533 Pebble Drive
Haughton, LA 71037
PH: 318.540.6876
www.apex-enviro.com

Asbestos & Lead Inspection Report

White River Junction VA Medical Center
163 Veterans Drive
White River Junction, Vermont 05009

January 10, 2025

Prepared for

Spees Design Build
P.O. Box 791774
New Orleans, Louisiana 70179

By

533 Pebble Drive
Haughton, Louisiana 71037
(318) 540-6876

APEX Field Inspector:

Bradley Kennon
Certified Asbestos Inspector – DI182667
Certified Lead Inspector – MI182667

APEX
ENVIRONMENTAL SOLUTIONS

533 Pebble Drive
Haughton, LA 71037
PH: 318.540.6876
www.apex-enviro.com

Asbestos & Lead Inspection Report

White River Junction VA Medical Center
163 Veterans Drive
White River Junction, Vermont 05009

1.0 INTRODUCTION

APEX Environmental Solutions, LLC performed asbestos and lead inspections for the EHRM design upgrade project located at White River Junction VA Medical Center in Vermont. This investigation was requested to determine if asbestos-containing materials and/or lead-based painted materials were present in the work areas.

APEX Industrial Hygiene Manager, Bradley Kennon and Vermont Asbestos Inspector, Barrett Long (000105) conducted the inspections and sampling on December 16-18, 2024, and provides the following report based on the observations made and sampling conducted.

2.0 PROCEDURES

2.1 Asbestos Inspection

Asbestos can only be positively identified using microscopical techniques. Samples collected in this survey were analyzed using Polarized Light Microscopy (PLM). CA Labs, L.L.C. located in Baton Rouge, Louisiana, analyzed the samples from this assessment. CA Labs is a National Voluntary Laboratory Accredited Program (NVLAP) and is certified by the Louisiana Environmental Laboratory Accreditation Program (LELAP).

The analysis procedure followed for asbestos determination was published in *Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-193/116 (1993)*. This method is referred to as the "Improved Method" and is recommended by the EPA as a preferred substitute to the Interim Method. Based on these guidelines, suspect material was considered not to contain ACM only if the results of all samples required to be collected from the homogeneous area were determined to have asbestos in amounts of 1% or less. Those materials analyzed and determined to contain greater than 1% were considered ACM.

2.2 Lead-Based Paint Inspection

An SciAps X-Ray Fluorescence (XRF) Analyzer X-550 (Serial # 02044), an instrument that determines the amount of lead in each area of a painted surface was used for this inspection. An XRF reading of 1.0 mg/cm^2 is considered lead-based paint according to the EPA and HUD guidelines.

APEX ENVIRONMENTAL SOLUTIONS

533 Pebble Drive
Haughton, LA 71037
PH: 318.540.6876
www.apex-enviro.com

3.0 RESULTS

3.1 Asbestos Results

One Hundred Twenty-Eight (128) bulk samples with Two Hundred Seventy-Three (273) layers were collected at the White River Junction VA Medical Center, Vermont to verify the visual assessment, and submitted for analysis. The positive results of the testing are provided in the table below:

TABLE 1
Asbestos Sampling Results
163 Veterans Drive
White River Junction, VT 05009

Sample ID	Material Description	Results
(10) – A1	Drywall System	White Surfaced White Compound – 3% Chrysotile
(10) – A2	Drywall System	White Surfaced White Compound – 3% Chrysotile
113-A1	Drywall System	White Surfaced White Compound – 2% Chrysotile
113-A2	Drywall System	White Surfaced White Compound – 2% Chrysotile
113-B1	Black Mastic	4% Chrysotile
113-B2	Black Mastic	4% Chrysotile
201-A1	Yellow 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile
201-A2	Yellow 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile
201-D1	Gray Duct Sealant	3% Chrysotile
201-D2	Gray Duct Sealant	3% Chrysotile

APEX ENVIRONMENTAL SOLUTIONS

533 Pebble Drive
Haughton, LA 71037
PH: 318.540.6876
www.apex-enviro.com

Sample ID	Material Description	Results
331-B1	Black Mastic	4% Chrysotile
331-B2	Black Mastic	4% Chrysotile
336-D1	Green 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile
336-D2	Green 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile
103-A1	Tan Mastic	2% Chrysotile
G31A-A1	12x12 Brown Floor Tile	2% Chrysotile
G31A-A2	12x12 Brown Floor Tile	2% Chrysotile
115A-A1	Yellow/Black Carpet Mastic	2% Chrysotile
115A-A2	Yellow/Black Carpet Mastic	2% Chrysotile
B19B-A1	Cream 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile
B19B-A2	Cream 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile
B18-B1	Gray 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile
B18-B2	Gray 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile
115-A1	Tan 12x12 Floor Tile with Black Mastic	Floor Tile – 3% Chrysotile Black Mastic – 4% Chrysotile
115-A2	Tan 12x12 Floor Tile with Black Mastic	Floor Tile – 3% Chrysotile Black Mastic – 4% Chrysotile
226-A1	White 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile

533 Pebble Drive
Haughton, LA 71037
PH: 318.540.6876
www.apex-enviro.com

Sample ID	Material Description	Results
226-A2	White 12x12 Floor Tile with Black Mastic	Floor Tile – 2% Chrysotile Black Mastic – 4% Chrysotile
G05-B1	Black Mastic	4% Chrysotile
G05-B2	Black Mastic	4% Chrysotile

Located in Appendix C are copies of the asbestos laboratory analytical results.

3.2 Lead Results

During the inspection, a total of 465 readings, including calibrations, were taken during the lead-based paint inspection using the XRF equipment. Of those readings taken, twenty-six (26) resulted in concentrations above 1.0 mg/cm^2. The table below represents those samples that were above the acceptable HUD concentration level.

Reading No.	XRF Result (mg/cm^2)	Component	Substrate	Location
52	4.7	Window Sill	Metal	Office 331
53	4.7	Window Apron	Metal	Office 331
54	4.8	Window Casing	Metal	Office 331
73	4.2	Window Casing	Metal	Office 333
76	3.2	Plaster Wall	Plaster	Office 333
77	8.1	Plaster Wall	Plaster	Office 333
78	9.0	Plaster Wall	Plaster	Office 333
100	2.1	Window Sill	Metal	336-B
101	3.2	Window Apron	Metal	336-B
102	3.2	Window Casing	Metal	336-B
111	2.1	Window Sill	Metal	336-C
112	2.1	Window Apron	Metal	336-C
113	3.2	Window Casing	Metal	336-C
121	2.8	Window Sill	Metal	336-D
122	4.7	Window Apron	Metal	336-D
123	4.7	Window Casing	Metal	336-D
134	6.2	Window Casing	Metal	336-E
147	5.2	Window Casing	Metal	336-F
173	7.4	Door Casing	Metal	Bedroom 105
174	4.5	Door Jamb	Metal	Bedroom 105

APEX
ENVIRONMENTAL SOLUTIONS

533 Pebble Drive
Haughton, LA 71037
PH: 318.540.6876
www.apex-enviro.com

Reading No.	XRF Result (mg/cm^2)	Component	Substrate	Location
175	3.8	Window Sill	Metal	Bedroom 105
184	6.3	Window Casing	Metal	Bedroom 105
205	37.0	Sink	Ceramic	Room 103
209	3.7	Door Jamb	Metal	Room 104
212	1.3	Window Casing	Metal	Room 104
289	1.0	Door	Metal	Room G12

4.0 CONCLUSIONS & RECOMMENDATIONS

The results from the asbestos sampling indicate the drywall system, 12x12 flooring with black mastic, duct sealant and carpet mastic in several work areas (rooms) are asbestos containing. Located in Appendix B are drawings of the work areas with positive locations.

The results from the lead-based paint inspection indicated the window systems, plaster wall, sink and door in several work areas (rooms) are considered positive for lead in concentrations above 1.0 mg/cm^2. Located in Appendix B are drawings of the work areas (rooms) with positive locations.

APEX recommends a Vermont licensed asbestos & lead abatement contractor remove these materials before any demolition or renovation activities occur which may impact the materials.

5.0 STANDARD OF CARE

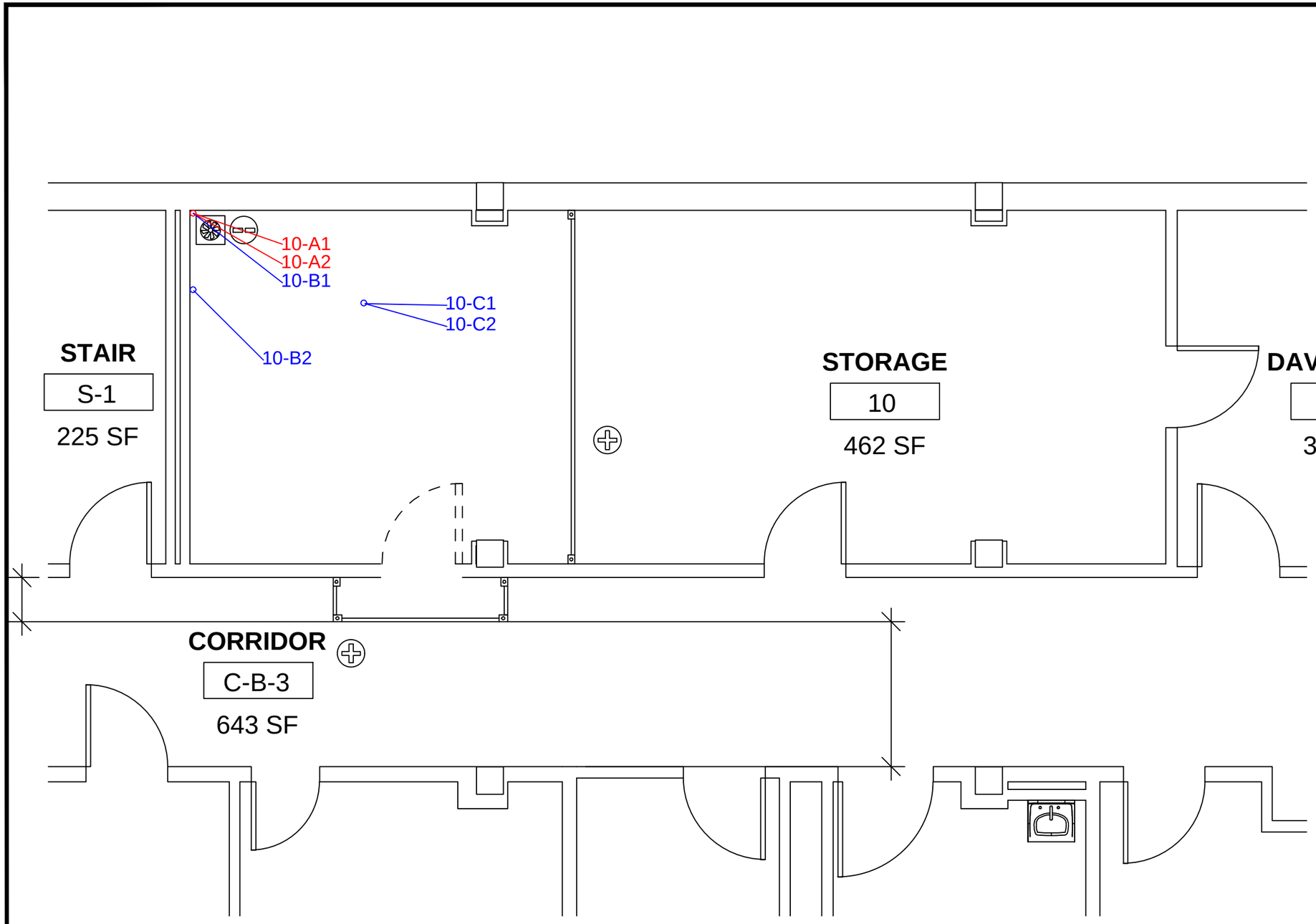
The environmental services performed by APEX have been conducted with the degree of care and skill ordinarily exercised under similar circumstances by reputable members of its industry practicing in the same locality under similar budget and time constraints. No other warranty, expressed or implied, is made. The microbial analytical results represent the concentrations found at the time of the survey and are expected to vary over time.

APEX also will treat the results of this study as strictly confidential. No information or recommendations have been released to other parties, federal agencies, or other government bodies.

6.0 APPENDICES

A. Sample Location Drawings
B. Homogenous Drawings & Quantities
C. Asbestos Laboratory Analytical Results
D. Certifications

APPENDIX A
SAMPLE LOCATIONS



BUILDING #1

ROOM #10

ASBESTOS SAMPLING

##-## NEGATIVE for ACM

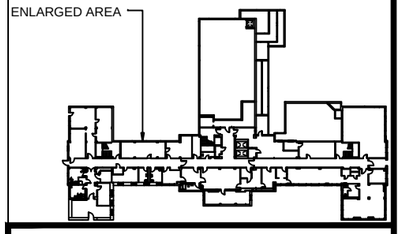
##-## POSITIVE for ACM

10-A1 White Surfaced Compound

10-A2 White Surfaced Compound

0 3' 6'

Approximate Scale in Feet



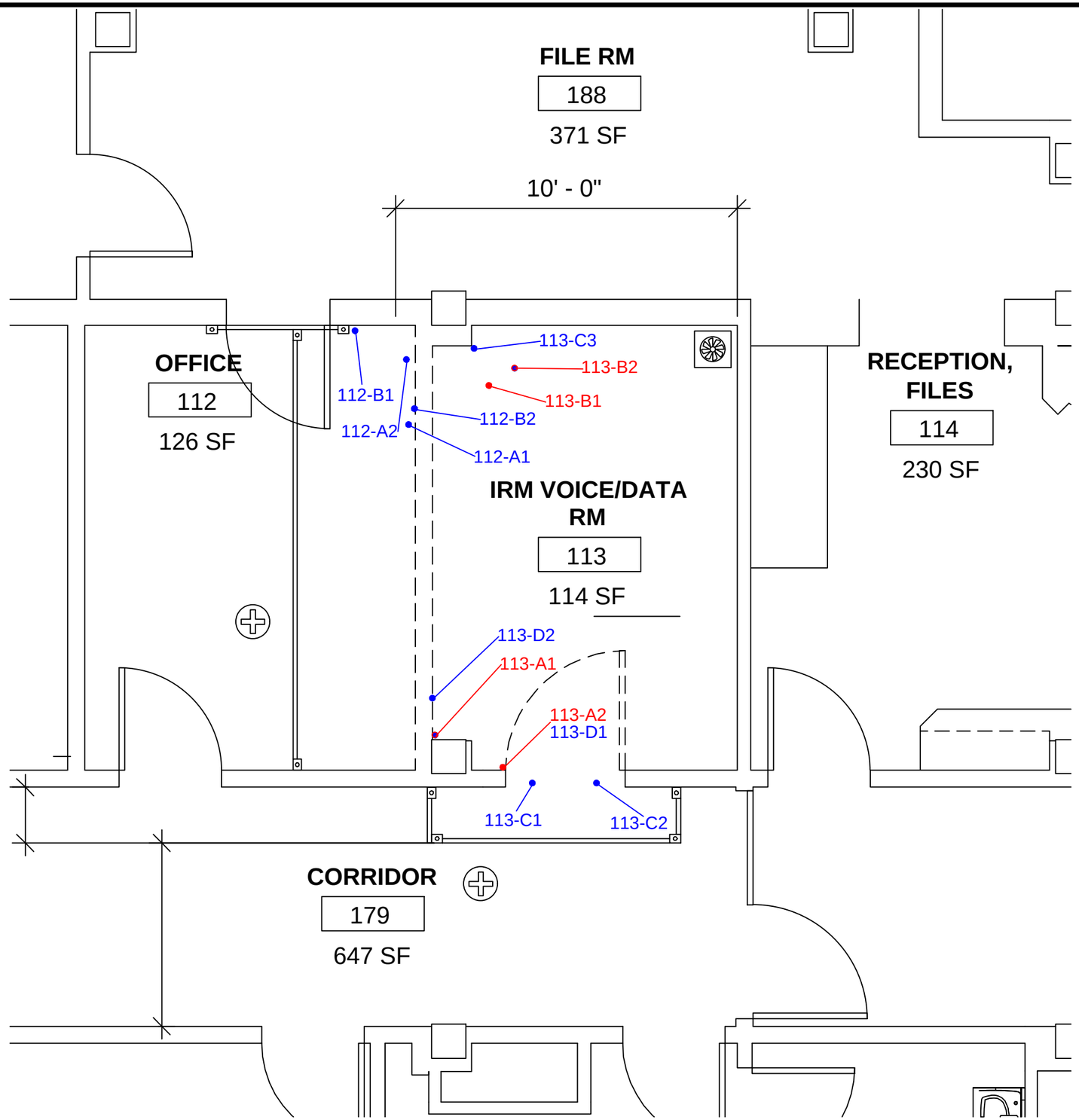
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

1
Figure



BUILDING #1

ROOM #112-#113

ASBESTOS SAMPLING

##-## NEGATIVE for ACM

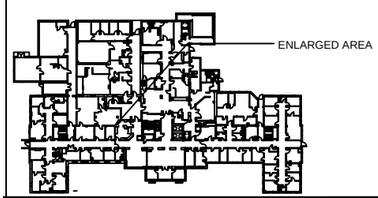
##-## POSITIVE for ACM

113-A1 White Surfaced Compound
113-A2 White Surfaced Compound
113-B1 Black Mastic
113-B2 Black Mastic

0 3' 6'

Approximate Scale in Feet

KEY PLAN



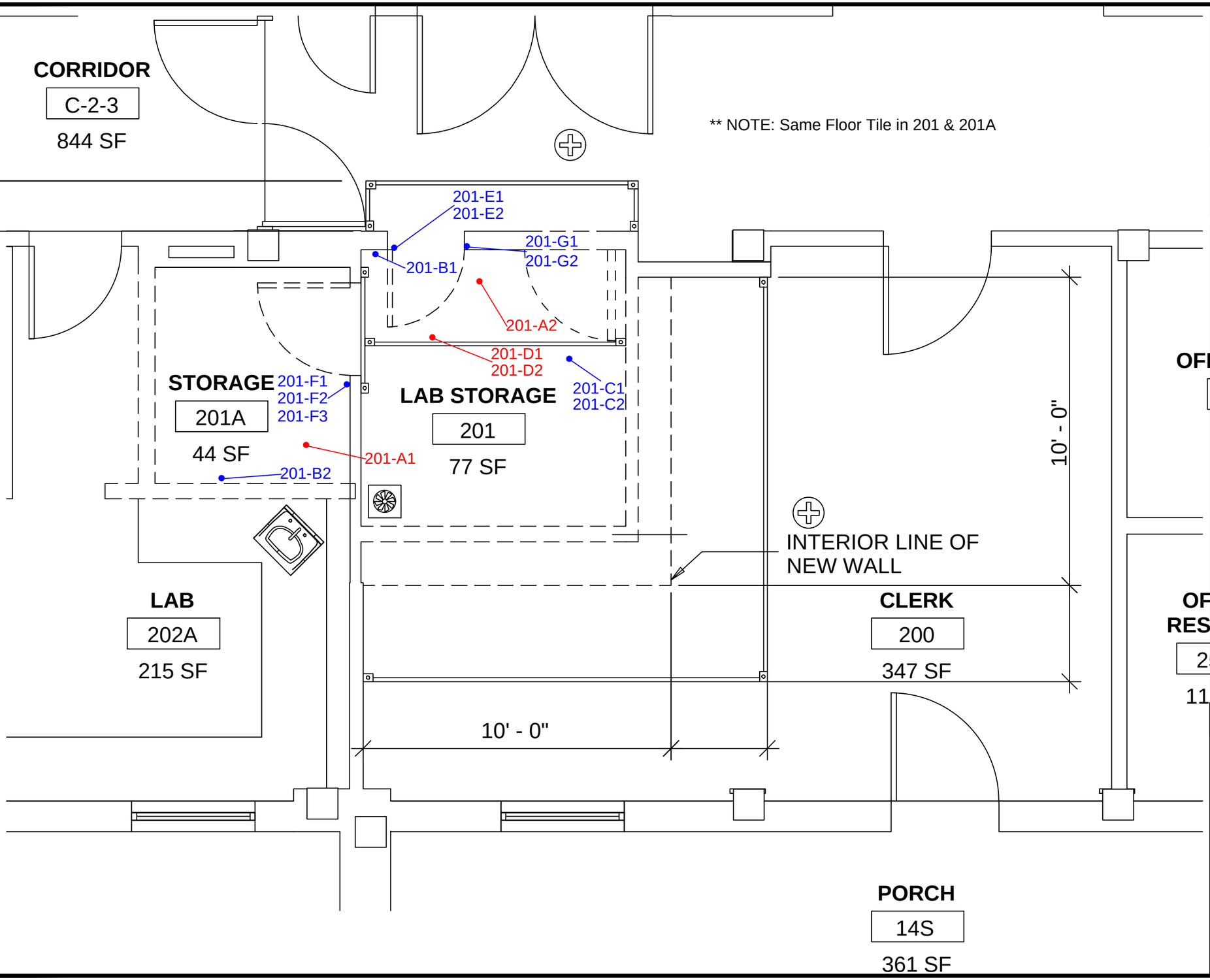
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

2
Figure



BUILDING #1

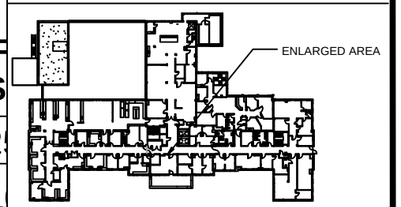
ROOM #201

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

201-A1 Ylw FT w/Blk Mastic
201-A2 Ylw FT w/Blk Mastic
201-D1 Gray Sealant
201-D2 Gray Sealant

KEY PLAN



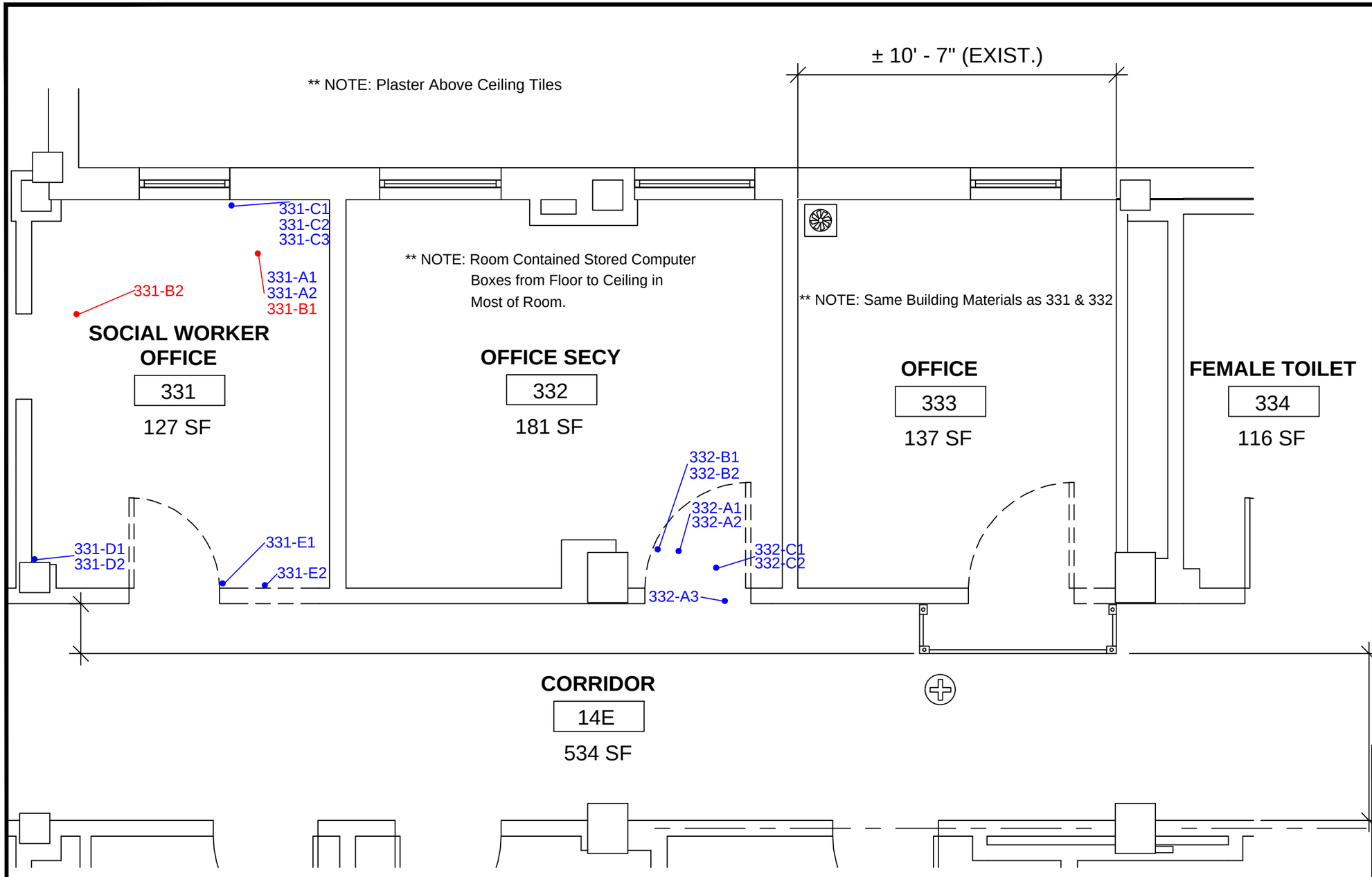
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

3
Figure



BUILDING #1

ROOM #331, 332, 333

ASBESTOS SAMPLING

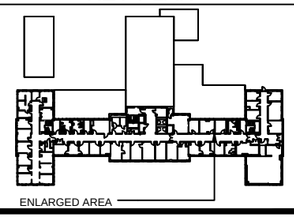
##-## NEGATIVE for ACM

##-## POSITIVE for ACM

331-B1 Blk Mastic

331-B2 Blk Mastic

KEY PLAN



VA - VT White River Junction

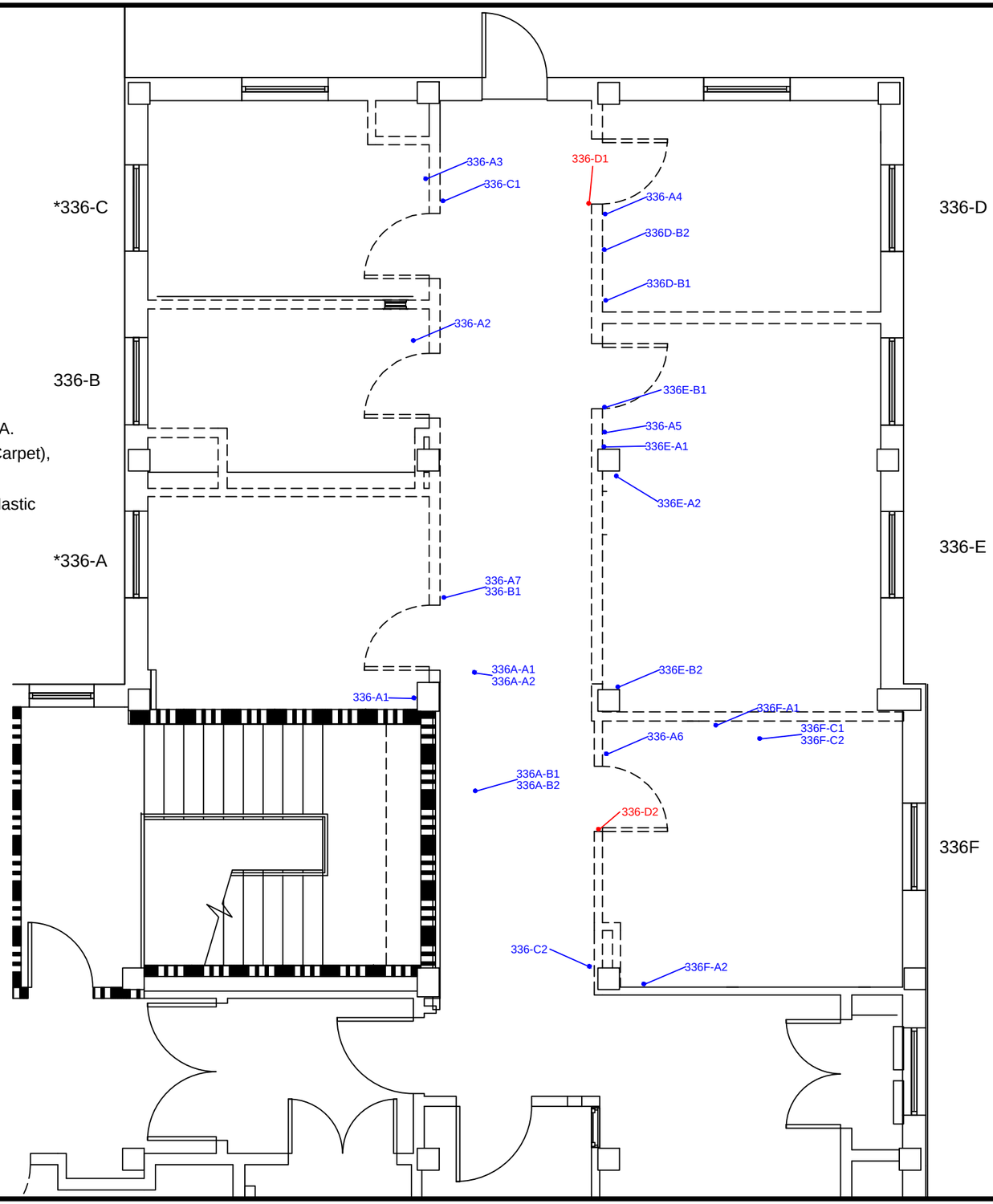
163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

4
Figure

** NOTE: Green Floor Tile in Hallway,
336-C (Beneath Carpet), 336-A.
White Tile in 336B (Beneath Carpet),
336-E.
Tile Removed and Residual Mastic
in Rooms 336D & 336F.



BUILDING #1

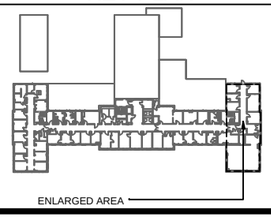
ROOM #336A - 336F

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

336-D1 Green FT w/Blk Mastic
336-D2 Green FT w/Blk Mastic

KEY PLAN



VA - VT White River Junction

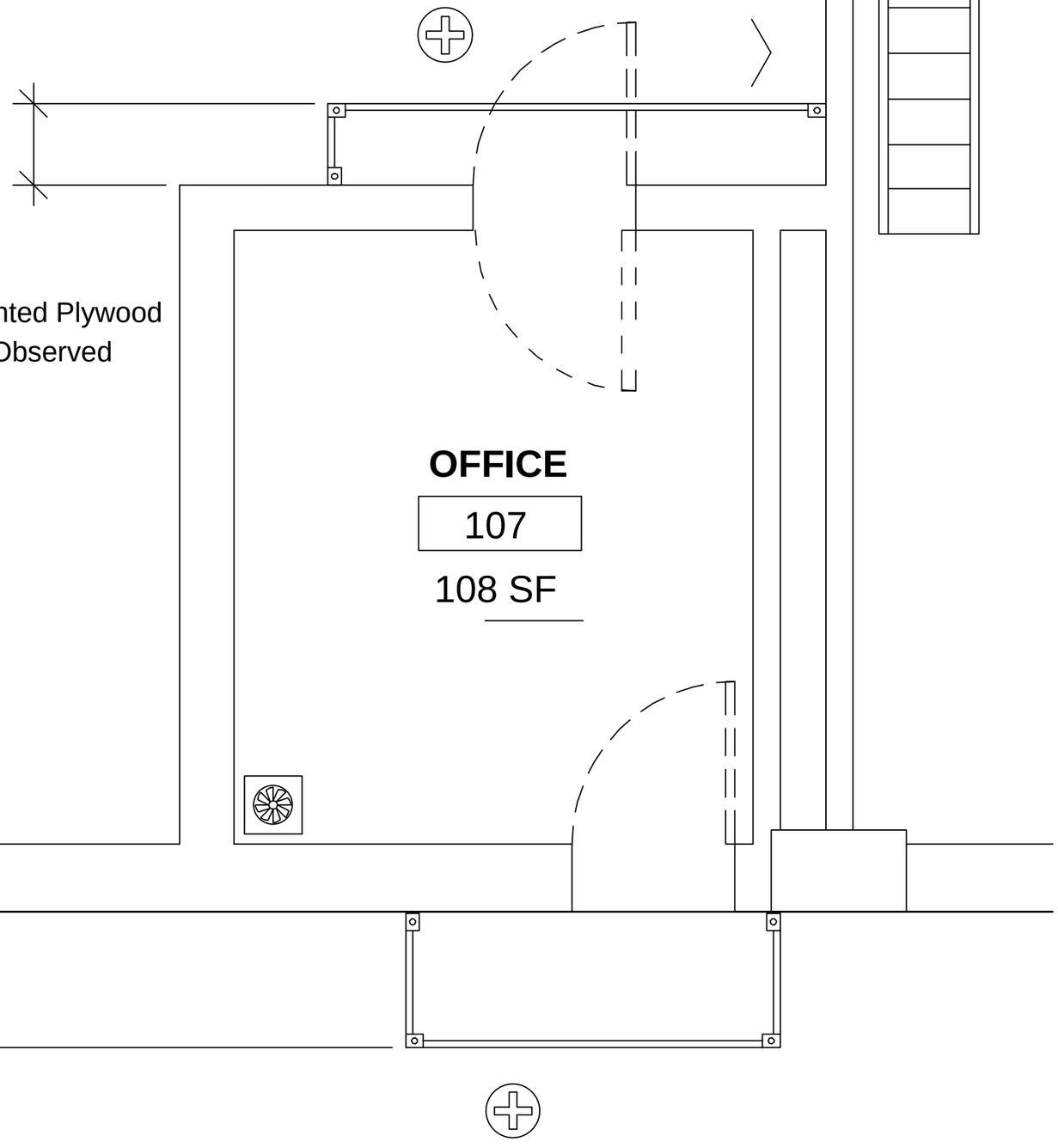
163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

5
Figure

** NOTE: Walls & Ceiling are Panted Plywood
No Suspect Materials Observed



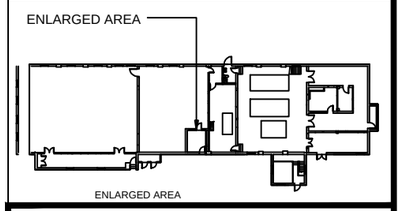
BUILDING #2

ROOM #107

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



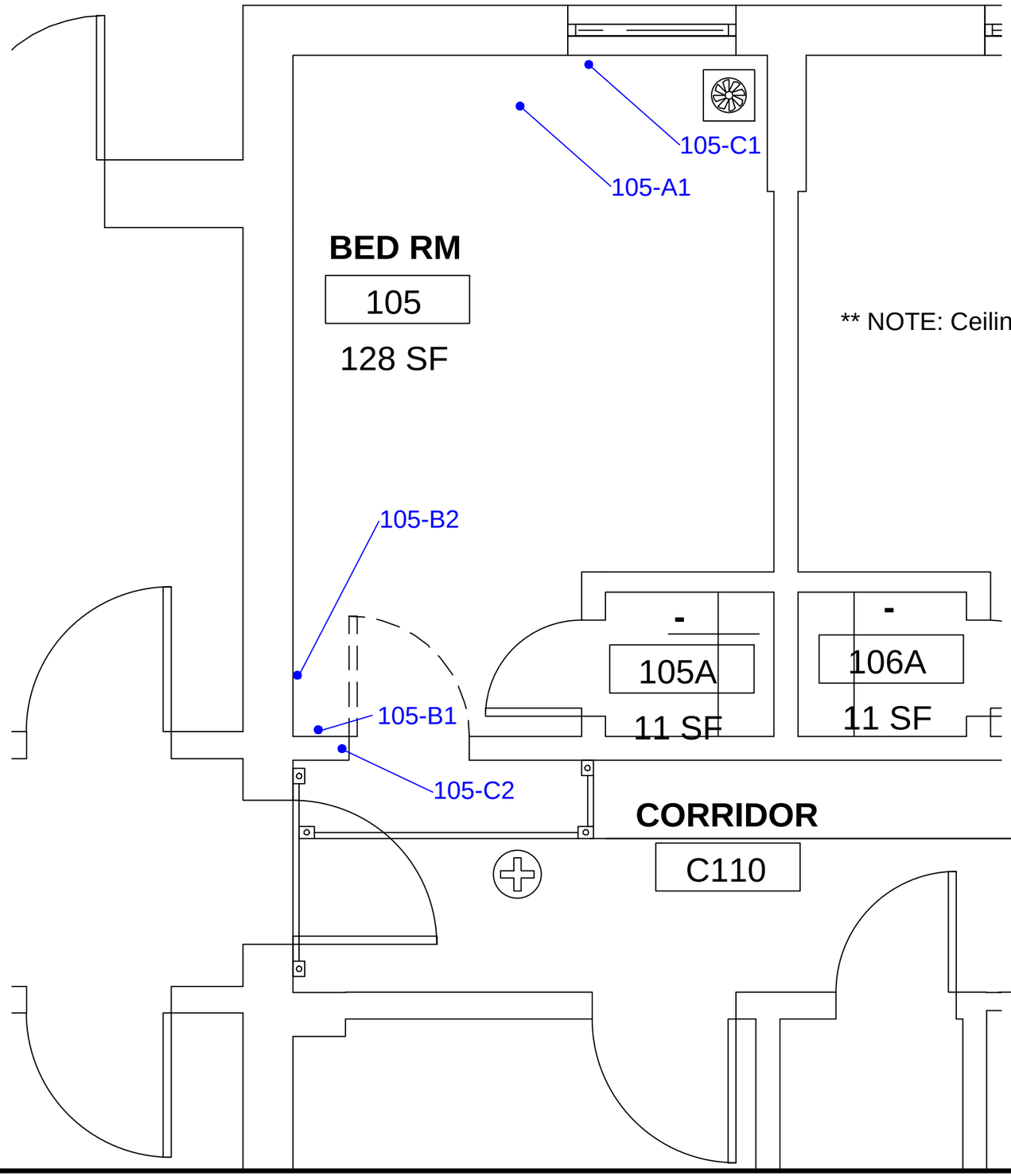
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

6
Figure



** NOTE: Ceiling & Walls are Same

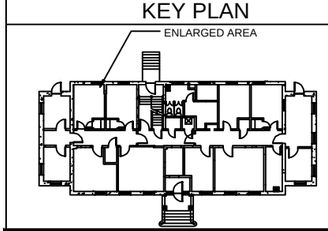
BUILDING #4

ROOM #105

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



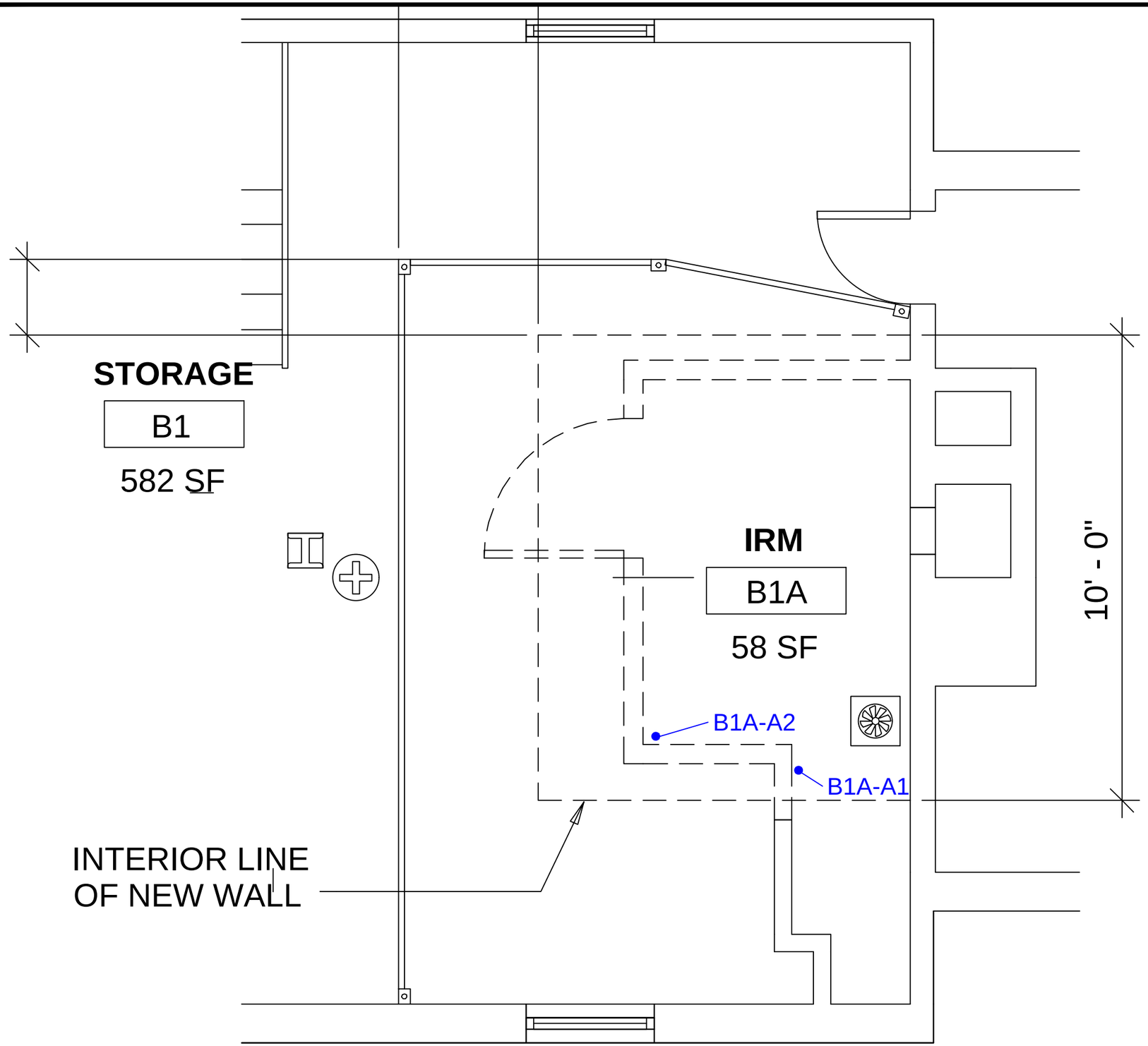
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

7
Figure



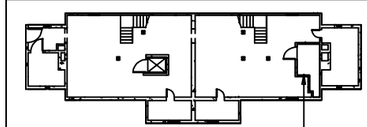
BUILDING #6

ROOM #B1A

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



ENLARGED AREA

VA - VT White River Junction

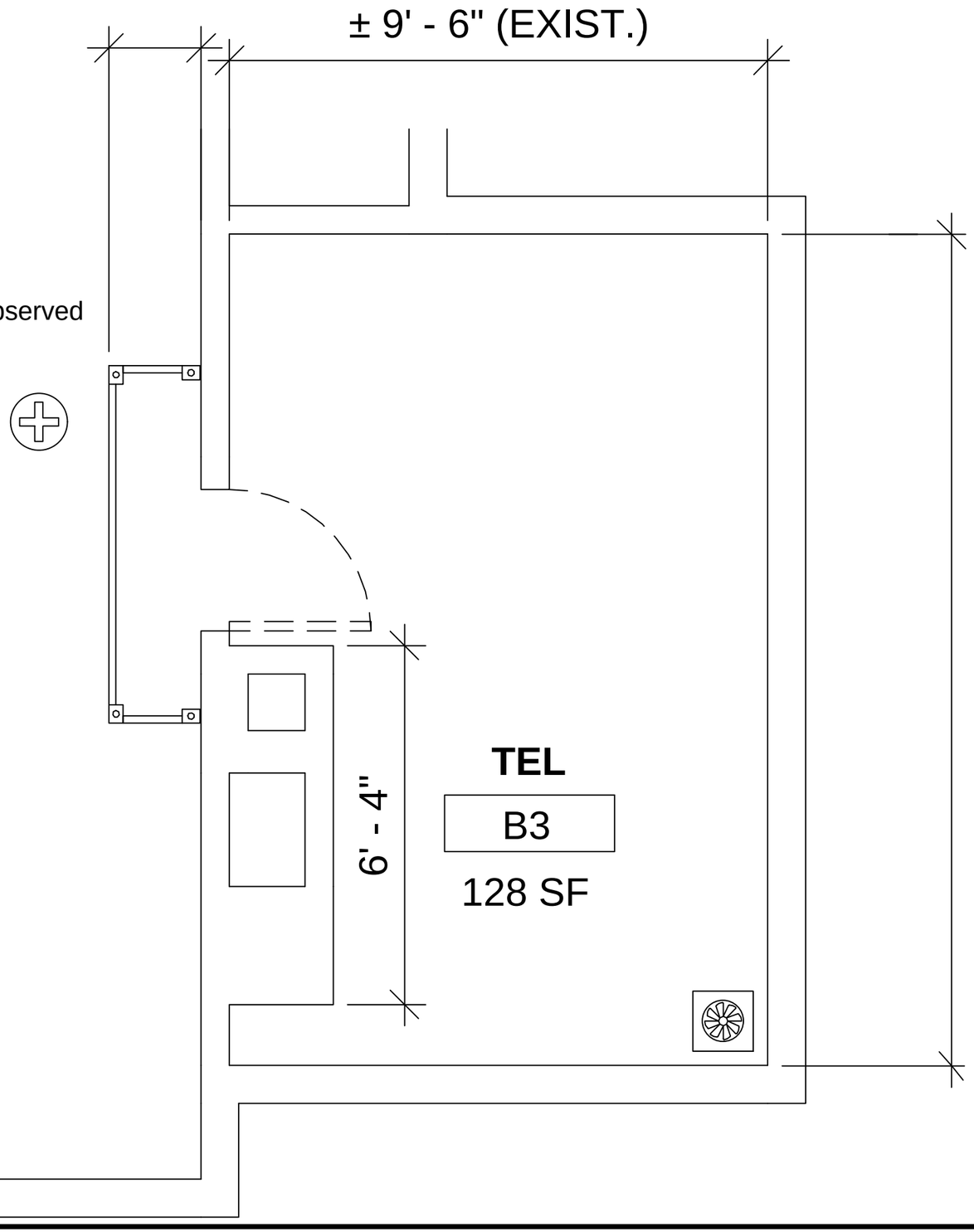
163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

