLC 218-A Mechanic St. Waterville, OH 43566	<b>Phone:</b> (567) 952-0212 <b>Fax:</b> <b>Received Date:</b> 07/16/2020 9:40 AM <b>Analysis Date:</b> 07/19/2020 <b>Collected Date:</b> 07/13/2020
<b>Project:</b> St. Cloud VAMC	

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

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



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

042016926

RECEIVED  
Ann Arbor, MI 48103  
PHONE: (734) 668-6810  
2020 JUL 15 AM 9:55  
(734) 668-8532

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: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> 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: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> 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.

<p><b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY</p> <p><input type="checkbox"/> NIOSH 7400</p> <p><input type="checkbox"/> w/ OSHA 8hr. TWA</p> <p><b>PLM - Bulk (reporting limit)</b></p> <p><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (&lt;1%)</p> <p><input type="checkbox"/> PLM EPA NOB (&lt;1%)</p> <p>Point Count</p> <p><input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p>Point Count w/Gravimetric</p> <p><input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p><input type="checkbox"/> NYS 198.1 (friable in NY)</p> <p><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)</p> <p><input type="checkbox"/> NYS 198.8 SOF-V</p> <p><input type="checkbox"/> NIOSH 9002 (&lt;1%)</p>	<p><b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)</p> <p><input type="checkbox"/> AHERA 40 CFR, Part 763</p> <p><input type="checkbox"/> NIOSH 7402</p> <p><input type="checkbox"/> EPA Level II</p> <p><input type="checkbox"/> ISO 10312</p> <p><b>TEM - Bulk</b></p> <p><input type="checkbox"/> TEM EPA NOB</p> <p><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)</p> <p><input type="checkbox"/> Chatfield SOP</p> <p><input type="checkbox"/> TEM Mass Analysis-EPA-600 sec-2.5</p> <p><b>TEM - Water:</b> EPA 100.2</p> <p>Fibers &gt;10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p> <p>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p>	<p><b>TEM-Dust</b></p> <p><input type="checkbox"/> Microvac - ASTM D 5755</p> <p><input type="checkbox"/> Wipe - ASTM D6480</p> <p><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)</p> <p><b>Soil/Rock/Vermiculite</b></p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (&lt;1%)</p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (&lt;0.25%)</p> <p><input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (&lt;0.1%)</p> <p><input type="checkbox"/> TEM Qualitative via Filtration Prep</p> <p><input type="checkbox"/> TEM Qualitative via Drop Mount Prep</p> <p><input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)</p> <p><b>Other:</b></p> <p><input type="checkbox"/></p>
---	---	---

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
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):		Date:	7-15-20
Received (Lab):		Date:	7-16-20
Comments/Special Instructions:			



# EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>

[cinnaslab@EMSL.com](mailto:cinnaslab@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	<b>Chrysotile</b> <b>Amosite</b>	
2 042016873-0002	Building 1 - Crawl Soil	Brown Non-Fibrous Homogeneous	<b>Chrysotile</b>	
3 042016873-0003	Building 1 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Crocidolite</b>	
4 042016873-0004	Building 28 - Crawl Soil	Brown Non-Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
5 042016873-0005	Building 28 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
6 042016873-0006	Building 28 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
7 042016873-0007	Building 2 - Crawl Soil	Brown Non-Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
8 042016873-0008	Building 2 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
9 042016873-0009	Building 29-48 - Tunnel Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	

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>[cinnaslab@EMSL.com](mailto:cinnaslab@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	<b>Chrysotile</b> <b>Amosite</b>	
11 042016873-0011	Building 49 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
12 042016873-0012	Building 49 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
13 042016873-0013	Building 49 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
14 042016873-0014	Building 49 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
15 042016873-0015	Building 50 - Crawl Soil	Brown Non-Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
16 042016873-0016	Building 50 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
17 042016873-0017	Building 50 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
18 042016873-0018	Building 51 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	

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>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order: 042016873