8
Figure

** NOTE: No Suspect Materials Observed



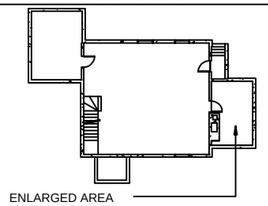
BUILDING #7

ROOM #B3

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



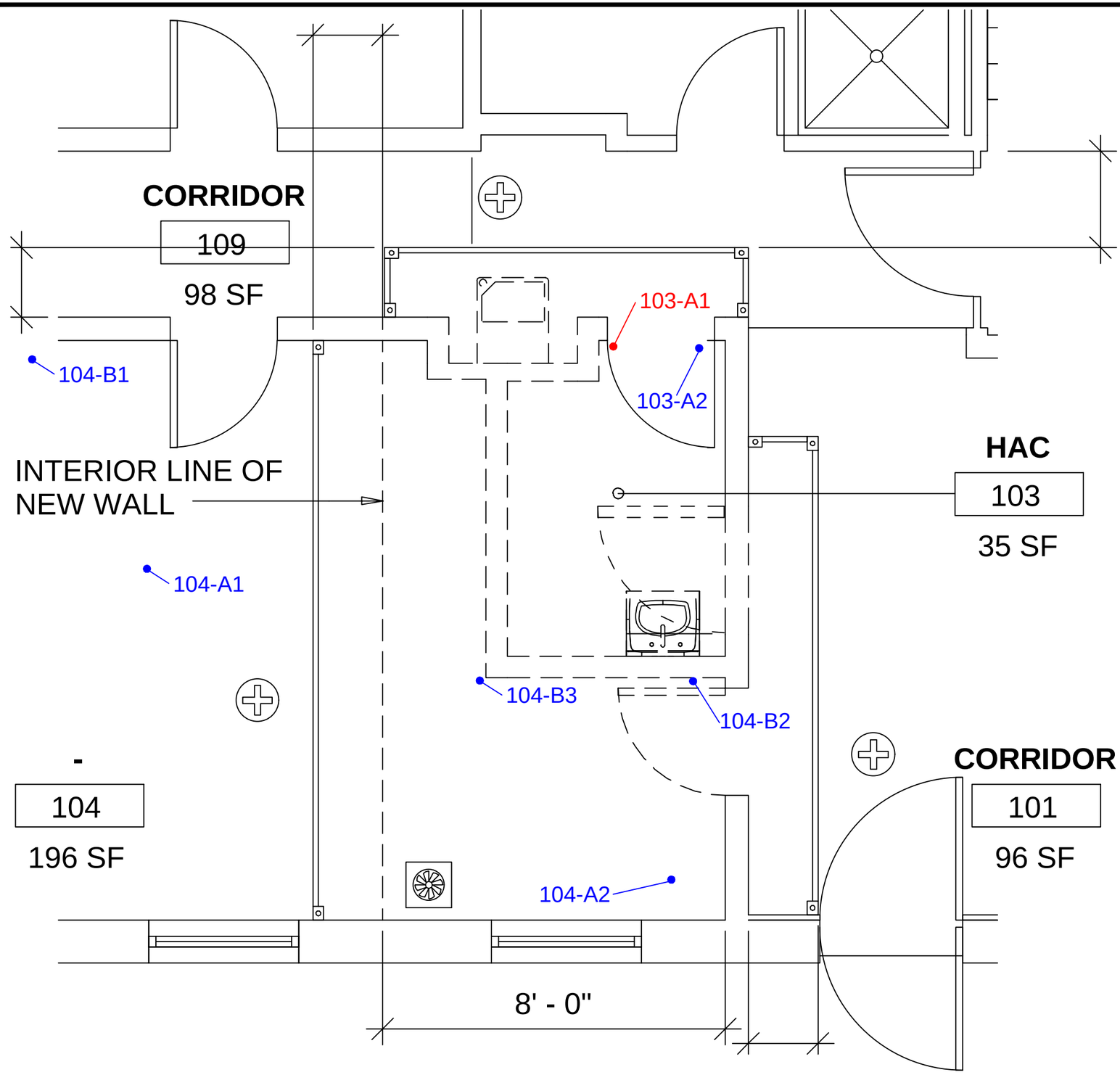
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

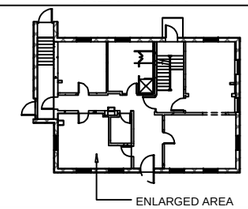
9
Figure



BUILDING #9

ROOM #104 & #103

KEY PLAN



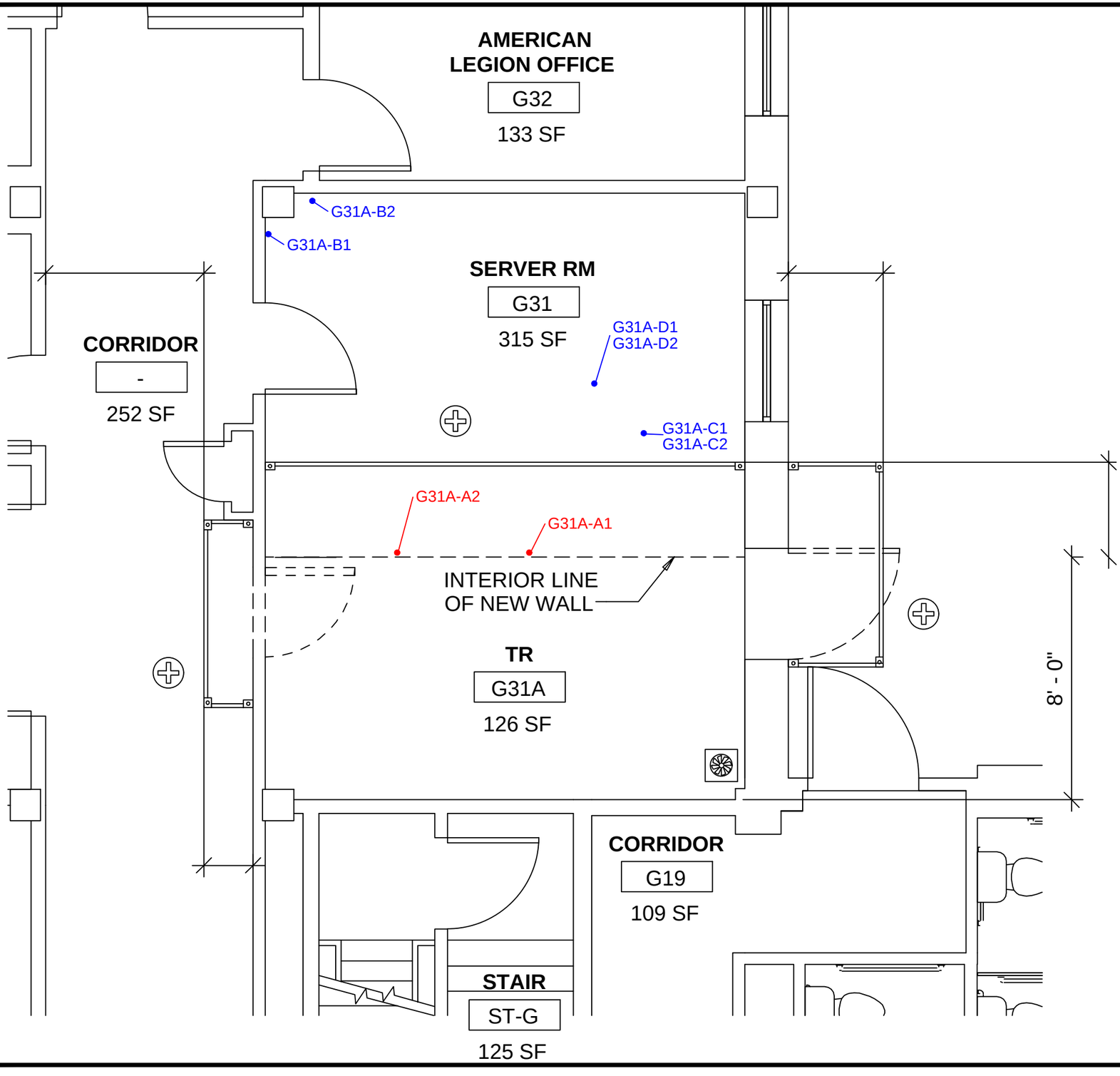
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

10
Figure



BUILDING #28

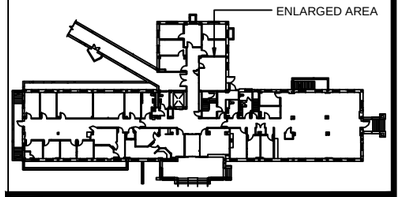
ROOM #G31A

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

G31A-A1 Tan FT
G31A-A2 Tan FT

KEY PLAN



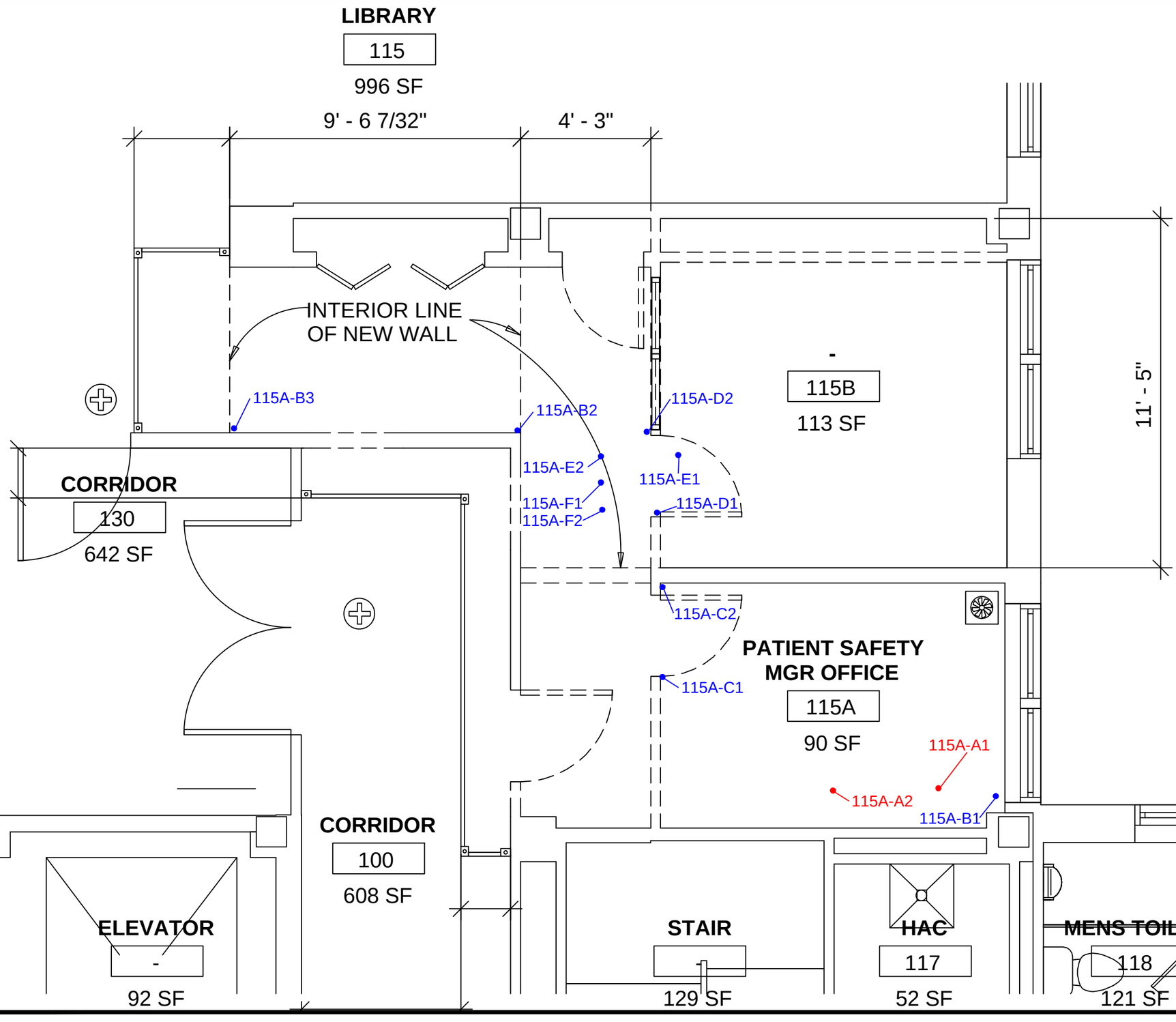
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

11
Figure



BUILDING #28

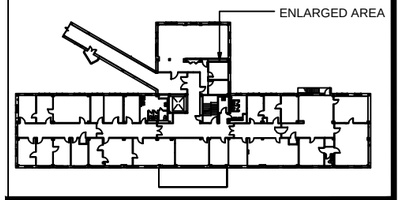
ROOM #115A

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

115A-A1 Blk & Tan Mastic
115A-A2 Blk & Tan Mastic

KEY PLAN



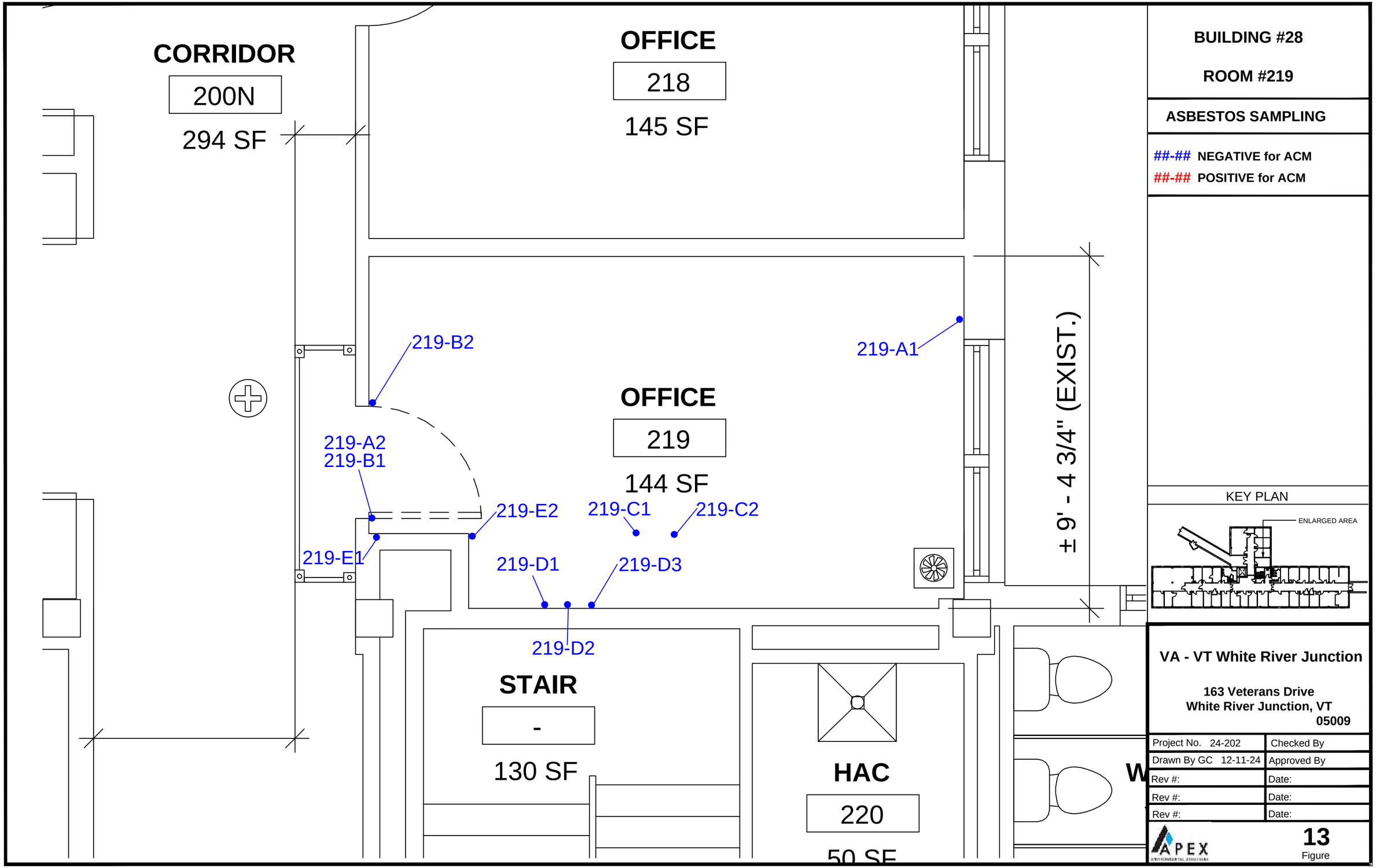
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

12
Figure



BUILDING #28

ROOM #219

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN

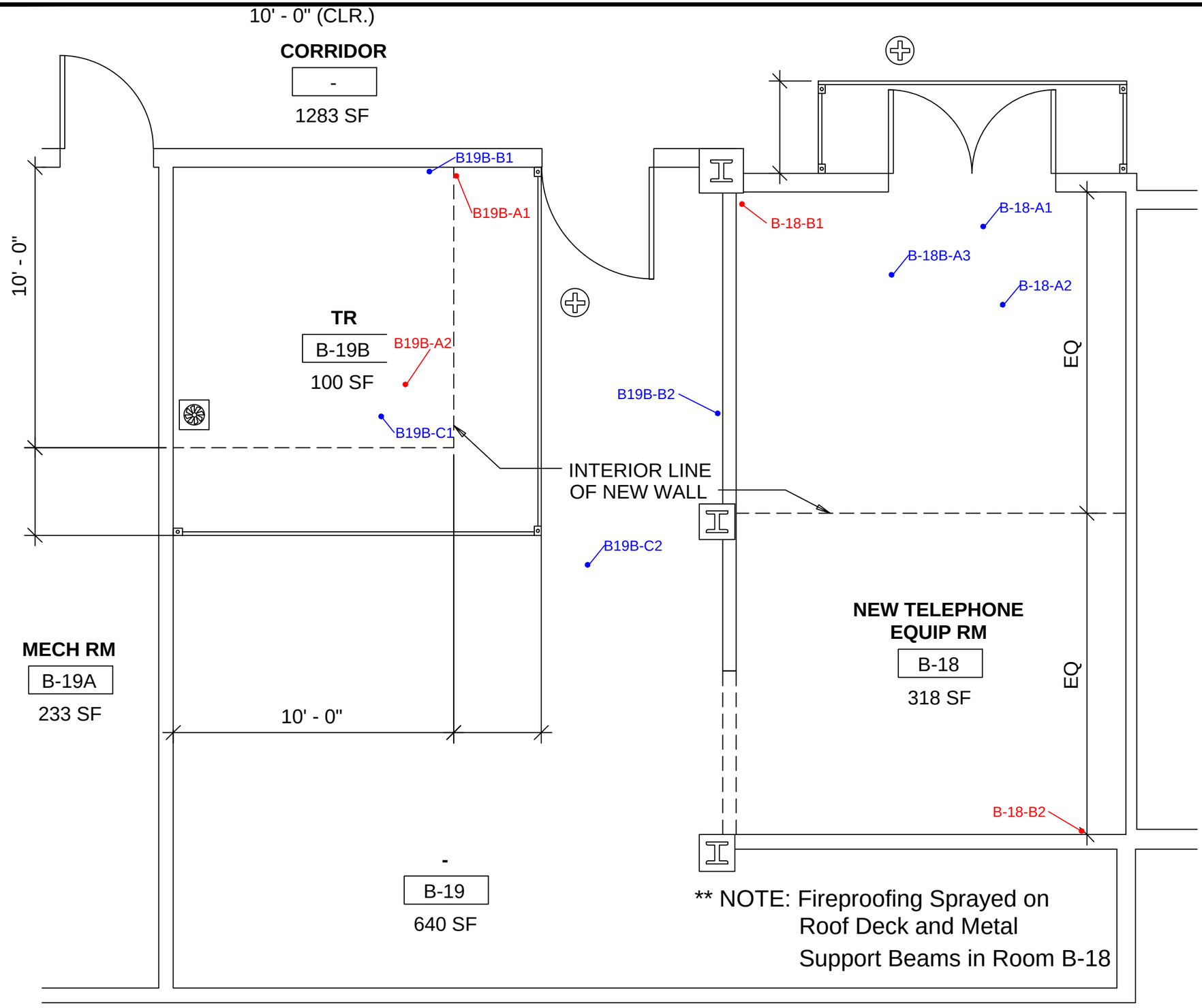
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

13
Figure



BUILDING #31

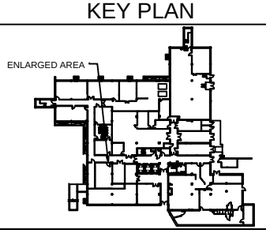
ROOM #B19B

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

B-18-B1	Gray FT w/Blk Mastic
B-18-B2	Gray FT w/Blk Mastic
B19B-A1	Tan FT w/Blk Mastic
B19B-A2	Tan FT w/Blk Mastic

KEY PLAN



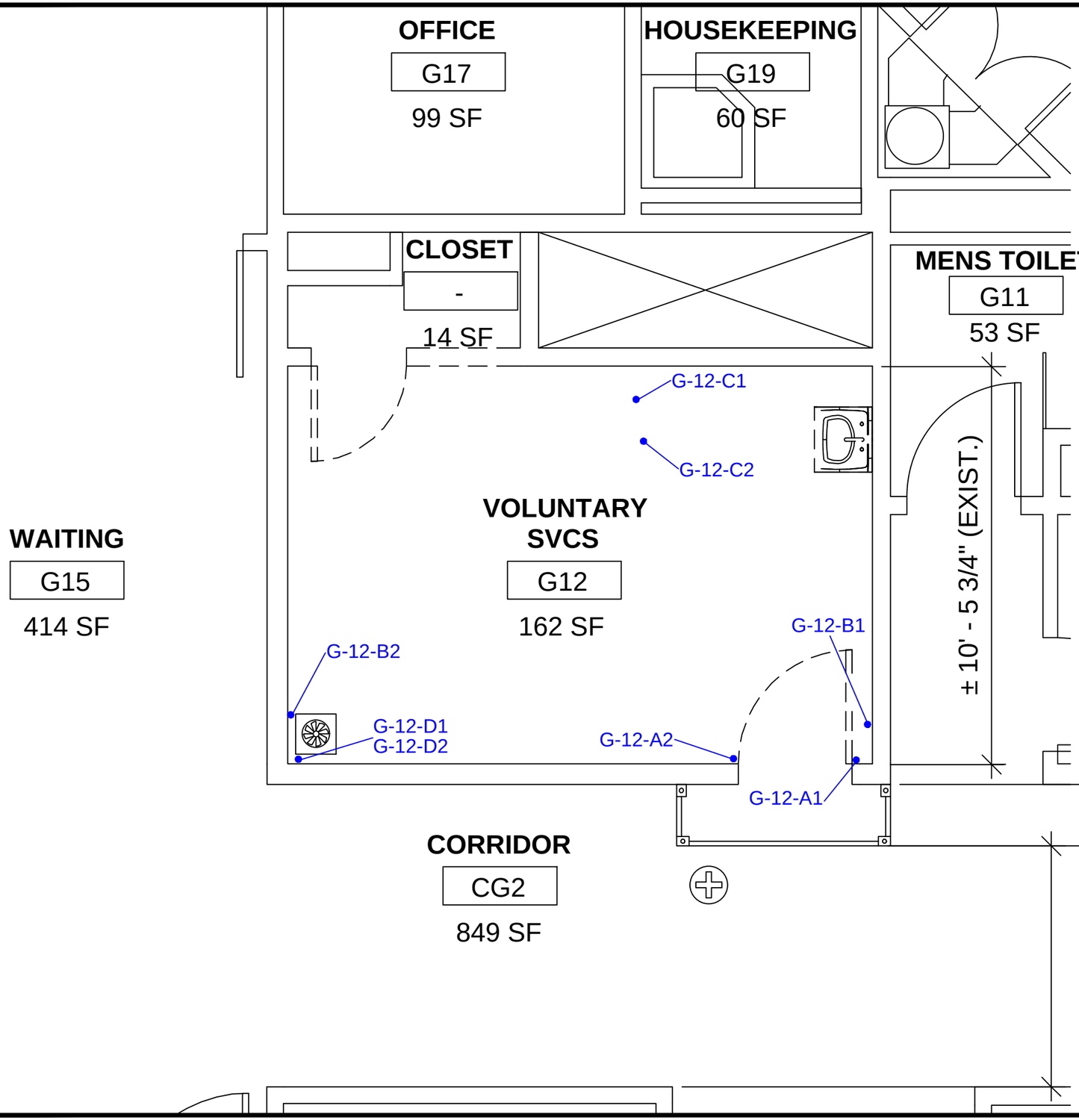
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

14
Figure



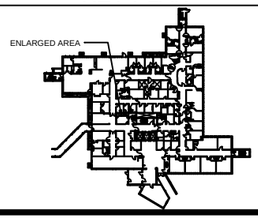
BUILDING #31

ROOM #G12

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



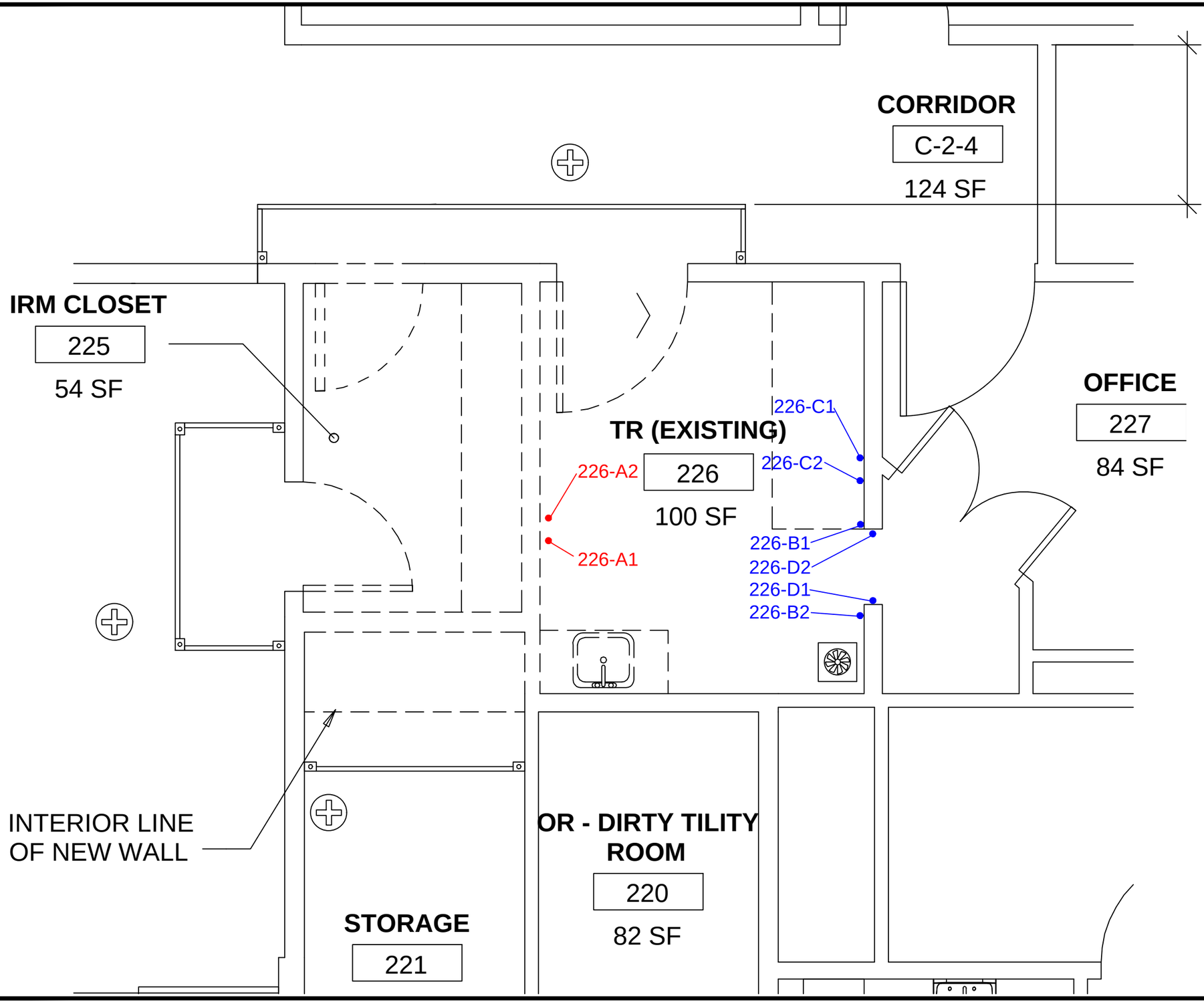
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

15
Figure



BUILDING #31

ROOM #226

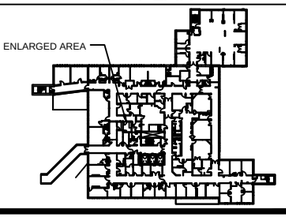
ASBESTOS SAMPLING

##-## **NEGATIVE for ACM**

##-## **POSITIVE for ACM**

226-A1	Gray FT w/Blk Mastic
226-A2	Gray FT w/Blk Mastic

KEY PLAN



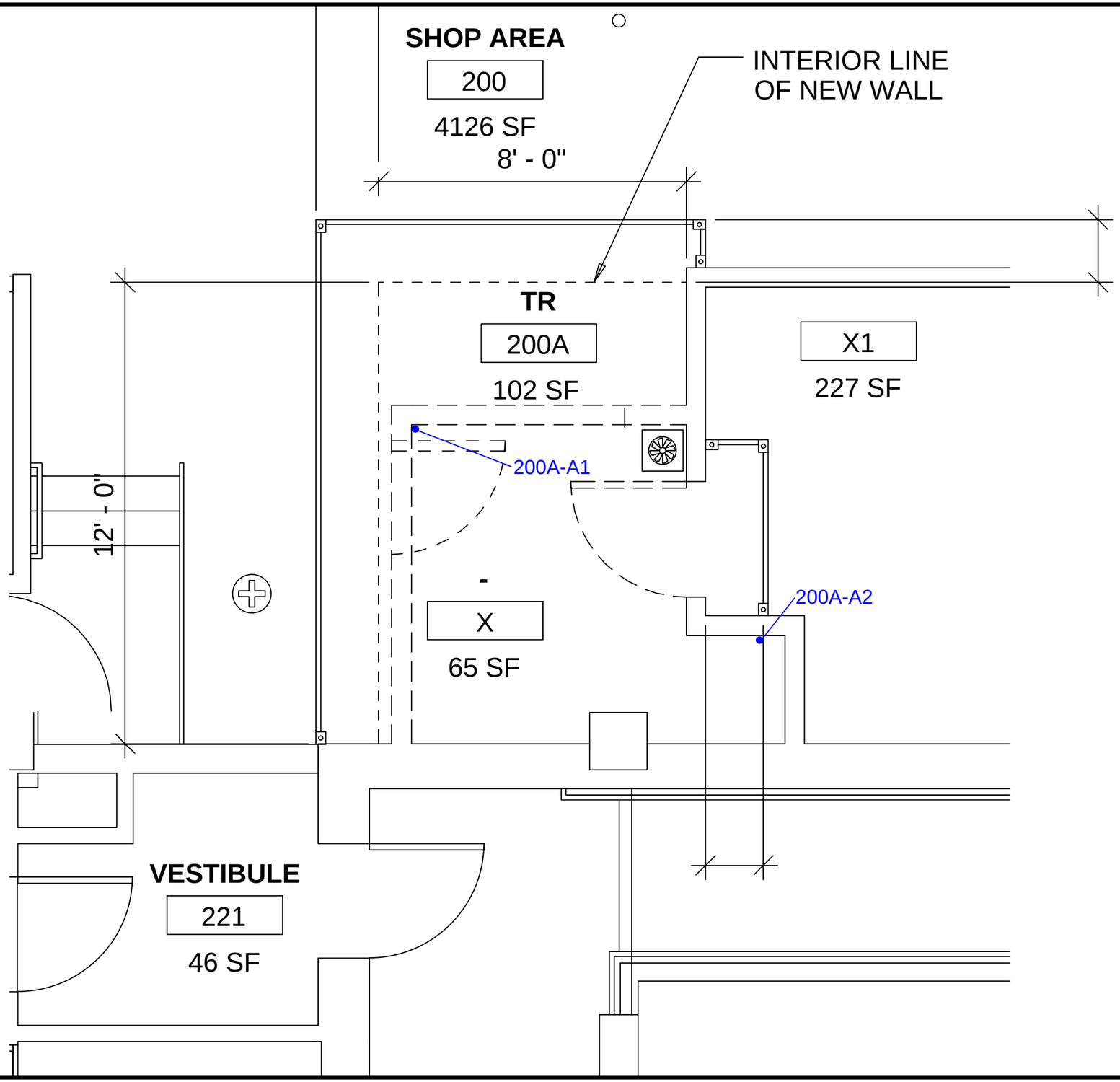
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

16
Figure



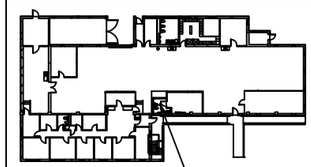
BUILDING #37

ROOM #200A

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



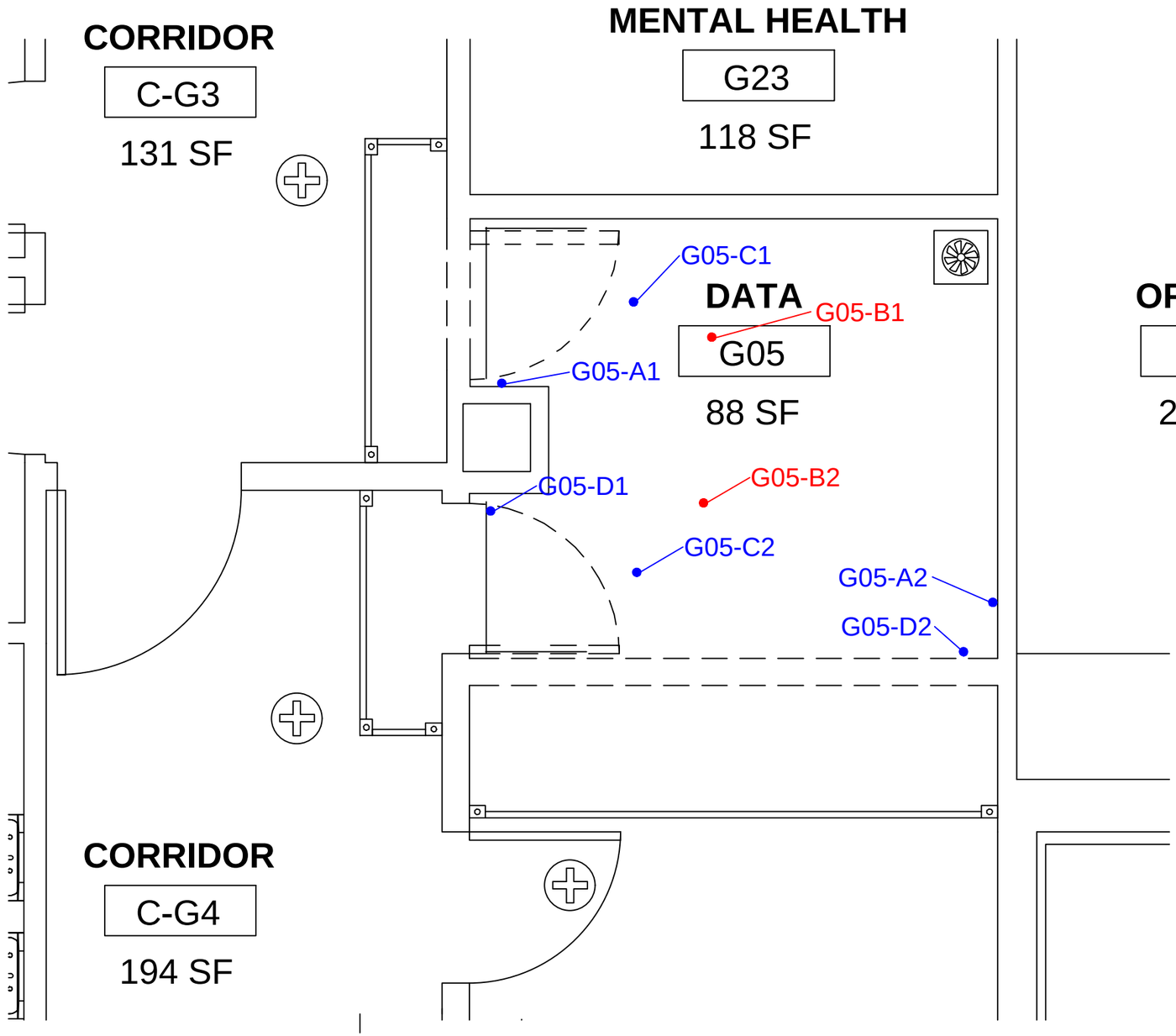
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

17
Figure



BUILDING #39

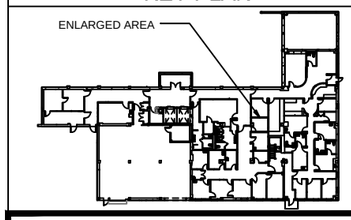
ROOM #G05

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

G05-B1 Blk Mastic
G05-B2 Blk Mastic

KEY PLAN



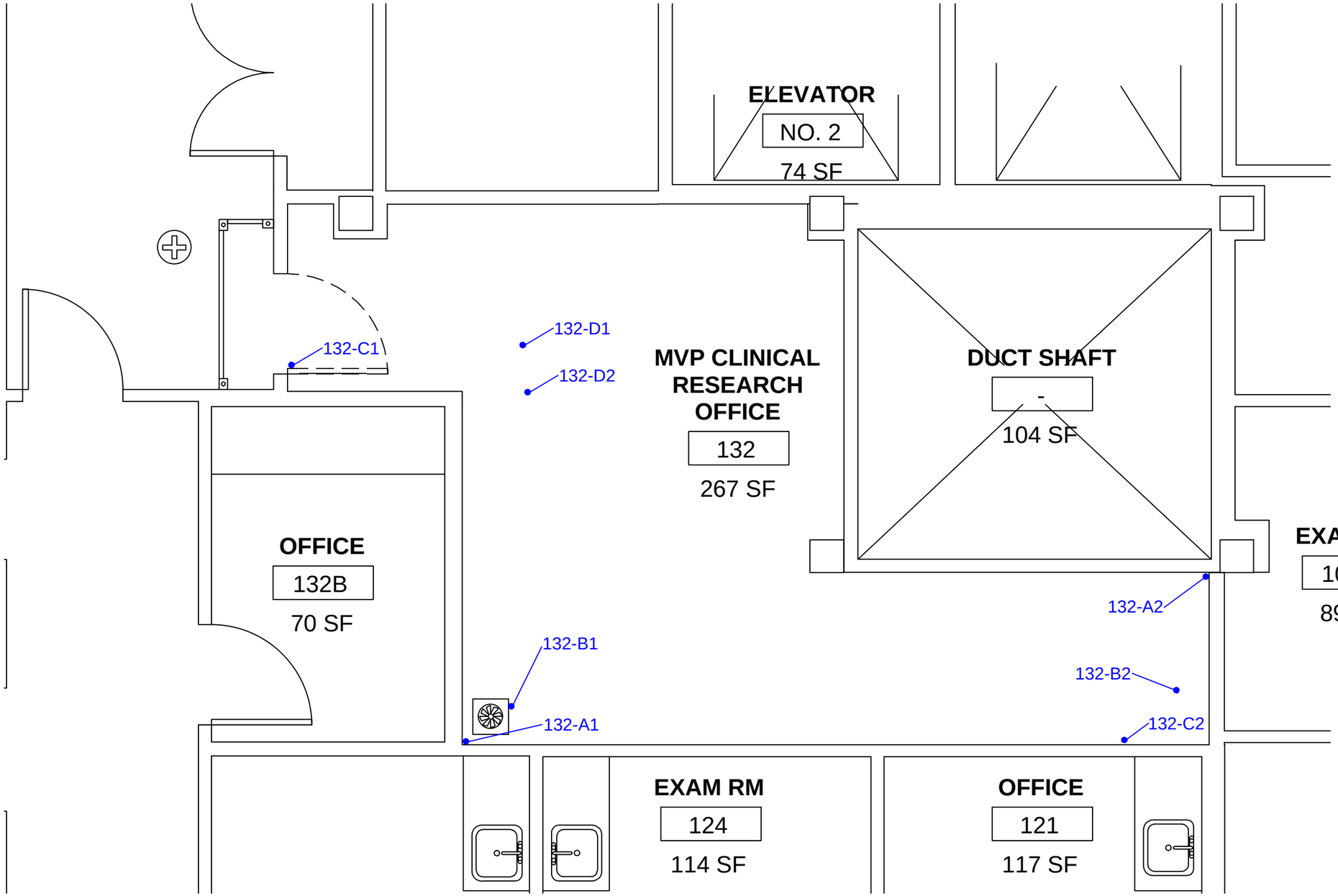
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

18
Figure



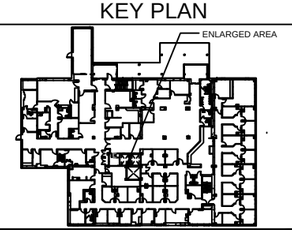
BUILDING #39

ROOM #132

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



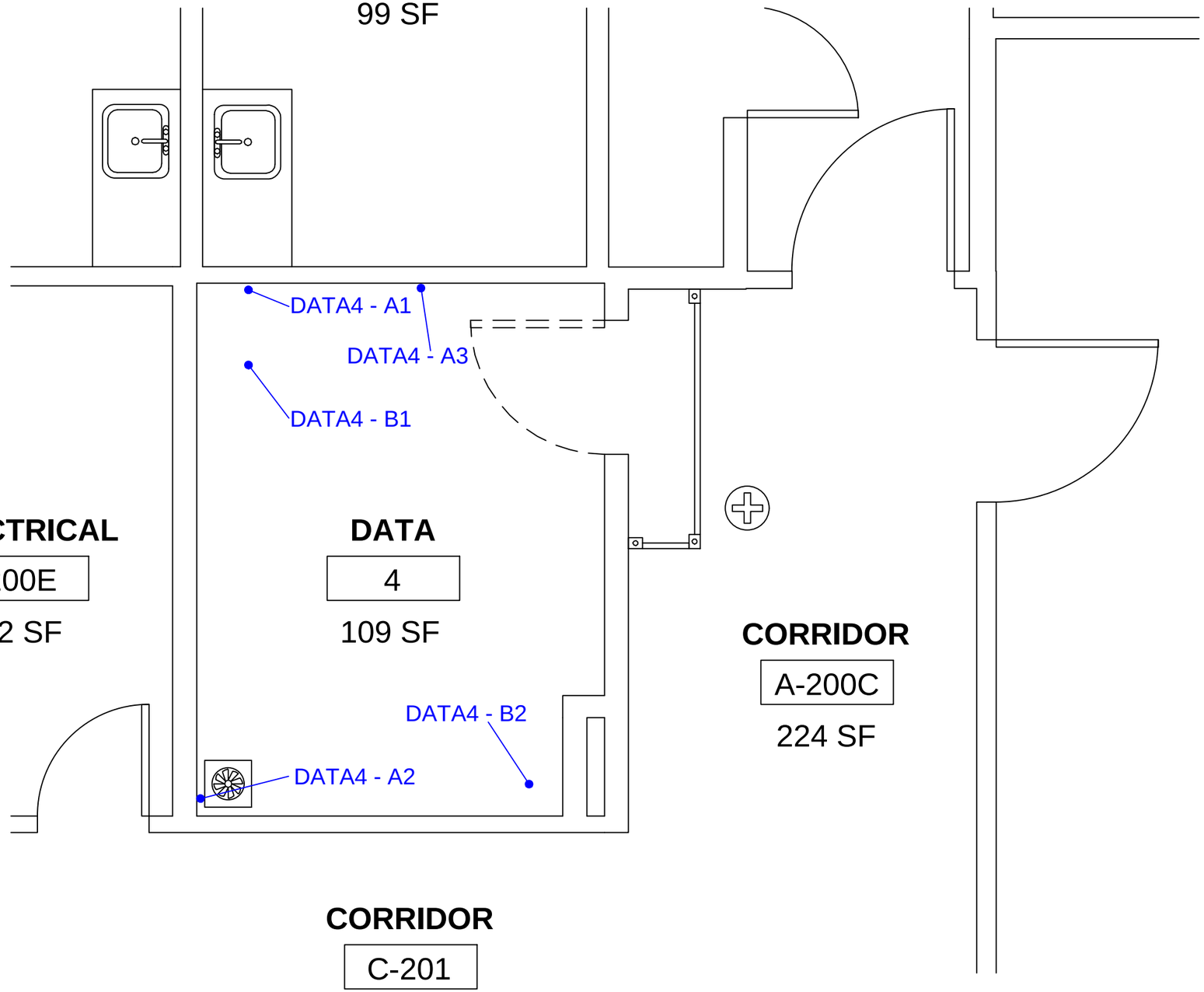
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

19
Figure



BUILDING #39

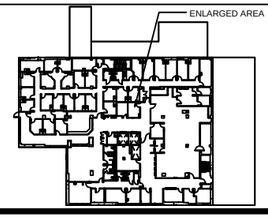
ROOM DATA 4

ASBESTOS SAMPLING

##-## **NEGATIVE for ACM**

##-## **POSITIVE for ACM**

KEY PLAN



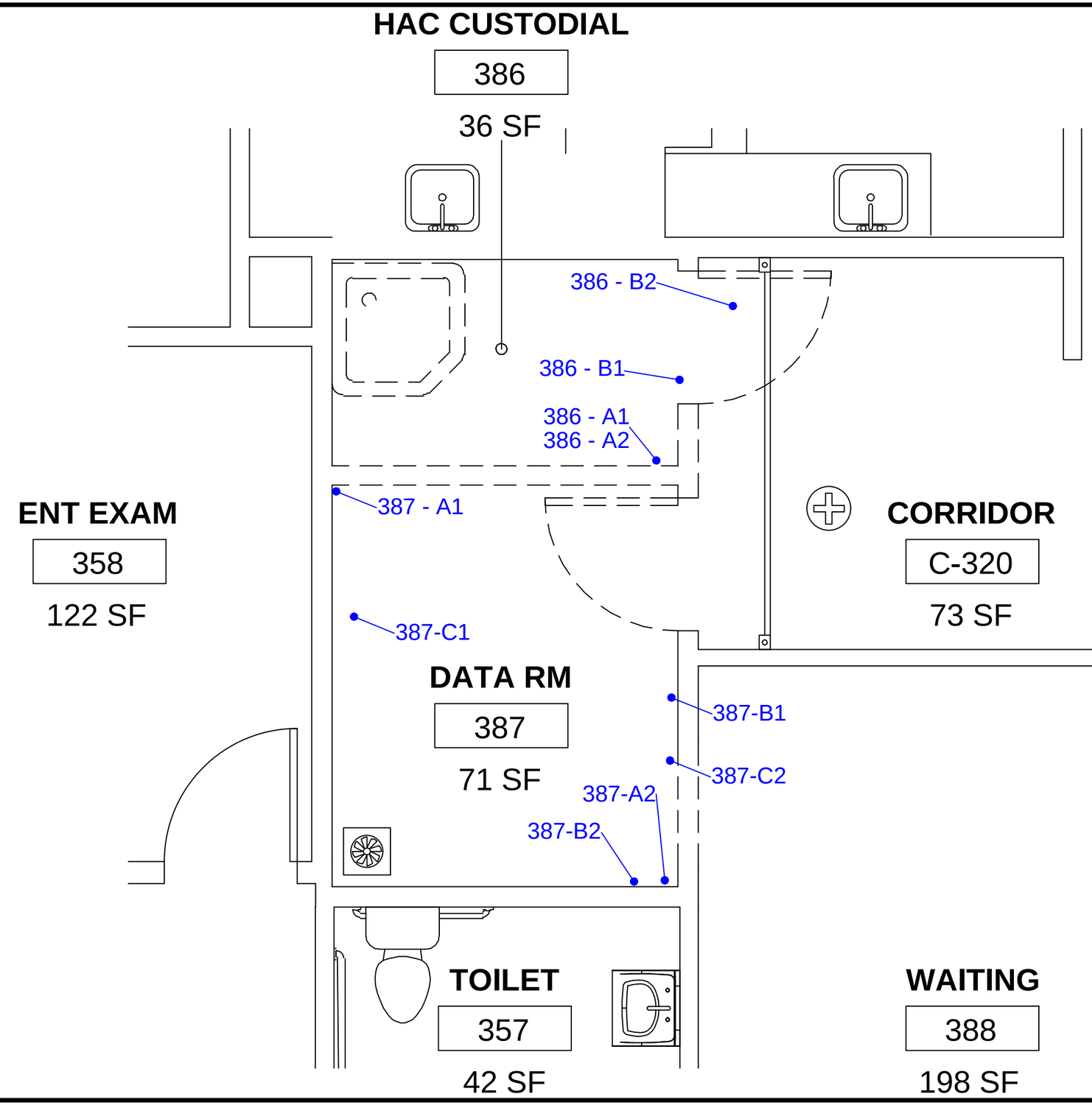
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

20
Figure



BUILDING #39

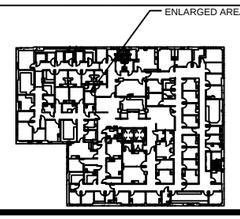
ROOM #387

ASBESTOS SAMPLING

##-## NEGATIVE for ACM

##-## POSITIVE for ACM

KEY PLAN



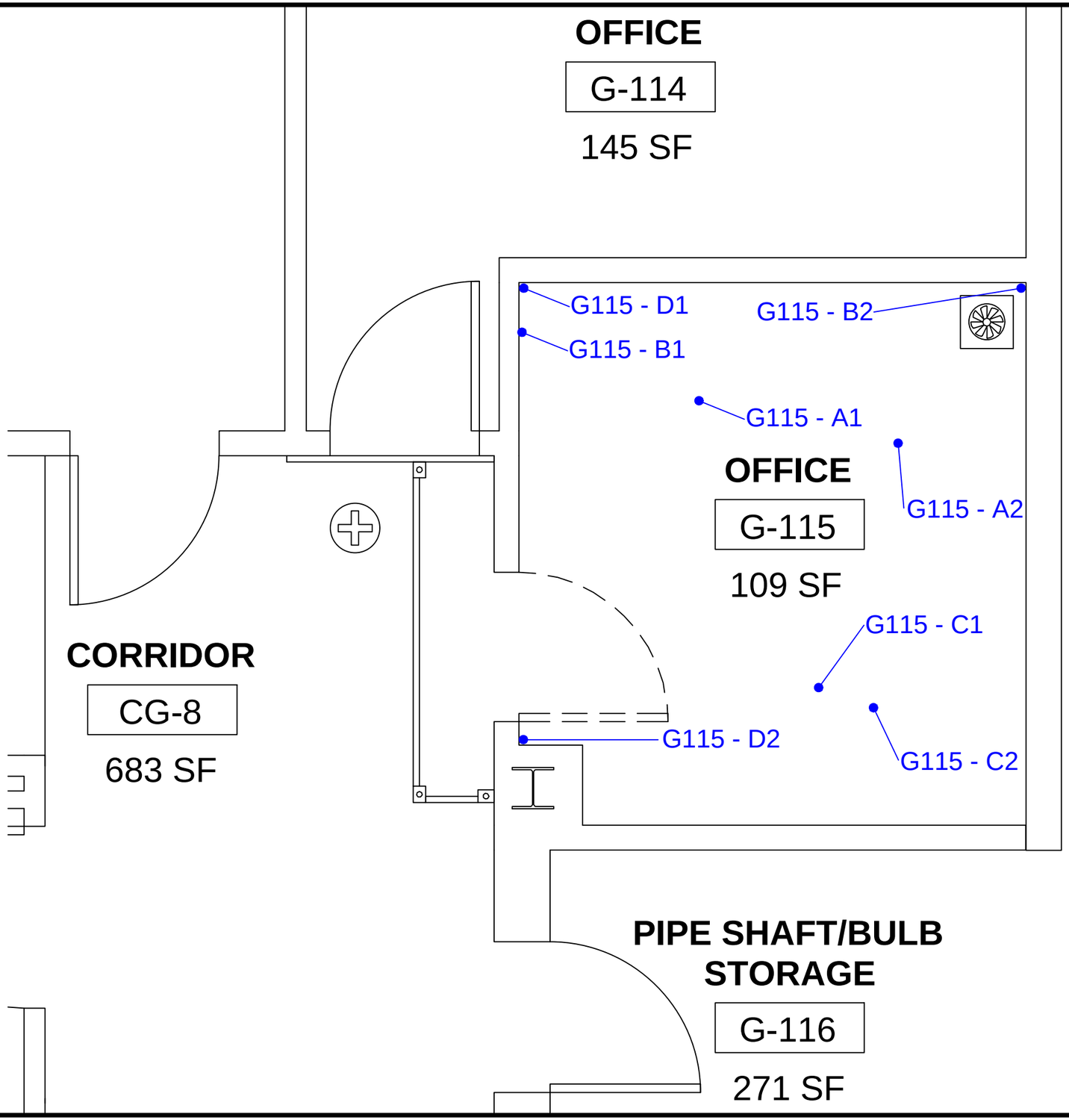
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

21
Figure

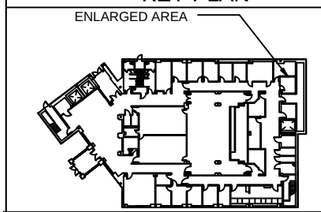


BUILDING #44
ROOM #G115

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



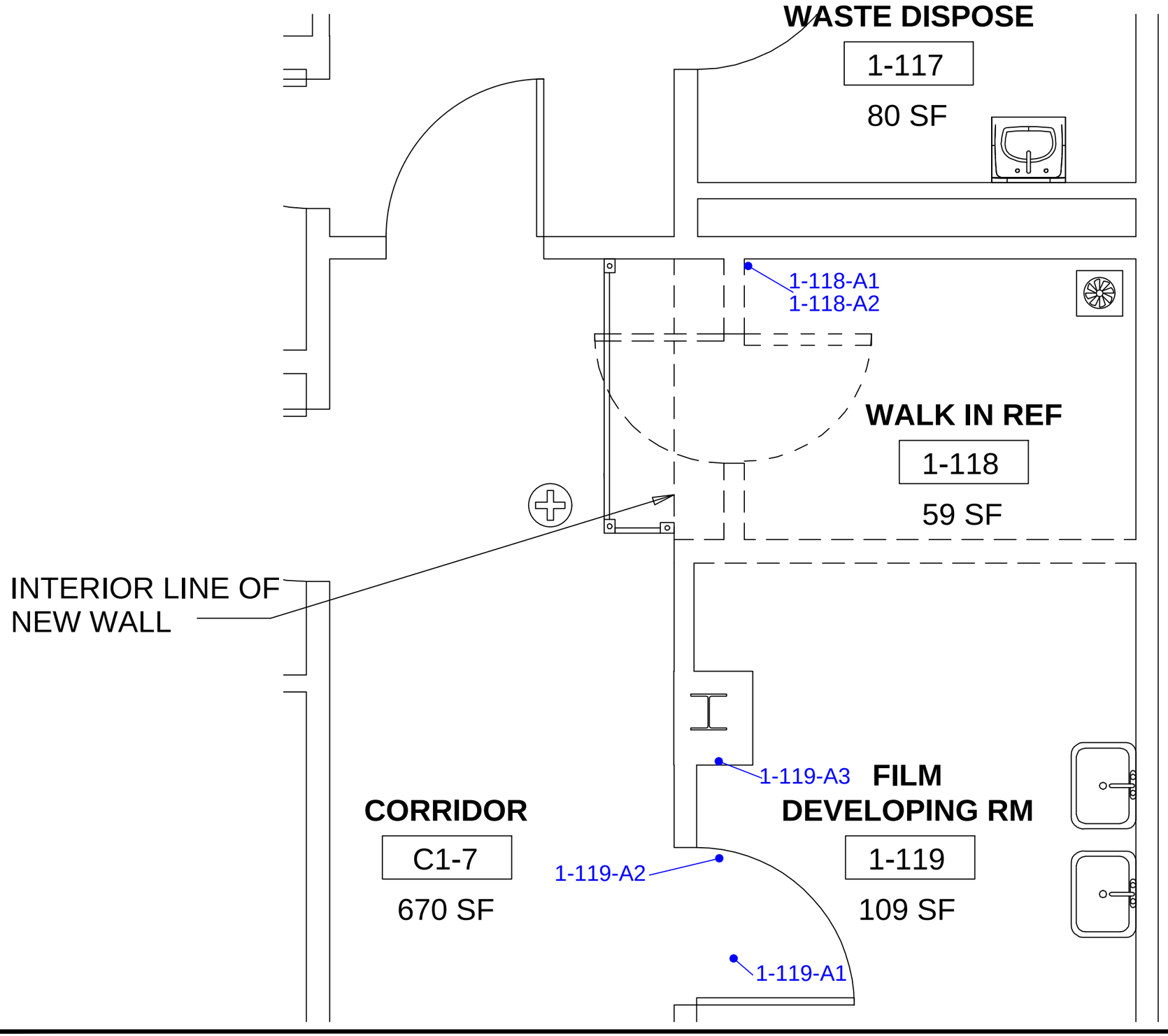
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

22
Figure

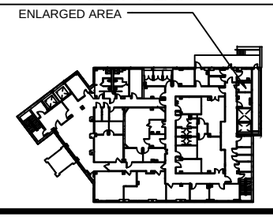


BUILDING #44
ROOM #1-118

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



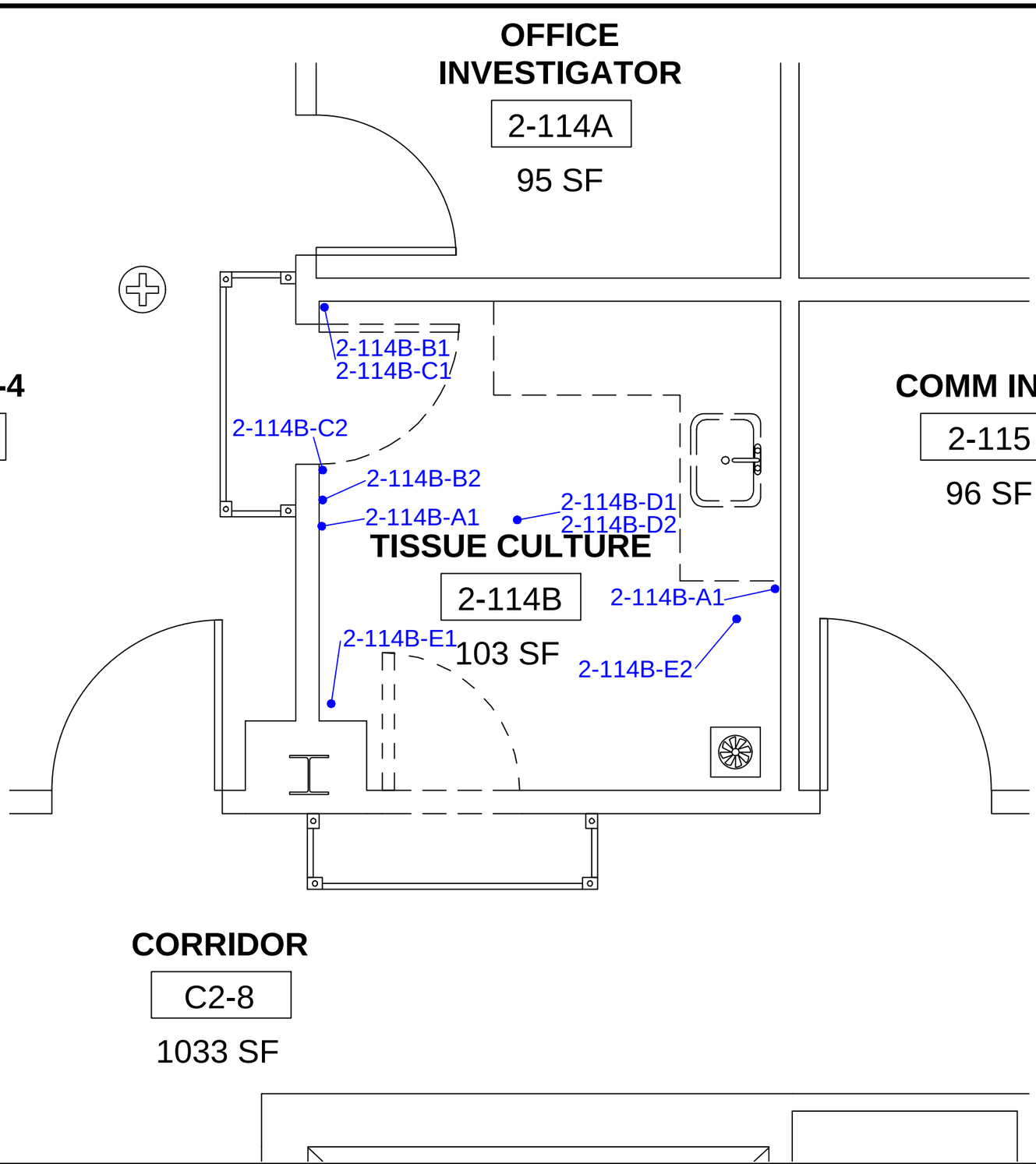
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

23
Figure

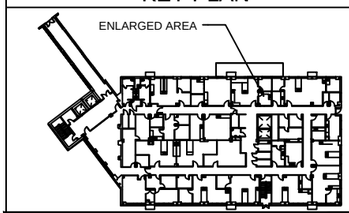


BUILDING #44
ROOM #2-114B

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



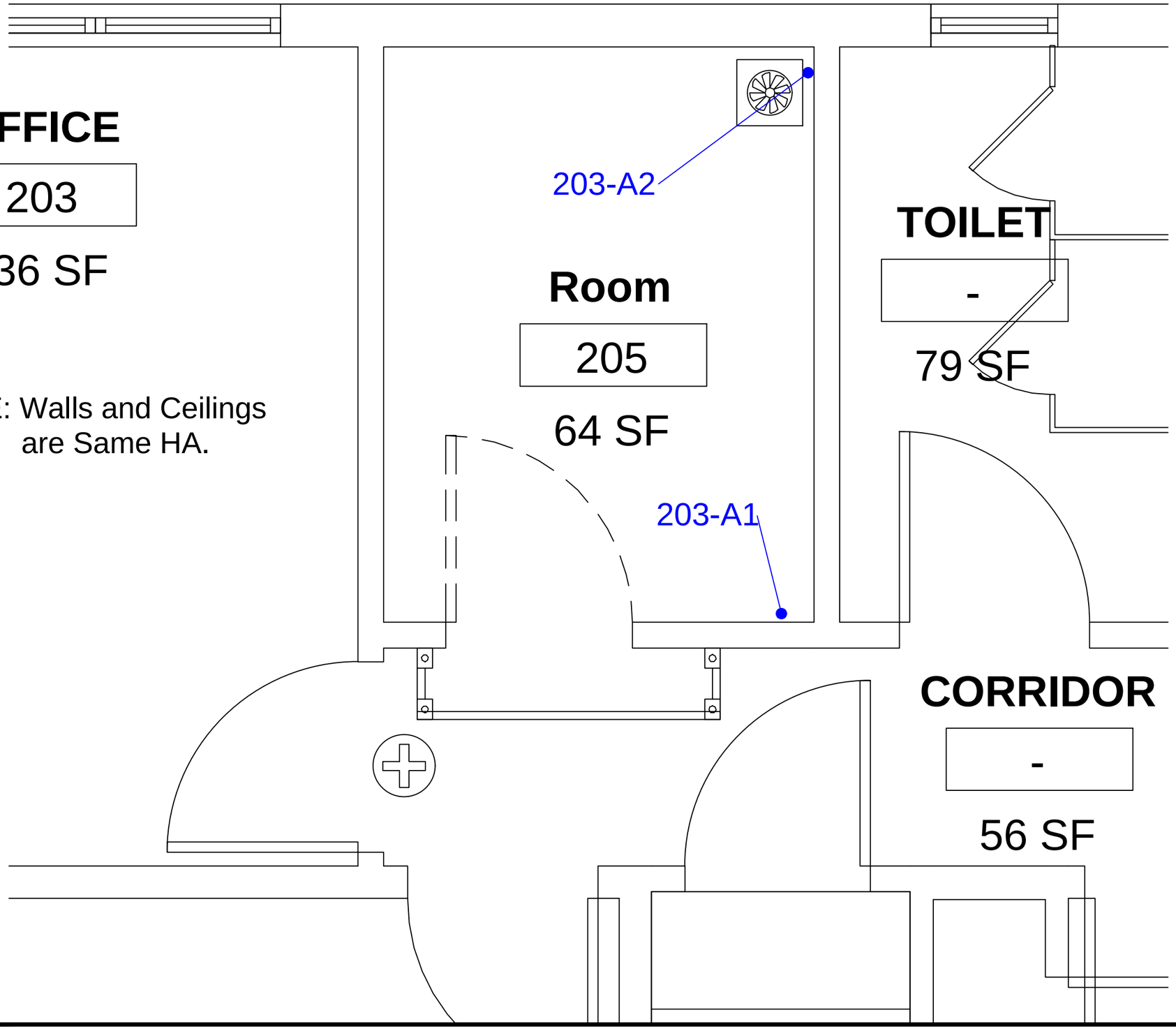
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

24
Figure

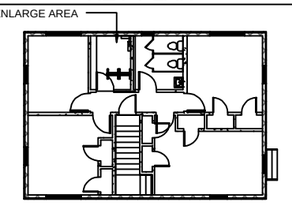


BUILDING #T59
ROOM #205

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



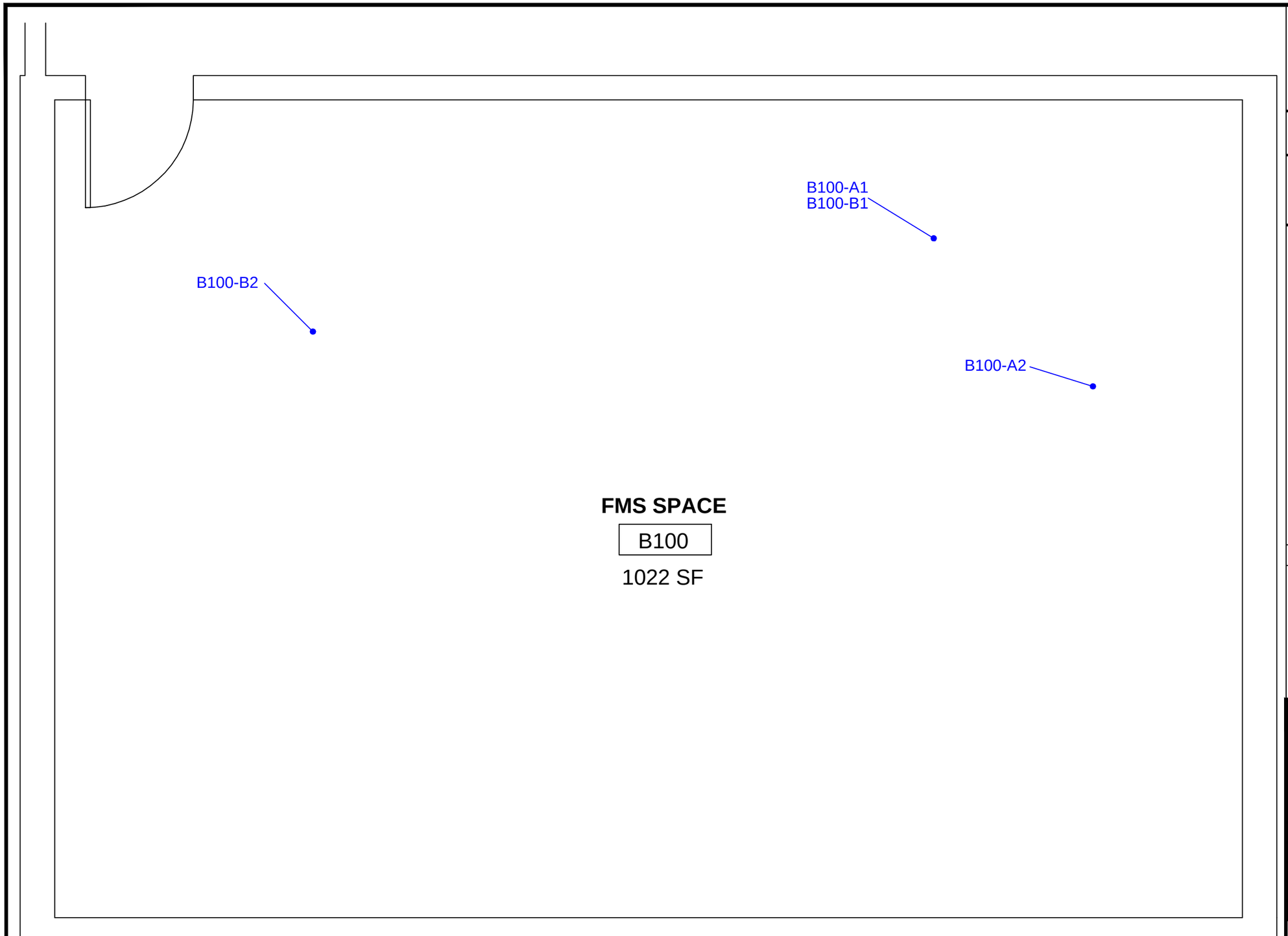
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

25
Figure

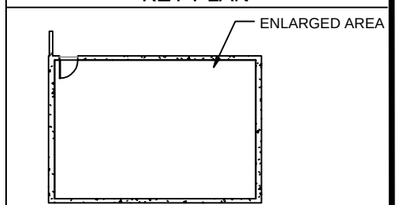


BUILDING #T62
ROOM #B100

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



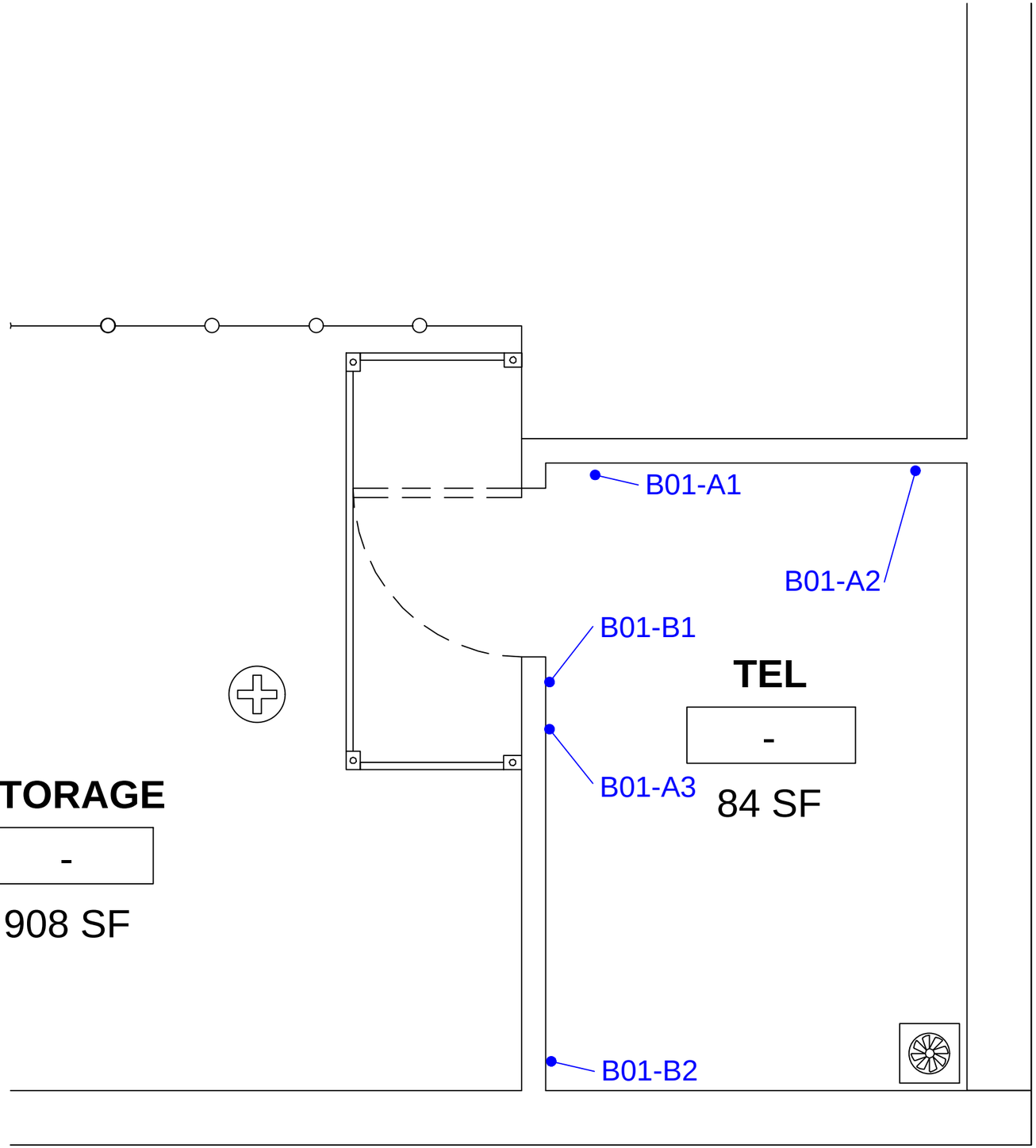
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

26
Figure



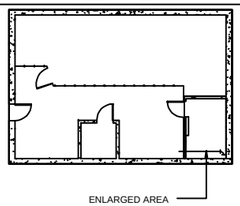
BUILDING #T63

ROOM #B01

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



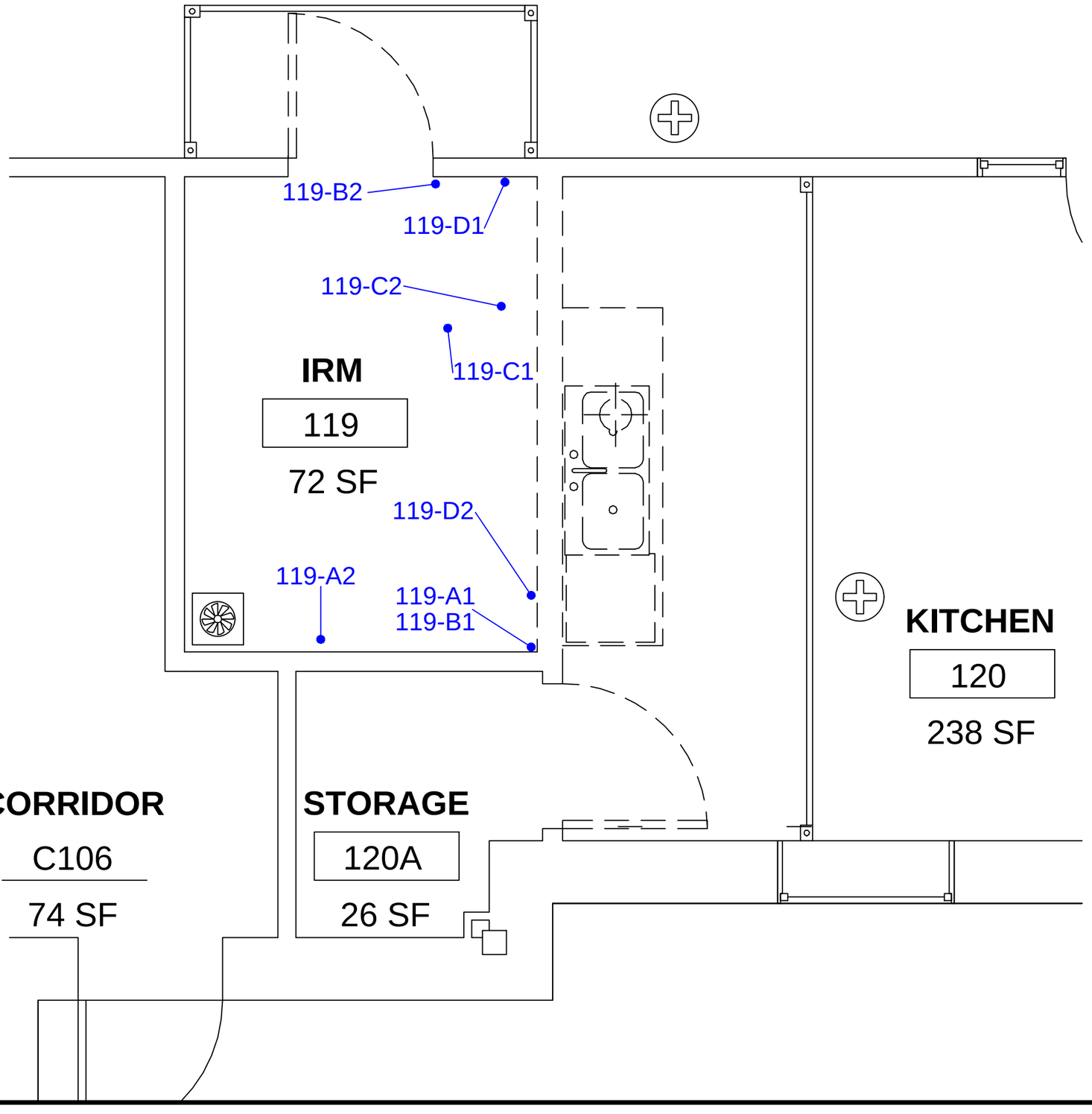
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

27
Figure



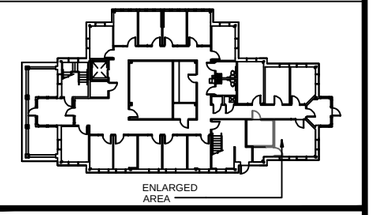
BUILDING #65

ROOM #119

ASBESTOS SAMPLING

##-## **NEGATIVE for ACM**
##-## **POSITIVE for ACM**

KEY PLAN



VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

28
Figure

** NOTE: Wall and Drywall Ceilings are Same HA.

CHIP PROCESSING

B1000

1931 SF

B1000-A1

B1000-B2

B1000-B1

B1000-A2

UP

BUILDING #66

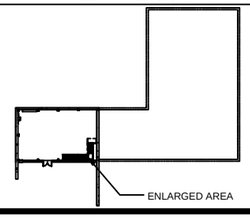
ROOM #B1000

ASBESTOS SAMPLING

##-## NEGATIVE for ACM

##-## POSITIVE for ACM

KEY PLAN



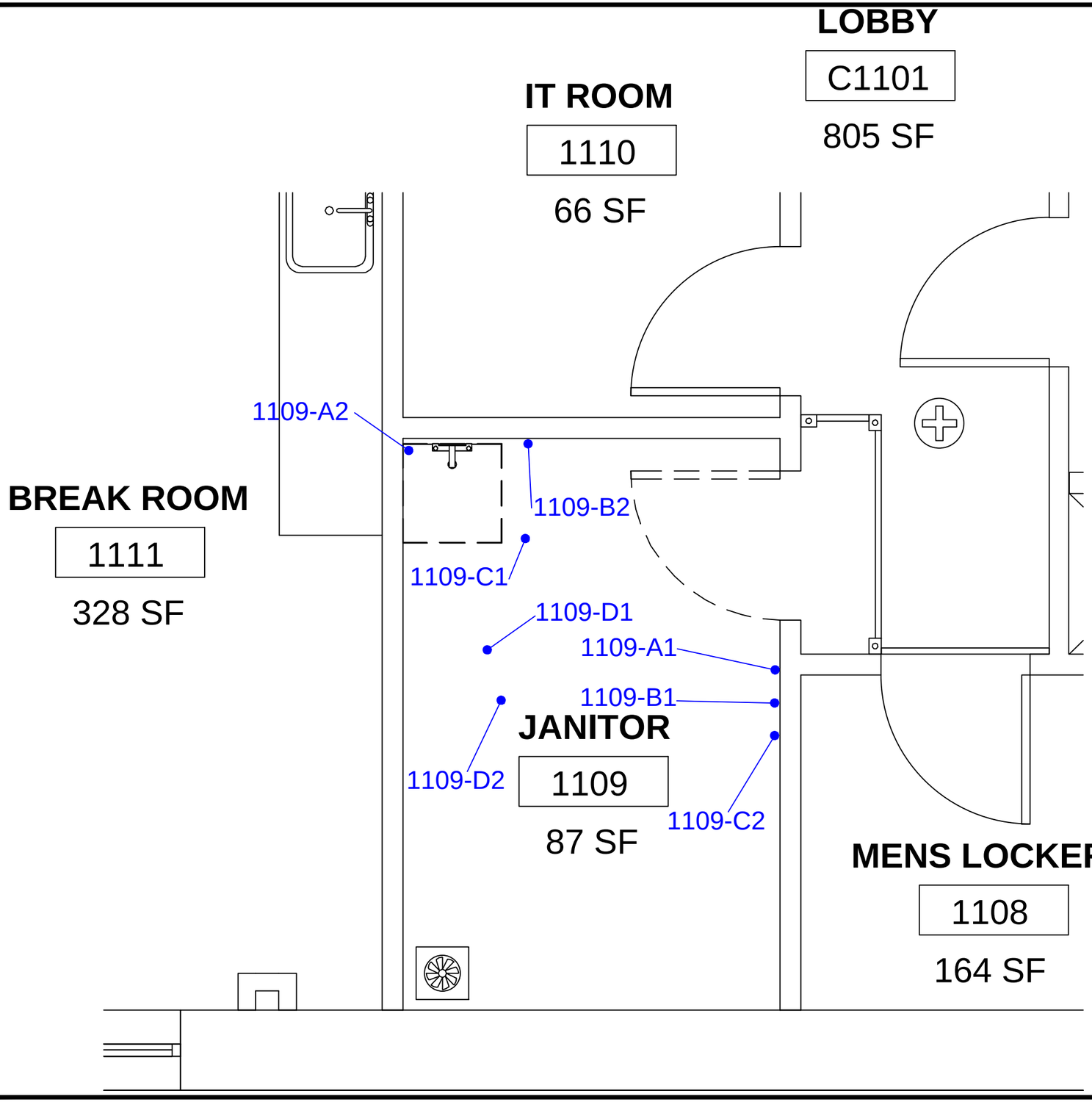
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

29
Figure



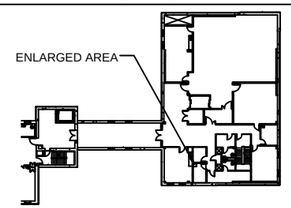
BUILDING #67

ROOM #1109

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



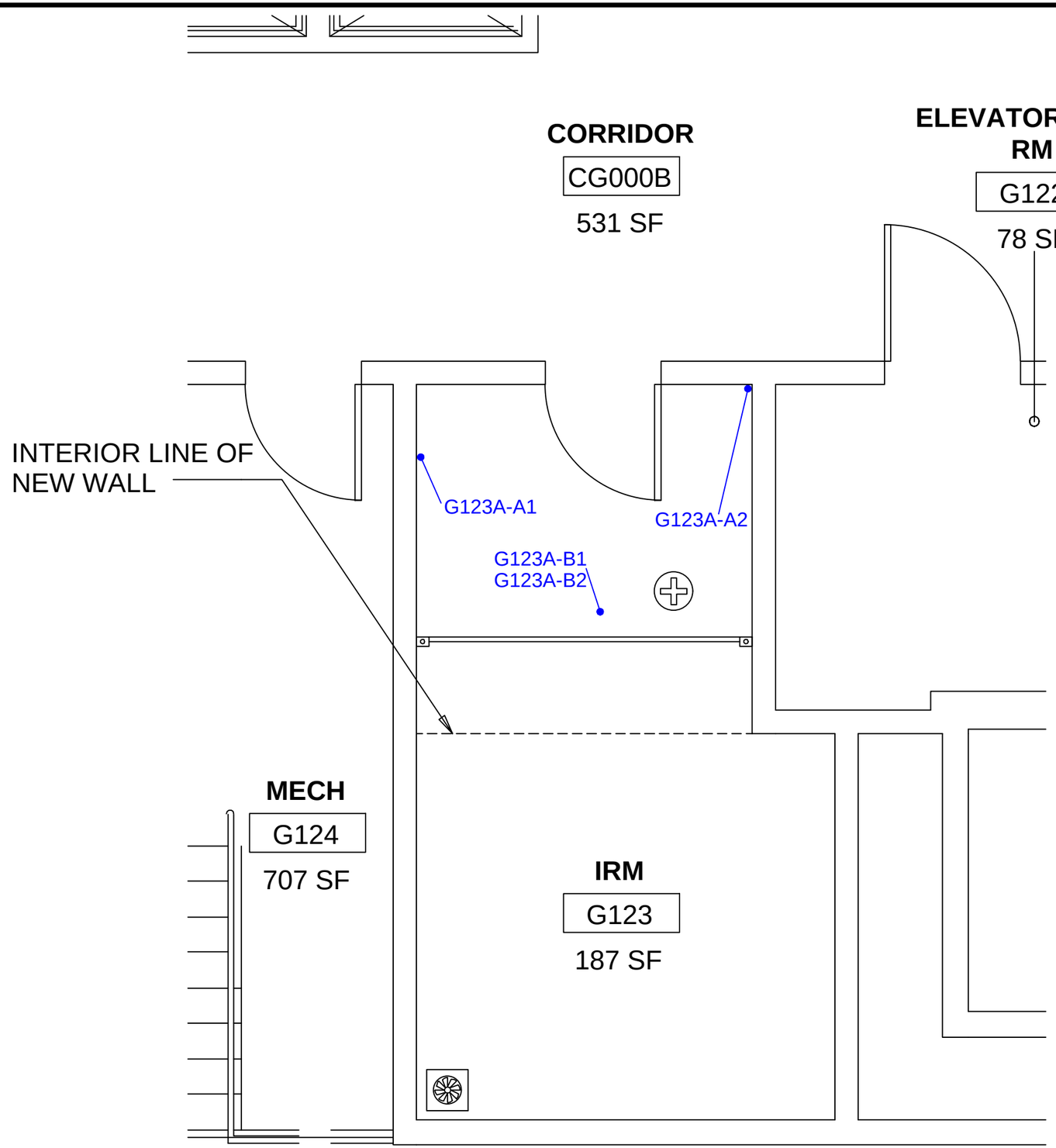
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

30
Figure



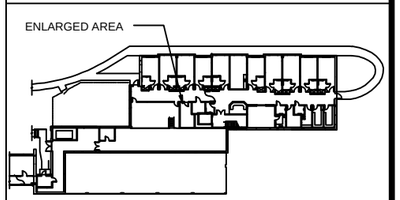
BUILDING #88

ROOM #G123A

ASBESTOS SAMPLING

##-## NEGATIVE for ACM
##-## POSITIVE for ACM

KEY PLAN



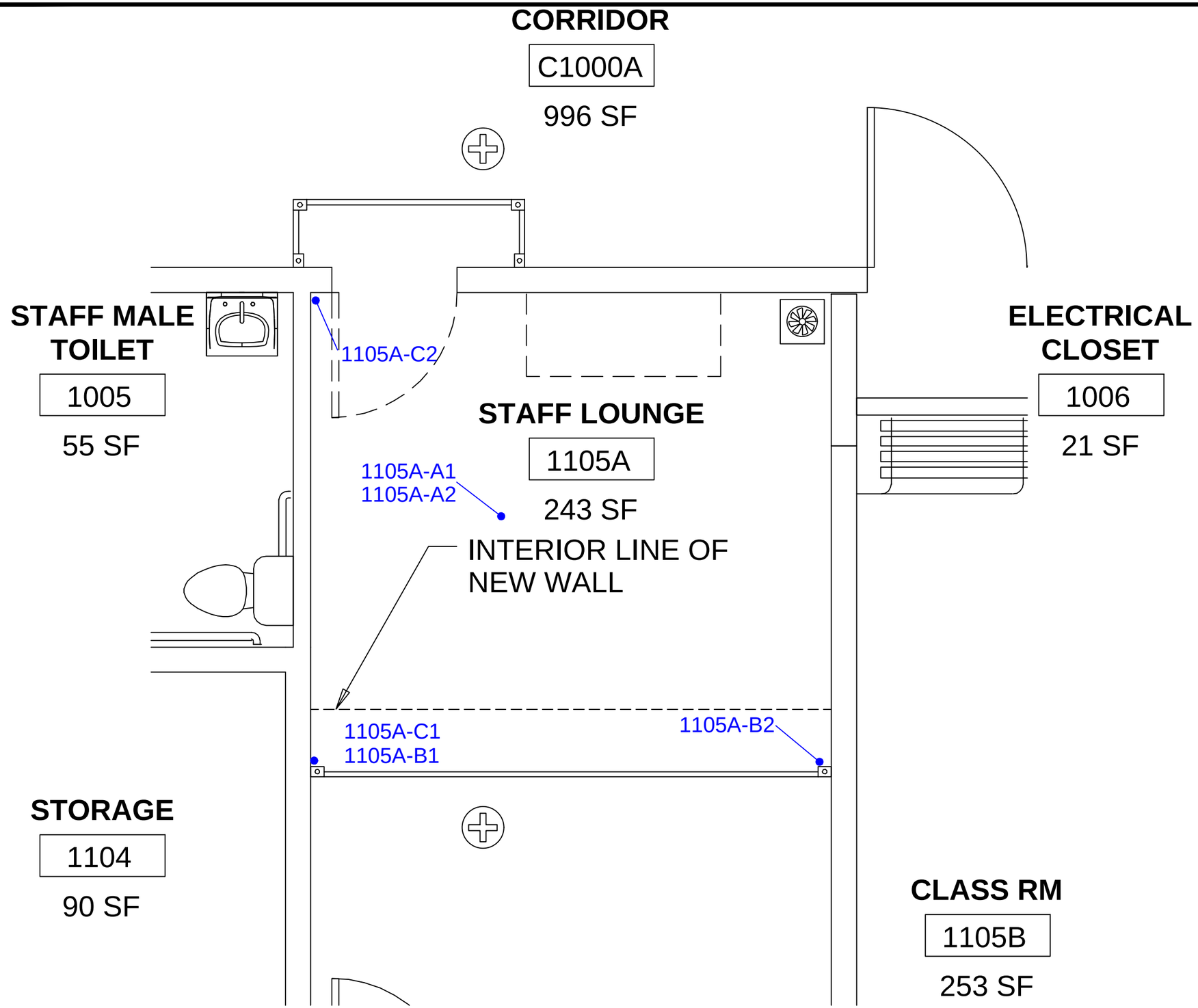
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