CustomerID: CHAS42

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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	<b>Chrysotile</b> <b>Amosite</b>	
20 042016873-0020	Building 51 - Crawl Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
21 042016873-0021	Building 3-29 - Tunnel Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	
22 042016873-0022	Building 2-8 - Tunnel Soil	Brown Fibrous Homogeneous	<b>Chrysotile</b> <b>Amosite</b>	

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.  
LABORATORY PRODUCTS TRAINING

**Asbestos Chain of Custody**  
EMSL Order Number (Lab Use Only):

042016873

EMSL Analytical, Inc.  
212 South Wagner Road

RECEIVED  
Ann Arbor, MI 48103  
PHONE: (734) 668-6810  
FAX: (734) 668-8532  
2020 JUN 18 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: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> 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: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> 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.

<p><b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY</p> <p><input type="checkbox"/> NIOSH 7400</p> <p><input type="checkbox"/> w/ OSHA 8hr. TWA</p>	<p><b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)</p> <p><input type="checkbox"/> AHERA 40 CFR, Part 763</p> <p><input type="checkbox"/> NIOSH 7402</p> <p><input type="checkbox"/> EPA Level II</p> <p><input type="checkbox"/> ISO 10312</p>	<p><b>TEM- Dust</b></p> <p><input type="checkbox"/> Microvac - ASTM D 5755</p> <p><input type="checkbox"/> Wipe - ASTM D6480</p> <p><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)</p>
<p><b>PLM - Bulk (reporting limit)</b></p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 (&lt;1%)</p> <p><input type="checkbox"/> PLM EPA NOB (&lt;1%)</p> <p>Point Count</p> <p><input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p>Point Count w/Gravimetric</p> <p><input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p><input type="checkbox"/> NYS 198.1 (friable in NY)</p> <p><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)</p> <p><input type="checkbox"/> NYS 198.8 SOF-V</p> <p><input type="checkbox"/> NIOSH 9002 (&lt;1%)</p>	<p><b>TEM - Bulk</b></p> <p><input type="checkbox"/> TEM EPA NOB</p> <p><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)</p> <p><input type="checkbox"/> Chatfield SOP</p> <p><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5</p> <p><b>TEM - Water: EPA 100.2</b></p> <p>Fibers &gt;10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p> <p>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p>	<p><b>Soil/Rock/Vermiculite</b></p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (&lt;1%)</p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (&lt;0.25%)</p> <p><input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (&lt;0.1%)</p> <p><input type="checkbox"/> TEM Qualitative via Filtration Prep</p> <p><input type="checkbox"/> TEM Qualitative via Drop Mount Prep</p> <p><input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)</p> <p>Other: <i>Soil PLM Qualitative (Detect/Non-Detect)</i></p>

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
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): *[Signature]* Date: 7-15-20 Time: 0738

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

Comments/Special Instructions:



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

042016873

EMSL Analytical, Inc.  
212 South Wagner Road

RECEIVED

Ann Arbor, MI 48103

CINNAPRISON, NJ (734) 668-6810

FAX: (734) 668-8532

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		<del>02-12-20</del> 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			

## 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*



---

*Dana S. Laman*  
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

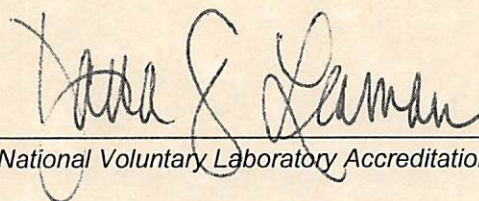
NVLAP LAB CODE 101048-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
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

<u>Code</u>	<u>Description</u>
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)**

**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](mailto: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.<sup>2</sup>, and misc. ACM/ACBM is measured as appropriate.

- Under 3 ft.<sup>2</sup>/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.<sup>2</sup>/3 linear ft. – 160 ft.<sup>2</sup>/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.<sup>2</sup>/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 placed 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.