31
Figure



BUILDING #88

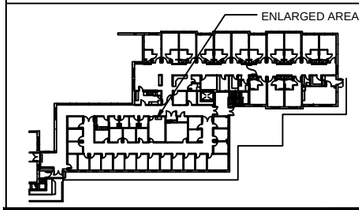
ROOM #1105C

ASBESTOS SAMPLING

##-## NEGATIVE for ACM

##-## POSITIVE for ACM

KEY PLAN



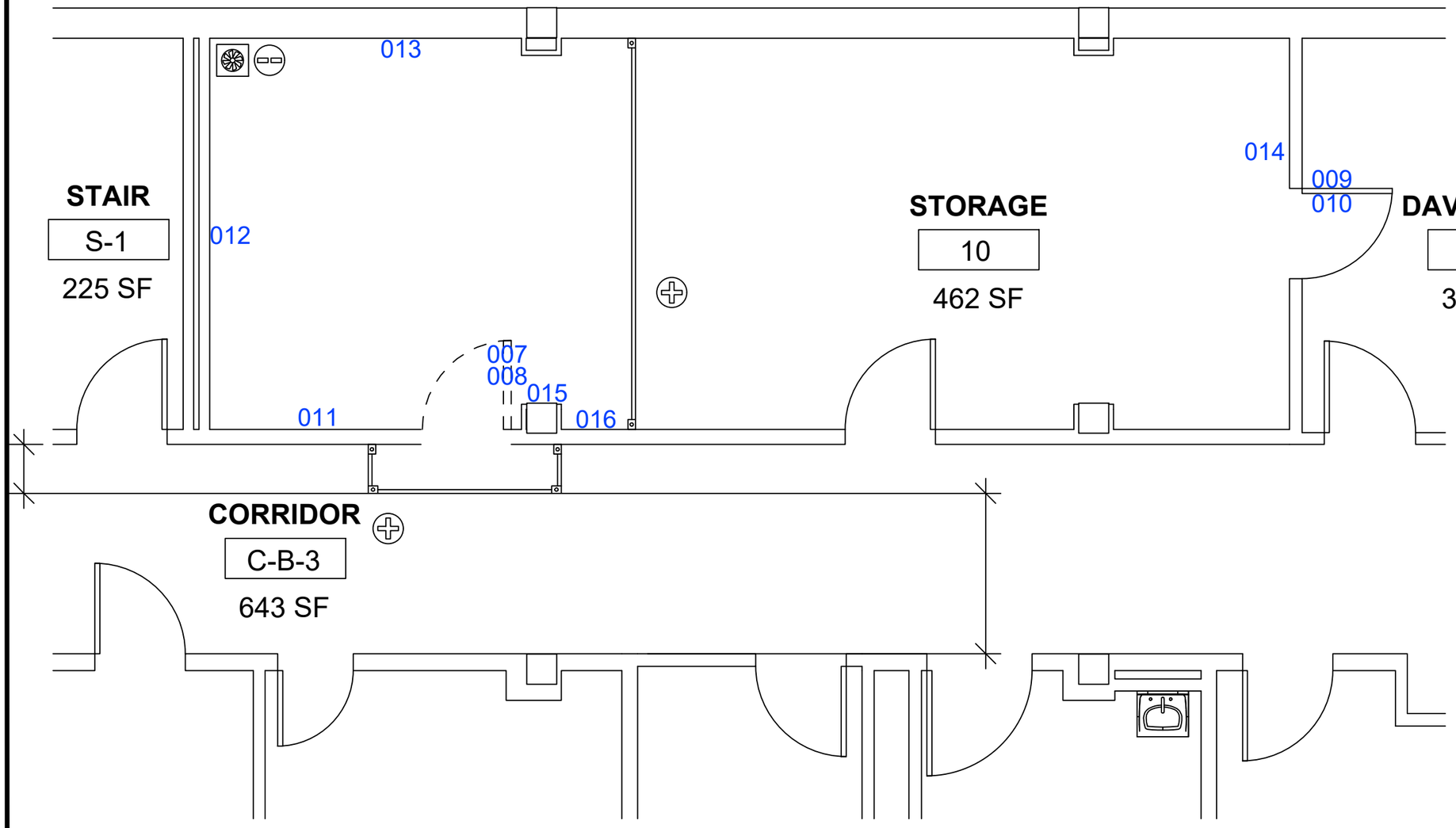
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

32
Figure



BUILDING #1

ROOM #10

Lead Based Paint

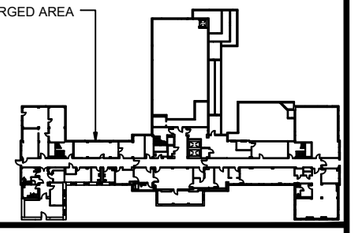
NEGATIVE for LBP

POSITIVE for LBP

0 3' 6'

Approximate Scale in Feet

ENLARGED AREA



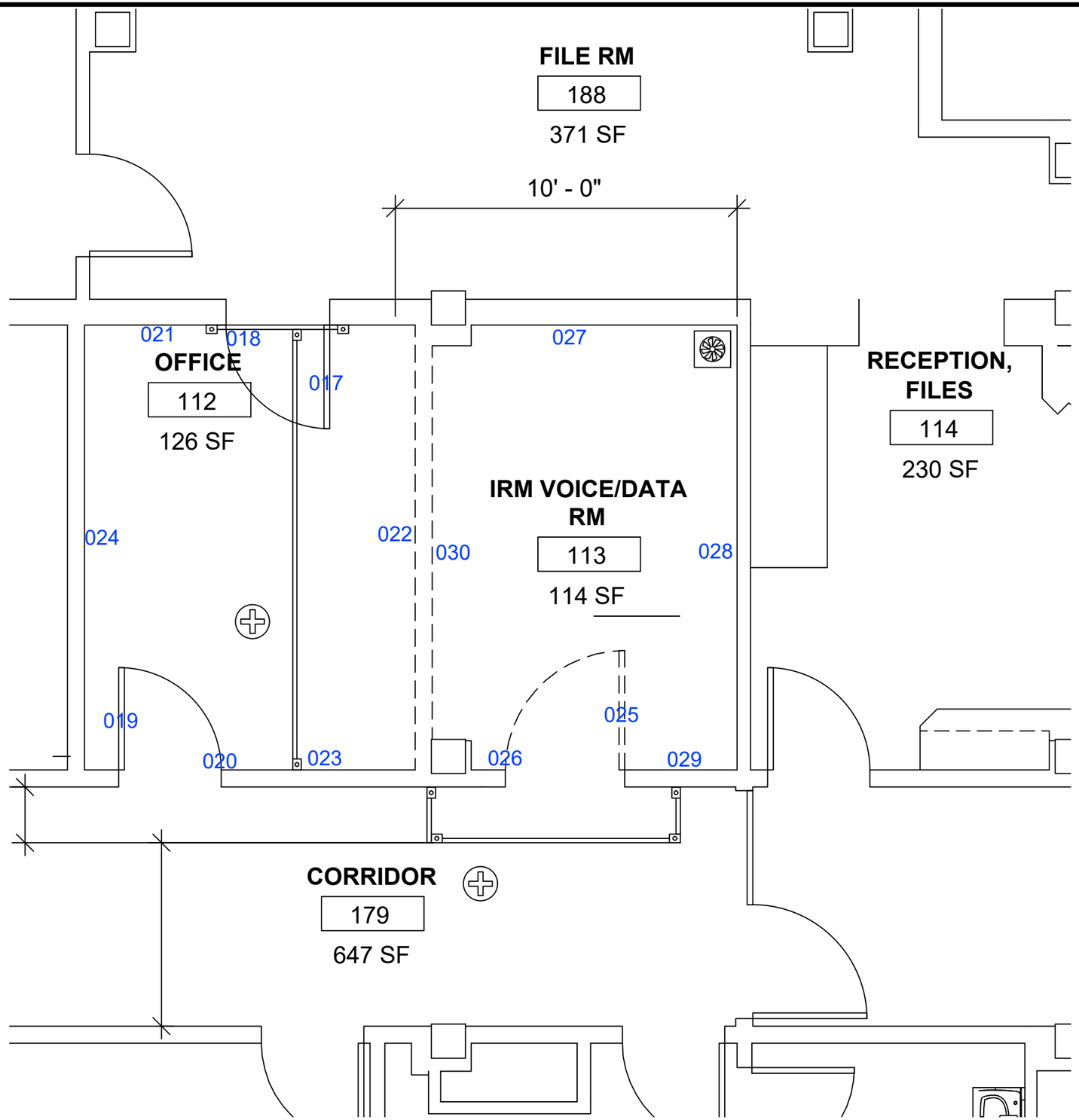
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

1
Figure



BUILDING #1

ROOM #112-#113

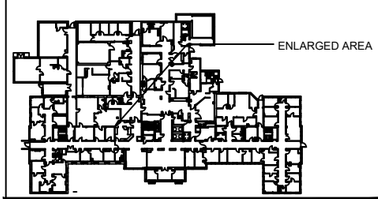
Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

0 3' 6'

Approximate Scale in Feet

KEY PLAN



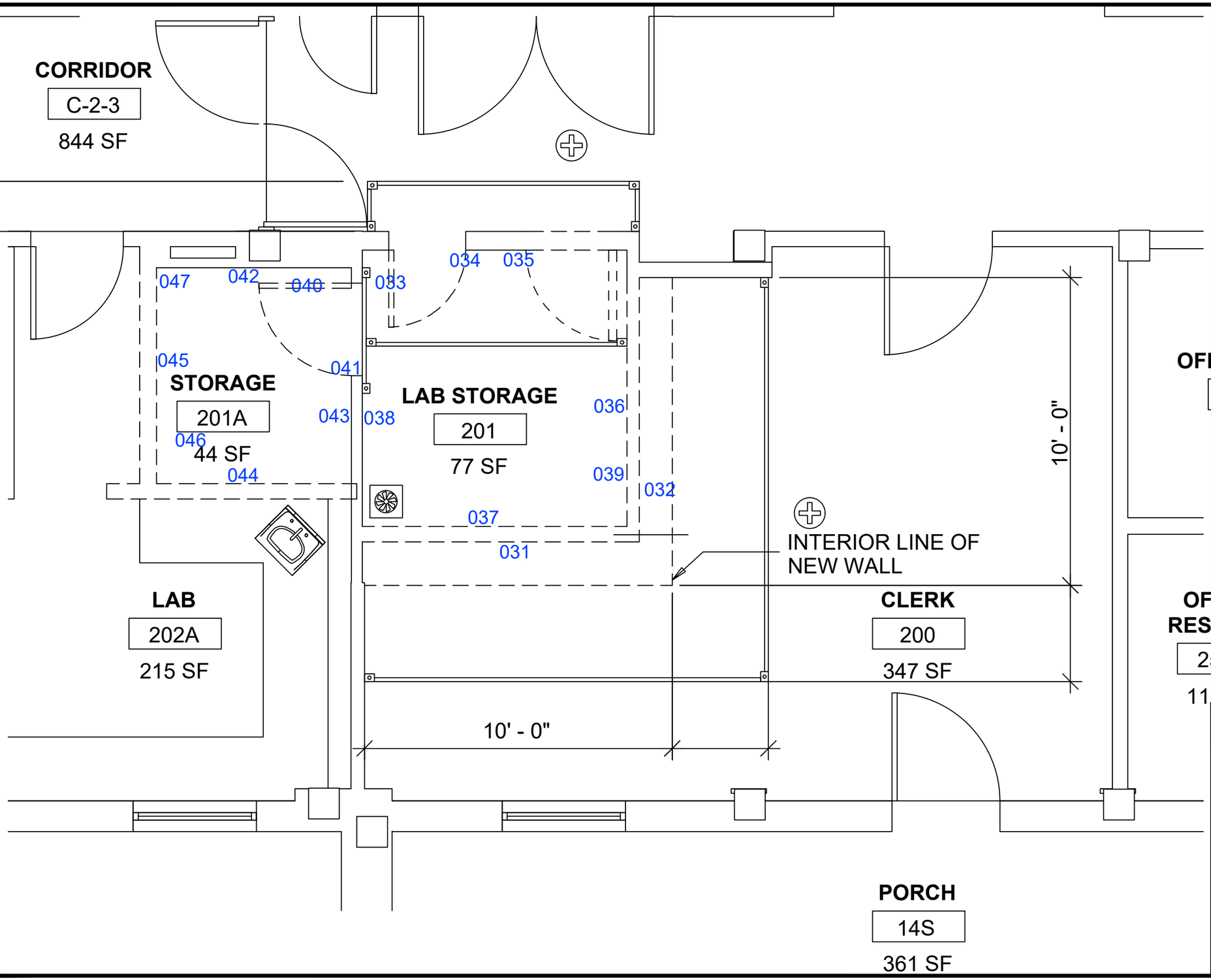
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

2
Figure



BUILDING #1

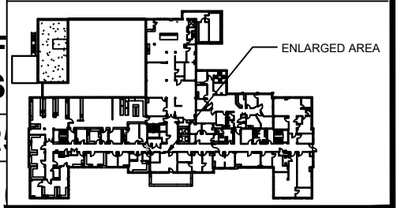
ROOM #201

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



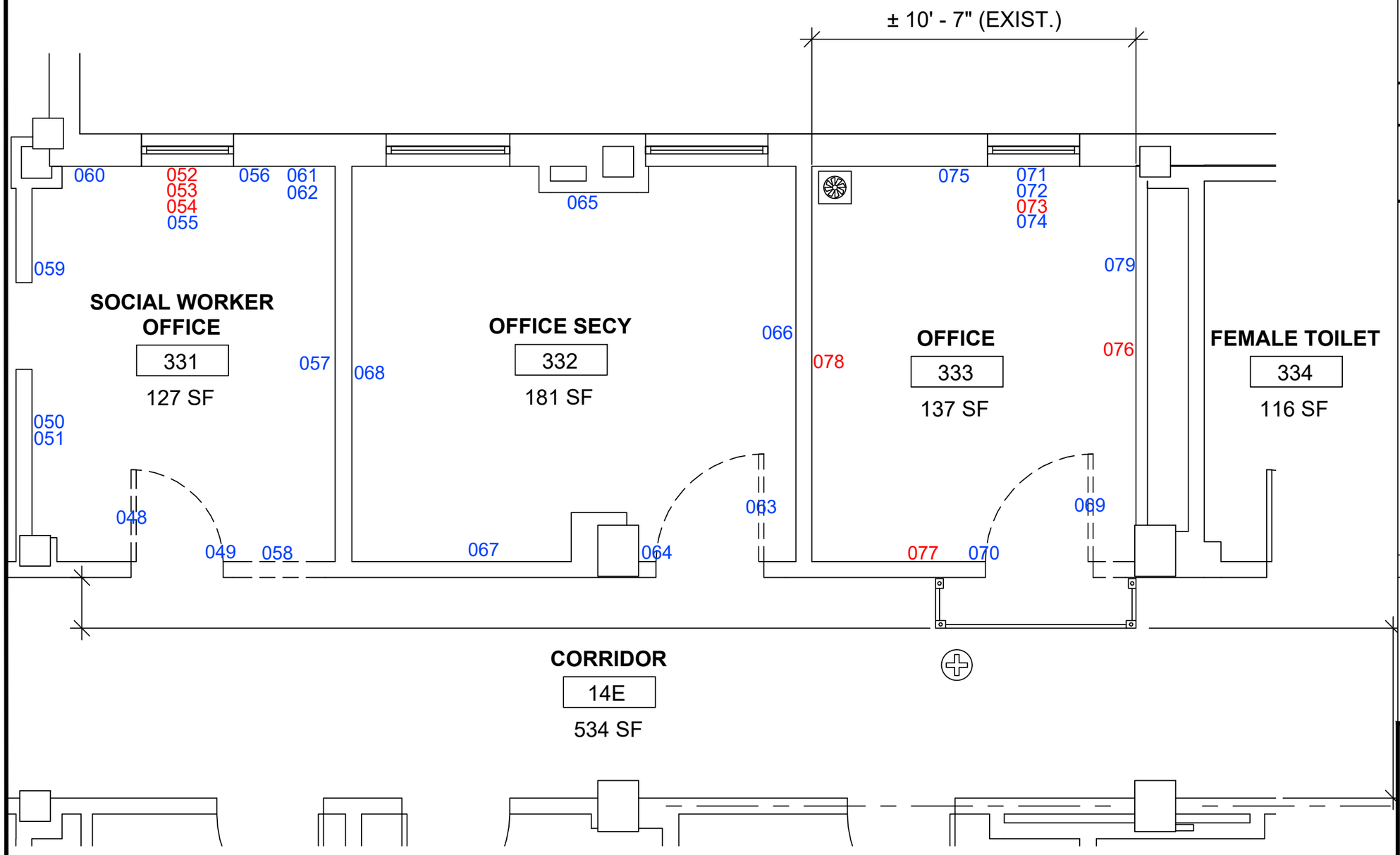
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

3
Figure



BUILDING #1

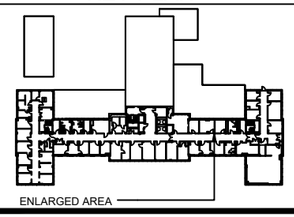
ROOM #331, 332, 333

Lead Based Paint

###	NEGATIVE for LBP
###	POSITIVE for LBP

052	4.7 - Window Sill
053	4.7 - Window Apron
054	4.8 - Window Casing
073	4.2 - Window Casing
076	3.2 - Plaster Wall
077	8.1 - Plaster Wall
078	9.0 - Plaster Wall

KEY PLAN



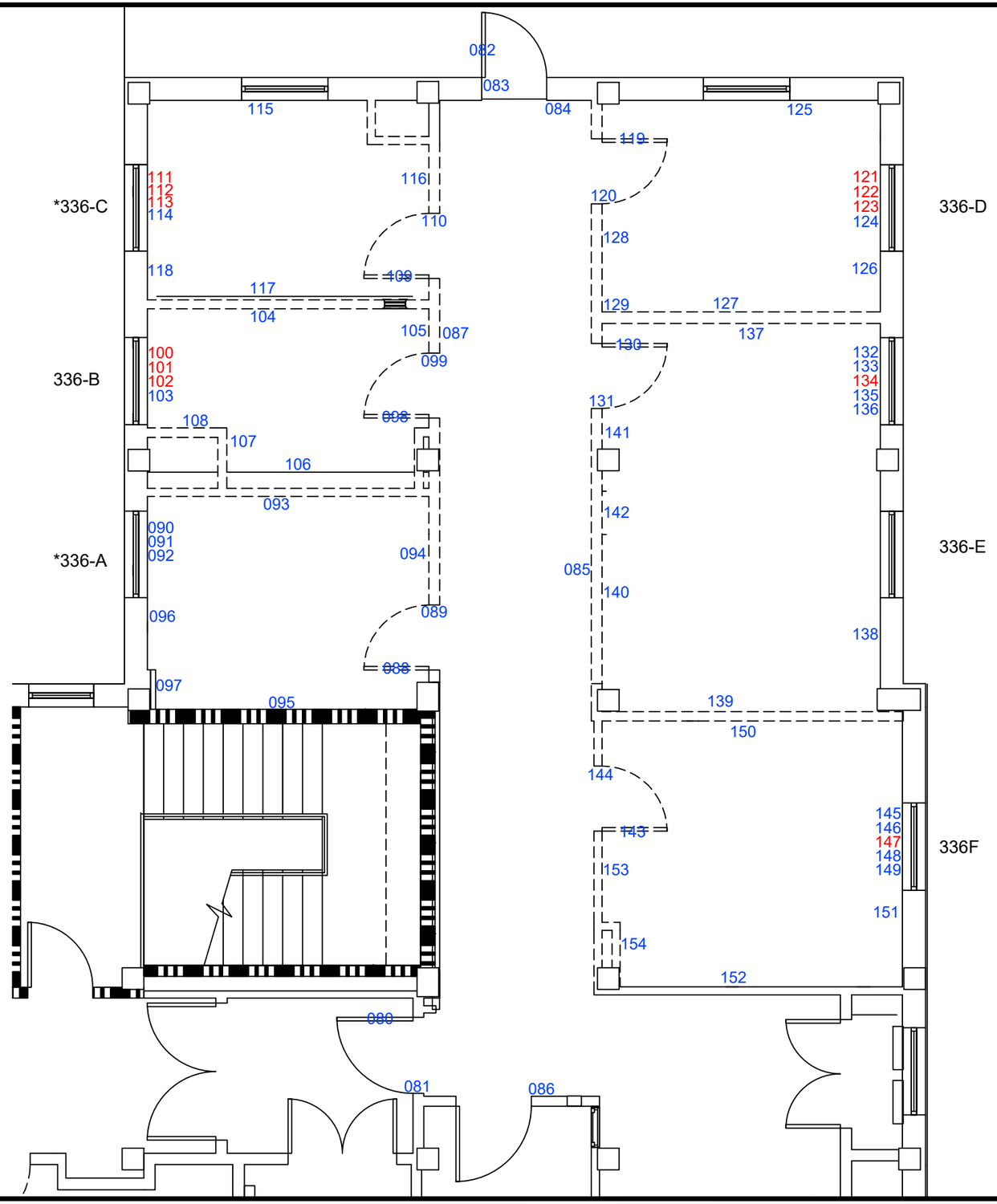
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

4
Figure



BUILDING #1

ROOM #336A - 336F

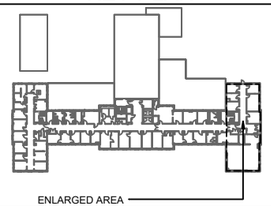
Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

100	2.1 - Window Sill
101	3.2 - Window Apron
102	3.2 - Window Casing
111	2.1 - Window Sill
112	2.1 - Window Apron
113	3.2 - Window Casing
121	2.8 - Window Sill
122	4.7 - Window Apron
123	4.7 - Window Casing
134	6.2 - Window Casing
147	5.2 - Window Casing

KEY PLAN



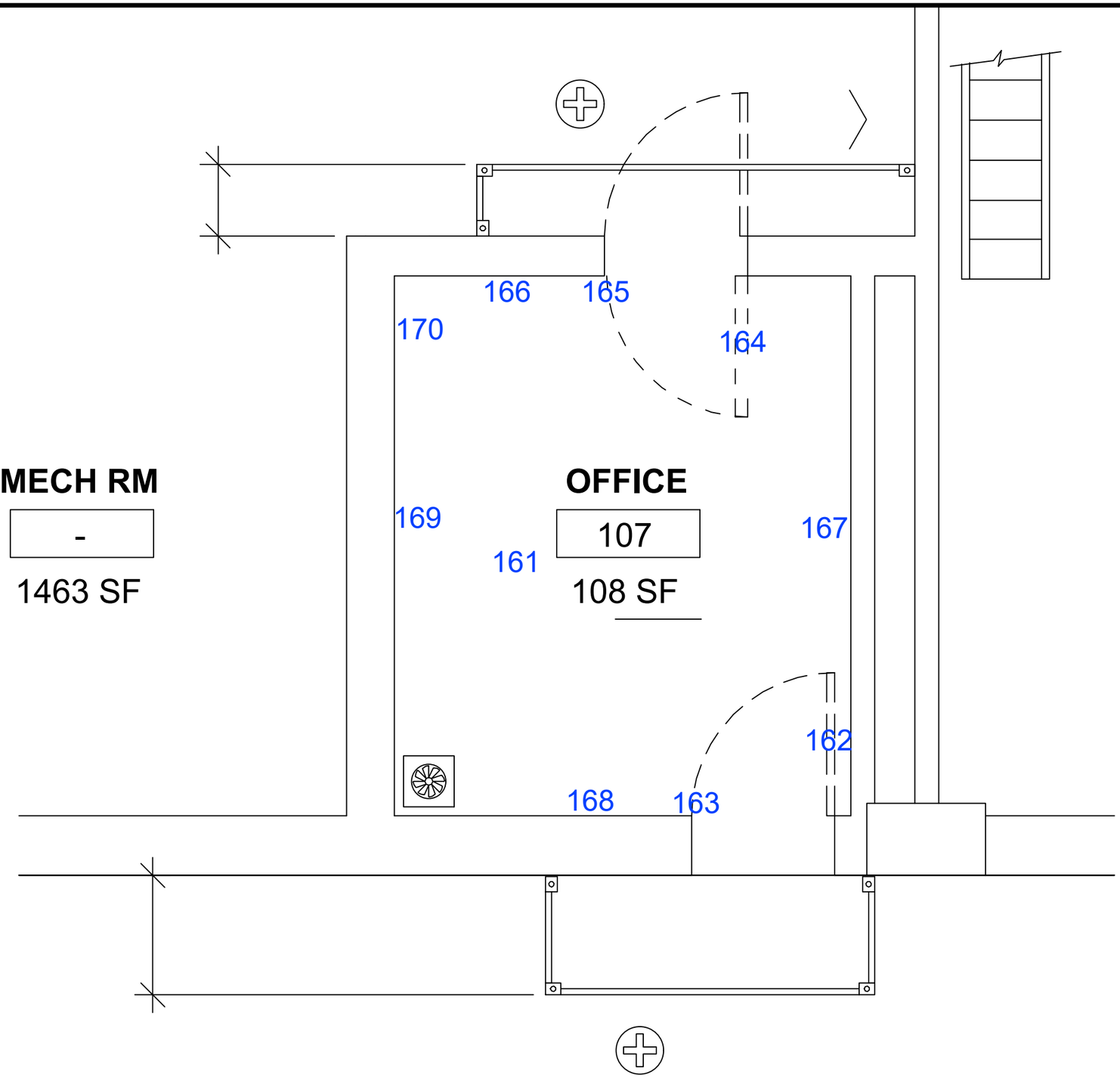
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

5
Figure



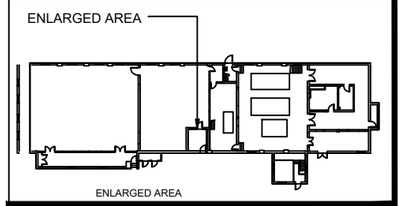
BUILDING #2

ROOM #107

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

KEY PLAN



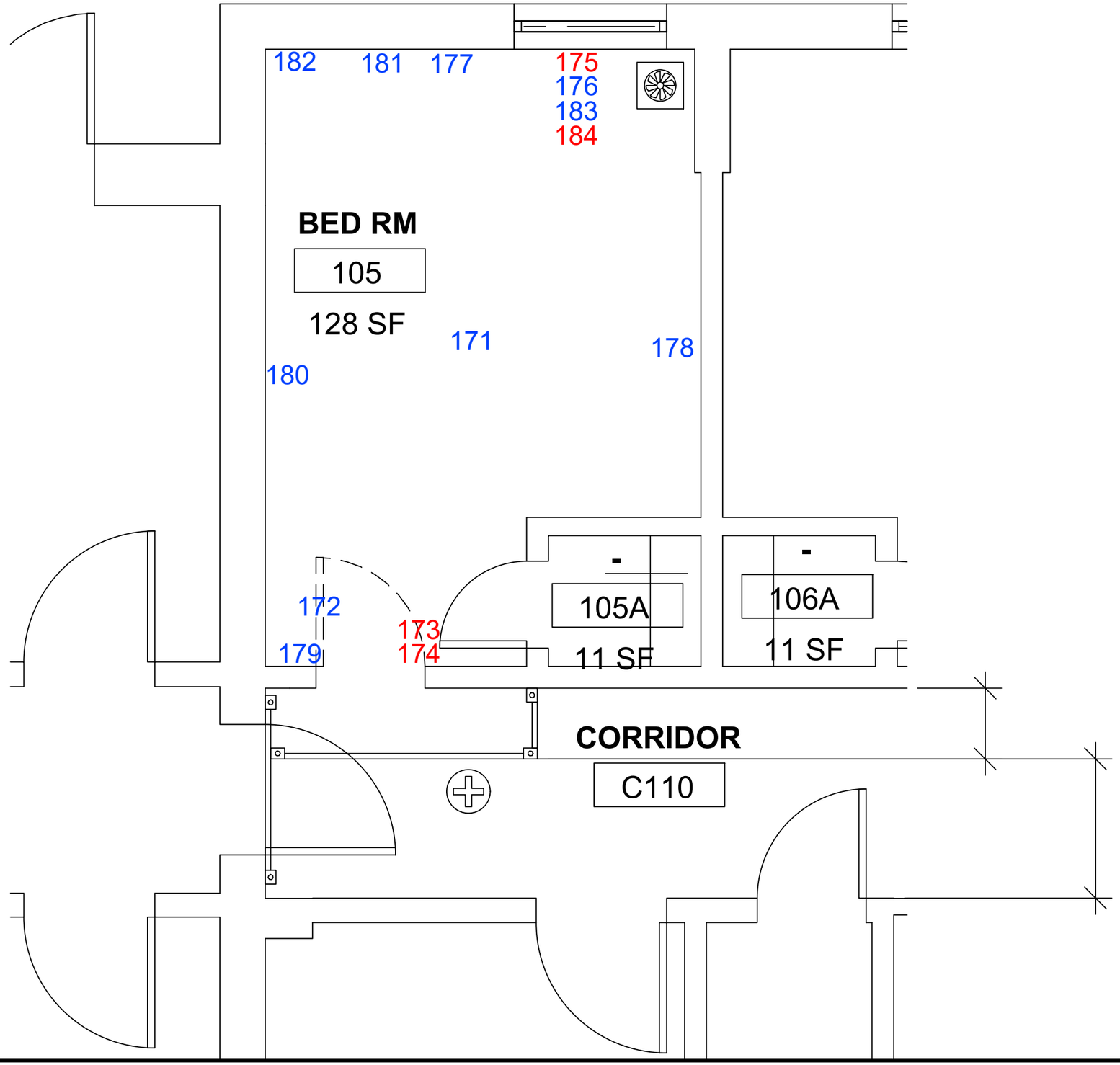
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

6
Figure



BUILDING #4

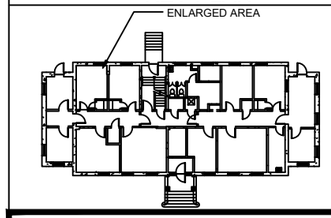
ROOM #105

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

173 7.4 - Door Casing
174 4.5 - Door Jamb
175 3.8 - Window Sill
184 6.3 - Window Casing

KEY PLAN



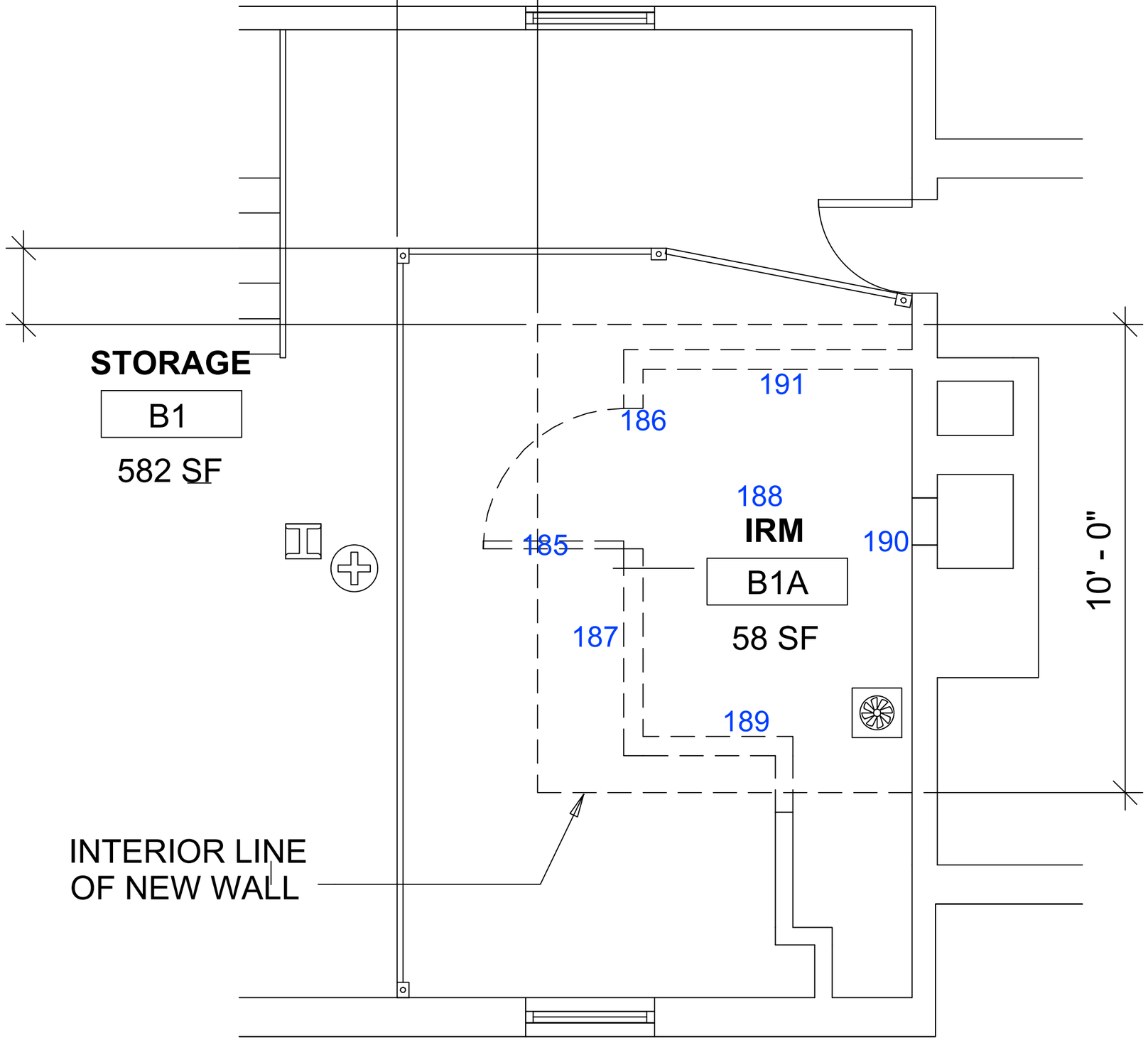
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

7
Figure



BUILDING #6

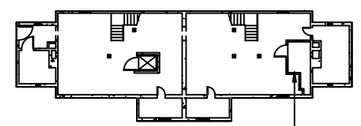
ROOM #B1A

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



ENLARGED AREA

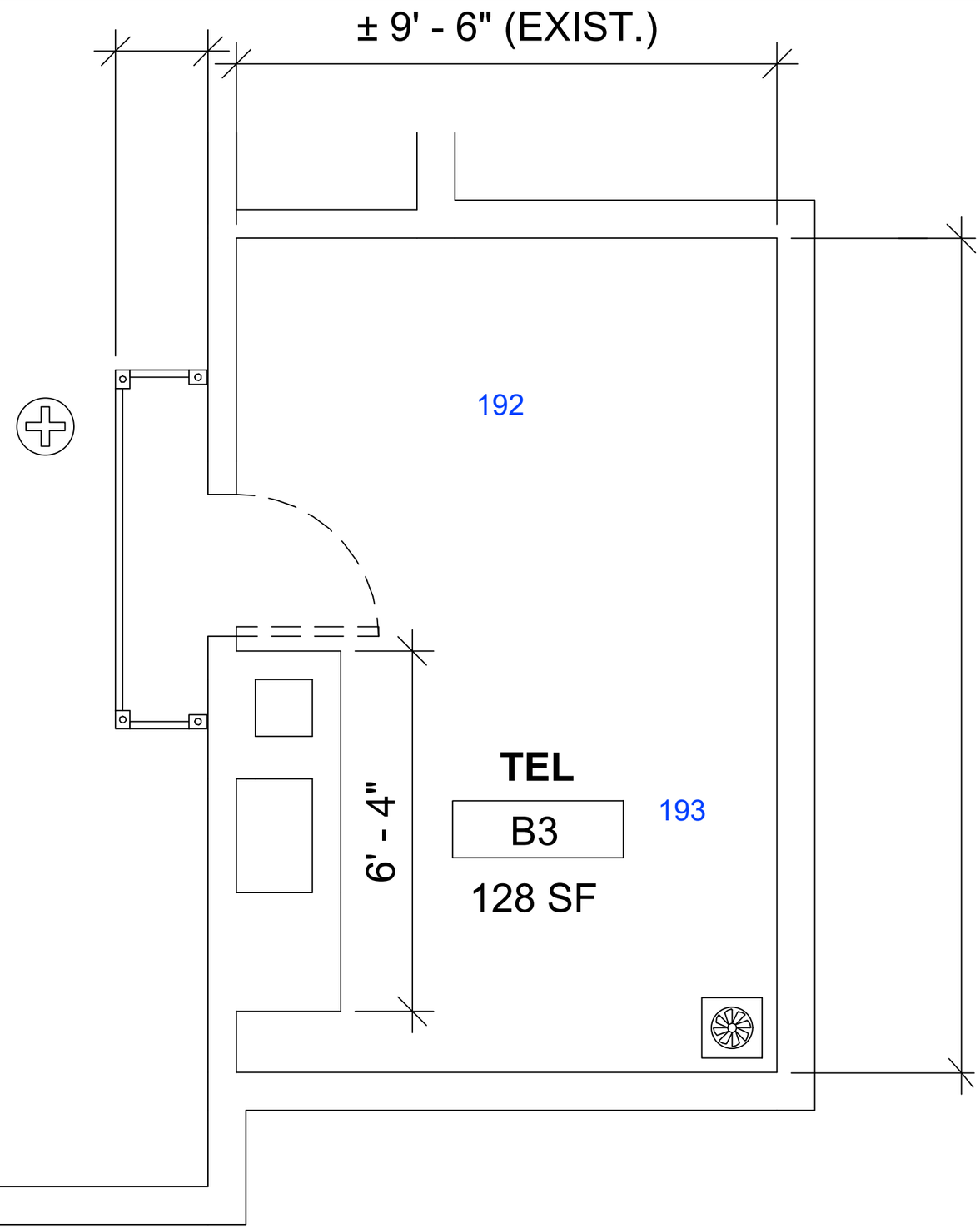
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

8
Figure



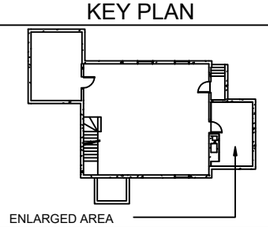
BUILDING #7

ROOM #B3

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

KEY PLAN



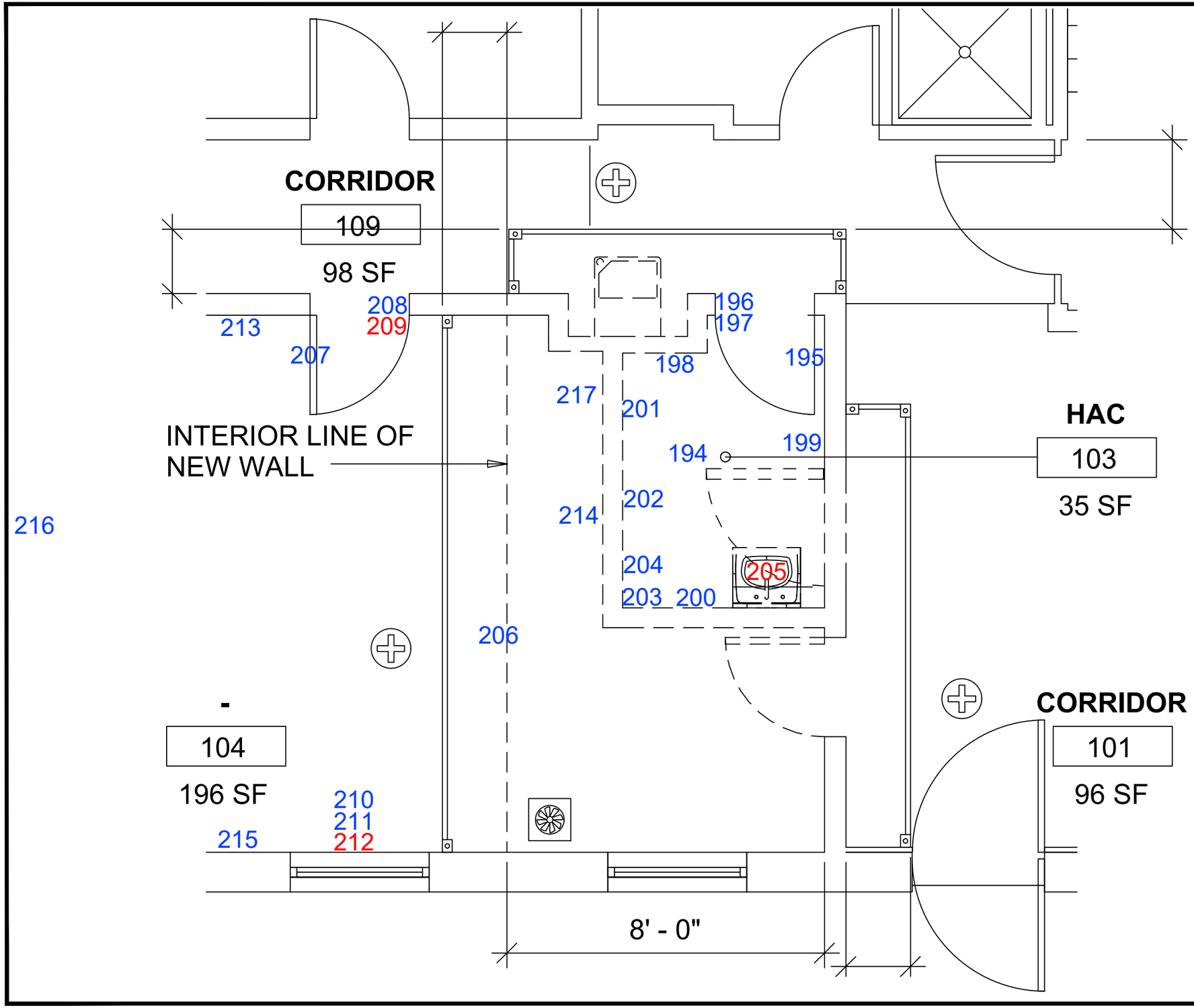
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

9
Figure



BUILDING #9

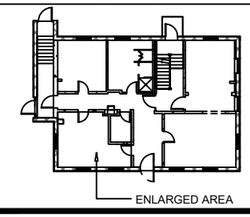
ROOM #104 & #103

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

205 37.0 - Sink
209 3.7 - Door Jamb
212 1.3 - Window Casing

KEY PLAN



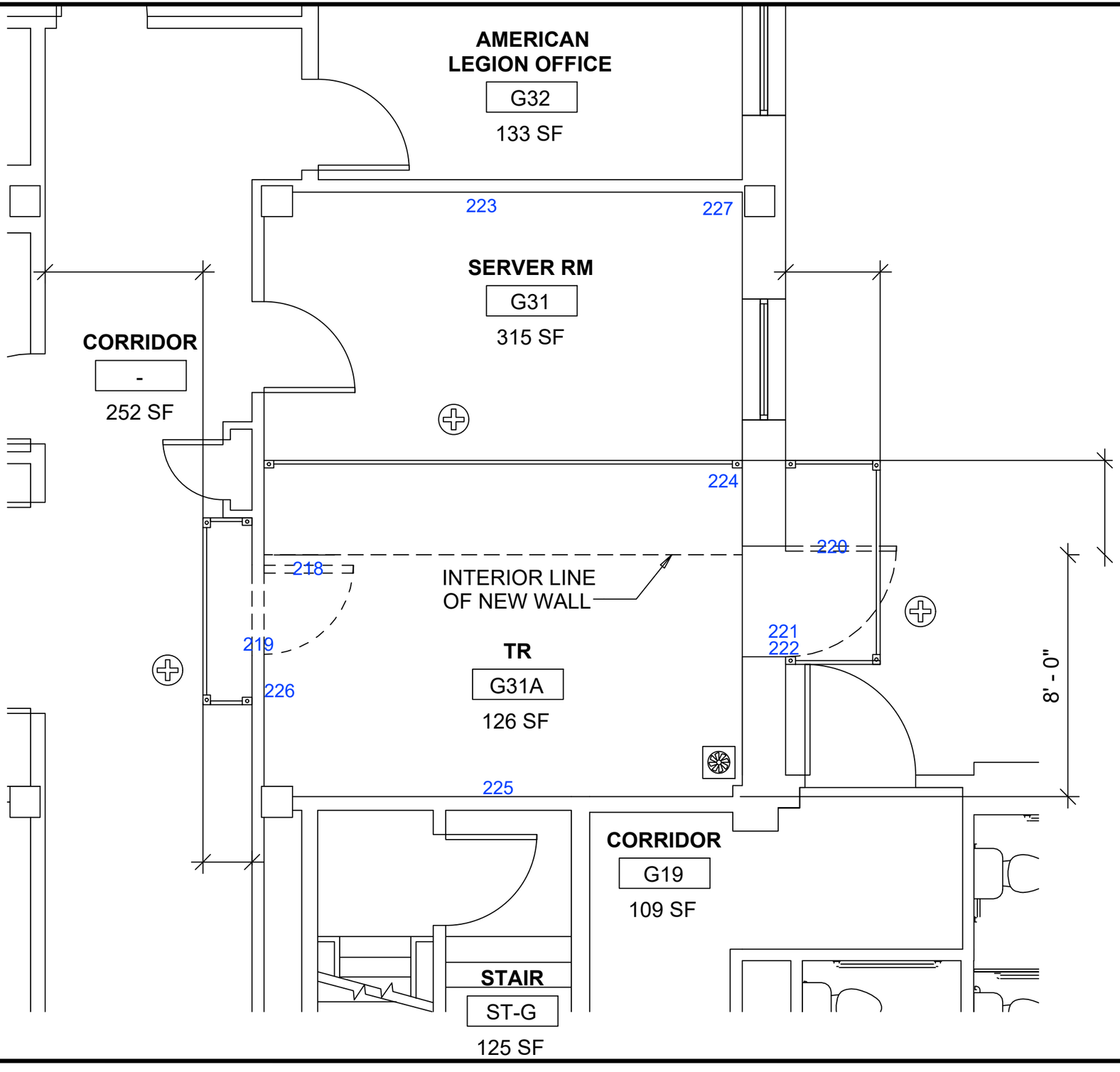
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

10
Figure



BUILDING #28

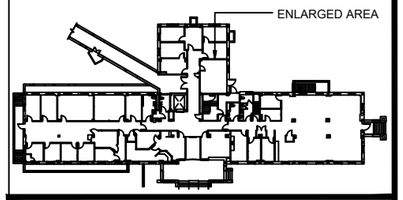
ROOM #G31A

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



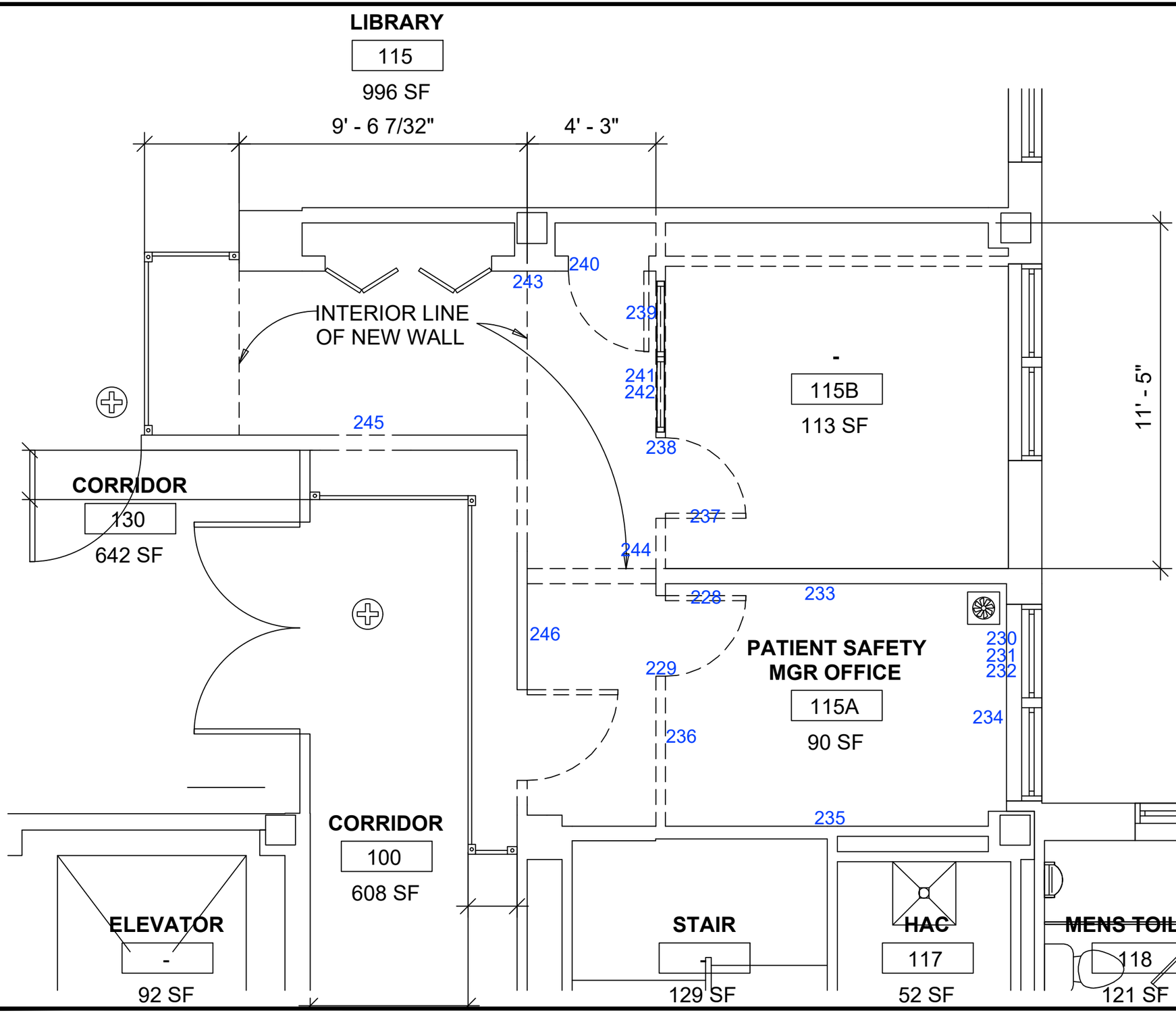
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

11
Figure



BUILDING #28

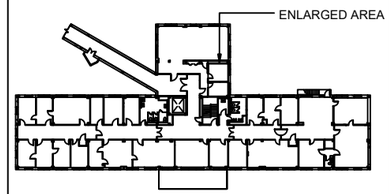
ROOM #115A

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



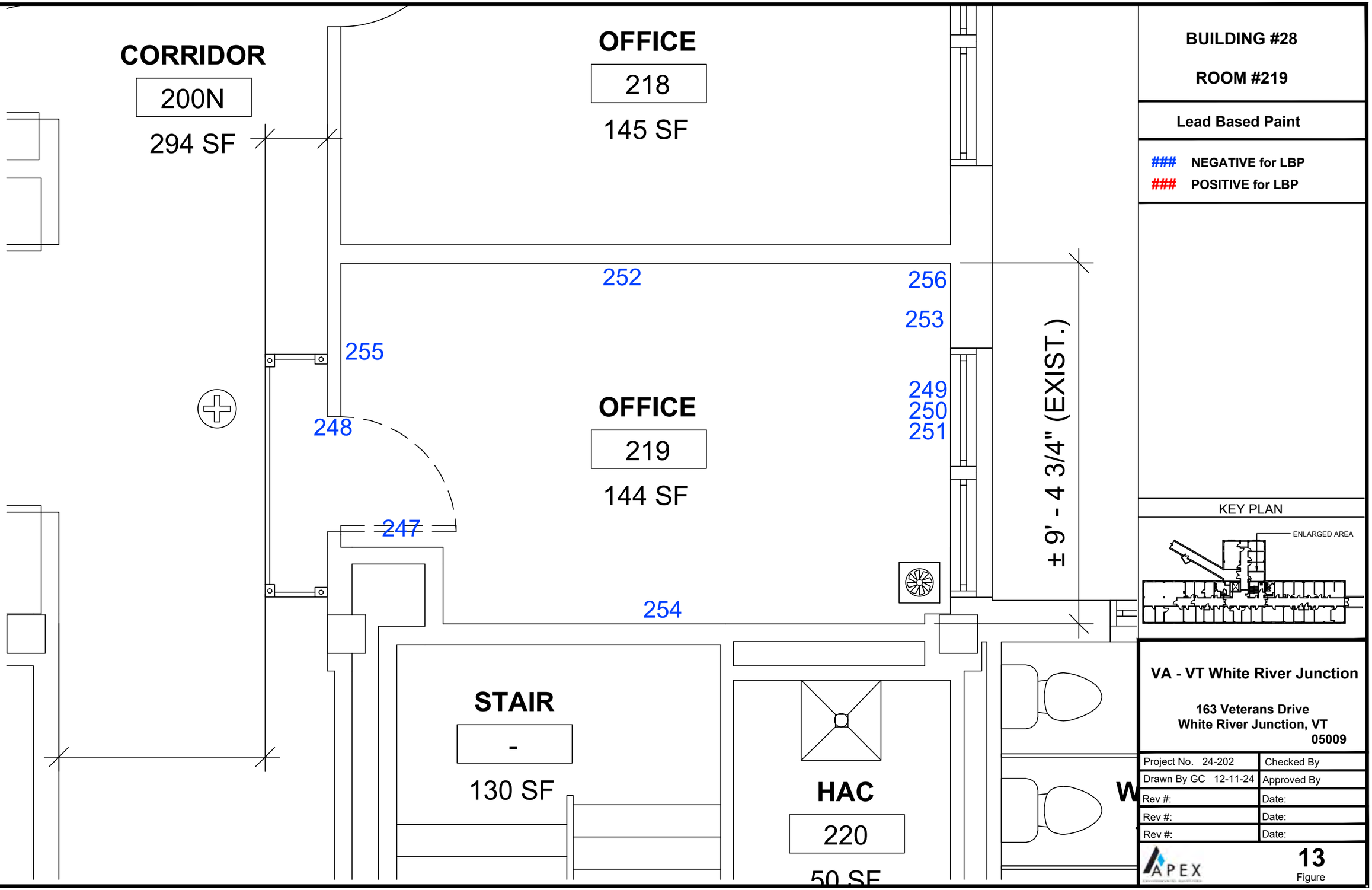
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

12
Figure



BUILDING #28

ROOM #219

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN

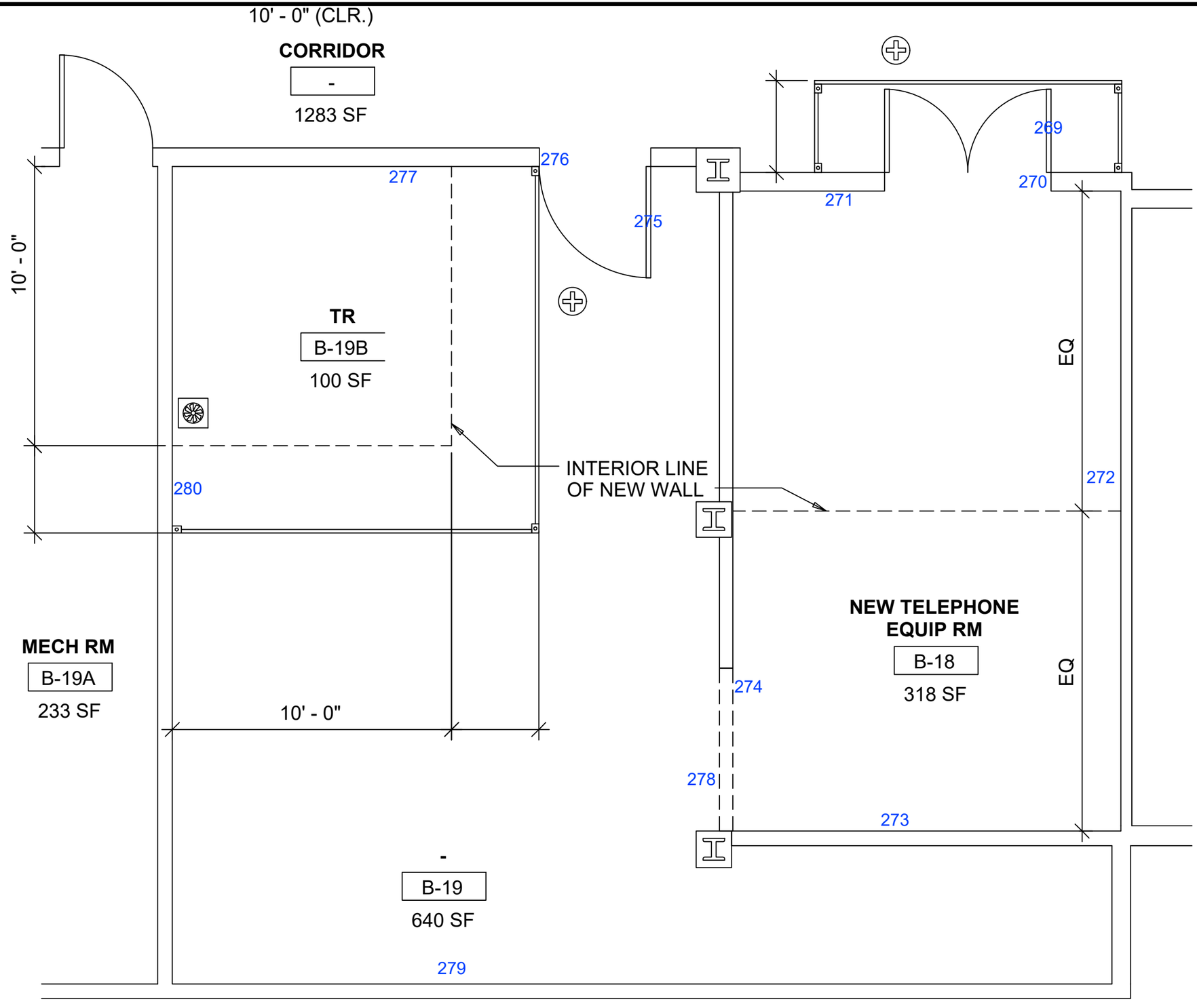
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

13
Figure



BUILDING #31

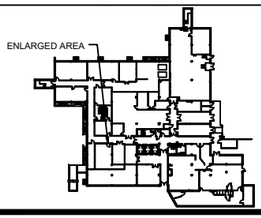
ROOM #B19B

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



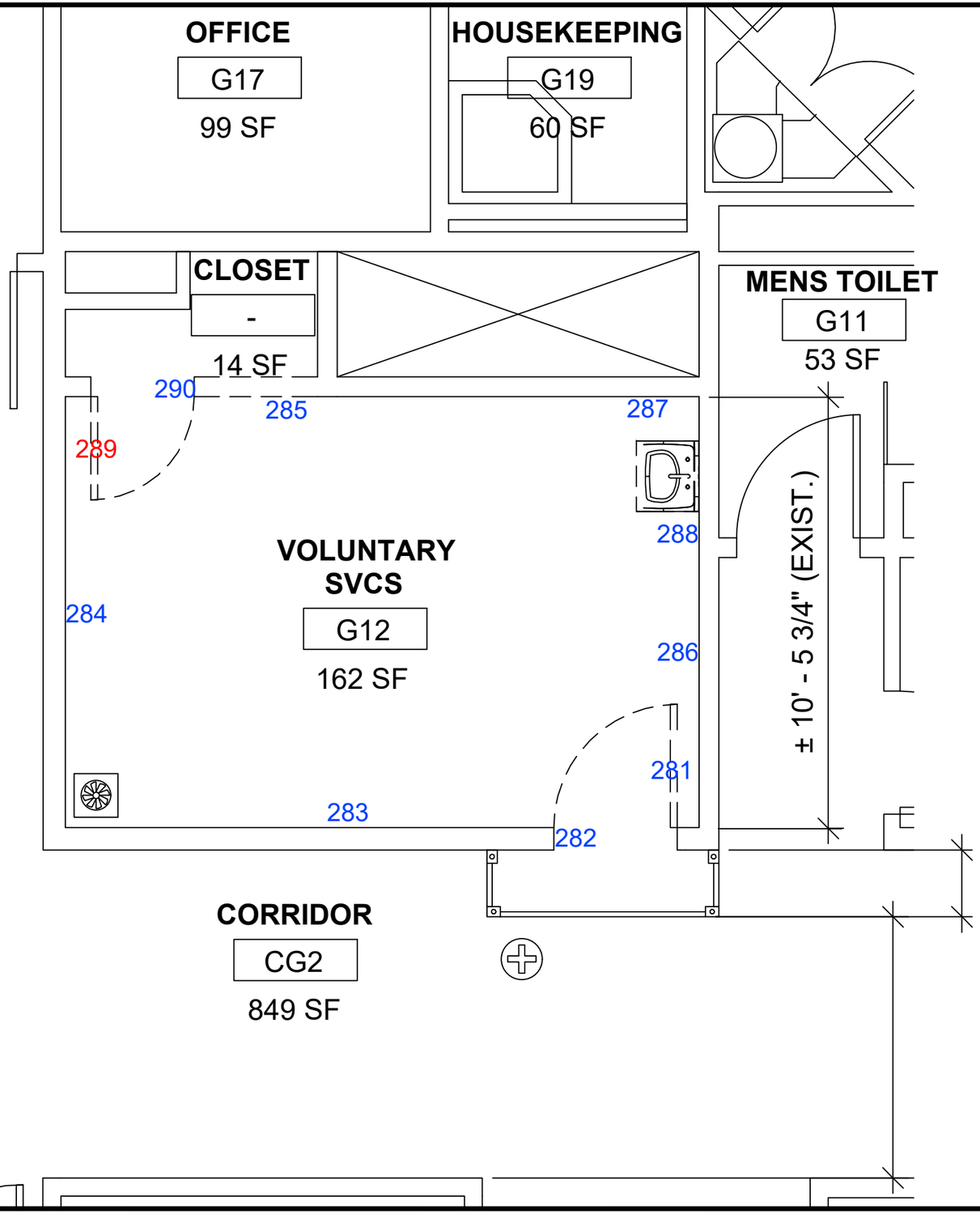
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

14
Figure



BUILDING #31

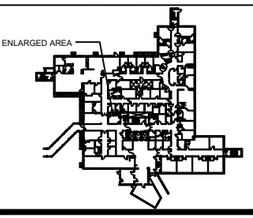
ROOM #G12

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

289 1.0 - Door

KEY PLAN



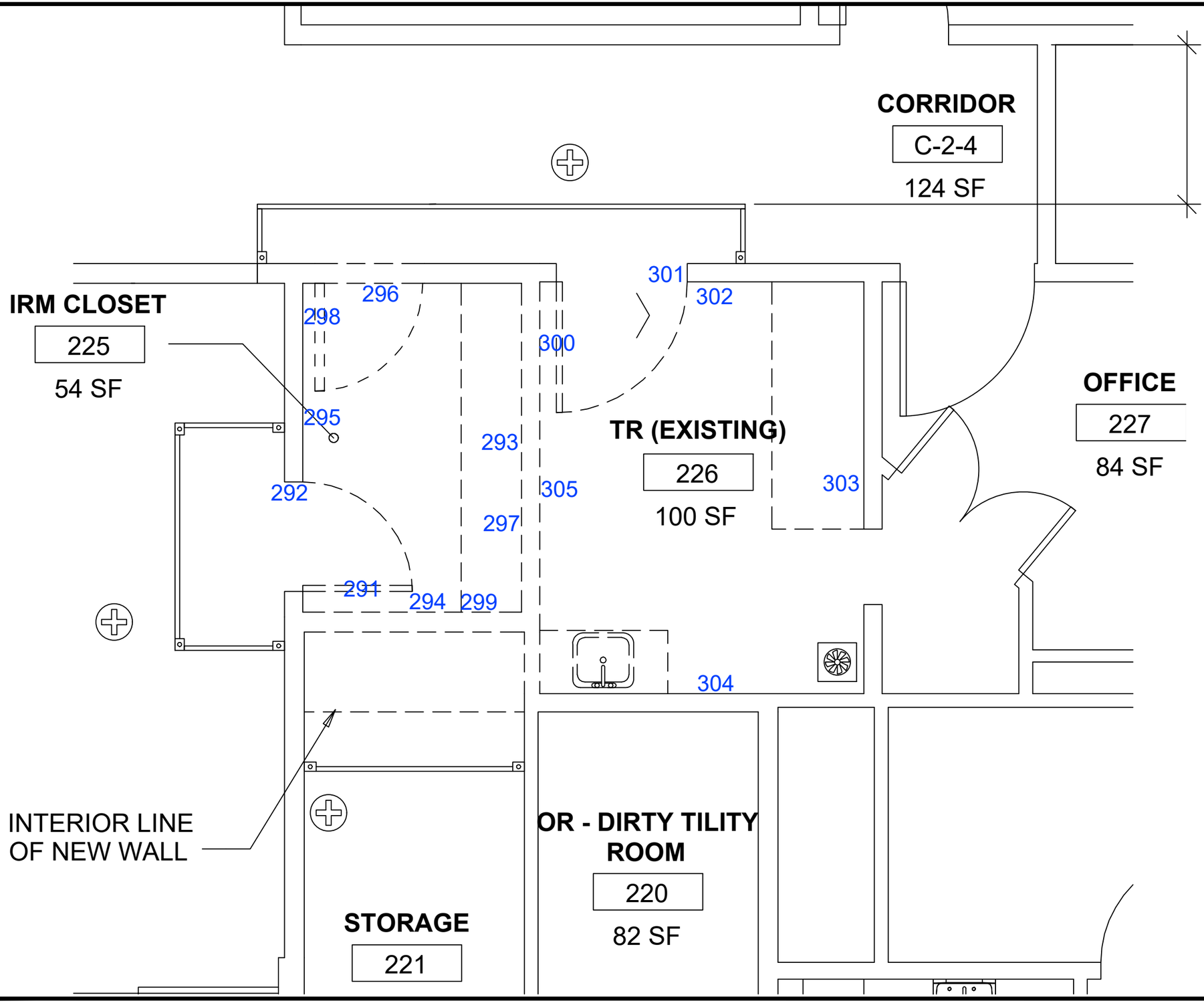
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

15
Figure



BUILDING #31

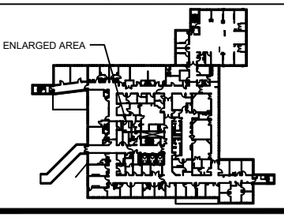
ROOM #226

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



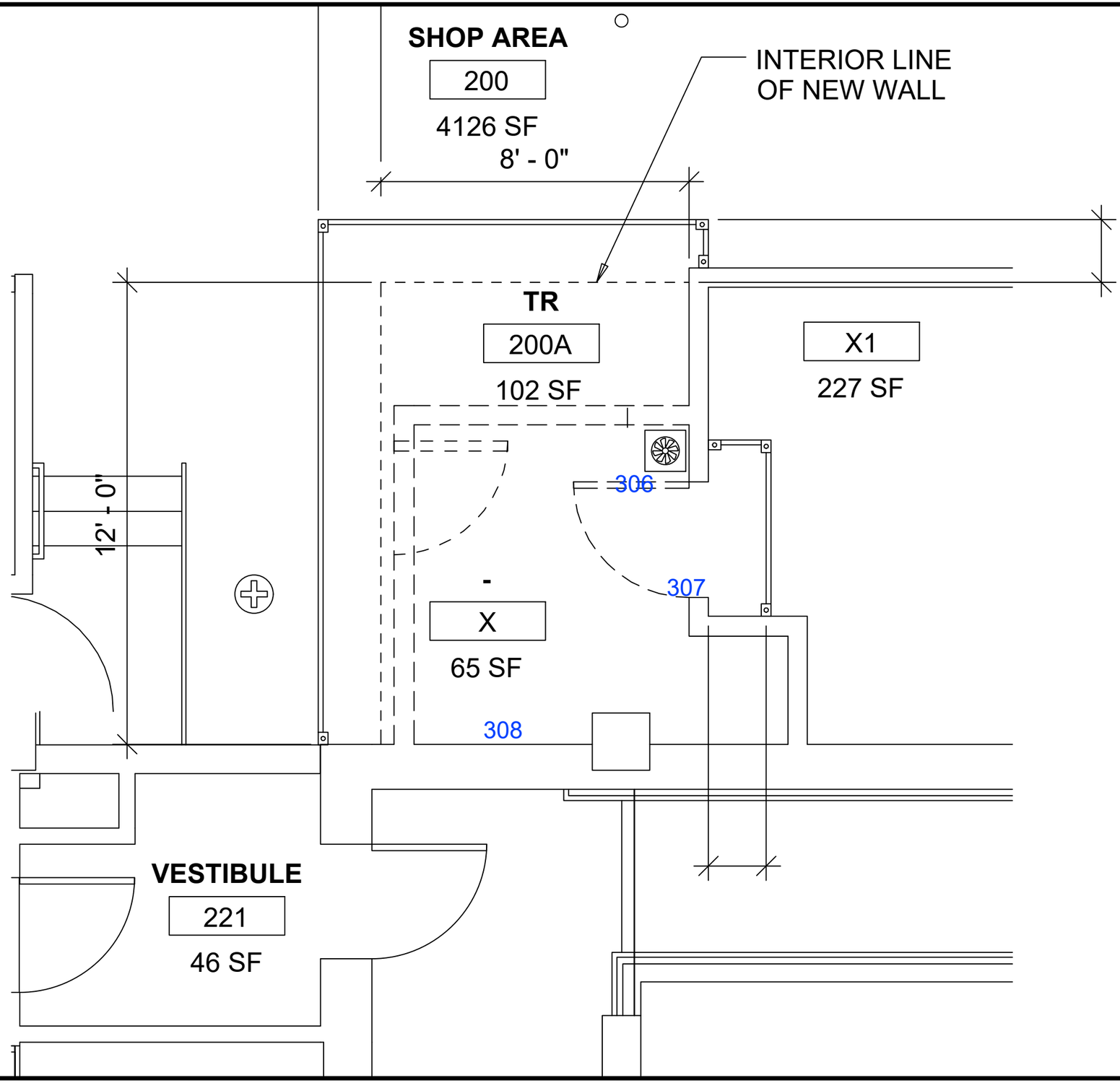
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

16
Figure



BUILDING #37

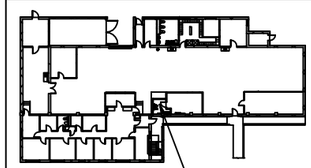
ROOM #200A

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



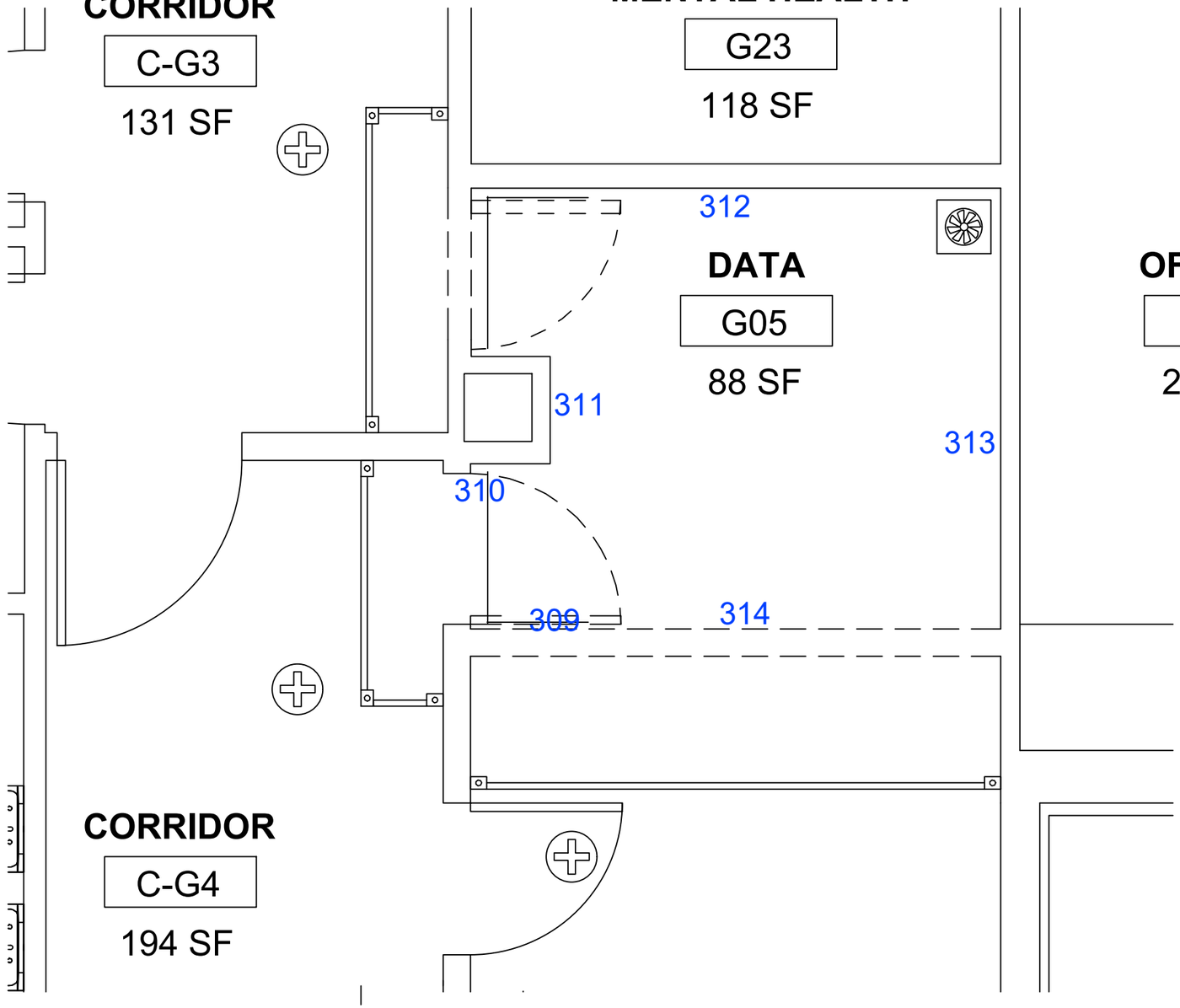
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

17
Figure



BUILDING #39

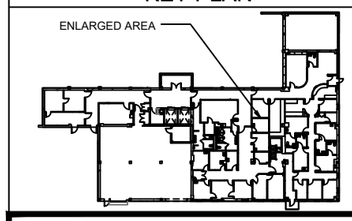
ROOM #G05

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



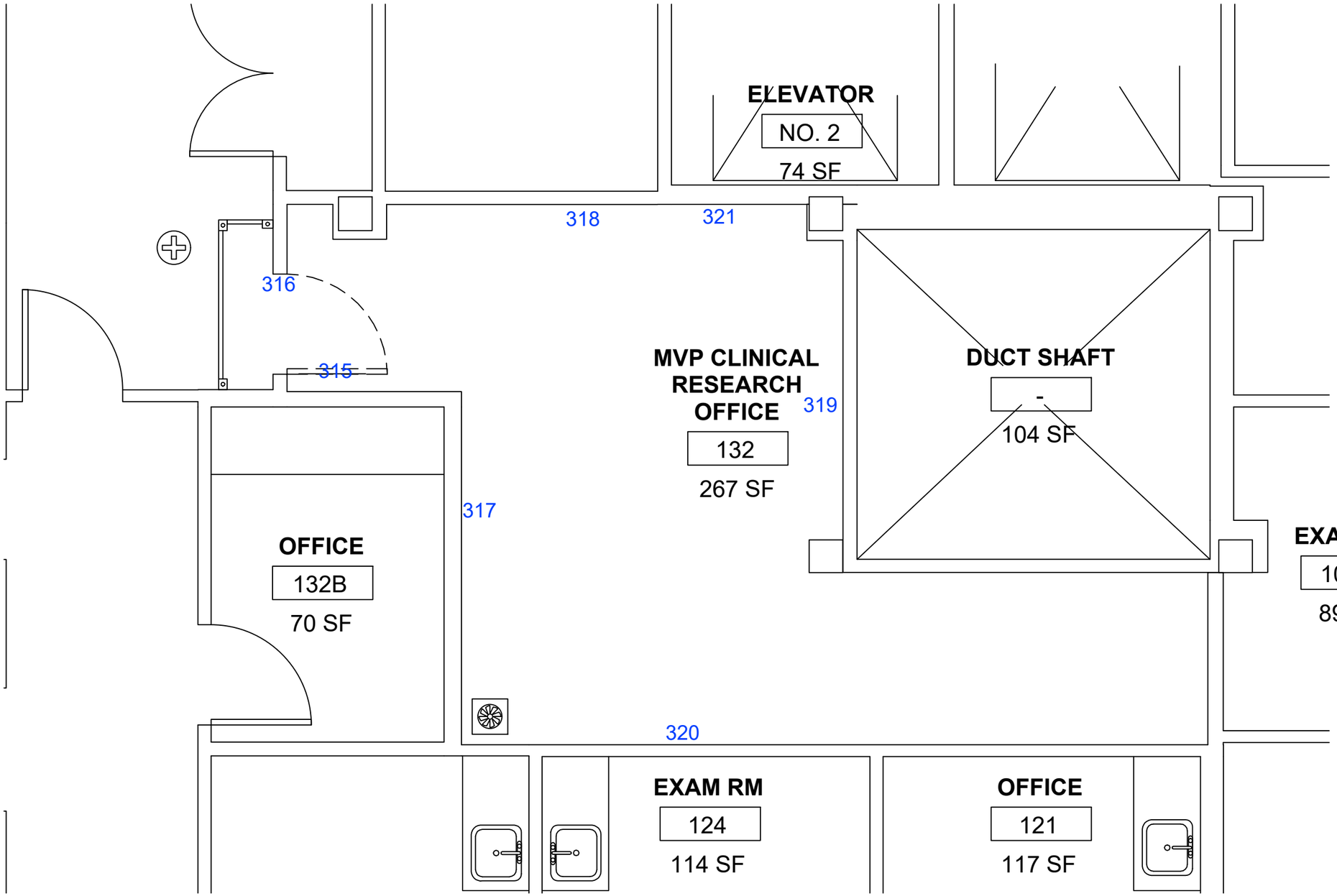
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

18
Figure



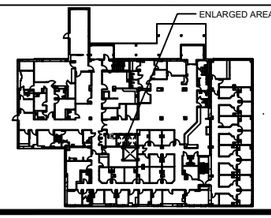
BUILDING #39

ROOM #132

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

KEY PLAN



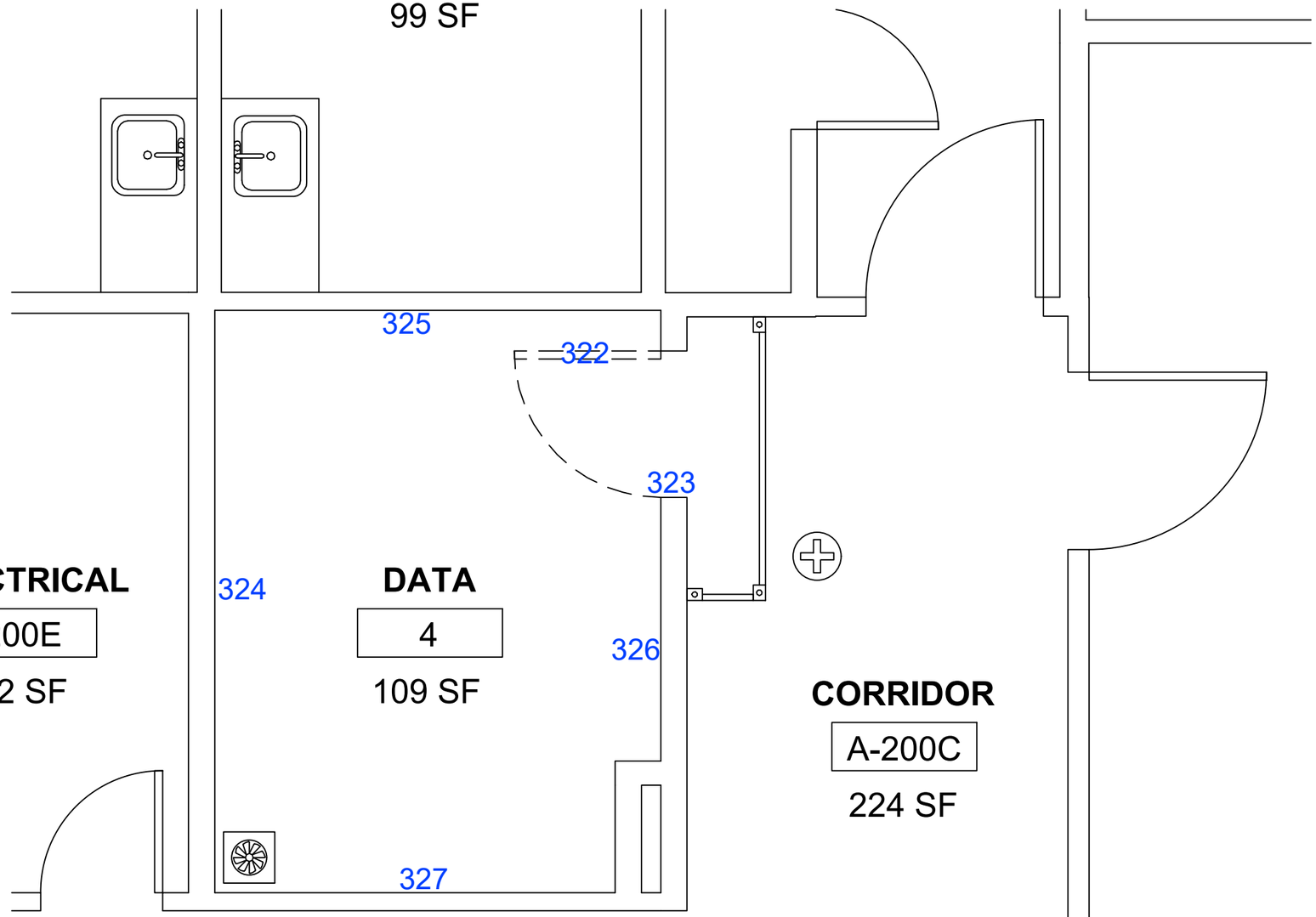
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

19
Figure



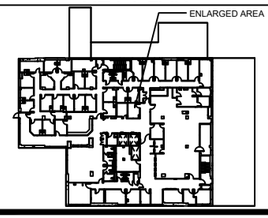
BUILDING #39

ROOM DATA 4

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

KEY PLAN



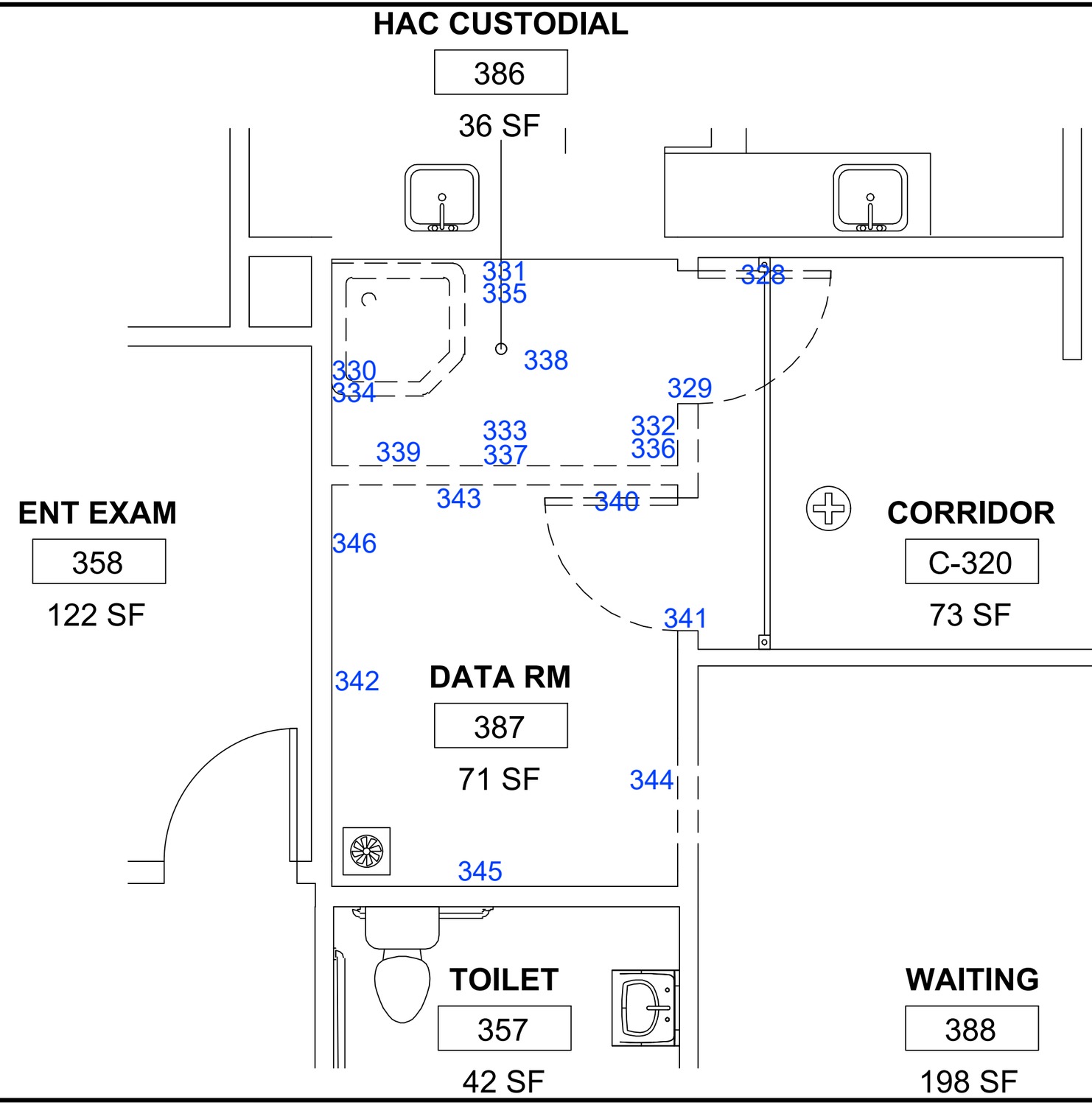
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

20
Figure



BUILDING #39

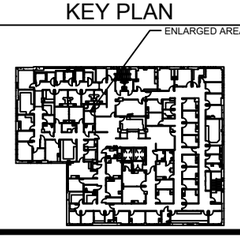
ROOM #387

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



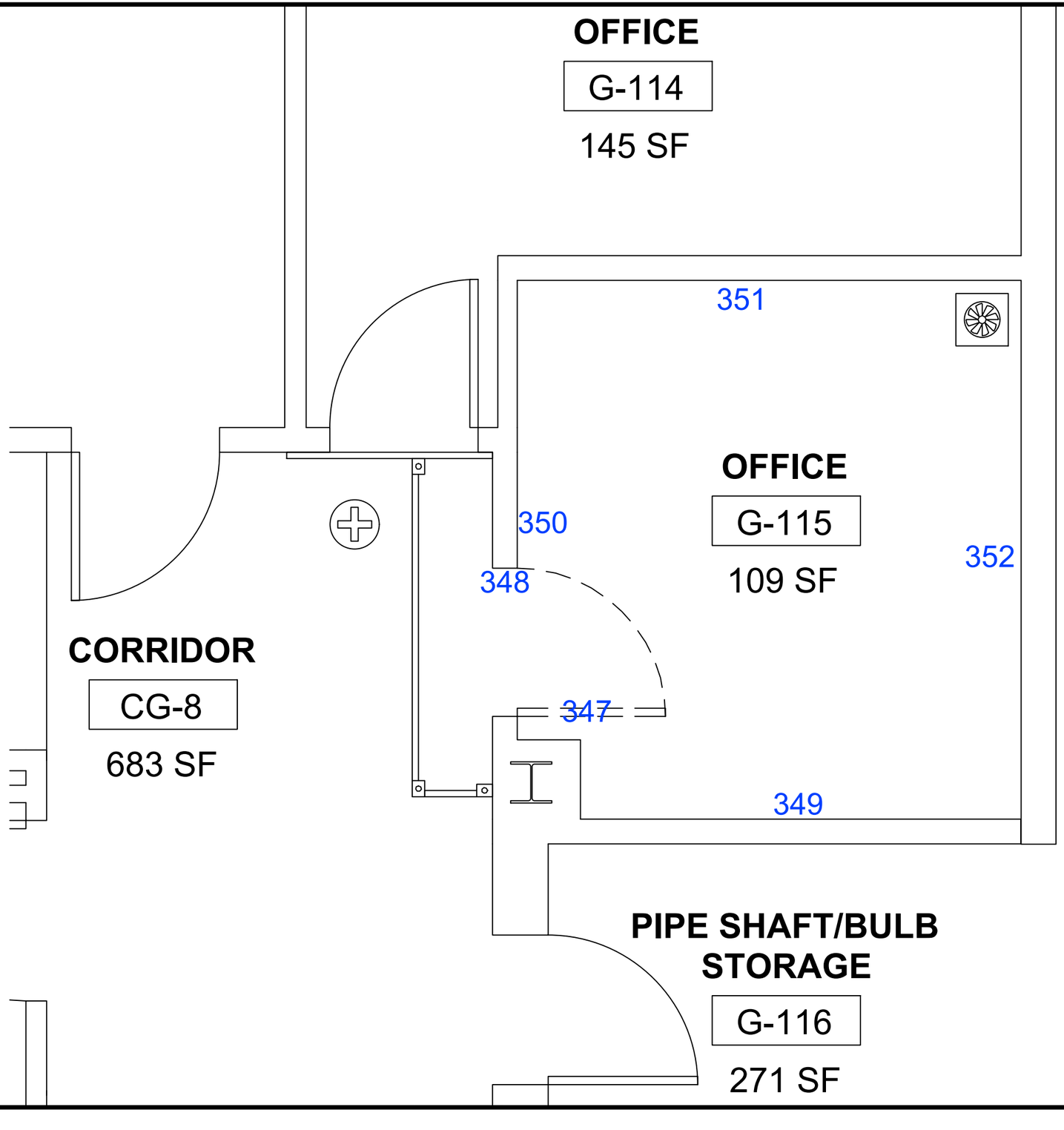
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

21
Figure

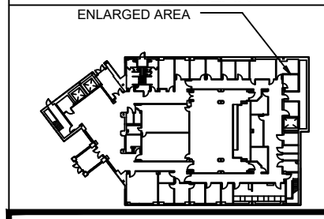


BUILDING #44
ROOM #G115

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

KEY PLAN



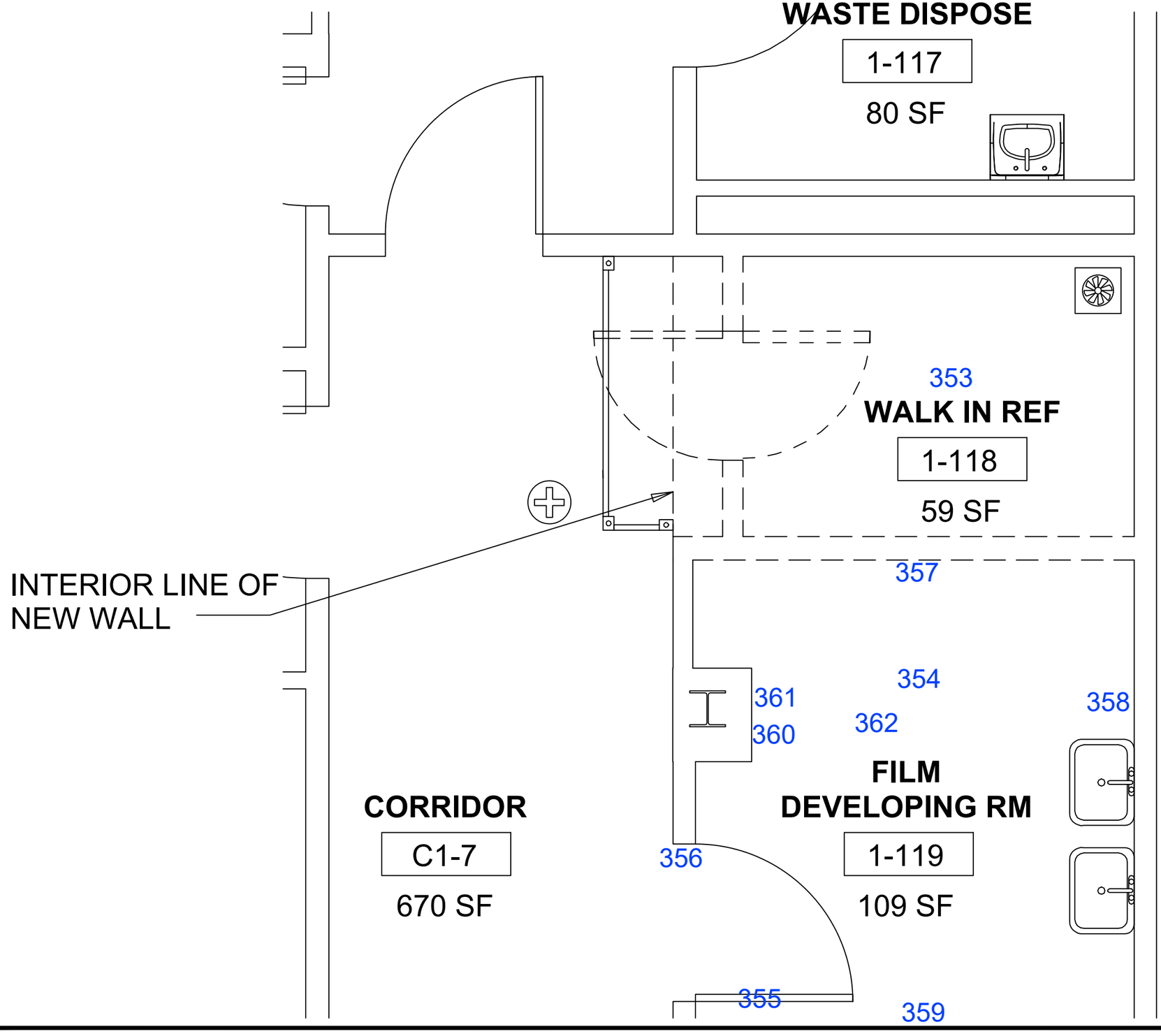
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

22
Figure



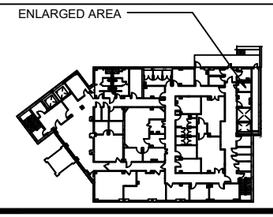
BUILDING #44
ROOM #1-118

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

KEY PLAN

ENLARGED AREA



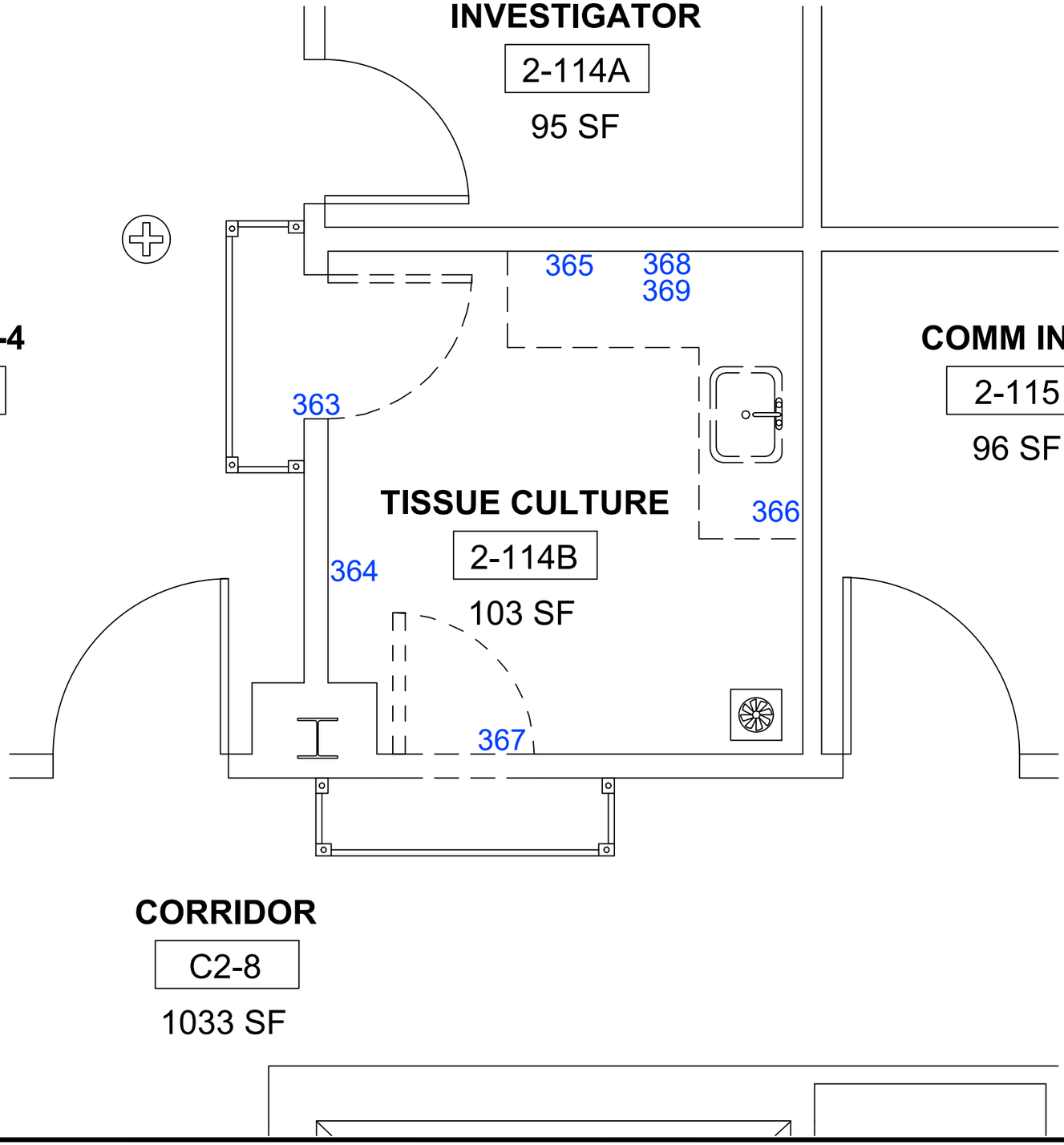
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

23
Figure

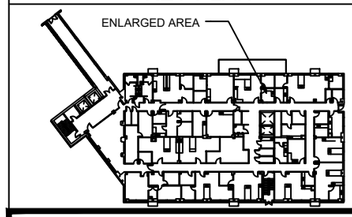


BUILDING #44
ROOM #2-114B

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

KEY PLAN



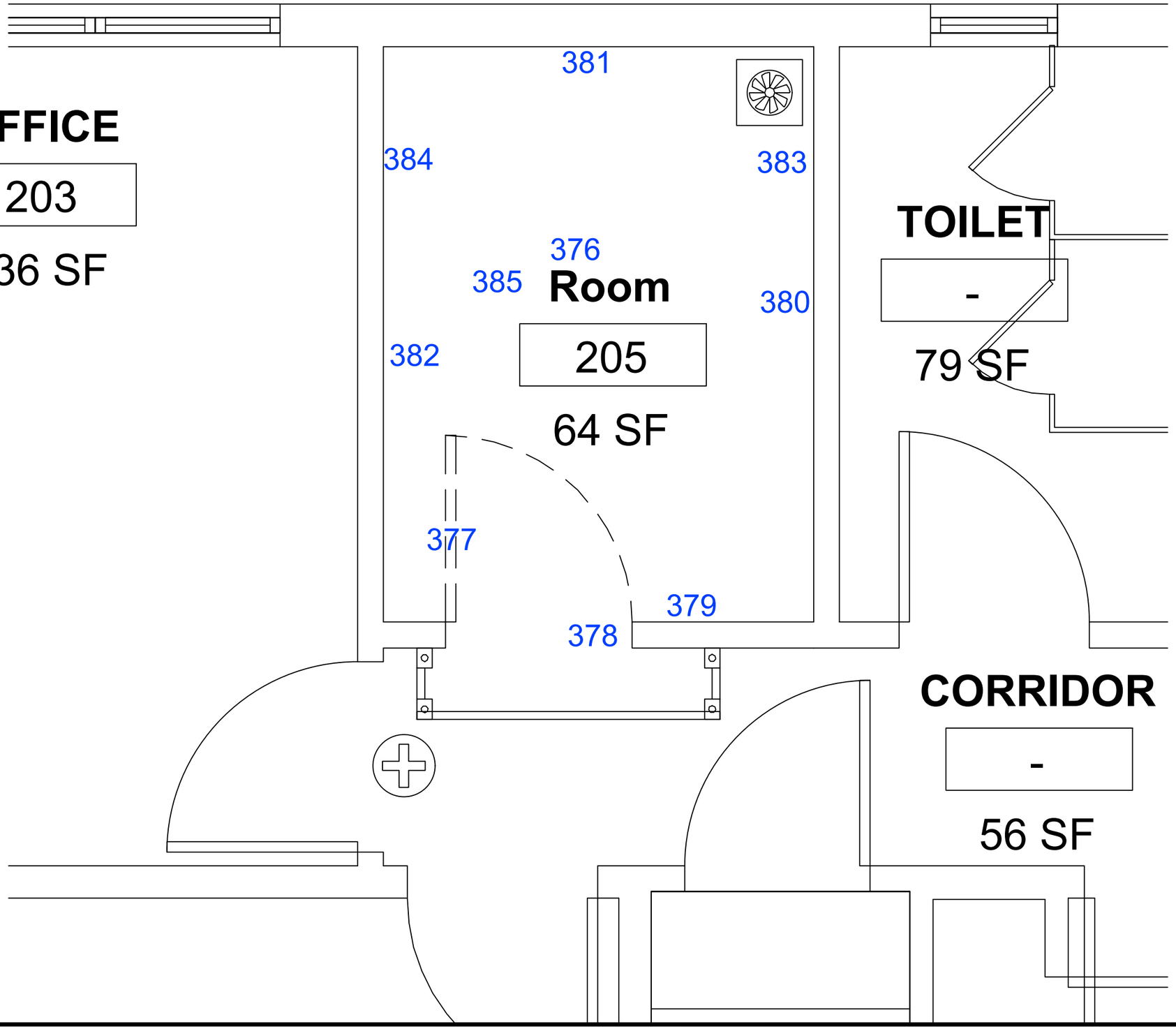
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

24
Figure

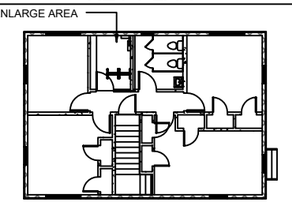


BUILDING #T59
ROOM #205

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

KEY PLAN



VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

25
Figure

388
389
392
387
386
395
391
394
390
393
396

FMS SPACE

B100

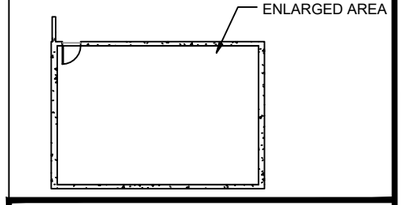
1022 SF

BUILDING #T62
ROOM #B100

Lead Based Paint

NEGATIVE for LBP
POSITIVE for LBP

KEY PLAN



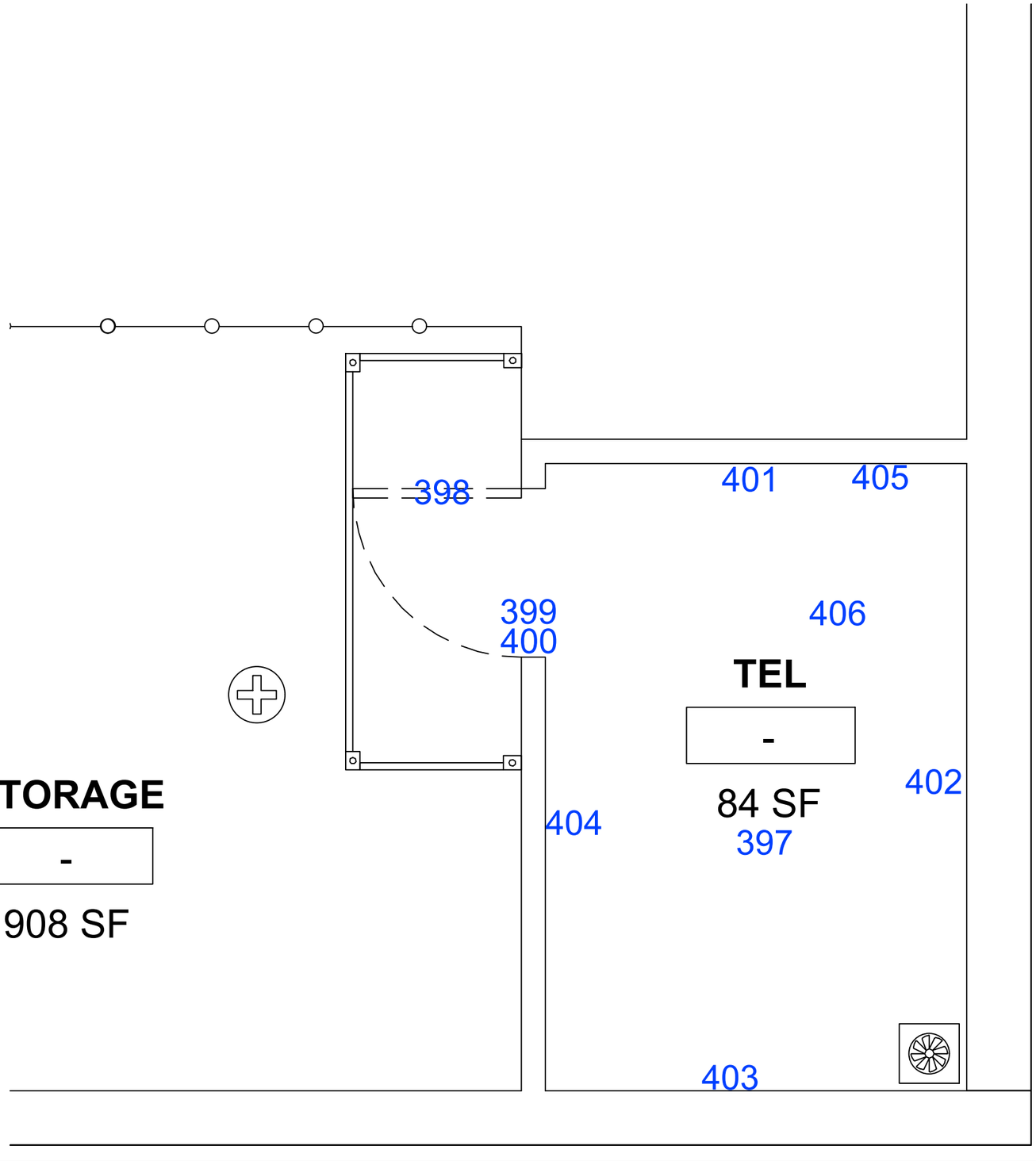
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

26
Figure



BUILDING #T63

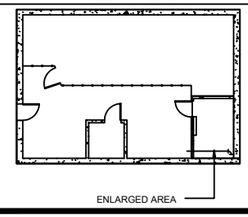
ROOM #B01

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



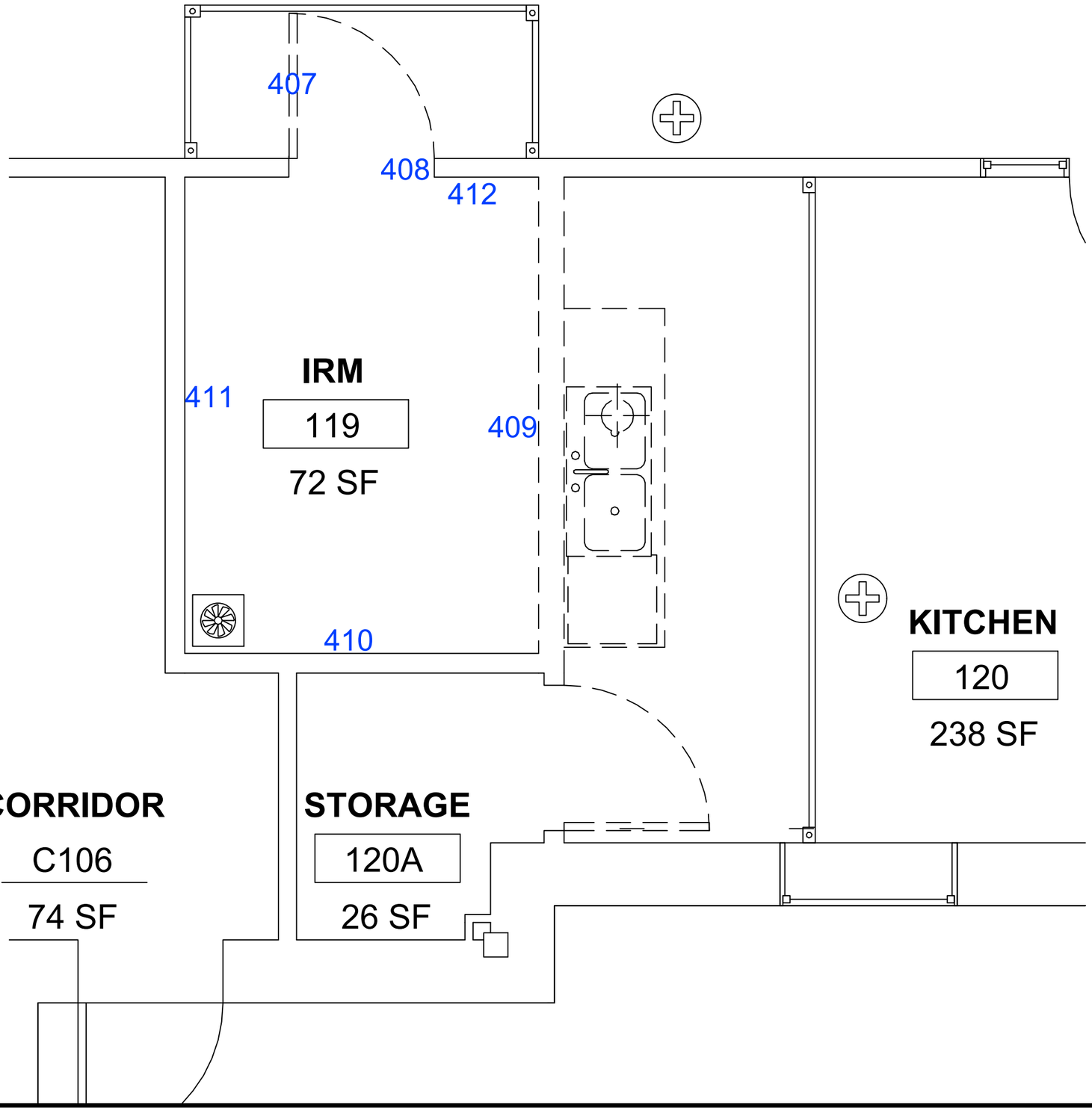
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

27
Figure



BUILDING #65

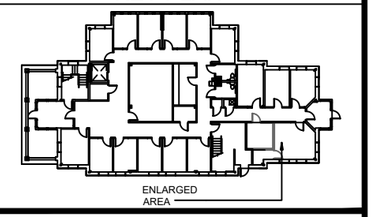
ROOM #119

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



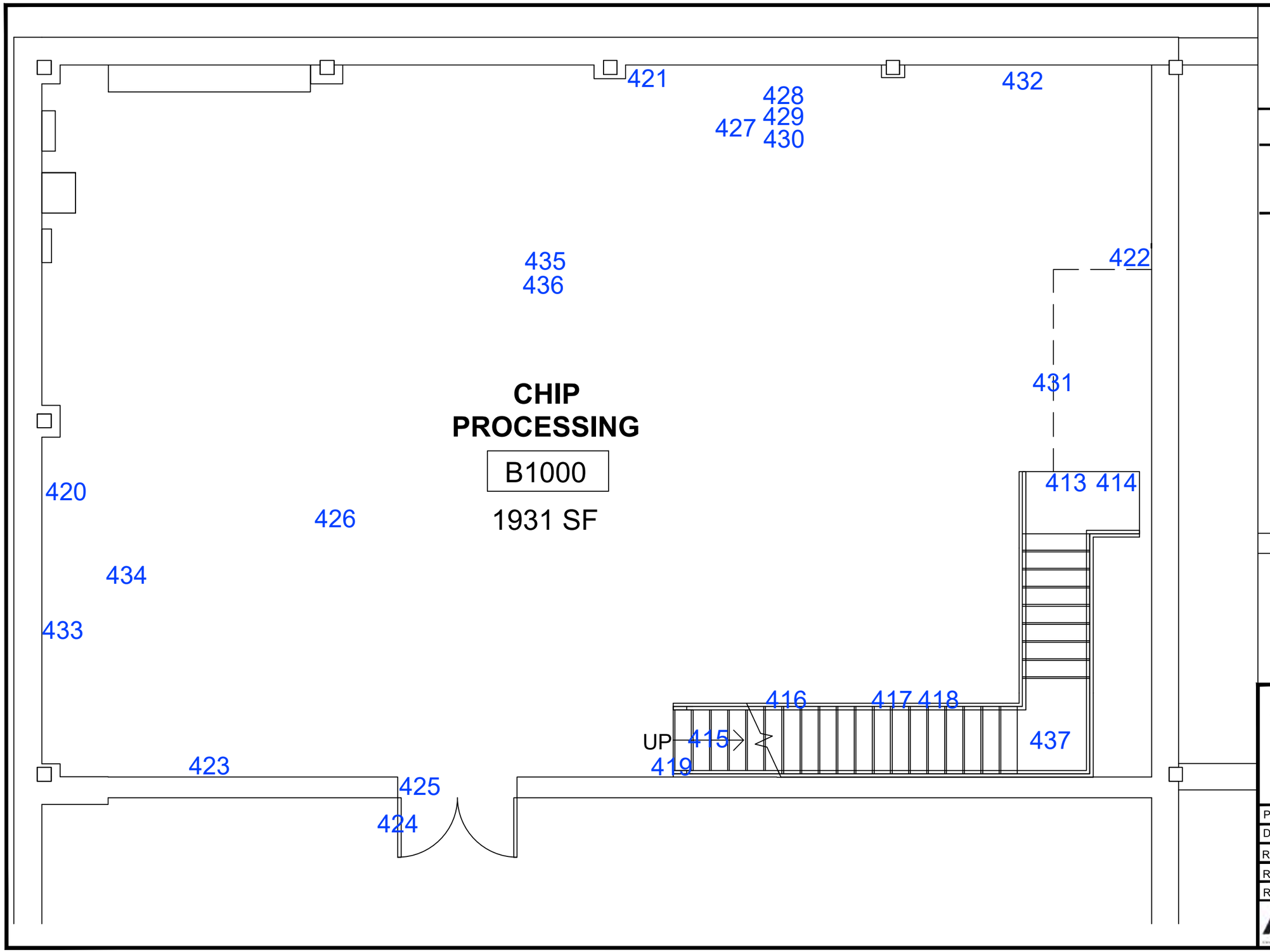
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

28
Figure



BUILDING #66

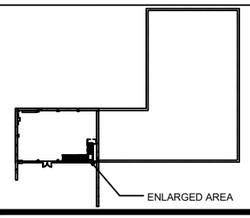
ROOM #B1000

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



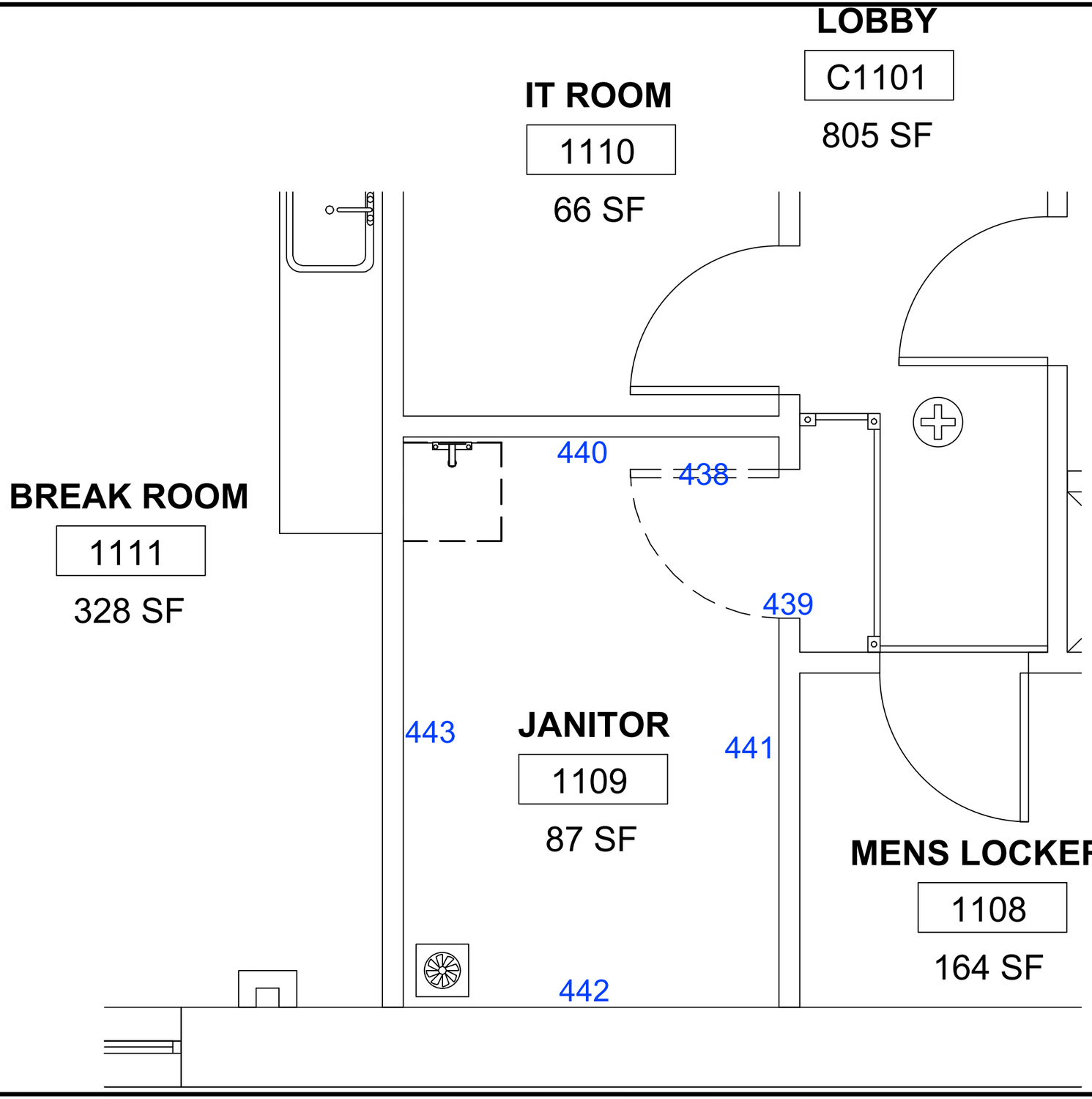
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

29
Figure



BUILDING #67

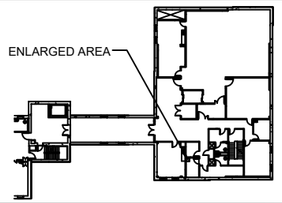
ROOM #1109

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



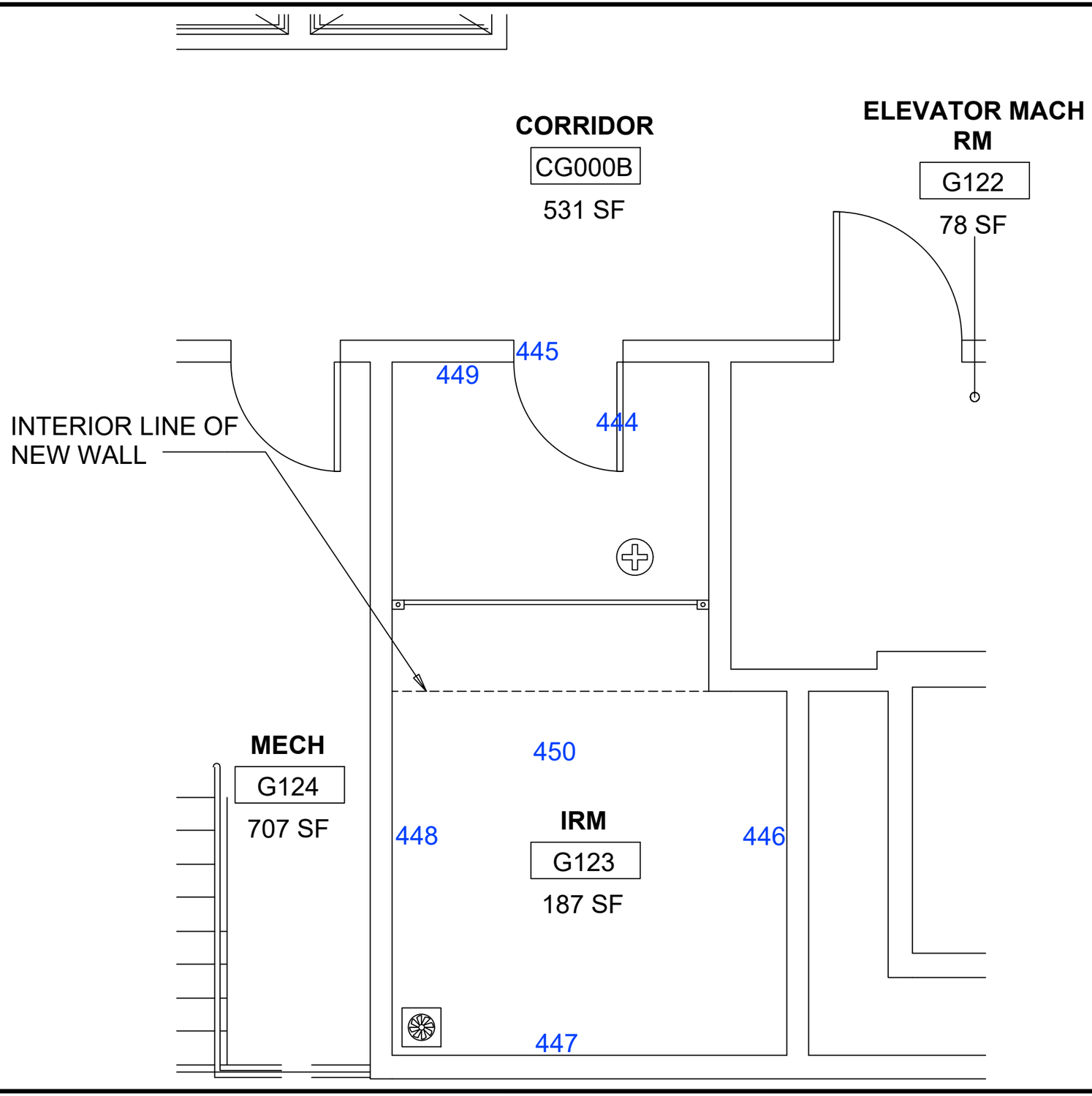
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

30
Figure



BUILDING #88

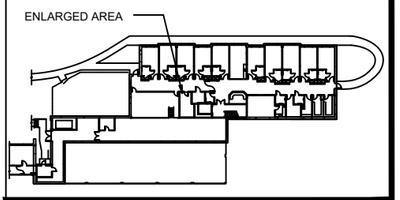
ROOM #G123A

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



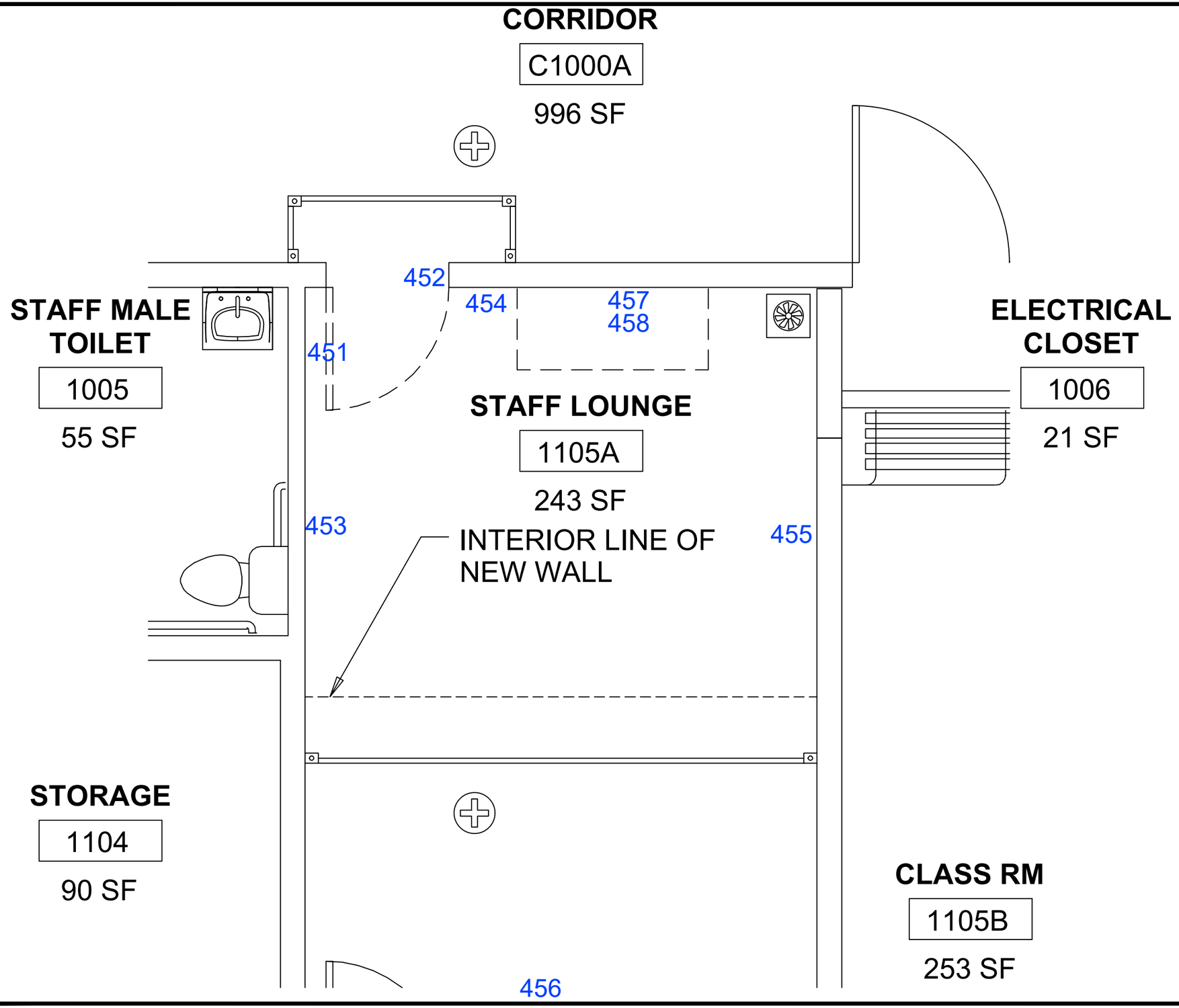
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

31
Figure



BUILDING #88

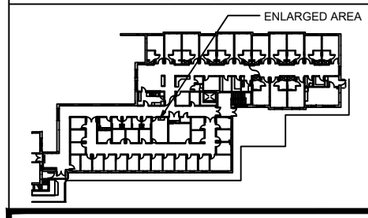
ROOM #1105C

Lead Based Paint

NEGATIVE for LBP

POSITIVE for LBP

KEY PLAN



VA - VT White River Junction

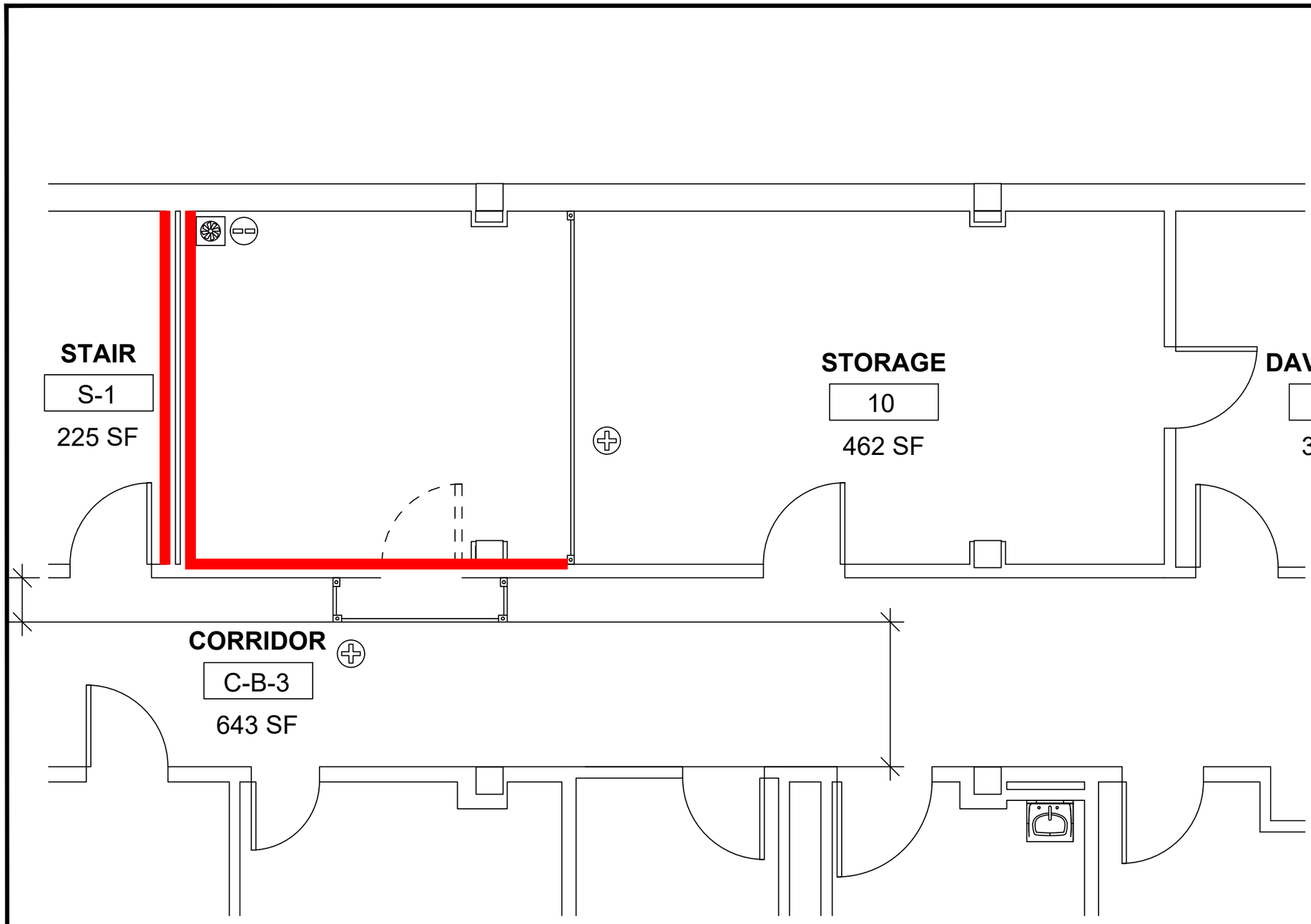
163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

32
Figure

APPENDIX B
HOMOGENEOUS DRAWINGS & QUANTITIES



BUILDING #1

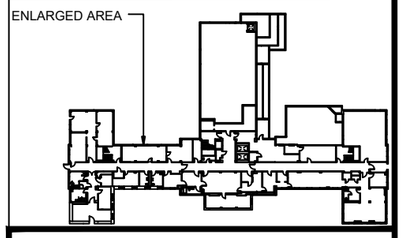
ROOM #10

ASBESTOS HMA

DryWall - 37 linear Feet

0 3' 6'

Approximate Scale in Feet



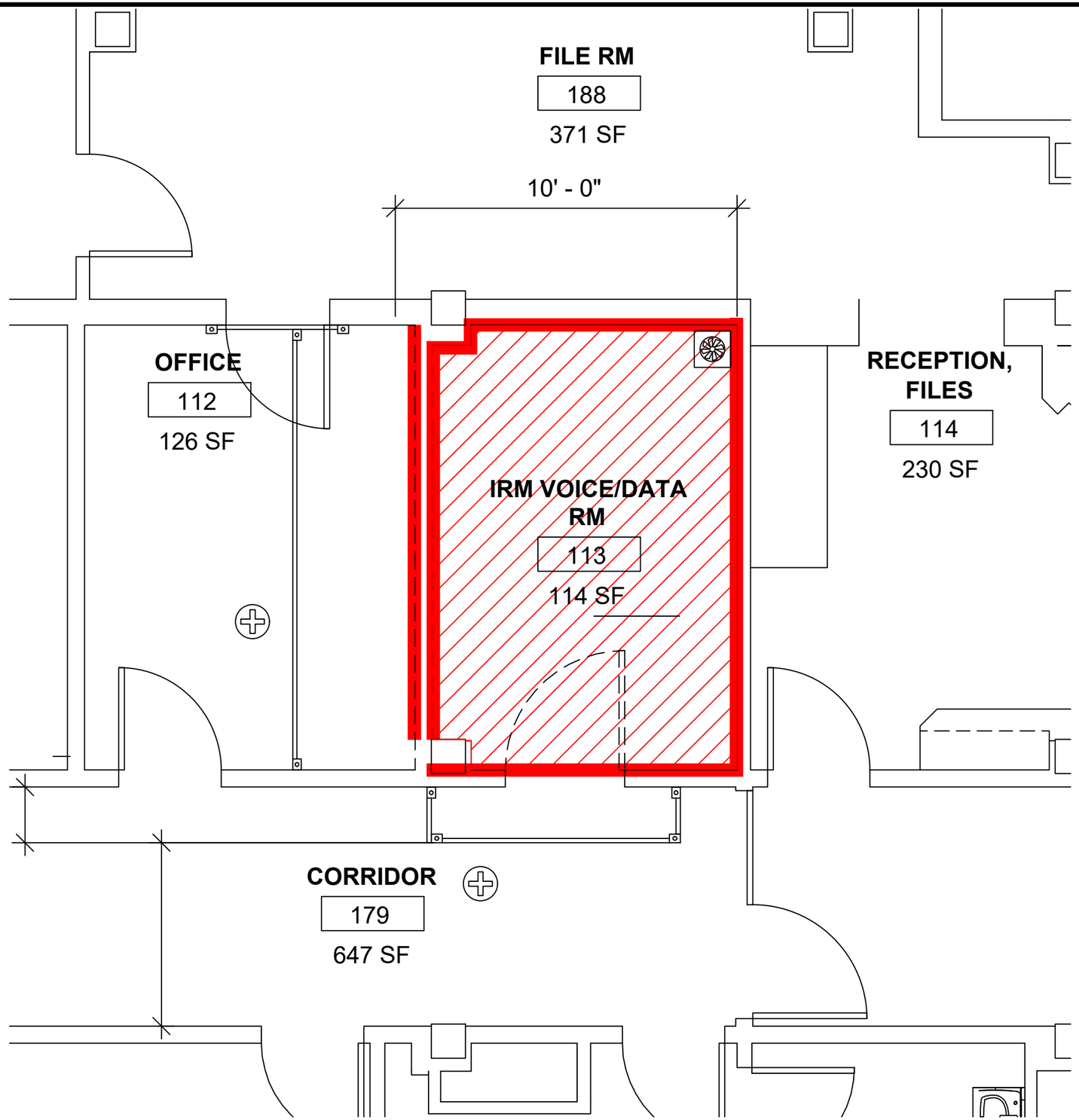
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

1
Figure



BUILDING #1

ROOM #112-#113

ASBESTOS HMA

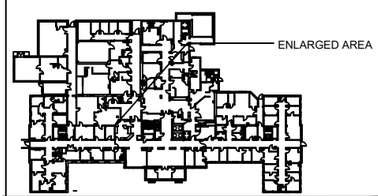
DryWall - 37 linear Feet

Blk Mastic - 110 Sq. Ft.

0 3' 6'

Approximate Scale in Feet

KEY PLAN



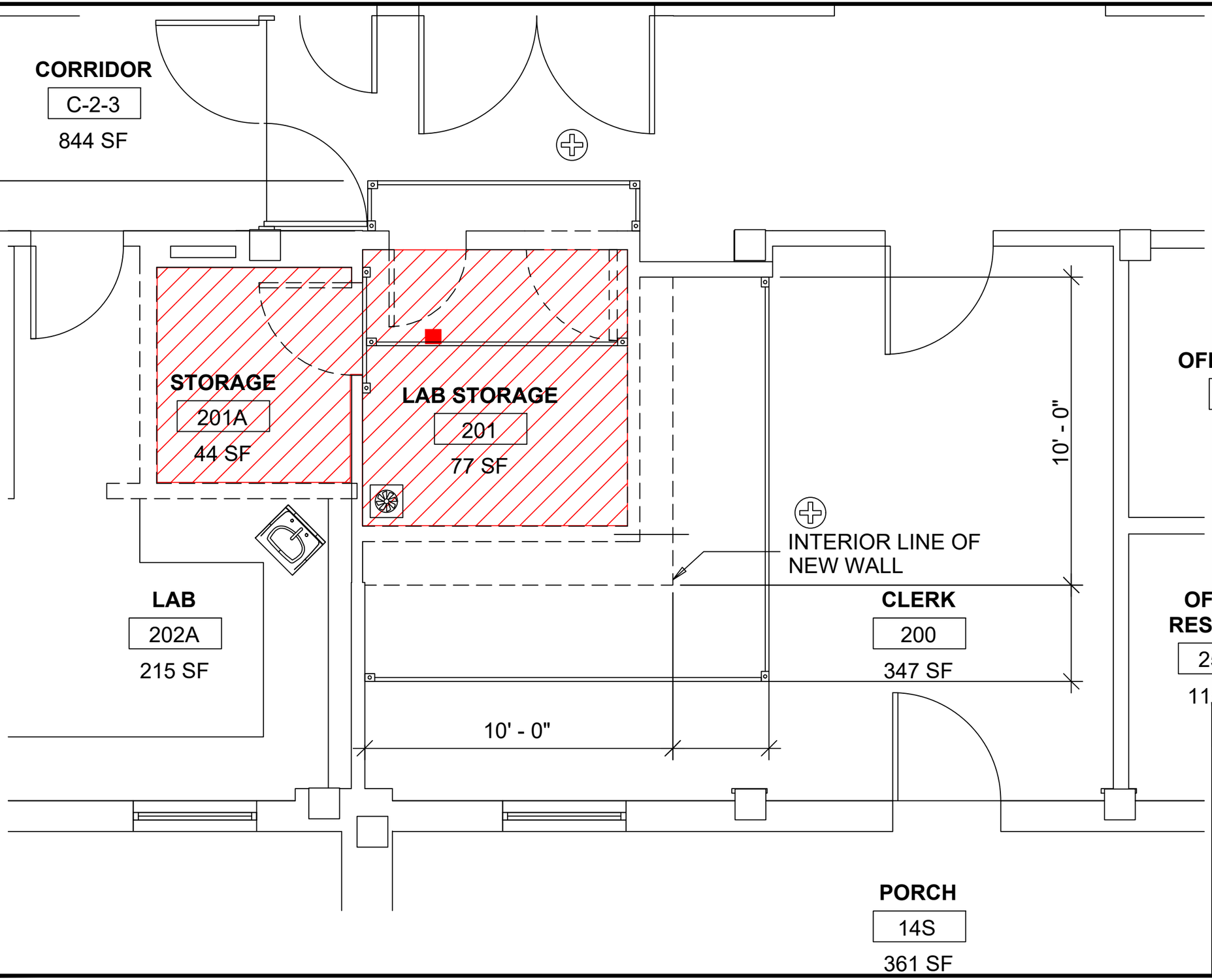
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

2
Figure



BUILDING #1

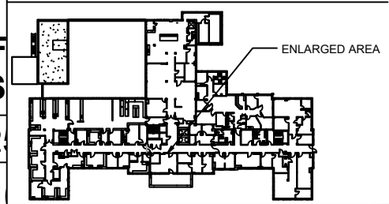
ROOM #201

ASBESTOS HMA

Ductwork Sealant

Ylw FT w/Blk Mastic
121 Sq. Ft.

KEY PLAN



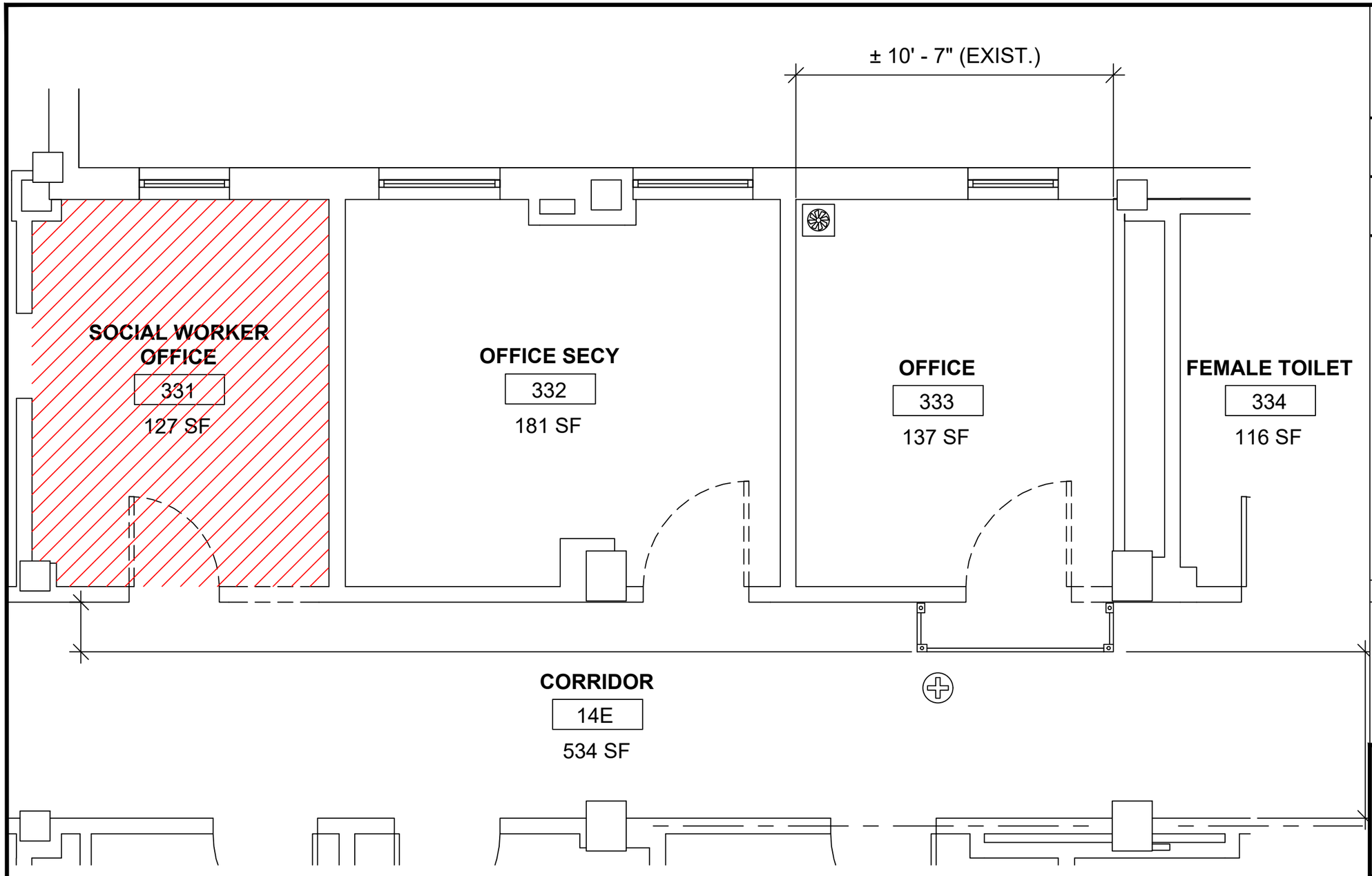
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

3
Figure



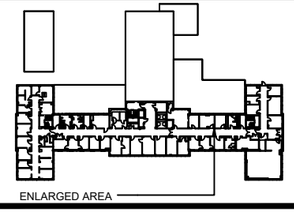
BUILDING #1

ROOM #331, 332, 333

ASBESTOS HMA

Grn FT w/Blk Mastic
127 Sq. Ft.

KEY PLAN



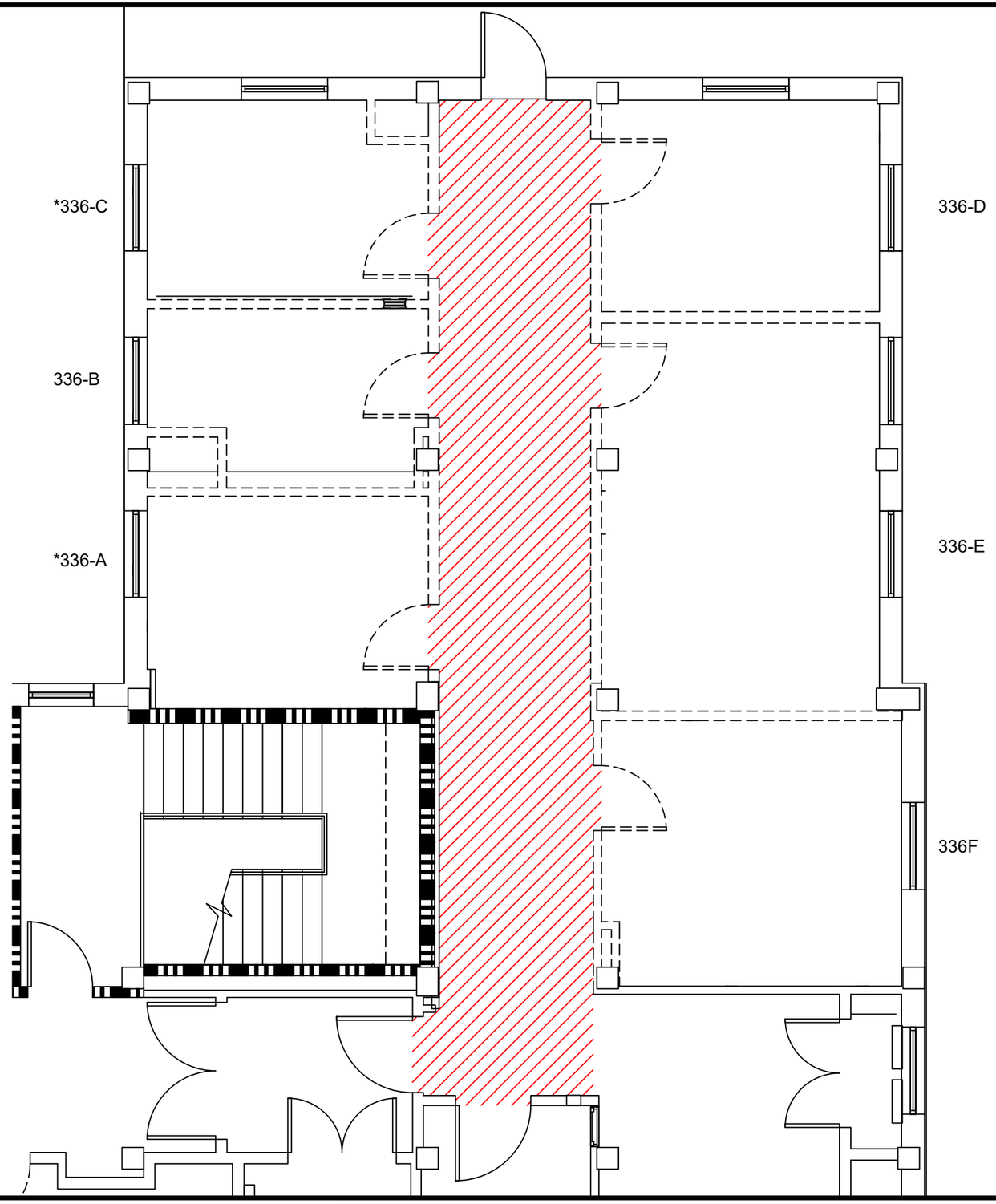
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

4
Figure



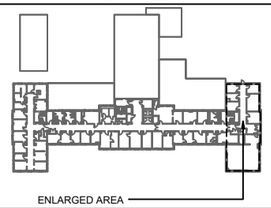
BUILDING #1

ROOM #336A - 336F

ASBESTOS HMA

Grn FT w/Blk Mastic
350 Sq. Ft.

KEY PLAN



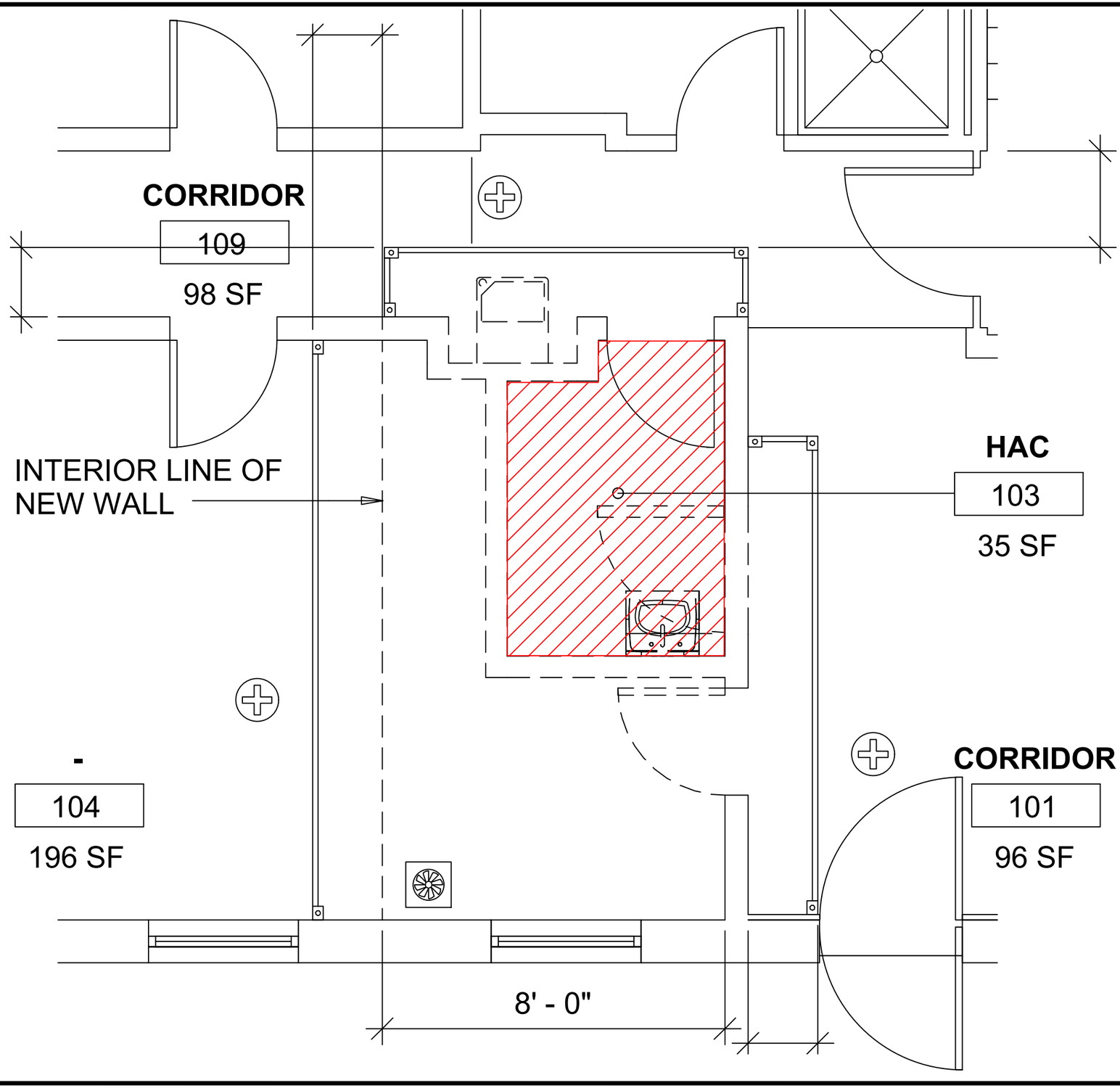
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

5
Figure



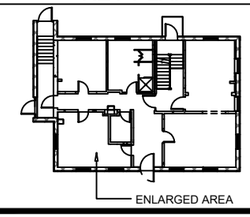
BUILDING #9

ROOM #104 & #103

ASBESTOS HMA

Tan FT w/Blk Mastic
35 Sq. Ft.

KEY PLAN



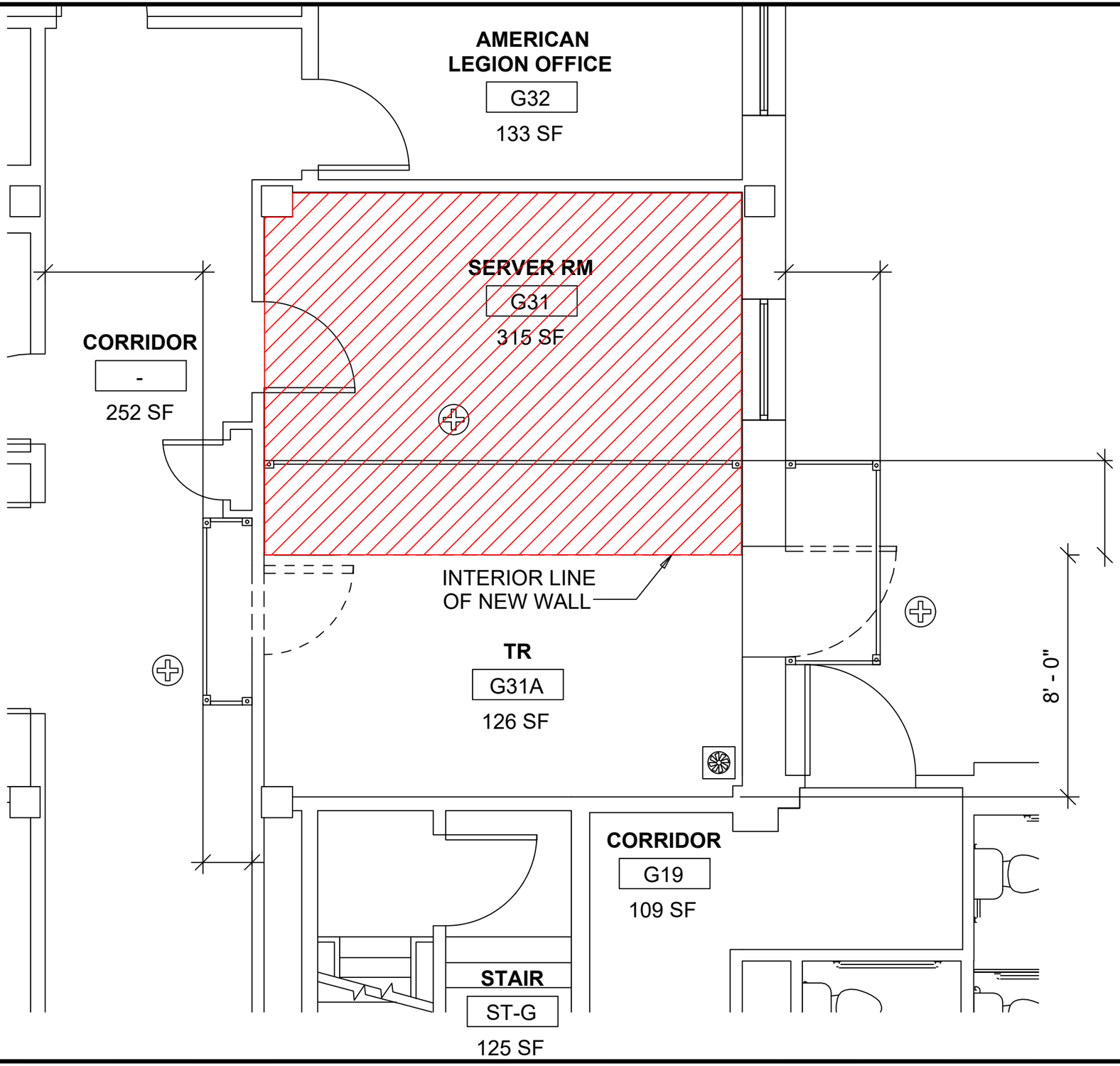
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

6
Figure



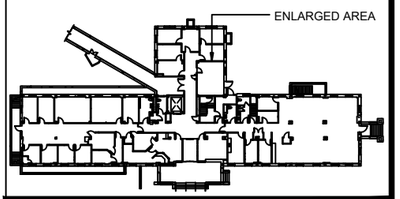
BUILDING #28

ROOM #G31A

ASBESTOS HMA

Brown FT w/Blk Mastic
315 Sq. Ft.

KEY PLAN



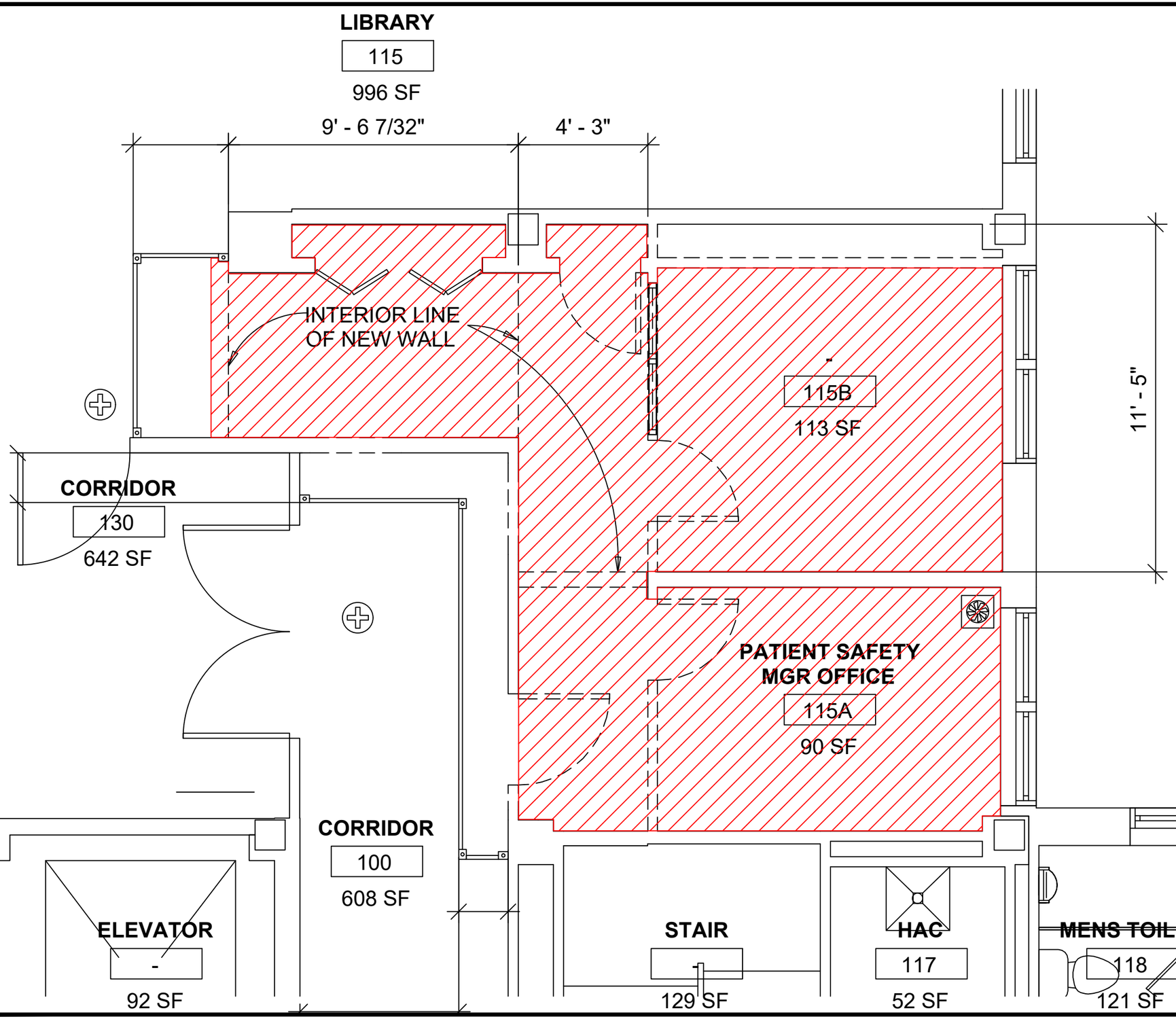
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

7
Figure



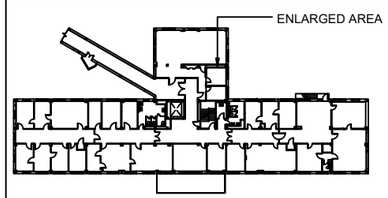
BUILDING #28

ROOM #115A

ASBESTOS HMA

Mastic under Carpet
375 Sq. Ft.

KEY PLAN



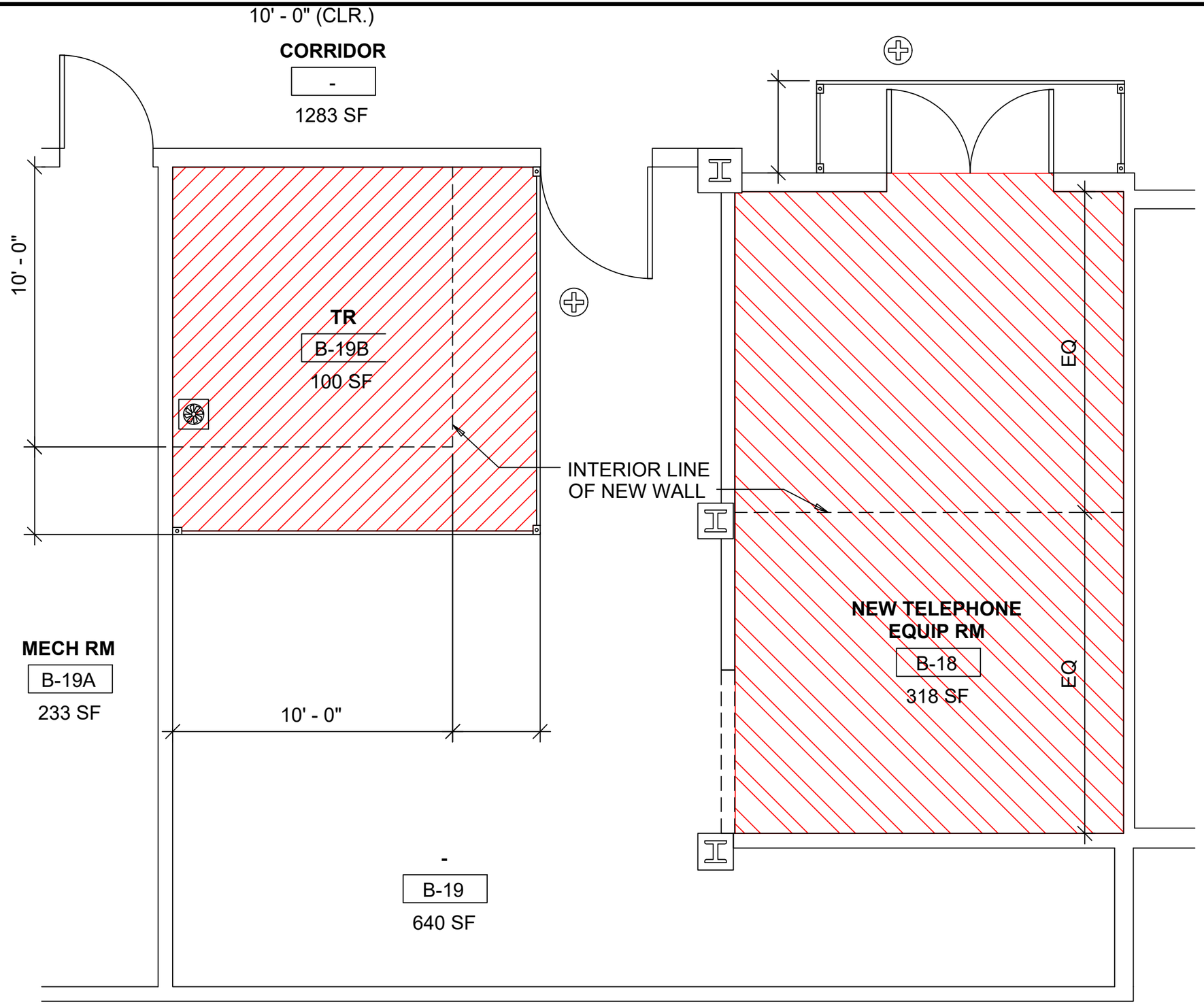
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

8
Figure



BUILDING #31

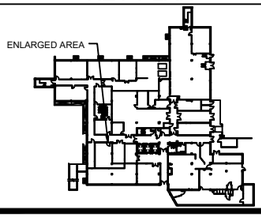
ROOM #B19B

ASBESTOS HMA

Tan FT w/Blk Mastic
100 Sq. Ft.

Gray FT w/Blk Mastic
318 Sq. Ft.

KEY PLAN



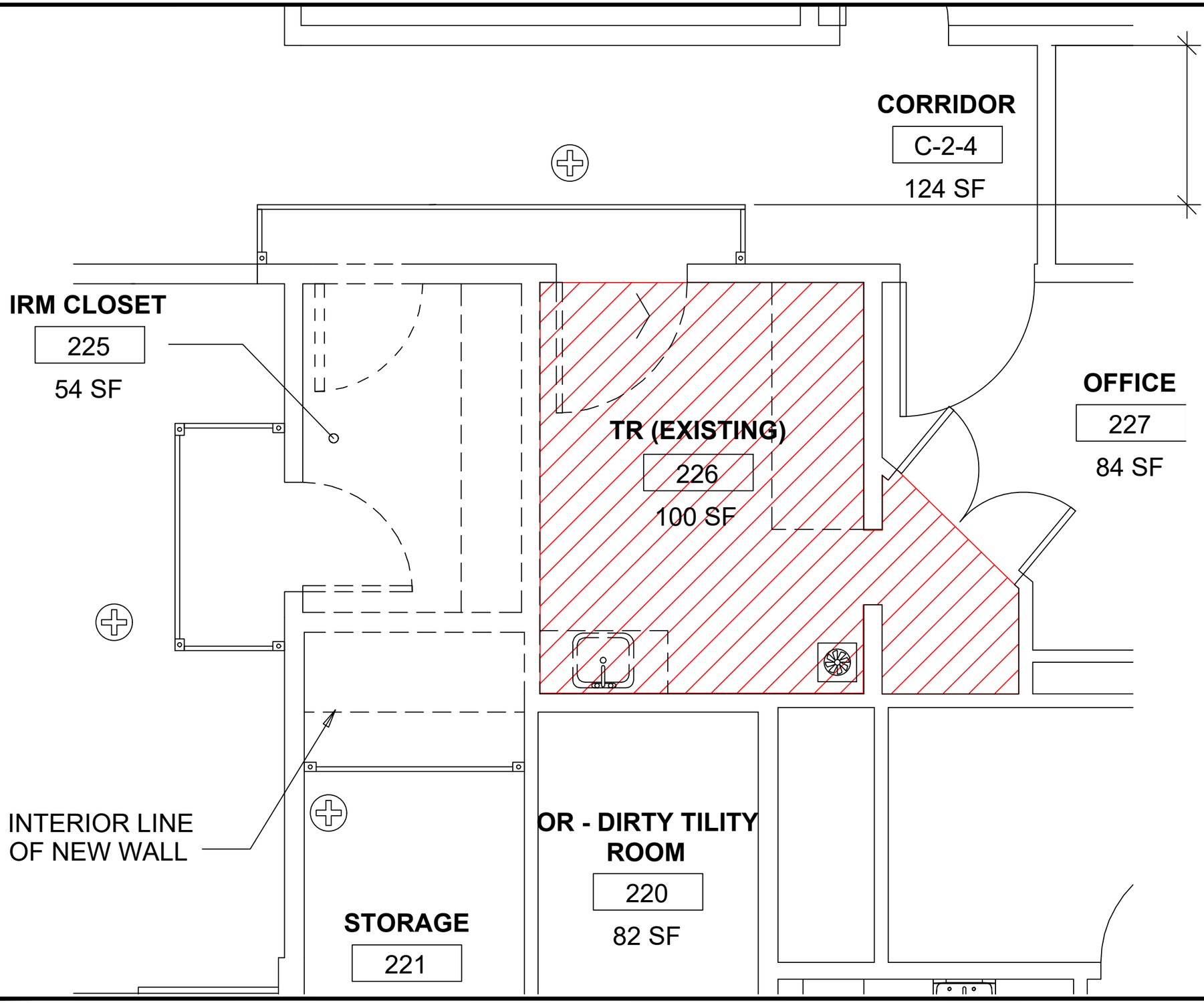
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

9
Figure



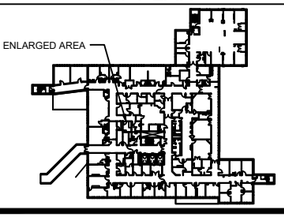
BUILDING #31

ROOM #226

ASBESTOS HMA

Gray FT w/Blk Mastic
120 Sq. Ft.

KEY PLAN



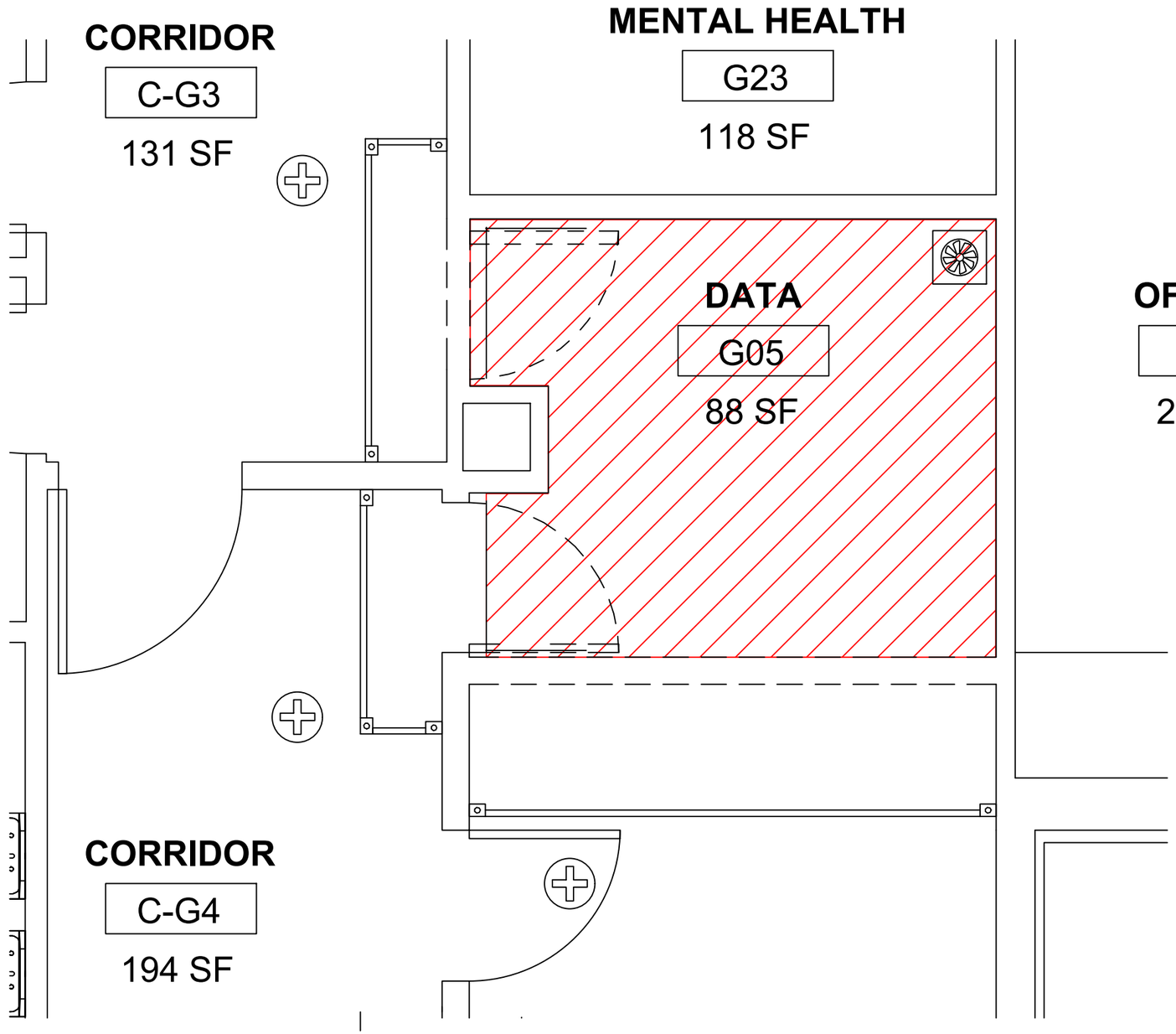
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

10
Figure



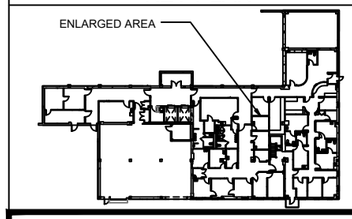
BUILDING #39

ROOM #G05

ASBESTOS HMA

Cream FT w/Blk Mastic
88 Sq. Ft.

KEY PLAN



VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

11
Figure

± 10' - 7" (EXIST.)

SOCIAL WORKER OFFICE
331
127 SF

OFFICE SECY
332
181 SF

OFFICE
333
137 SF

FEMALE TOILET
334
116 SF

CORRIDOR
14E
534 SF

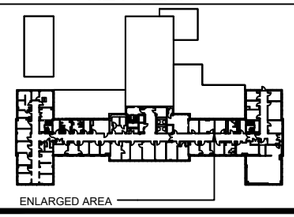
BUILDING #1

ROOM #331, 332, 333

LEAD HMA

- Sill, Casing, Apron
- Casing
- Plaster Wall - 34 Linear Ft.

KEY PLAN



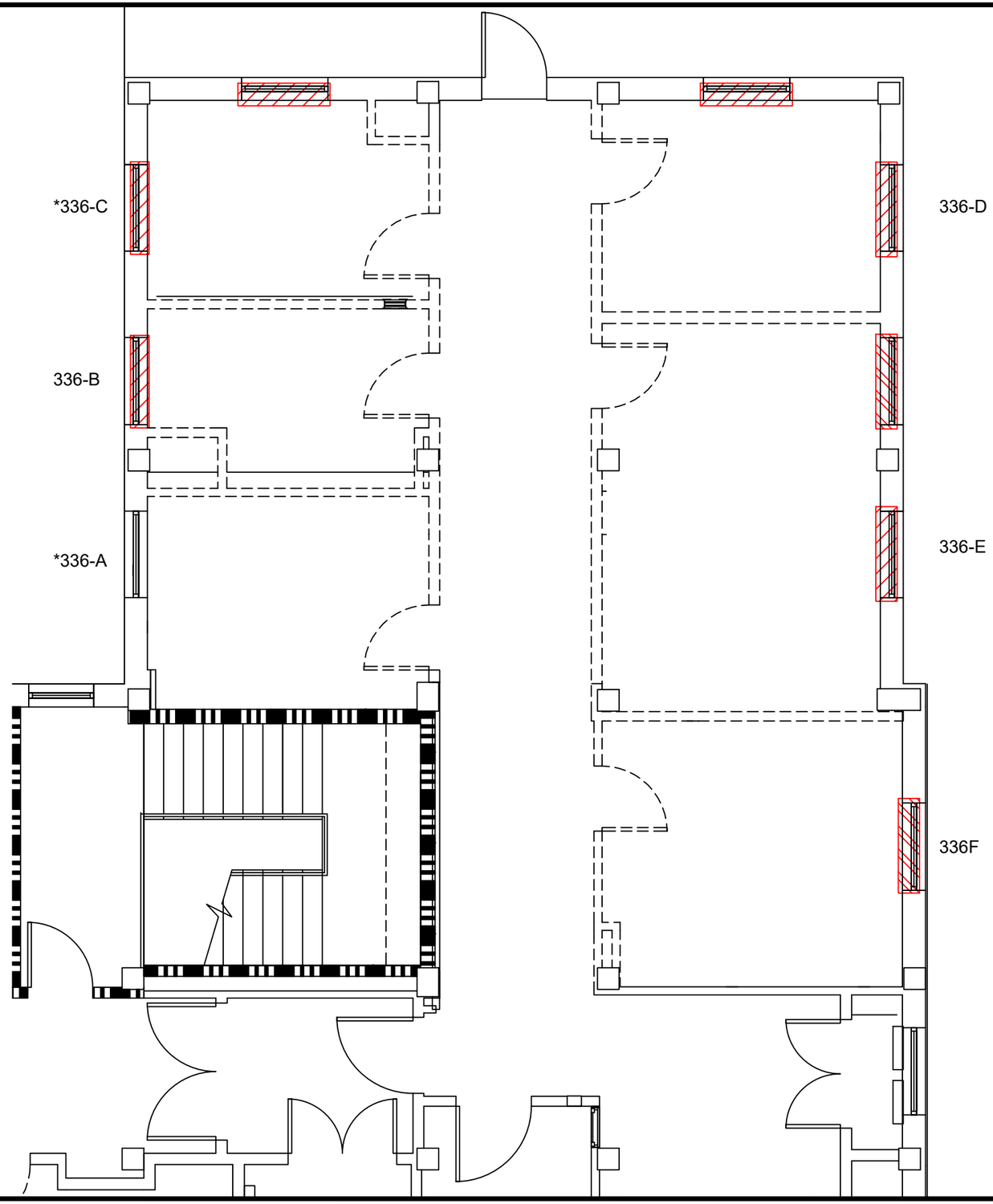
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

1
Figure



BUILDING #1

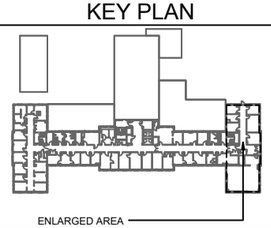
ROOM #336A - 336F

LEAD HMA

Sill, Casing, Apron

Casing

KEY PLAN



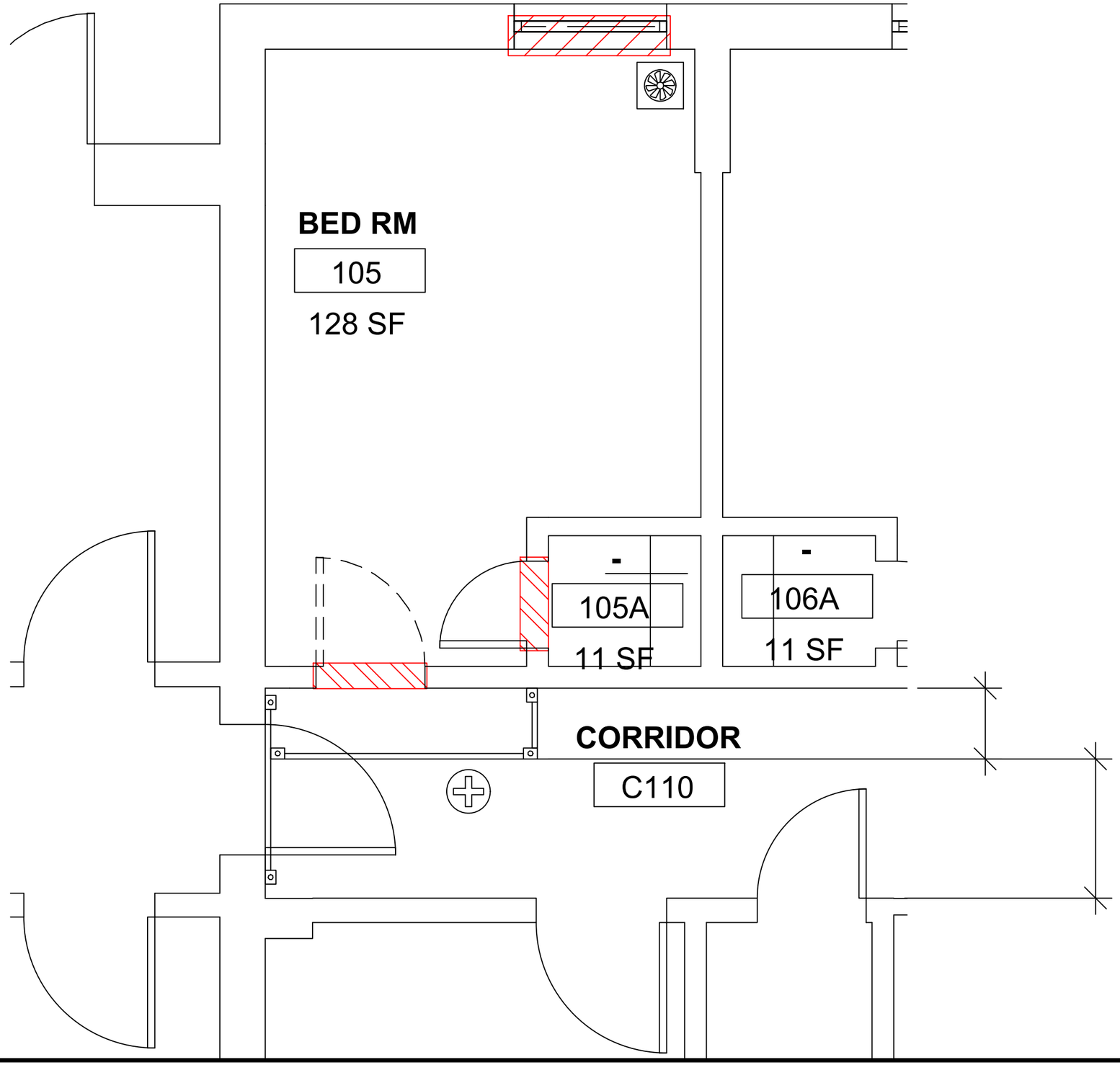
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

2
Figure



BUILDING #4

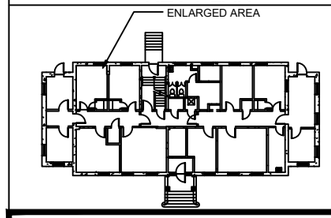
ROOM #105

LEAD HMA

Sill, Casing

Casing & Jamb

KEY PLAN



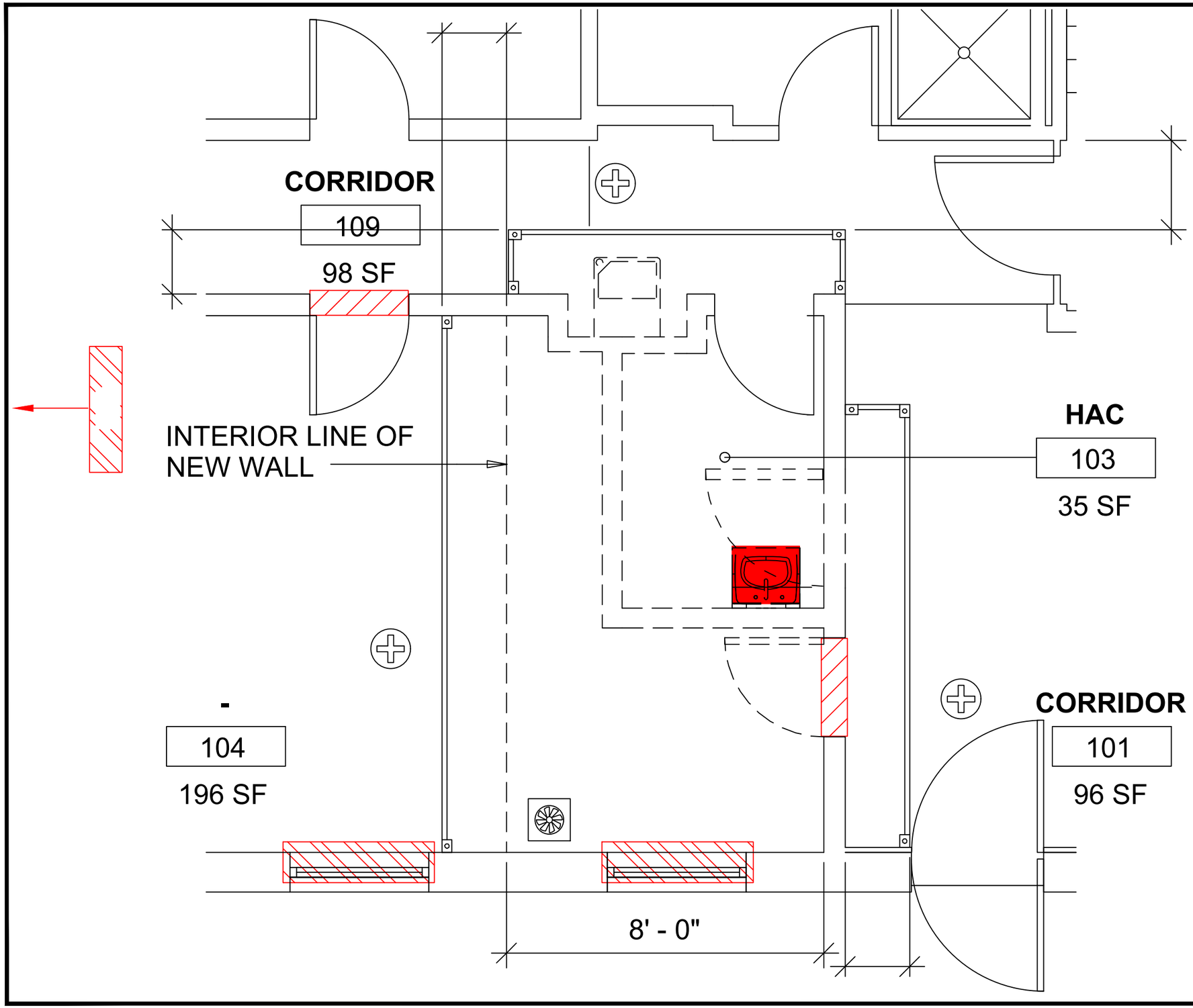
VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

3
Figure



BUILDING #9

ROOM #104 & #103

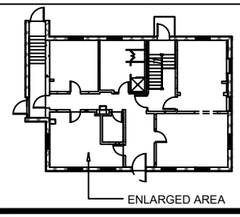
LEAD HMA

Sill, Casing, Apron

Casing

Sink

KEY PLAN



VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

4
Figure

OFFICE
G17
99 SF

HOUSEKEEPING
G19
60 SF

CLOSET
-
14 SF

MENS TOILET
G11
53 SF

VOLUNTARY SVCS
G12
162 SF

WAITING
G15
414 SF

CORRIDOR
CG2
849 SF

± 10' - 5 3/4" (EXIST.)

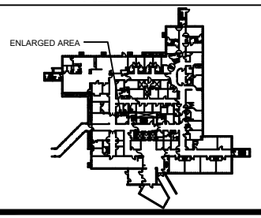
BUILDING #31

ROOM #G12

LEAD HMA

Door

KEY PLAN



VA - VT White River Junction

163 Veterans Drive
White River Junction, VT
05009

Project No. 24-202	Checked By
Drawn By GC 12-11-24	Approved By
Rev #:	Date:
Rev #:	Date:
Rev #:	Date:

APEX

5
Figure

APPENDIX C
ANALYTICAL RESULTS

CA Labs

C.A. Labs, LLC.
12232 Industriplex
Suite 32
Baton Rouge, LA 70809

Phone: 225-751-5632
Fax: 225-751-5634
Mobile: 225-993-3471

Chain of Custody

Client Name: Apex Environmental Solutions
Client Address: 9400 Village Green Drive
Shreveport, LA 71115

phone number: 318-780-5894
fax number:
Project Number: 24-202

Contact: Yanni Petikas

CA Labs job # **CBR** 24129482

Billing Address: (if different)

Send Reports to: WWW.apex-enviro.com
Project Name: EHRM Infrastructure Upgrades Design

Reports Results VIA: EMAIL ✓ FAX ___ VERBAL ___

Total # Samples Submitted:	Total # Samples to be Analyzed:	Material Matrix:
273	273	Air / (Bulk) / Water

Asbestos: *please call ahead for availability of all rush and/or after hours samples.*

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
Circle analysis and TA time		*Circle analysis and TA time*	*2 hour*	**Allergen Particle**:	*2 hour*
AHERA	*4 hour*	(Improved)	4 hour	tape/bulk/swab	4 hour
EPA Level II	8 hour	(Interim)	8 hour	Cyclex-d cassettes	8 hour
Drinking Water	16 hour		16 hour	Air-o-cell cassettes	16 hour
Wipe	24 hour	~~AHERA~~ EL	24 hour	Anderson cultures	24 hour
Micro-vac	2 days		2 days	Bulk/swab cultures	2 days
NIOSH 7402	3 days	Point Count -	(3 days)	Bacteria cultures	3 days
Chatfield Bulk	5 days	(NESHAPS)	5 days	**PCM**: NIOSH 7400	5-10 days

Lead: *Circle analysis and TA time*

Matrix:	Paint Chips	Soil	Air	Wipes	Wastewater	TCLP
TA Time:	***8 hour***	1 day	2 days	3 days	5 days	6-10 days

Sample Information:

Sample Number:	Sample Location:	Sample Date/Time:	Sample Volume (L)
(10) A1-A2	Drywall system	12/16 - 12/17	
(10) B1-B2	Tan Covebase w/ white mastic		
(10) C1-C2	2'x4' white ceiling tiles		
112 (A1-A2)	Yellow/brown carpet mastic		
112 (B1-B2)	Black covebase w/ tan mastic		

Custody Information:

Samples relinquished: [signature] 12-18-24 1630
Signature / Date / Time

Samples received: [signature] 12/20/24 10:15
Signature / Date / Time

Samples relinquished: ___
Signature / Date / Time

Samples received: ___
Signature / Date / Time

CA Labs

12232 Industriplex
Suite 32
Baton Rouge, LA 70809

Phone: 225-751-5632
Fax: 225-751-5634
After hours Mobile: 225-993-3471

Client Name: _____
Client Address: _____
_____
phone number: _____
fax number: _____
Project Number: _____

CA Labs job # **CBR** 24129482

Billing Address: _____
(if different) _____
_____
Send Reports to: _____
Project Name: _____

Contact: _____

Reports Results
VIA: EMAIL_____ FAX____ VERBAL___

Sample Number:	Sample Location:	Sample Date/Time:	Sample Volume (L)
113 (A1-A2)	Drywall system	12/16 - 12/17	
113 (B1-B2)	12"x12" orange floor tiles		
113 (C1-C3)	Plaster system		
113 (D1-D2)	Brown cove base w/ brown mastic		
201 (A1-A2)	12"x12" yellow/brown floor tiles		
201 (B1-B2)	Drywall system		
201 (C1-C2)	2'x4' ceiling tiles		
201 (D1-D2)	Grey duct sealant		
201 (E1-E2)	Brown mastic behind ceramic tiles		
201 (F1-F3)	Joint compound over plaster		
201 (G1-G2)	Brown cove base w/ brown mastic		
331 (A1-A2)	Brown/yellow Carpet mastic		
331 (B1-B2)	12"x12" green floor tiles w/ black mastic		
331 (C1-C3)	Plaster systems		
331 (E1-E2)	Grey cove base w/ white mastic		
331 (F1-F2)	2'x4' white ceiling tiles		
332 (A1-A3)	Plaster system		
332 (B1-B2)	Brown carpet mastic		
332 (C1-C2)	2'x4' white ceiling tiles		
336 (A1-A7)	Plaster system		
336 (B1-B2)	White/cream wallpaper		
336E (A1-A2)	12"x12" white/grey floor tiles		
336E (B1-B2)	Black cove base w/ brown mastic		
336F (A1-A2)	Drywall system		

For internal use:
Any initial changes regarding project (indicate yes by checking line)_____

Custody Information:
Samples relinquished: [signature] 12-18-24 1630
Signature / Date / Time

Samples received: [signature] 12/20/24 10:15
Signature / Date / Time

Samples relinquished: _____
Signature / Date / Time

Samples received: _____
Signature / Date / Time

CA Labs

12232 Industriplex
Suite 32
Baton Rouge, LA 70809

Phone: 225-751-5632
Fax: 225-751-5634
After hours Mobile: 225-993-3471

Client Name:

Client Address:

phone number:

fax number:

Project Number:

Contact:

CA Labs job # CBR 24129482

Billing Address:

(if different)

Send Reports to:

Project Name:

Reports Results

VIA: EMAIL____ FAX____ VERBAL___

Sample Number:	Sample Location:	Sample Date/Time:	Sample Volume (L)
336E (B1-B2)	Black cove base w/ brown mastic	12/16-12/17	
336F (B1-B2)	Residual yellow carpet mastic		
336F (C1-C2)	2'x4' white ceiling tiles		
336F (D1-D2)	Tan cove base w/ grey mastic		
336 (C1-C2)	Black cove base w/ tan mastic		
336 (D1-D2)	12"x12" green floor tiles		
336B (A1-A2)	Drywall system		
336D (A1-A2)	Yellow carpet mastic		
336D (B1-B2)	Residual brown mastic along floor		
336A (A1-A2)	2'x4' white ceiling tiles		
336A (B1-B2)	2'x4' white ceiling tiles		
105 (A1-A2)	Yellow carpet mastic w/ black foam		
105 (B1-B3)	Plaster system		
105 (C1-C2)	Grey cove base w/ white mastic		
B1A (A1-A2)	Drywall system		
103 (A1-A2)	12"x12" tan/brown floor tiles		
104 (A1-A2)	12"x12" grey floor tiles		
104 (B1-B3)	Plaster system		
G31A (A1-A2)	12"x12" brown floor tiles w/ black mastic		
G31A (B1-B2)	Drywall system		
G31A (C1-C2)	24"x24" white ceiling tiles		
G31A (D1-D2)	2'x4' white ceiling tiles		
115A (A1-A2)	Yellow/black carpet mastic		
115A (B1-B3)	Plaster system		

For internal use:
Any initial changes regarding project (indicate yes by checking line)_____

Custody Information:

Samples relinquished: 12-13-24 1630
Signature / Date / Time

Samples received: 12/20/24 10:15
Signature / Date / Time

Samples relinquished:
Signature / Date / Time

Samples received:
Signature / Date / Time

CA Labs

12232 Industriplex
Suite 32
Baton Rouge, LA 70809

Phone: 225-751-5632
Fax: 225-751-5634
After hours Mobile: 225-993-3471

Client Name: _____ | **CA Labs job #** **CBR** 24129482

Client Address: _____ | Billing Address: _____

_____ | (if different) _____

phone number: _____ | _____

fax number: _____ | Send Reports to: _____

Project Number: _____ | Project Name: _____

Contact: _____ **Reports Results VIA: EMAIL_____ FAX____ VERBAL___**

Sample Number:	Sample Location:	Sample Date/Time:	Sample Volume (L)
115A (C1-C2)	Tan cove base w/ grey mastic	12/16-12/17	
115A (D1-D2)	Black/brown cove base w/ grey mastic		
115A (E1-E2)	2'x4' White ceiling tiles		
115A (F1-F2)	2'x4' white ceiling tiles		
219 (A1-A2)	12"x12" white floor tiles brown mastic		
219 (B1-B2)	Brown cove base w/ white mastic		
219 (C1-C2)	24"x24" white ceiling tiles		
219 (D1-D2)	Plaster system		
219 (E1-E2)	Drywall system		
B19B (A1-A2)	12"x12" cream floor tiles black mastic		
B19B (B1-B2)	Black cove base w/ brown mastic		
B19B (C1-C2)	2'x4' white ceiling tiles		
B18 (A1-A3)	Spray on fireproofing		
B18 (B1-B2)	12"x12" grey floor tiles black mastic		
G12 (A1-A2)	Brown cove base w/ brown mastic		
G12 (B1-B2)	Drywall system		
G12 (C1-C2)	24"x24" white ceiling tiles		
G12 (D1-D2)	12"x12" white floor tiles yellow mastic		
115 (A1-A2)	12"x12" grey floor tiles w/ black mastic		
115 (B1-B2)	24"x24" white floor tiles		
226 (A1-A2)	12"x12" white floor tiles black mastic		
226 (B1-B2)	Brown mastic behind ceramic tiles		
226 (C1-C2)	24"x24" white ceiling tiles		
226 (D1-D2)	Drywall system		

For internal use:
Any initial changes regarding project (indicate yes by checking line)_____

Custody Information:

Samples relinquished: _____ 12-18-24 1630
Signature / Date / Time

Samples received: _____ 12/20/24 10:15
Signature / Date / Time

Samples relinquished: _____
Signature / Date / Time

Samples received: _____
Signature / Date / Time

CA Labs

12232 Industriplex
Suite 32
Baton Rouge, LA 70809

Phone: 225-751-5632
Fax: 225-751-5634
After hours Mobile: 225-993-3471

Client Name:

Client Address:

phone number:

fax number:

Project Number:

Contact:

CA Labs job # CBR 24129482

Billing Address: (if different)

Send Reports to:

Project Name:

Reports Results VIA: EMAIL____ FAX____ VERBAL___

Sample Number:	Sample Location:	Sample Date/Time:	Sample Volume (L)
226 (A1-A2)	12"x12" white floor tiles black mastic	12/16-12/17	
226 (B1-B2)	Brown mastic behind ceramic tiles		
226 (C1-C2)	24"x24" white ceiling tiles		
226 (D1-D2)	Drywall system		
200A 200B (A1-A2)	Drywall system		
605 (A1-A2)	Drywall system		
605 (B1-B2)	12"x12" Cream floor tiles black mastic		
605 (C1-C2)	2'x4' white ceiling tiles		
605 (D1-D2)	Black corebase grey mastic		
132 (A1-A2)	Drywall system		
132 (B1-B2)	12"x12" white floor tiles brown mastic		
132 (C1-C2)	Blue/grey corebase tan mastic		
132 (D1-D2)	2'x4' white ceiling tiles		
DATA-4 (A1-A3)	Drywall system		
DATA-4 (B1-B2)	12"x12" white floor tiles		
387 (A1-A2)	Drywall system		
387 (B1-B2)	Grey corebase tan mastic		
387 (C1-C2)	Grey/white linoleum sheet flooring		
386 (A1-A2)	Grout behind grey ceramic tiles		
386 (B1-B2)	2'x4' white ceiling tiles		
6115 (A1-A2)	12"x12" tan floor tiles brown mastic		
6115 (B1-B2)	Drywall system		
6115 (C1-C2)	24"x24" white ceiling tiles		
6115 (D1-D2)	Grey cove base tan mastic		

For internal use:
Any initial changes regarding project (indicate yes by checking line)_____

Custody Information:

Samples relinquished: 12-13-24 1630
Signature / Date / Time

Samples received: 12/20/24 10:15
Signature / Date / Time

Samples relinquished:
Signature / Date / Time

Samples received:
Signature / Date / Time

CA Labs

12232 Industriplex
Suite 32
Baton Rouge, LA 70809

Phone: 225-751-5632
Fax: 225-751-5634
After hours Mobile: 225-993-3471

Client Name:

Client Address:

phone number:

fax number:

Project Number:

Contact:

CA Labs job # **CBR** 24129482

Billing Address:

(if different)

Send Reports to:

Project Name:

Reports Results

VIA: EMAIL____ FAX____ VERBAL___

Sample Number:	Sample Location:	Sample Date/Time:	Sample Volume (L)
1-118 (A1-A2)	Grout behind ceramic tiles	12/16 - 12/17	
1-119 (A1-A3)	Plaster system		
2-114B (A1-A2)	Black lab table		
2-114B (B1-B2)	Drywall system		
2-114B (C1-C2)	Cream Cove base white mastic		
2-114B (D1-D2)	24"x24" white ceiling tiles		
2-114B (E1-E2)	12" x 12" tan floor tiles		
205 (A1-A2)	Drywall system		
B100 (A1-A2)	Drywall system		
B100C (B1-B2)	Red fire stop		
B01 (A1-A3)	Textured wall and ceiling material		
B01 (B1-B2)	Drywall system		
119 (A1-A2)	12" x 12" white floor tiles		
119 (B1-B2)	Grey/blue Cove base white mastic		
119 (C1-C2)	12"x12" white rough texture ceiling tiles		
119 (D1-D2)	Drywall system		
B1000 (A1-A2)	Drywall system		
B1000 (B1-B2)	Cream/tan floor tiles		
1109 (A1-A2)	Drywall system		
1109 (B1-B2)	Blue/grey cove base white mastic		
1109 (C1-C2)	12" x 12" white floor tiles		
1109 (D1-D2)	24"x24" Smooth white ceiling tiles		
G123 (A1-A2)	Drywall system		
G123 (B1-B2)	2'x4' white ceiling tiles		

For internal use:
Any initial changes regarding project (indicate yes by checking line)_____

Custody Information:

Samples relinquished: 12-18-24 1630
Signature / Date / Time

Samples received: 12/20/24 10:15
Signature / Date / Time

Samples relinquished:
Signature / Date / Time

Samples received:
Signature / Date / Time

CA Labs

12232 Industriplex
Suite 32
Baton Rouge, LA 70809

Phone: 225-751-5632
Fax: 225-751-5634
After hours Mobile: 225-993-3471

Client Name: _____

Client Address: _____

_____

phone number: _____

fax number: _____

Project Number: _____

CA Labs job # **CBR** 24129482

Billing Address: _____
(if different) _____

_____

Send Reports to: _____

Project Name: _____

Contact: _____

Reports Results
VIA: EMAIL_____ FAX____ VERBAL___

Sample Number:	Sample Location:	Sample Date/Time:	Sample Volume (L)
1105A (A1-A2)	2'x4' White ceiling tiles	12/16 - 12/17	
1105A (B1 - B2)	12"x12" white/cream floor tiles		
1105A (C1 - C2)	2'x4' white ceiling tiles		

For internal use:
Any initial changes regarding project (indicate yes by checking line)_____

Custody Information:

Samples relinquished: 12-18-24 1630
Signature / Date / Time

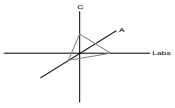
Samples received: 12/20/24 10:15
Signature / Date / Time

Samples relinquished: _____
Signature / Date / Time

Samples received: _____
Signature / Date / Time

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634



NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Attn: Brad Kennon
Customer Project: EHRM Infrastructure Upgrades Design
Reference #: CBR24129482 Date: 12/26/2024

Analysis and Method

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

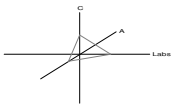
Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines .Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634



NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project: EHRM Infrastructure Upgrades Design **CA Labs Project #:** CBR24129482

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent
(10)-A1	*(10)A 1-1*	*White Surfaced White Compound*	***3% Chrysotile***
(10)-A2	*(10)A 2-1*	*White Surfaced White Compound*	***3% Chrysotile***
113-A1	*113.A 1-1*	*White Surfaced White Compound*	***2% Chrysotile***
113-A2	*113.A 2-1*	*White Surfaced White Compound*	***2% Chrysotile***
113-B1	*113.B 1-2*	*Black Mastic*	***4% Chrysotile***
113-B2	*113.B 2-2*	*Black Mastic*	***4% Chrysotile***
201-A1	*201.A 1-1*	*Yellow Floor Tile*	***2% Chrysotile***
	201.A 1-2	*Black Mastic*	***4% Chrysotile***

List of Affected Building Material Types

White Surfaced White Compound
Black Mastic
Yellow Floor Tile
Gray Sealant
Green Floor Tile
No Sample Submitted
Tan Mastic
Tan Floor Tile

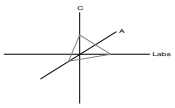
Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634



NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project: EHRM Infrastructure Upgrades Design **CA Labs Project #:** CBR24129482

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
201-A2	*201.A 2-1*	*Yellow Floor Tile*	***2% Chrysotile***	
	201.A 2-2	*Black Mastic*	***4% Chrysotile***	
201-D1	*201.D 1-1*	*Gray Sealant*	***3% Chrysotile***	
201-D2	*201.D 2-1*	*Gray Sealant*	***3% Chrysotile***	
331-B1	*331.B 1-2*	*Black Mastic*	***4% Chrysotile***	
331-B2	*331.B 2-3*	*Black Mastic*	***4% Chrysotile***	
336-D1	*336.D 1-1*	*Green Floor Tile*	***2% Chrysotile***	
	336.D 1-2	*Black Mastic*	***4% Chrysotile***	

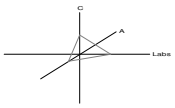
Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634



NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project: EHRM Infrastructure Upgrades Design **CA Labs Project #:** CBR24129482

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
336-D2	*336.D 2-1*	*Green Floor Tile*	***2% Chrysotile***	
	336.D 2-2	*Black Mastic*	***4% Chrysotile***	
336A-A2	*336A. A2-1*	*No Sample Submitted*		
336A-B2	*336A. B2-1*	*No Sample Submitted*		
103-A1	*103.A 1-2*	*Tan Mastic*	***2% Chrysotile***	
G31A-A1	*G31A .A1-1*	*Tan Floor Tile*	***2% Chrysotile***	
G31A-A2	*G31A .A2-1*	*Tan Floor Tile*	***2% Chrysotile***	
115A-A1	*115A. A1-1*	*Black and Tan Mastic*	***2% Chrysotile***	

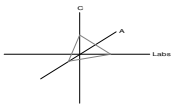
Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634



NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project: EHRM Infrastructure Upgrades Design **CA Labs Project #:** CBR24129482

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
115A-A2	*115A. A2-1*	*Black and Tan Mastic*	***2% Chrysotile***	
B19B-A1	*B19B. A1-1*	*Tan Floor Tile*	***2% Chrysotile***	
	B19B. A1-2	*Black Mastic*	***4% Chrysotile***	
B19B-A2	*B19B. A2-1*	*Tan Floor Tile*	***2% Chrysotile***	
	B19B. A2-2	*Black Mastic*	***4% Chrysotile***	
B18-B1	*B18.B 1-1*	*Gray Floor Tile*	***2% Chrysotile***	
	B18.B 1-2	*Black Mastic*	***4% Chrysotile***	
B18-B2	*B18.B 2-1*	*Gray Floor Tile*	***2% Chrysotile***	

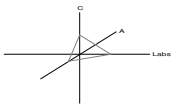
Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634



NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project: EHRM Infrastructure Upgrades Design **CA Labs Project #:** CBR24129482

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
	B18.B 2-2	*Black Mastic*	***4% Chrysotile***	
115-A1	*115.A 1-1*	*Tan Floor Tile*	***3% Chrysotile***	
	115.A 1-2	*Black Mastic*	***4% Chrysotile***	
115-A2	*115.A 2-1*	*Tan Floor Tile*	***3% Chrysotile***	
	115.A 2-2	*Black Mastic*	***4% Chrysotile***	
226-A1	*226.A 1-1*	*Gray Floor Tile*	***2% Chrysotile***	
	226.A 1-2	*Black Mastic*	***4% Chrysotile***	
226-A2	*226.A 2-1*	*Gray Floor Tile*	***2% Chrysotile***	

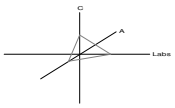
Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634



NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project: EHRM Infrastructure Upgrades Design **CA Labs Project #:** CBR24129482

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
	226.A 2-2	*Black Mastic*	***4% Chrysotile***	
G05-B1	*G05. B1-2*	*Black Mastic*	***4% Chrysotile***	
G05-B2	*G05. B2-2*	*Black Mastic*	***4% Chrysotile***	

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
(10)-A1		*(10)A 1-1*	*White Surfaced White Compound*	*N*	***3% Chrysotile***		97% qu, mi, bi, ca
		(10)A 1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
(10)-A2		*(10)A 2-1*	*White Surfaced White Compound*	*N*	***3% Chrysotile***		97% qu, mi, bi, ca
		(10)A 2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
(10)-B1		*(10)B 1-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma
		(10)B 1-2	*Gray Mastic*	*Y*	***None Detected***		100% qu, bi
(10)-B2		*(10)B 2-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		(10)B 2-2	*Gray Mastic*	*Y*	***None Detected***		100% qu, bi
(10)-C1		*(10)C 1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
(10)-C2		*(10)C 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
112-A1		*112.A 1-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
112-A2		*112.A 2-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
112-B1		*112.B 1-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma
		112.B 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
112-B2		*112.B 2-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma
		112.B 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
113-A1		*113.A 1-1*	*White Surfaced White Compound*	*N*	***2% Chrysotile***		98% qu, mi, bi, ca
		113.A 1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
113-A2		*113.A 2-1*	*White Surfaced White Compound*	*N*	***2% Chrysotile***		98% qu, mi, bi, ca
		113.A 2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
113-B1		*113.B 1-1*	*Orange Floor Tile*	*Y*	***None Detected***		100% qu, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		113.B 1-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
113-B2		*113.B 2-1*	*Orange Floor Tile*	*Y*	***None Detected***		100% qu, ca
		113.B 2-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
113-C1		*113.C 1-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
	10	*113.C 1-2*	*Gray Plaster*	*Y*	***None Detected***	3% sy	97% qu, ma, ca
113-C2		*113.C 2-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
	10	*113.C 2-2*	*Gray Plaster*	*Y*	***None Detected***	3% sy	97% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
113-C3		*113.C 3-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		113.C 3-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
113-D1		*113.D 1-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma
		113.D 1-2	*Brown Mastic*	*Y*	***None Detected***		100% qu, bi
113-D2		*113.D 2-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma
		113.D 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
201-A1		*201.A 1-1*	*Yellow Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		201.A 1-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
201-A2		*201.A 2-1*	*Yellow Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca
		201.A 2-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
201-B1		*201.B 1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		201.B 1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
201-B2		*201.B 2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		201.B 2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
201-C1		*201.C 1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
201-C2		*201.C 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
201-D1		*201.D 1-1*	*Gray Sealant*	*Y*	***3% Chrysotile***	2% wo	95% qu, ma
201-D2		*201.D 2-1*	*Gray Sealant*	*Y*	***3% Chrysotile***	2% wo	95% qu, ma
201-E1		*201.E 1-1*	*Yellow Ceramic Tile*	*Y*	***None Detected***		100% qu, ca, ot
		201.E 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
201-E2		*201.E 2-1*	*Yellow Ceramic Tile*	*Y*	***None Detected***		100% qu, ca, ot

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		201.E 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
201-F1		*201.F 1-1*	*Yellow Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
201-F2		*201.F 2-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
201-F3		*201.F 3-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
201-G1		*201.G 1-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma
		201.G 1-2	*Brown Mastic*	*Y*	***None Detected***		100% qu, bi
201-G2		*201.G 2-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		201.G 2-2	*Brown Mastic*	*Y*	***None Detected***		100% qu, bi
331-A1		*331.A 1-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
331-A2		*331.A 2-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
331-B1	***10***	*331.B 1-1*	*Green Floor Tile*	*Y*	***None Detected***		100% qu, ma, ca
		331.B 1-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
		331.B 1-3	*Gray Leveling Plaster*	*Y*	***None Detected***		100% qu, ma, ca
331-B2		*331.B 2-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
	10	*331.B 2-2*	*Green Floor Tile*	*Y*	***None Detected***		100% qu, ma, ca
		331.B 2-3	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
331-C1		*331.C 1-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		331.C 1-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
331-C2		*331.C 2-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		331.C 2-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
331-C3		*331.C 3-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		331.C 3-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
331-D1		*331.D 1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		331.D 1-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca
331-D2		*331.D 2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		331.D 2-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca
		331.D 2-3	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
331-E1		*331.E 1-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		331.E 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
331-E2		*331.E 2-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma
		331.E 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
331-F1		*331.F 1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
331-F2		*331.F 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
332-A1		*332.A 1-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		332.A 1-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
332-A2		*332.A 2-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		332.A 2-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
332-A3		*332.A 3-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		332.A 3-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
332-B1		*332.B 1-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
332-B2		*332.B 2-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
332-C1		*332.C 1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
332-C2		*332.C 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
336-A1		*336.A 1-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		336.A 1-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
336-A2		*336.A 2-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		336.A 2-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
336-A3		*336.A 3-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		336.A 3-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
336-A4		*336.A 4-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		336.A 4-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
336-A5		*336.A 5-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		336.A 5-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
336-A6		*336.A 6-1*	*White Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		336.A 6-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
336-A7		*336.A 7-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		336.A 7-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
336-B1		*336.B 1-1*	*White Covering*	*Y*	***None Detected***	70% ce	30% qu, ma
		336.B 1-2	*White Compound*	*Y*	***None Detected***		100% qu, mi, ca
336-B2		*336.B 2-1*	*White Covering*	*Y*	***None Detected***	70% ce	30% qu, ma
		336.B 2-2	*White Compound*	*Y*	***None Detected***		100% qu, mi, ca
336E-A1		*336E. A1-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ca
		336E. A1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		336E.A1-3	*Gray Leveling Plaster*	*Y*	***None Detected***		100% qu, ma, ca
336E-A2		*336E.A2-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ca
		336E.A2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
336E-B1		*336E.B1-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		336E.B1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
336E-B2		*336E.B2-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		336E.B2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
336F-A1		*336F. A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		336F. A1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
336F-A2		*336F. A2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		336F. A2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
336F-B1		*336F. B1-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
336F-B2		*336F. B2-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
336F-C1		*336F. C1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
336F-C2		*336F.C2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
336F-D1		*336F.D1-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma
		336F.D1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
336F-D2		*336F.D2-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma
		336F.D2-2	*Tan and Brown Mastic*	*Y*	***None Detected***		100% qu, bi
336-C1		*336.C1-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma
		336.C1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
336-C2		*336.C 2-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma
		336.C 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
336-D1		*336.D 1-1*	*Green Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca
		336.D 1-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
336-D2		*336.D 2-1*	*Green Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca
		336.D 2-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
336B-A1		*336B. A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		336B. A1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
336B-A2		*336B. A2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		336B. A2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
336D-A1		*336D. A1-1*	*Black and Tan Mastic*	*N*	***None Detected***		100% qu, ma, bi
336D-A2		*336D. A2-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
336D-B1		*336D. B1-1*	*Brown Mastic*	*Y*	***None Detected***	3% wo	97% qu, ma, bi
336D-B2		*336D. B2-1*	*Black Sealant*	*Y*	***None Detected***		100% qu, ma, ot

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
336A-A1		*336A.A1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
336A-A2		*336A.A2-1*	*No Sample Submitted*				
336A-B1		*336A.B1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
336A-B2		*336A.B2-1*	*No Sample Submitted*				
105-A1		*105.A1-1*	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
		105.A1-2	*Black Foam*	*Y*	***None Detected***		100% qu, ma, ot
105-A2		*105.A2-1*	*Black Foam*	*Y*	***None Detected***		100% qu, ma, ot

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
105-B1		*105.B 1-1*	*Blue Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		105.B 1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
105-B2		*105.B 2-1*	*Blue Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		105.B 2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
105-B3		*105.B 3-1*	*Blue Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
105-C1		*105.C 1-1*	*Gray Cove Base*	*N*	***None Detected***		100% qu, ma
		105.C 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
105-C2		*105.C 2-1*	*Gray Cove Base*	*N*	***None Detected***		100% qu, ma
		105.C 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
B1A-A1		*B1A. A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		B1A. A1-2	*Tan Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
B1A-A2		*B1A. A2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		B1A. A2-2	*Tan Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
103-A1		*103.A 1-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		103.A 1-2	*Tan Mastic*	*Y*	***2% Chrysotile***		98% qu, bi
103-A2		*103.A 2-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ca
		103.A 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
104-A1		*104.A 1-1*	*Gray Floor Tile*	*Y*	***None Detected***		100% qu, ca
		104.A 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
104-A2		*104.A 2-1*	*Gray Floor Tile*	*Y*	***None Detected***		100% qu, ca
		104.A 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
104-B1		*104.B1-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		104.B1-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
104-B2		*104.B2-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		104.B2-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
104-B3		*104.B3-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		104.B3-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
G31A-A1		*G31A.A1-1*	*Tan Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		G31A .A1-2	*Black Mastic*	*Y*	***None Detected***		100% qu, bi
G31A-A2		*G31A .A2-1*	*Tan Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca
		G31A .A2-2	*Black Mastic*	*Y*	***None Detected***		100% qu, bi
G31A-B1		*G31A .B1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		G31A .B1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G31A-B2		*G31A .B2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		G31A .B2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
G31A-C1		*G31A.C1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G31A-C2		*G31A.C2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G31A-D1		*G31A.D1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G31A-D2		*G31A.D2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
115A-A1		*115A.A1-1*	*Black and Tan Mastic*	*N*	***2% Chrysotile***		98% qu, bi
115A-A2		*115A.A2-1*	*Black and Tan Mastic*	*N*	***2% Chrysotile***		98% qu, bi
115A-B1		*115A.B1-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		115A. B1-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
115A-B2		*115A. B2-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		115A. B2-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
115A-B3		*115A. B3-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		115A. B3-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
115A-C1		*115A. C1-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma
		115A. C1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
115A-C2		*115A. C2-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma
		115A. C2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
115A-D1		*115A. D1-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		115A. D1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
115A-D2		*115A. D2-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		115A. D2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
115A-E1		*115A. E1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
115A-E2		*115A.E2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
115A-F1		*115A.F1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
115A-F2		*115A.F2*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
219-A1		*219.A1-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		219.A1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
219-A2		*219.A2-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		219.A2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
219-B1		*219.B 1-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		219.B 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
219-B2		*219.B 2-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		219.B 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
219-C1		*219.C 1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
219-C2		*219.C 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
219-D1		*219.D 1-1*	*White Plaster*	*Y*	***None Detected***		100% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
219-D2		*219.D2-1*	*White Plaster*	*Y*	***None Detected***		100% qu, ma, ca
219-D3		*219.D3-1*	*White Plaster*	*Y*	***None Detected***		100% qu, ma, ca
219-E1		*219.E1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		219.E1-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca
		219.E1-3	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
219-E2		*219.E2-1*	*Tan Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
B19B-A1		*B19B.A1-1*	*Tan Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		B19B. A1-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
B19B-A2		*B19B. A2-1*	*Tan Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca
		B19B. A2-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
B19B-B1		*B19B. B1-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma
		B19B. B1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
B19B-B2		*B19B. B2-1*	*Black Cove Base*	*Y*	***None Detected***		100% qu, ma
		B19B. B2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
B19B-C1		*B19B.C1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
B19B-C2		*B19B.C2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
B18-A1		*B18.A1-1*	*Tan Insulation*	*Y*	***None Detected***	20% ce	80% qu, ma, ve, ca
B18-A2		*B18.A2-1*	*Tan Insulation*	*Y*	***None Detected***	20% ce	80% qu, ma, ve, ca
B18-A3		*B18.A3-1*	*Tan Insulation*	*Y*	***None Detected***	20% ce	80% qu, ma, ve, ca
B18-B1		*B18.B1-1*	*Gray Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca
		B18.B1-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
B18-B2		*B18.B2-1*	*Gray Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca
		B18.B2-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
G12-A1		*G12.A1-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		G12.A1-2	*Tan and Brown Mastic*	*N*	***None Detected***		100% qu, bi
G12-A2		*G12.A2-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		G12.A2-2	*Tan and Brown Mastic*	*N*	***None Detected***		100% qu, bi
G12-B1		*G12.B1-1*	*Gray Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		G12.B1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G12-B2		*G12.B2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		G12.B2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G12-C1		*G12.C1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G12-C2		*G12.C2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G12-D1		*G12.D1-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		G12.D1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
G12-D2		*G12.D2-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		G12.D2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
115-A1		*115.A1-1*	*Tan Floor Tile*	*Y*	***3% Chrysotile***		97% qu, ma, ca
		115.A1-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
115-A2		*115.A2-1*	*Tan Floor Tile*	*Y*	***3% Chrysotile***		97% qu, ma, ca
		115.A2-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
115-B1		*115.B1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
115-B2		*115.B 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
226-A1		*226.A 1-1*	*Gray Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca
		226.A 1-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
226-A2		*226.A 2-1*	*Gray Floor Tile*	*Y*	***2% Chrysotile***		98% qu, ma, ca
		226.A 2-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
226-B1		*226.B 1-1*	*White Ceramic Tile*	*Y*	***None Detected***		100% qu, ca, ot
		226.B 1-2	*Brown Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
226-B2		*226.B 2-1*	*White Ceramic Tile*	*Y*	***None Detected***		100% qu, ca, ot
		226.B 2-2	*Brown Mastic*	*Y*	***None Detected***		100% qu, bi
226-C1		*226.C 1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
226-C2		*226.C 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
226-D1		*226.D 1-1*	*White Compound*	*Y*	***None Detected***		100% qu, mi, ca
		226.D 1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
226-D2		*226.D 2-1*	*White Compound*	*Y*	***None Detected***		100% qu, mi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		226.D 2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
200A-A1		*200A. A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		200A. A1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
200A-A2		*200A. A2-1*	*White Compound*	*Y*	***None Detected***		100% qu, mi, ca
		200A. A2-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca
		200A. A2-3	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G05-A1		*G05. A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		G05.A1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G05-A2		*G05.A2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		G05.A2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G05-B1		*G05.B1-1*	*Gray Floor Tile*	*Y*	***None Detected***		100% qu, ca
		G05.B1-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi
G05-B2		*G05.B2-1*	*Gray Floor Tile*	*Y*	***None Detected***		100% qu, ca
		G05.B2-2	*Black Mastic*	*Y*	***4% Chrysotile***		96% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
G05-C1		*G05.C1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G05-C2		*G05.C2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G05-D1		*G05.D1-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		G05.D1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
G05-D2		*G05.D2-1*	*Brown Cove Base*	*Y*	***None Detected***		100% qu, ma
		G05.D2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
132-A1		*132.A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		132.A 1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
132-A2		*132.A 2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		132.A 2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
132-B1		*132.B 1-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		132.B 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
132-B2		*132.B 2-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		132.B 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
132-C1		*132.C 1-1*	*Blue Cove Base*	*Y*	***None Detected***		100% qu, ma
		132.C 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
132-C2		*132.C 2-1*	*Blue Cove Base*	*Y*	***None Detected***		100% qu, ma
		132.C 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
132-D1		*132.D 1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
132-D2		*132.D 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
DATA4-A1		*DATA 4.A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		DATA 4.A1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
DATA4-A2		*DATA 4.A2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		DATA 4.A2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
DATA4-A3		*DATA 4.A3-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		DATA 4.A3-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
DATA4-B1		*DATA 4.B1-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
DATA4-B2		*DATA 4.B2-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
387-A1		*387.A 1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		387.A 1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
387-A2		*387.A 2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		387.A 2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
387-B1		*387.B 1-1*	*Gray Cove Base*	*Y*	***None Detected***		100% qu, ma
		387.B 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
387-B2		*387.B 2-1*	*Gray Cove Base*	*Y*	***None Detected***		100% qu, ma

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		387.B 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
387-C1		*387.C 1-1*	*Blue Linoleum*	*Y*	***None Detected***	20% ce	80% qu, ma
387-C2		*387.C 2-1*	*Blue Linoleum*	*Y*	***None Detected***	20% ce	80% qu, ma
386-A1		*386.A 1-1*	*Tan Ceramic Tile*	*Y*	***None Detected***		100% qu, ca, ot
		386.A 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
		386.A 1-3	*White Grout*	*Y*	***None Detected***		100% qu, ma, ca
386-A2		*386.A 2-1*	*Tan Ceramic Tile*	*Y*	***None Detected***		100% qu, ca, ot

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		386.A 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
		386.A 2-3	*White Grout*	*Y*	***None Detected***		100% qu, ma, ca
386-B1		*386.B 1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
386-B2		*386.B 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G115-A1		*G115. A1-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ca
		G115. A1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
G115-A2		*G115. A2-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		G115.A2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
G115-B1		*G115.B1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		G115.B1-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca
		G115.B1-3	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G115-B2		*G115.B2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		G115.B2-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca
		G115.B2-3	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
G115-C1		*G115.C1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G115-C2		*G115.C2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G115-D1		*G115.D1-1*	*Gray Cove Base*	*Y*	***None Detected***		100% qu, ma
		G115.D1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
G115-D2		*G115.D2-1*	*Gray Cove Base*	*Y*	***None Detected***		100% qu, ma
		G115.D2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
1-118-A1		*1.118.A1-1*	*Tan Ceramic Tile*	*Y*	***None Detected***		100% qu, ca, ot

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		1.118 .A1-2	*Gray Grout*	*Y*	***None Detected***		100% qu, ma, ca
1-118-A2		*1.118 .A2-1*	*Tan Ceramic Tile*	*Y*	***None Detected***		100% qu, ca, ot
		1.118 .A2-2	*Gray Grout*	*Y*	***None Detected***		100% qu, ma, ca
1-119-A1		*1.119 .A1-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		1.119 .A1-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
1-119-A2		*1.119 .A2-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		1.119 .A2-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1-119-A3		*1.119.A3-1*	*Tan Surfaced White Finishing Plaster*	*N*	***None Detected***		100% qu, ma, bi, ca
		1.119.A3-2	*Gray Plaster*	*Y*	***None Detected***		100% qu, ma, ca
2-114B-A1		*2.114B.A1-1*	*Black Paneling*	*Y*	***None Detected***		100% qu, ma, ca, ot
		2.114B.A1-2	*White Mastic*	*Y*	***None Detected***		100% qu, bi
2-114B-A2		*2.114B.A2-1*	*Black Paneling*	*Y*	***None Detected***		100% qu, ma, ca, ot
2-114B-B1		*2.114B.B1-1*	*Gray Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		2.114B.B1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
2-114B-B2		*2.114 B.B2-1*	*Gray Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		2.114 B.B2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
2-114B-C1		*2.114 B.C1-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma
		2.114 B.C1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
2-114B-C2		*2.114 B.C2-1*	*Tan Cove Base*	*Y*	***None Detected***		100% qu, ma
		2.114 B.C2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
2-114B-D1		*2.114 B.D1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
2-114B-D2		*2.114 B.D2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
2-114B-E1		*2.114 B.E1-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ca
		2.114 B.E1-2	*Black Mastic*	*Y*	***None Detected***		100% qu, bi
2-114B-E2		*2.114 B.E2-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ca
		2.114 B.E2-2	*Black Mastic*	*Y*	***None Detected***		100% qu, bi
205-A1		*205.A 1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		205.A 1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
205-A2		*205.A2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		205.A2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
B100-A1		*B100.A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		B100.A1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
B100-A2		*B100.A2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		B100.A2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
B100-B1		*B100.B1-1*	*Red Sealant*	*Y*	***None Detected***	4% fg	96% qu, ma

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
B100-B2		*B100.B2-1*	*Red Sealant*	*Y*	***None Detected***	4% fg	96% qu, ma
B01-A1		*B01.A1-1*	*White Textured Surfacing*	*N*	***None Detected***		100% qu, mi, bi, ca
B01-A2		*B01.A2-1*	*White Textured Surfacing*	*N*	***None Detected***		100% qu, mi, bi, ca
B01-A3		*B01.A3-1*	*White Textured Surfacing*	*N*	***None Detected***		100% qu, mi, bi, ca
B01-B1		*B01.B1-1*	*White Compound*	*N*	***None Detected***		100% qu, bi, ca
		B01.B1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
B01-B2		*B01.B2-1*	*White Compound*	*N*	***None Detected***		100% qu, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		B01.B 2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
119-A1		*119.A 1-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ca
		119.A 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
119-A2		*119.A 2-1*	*Tan Floor Tile*	*Y*	***None Detected***		100% qu, ca
		119.A 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
119-B1		*119.B 1-1*	*Green Cove Base*	*Y*	***None Detected***		100% qu, ma
		119.B 1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
119-B2		*119.B 2-1*	*Green Cove Base*	*Y*	***None Detected***		100% qu, ma
		119.B 2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
119-C1		*119.C 1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
119-C2		*119.C 2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
119-D1		*119.D 1-1*	*Tan Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		119.D 1-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca
		119.D 1-3	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
119-D2		*119.D 2-1*	*Tan Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		119.D 2-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca
		119.D 2-3	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
B1000-A1		*B1000.A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		B1000.A1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
B1000-A2		*B1000.A2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		B1000.A2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
B1000-B1		*B1000.B1-1*	*Tan Self-Adhesive Floor Tile*	*Y*	***None Detected***		100% qu, ma, bi
B1000-B2		*B1000.B2-1*	*Tan Self-Adhesive Floor Tile*	*Y*	***None Detected***		100% qu, ma, bi
1109-A1		*1109.A1-1*	*White Surfacing*	*Y*	***None Detected***		100% qu, bi, ca
		1109.A1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
1109-A2		*1109.A2-1*	*Tan Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		1109.A2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
1109-B1		*1109.B1-1*	*Gray Cove Base*	*Y*	***None Detected***		100% qu, ma

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		1109. B1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
1109-B2		*1109. B2-1*	*Gray Cove Base*	*Y*	***None Detected***		100% qu, ma
		1109. B2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
1109-C1		*1109. C1-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		1109. C1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
1109-C2		*1109. C2-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		1109. C2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

CA Labs Project #: CBR24129482

Turnaround Time: 3 day

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1109-D1		*1109. D1-1*	*White Surfacing*	*Y*	***None Detected***		100% qu, bi, ca
		1109. D1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
1109-D2		*1109. D2-1*	*White Surfacing*	*Y*	***None Detected***		100% qu, bi, ca
		1109. D2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G123-A1		*G123. A1-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		G123. A1-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G123-A2		*B123. A2-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project:
EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #:
CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		B123.A2-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
G123-B1		*B123.B1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
G123-B2		*G123.B2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
1105A-A1		*1105A.A1-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
1105A-A2		*1105A.A2-1*	*Gray Ceiling Tile*	*Y*	***None Detected***	15% fg 50% ce	35% qu, ma, pe
1105A-B1		*1105A.B1-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		1105A.B1-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1105A-B2		*1105 A.B2-1*	*White Floor Tile*	*Y*	***None Detected***		100% qu, ca
		1105 A.B2-2	*Tan Mastic*	*Y*	***None Detected***		100% qu, bi
1105A-C1		*1105 A.C1-1*	*Tan Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		1105 A.C1-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca
		1105 A.C1-3	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
1105A-C2		*1105 A.C2-1*	*Tan Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		1105 A.C2-2	*White Compound Beneath Tape*	*Y*	***None Detected***		100% qu, mi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Brad Kennon
Apex Environmental Solutions
533 Pebble Drive
Haughton, LA 71037

Phone # 318-540-6876
Fax #

Customer Project: EHRM Infrastructure Upgrades Design

Turnaround Time: 3 day

CA Labs Project #: CBR24129482

Date: 12/26/2024
Samples Received: 12/20/2024
Date Of Sampling: /2024, 12/17/2024
Purchase Order #: 24-202

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		1105 A.C2-3	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

David Darby
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

APPENDIX D
CERTIFICATION(S)

Certificate of License - Vermont Asbestos and Lead Regulatory Program

Asbestos Inspector

BARRETT SUMMERS LONG
LICENSE: Asb-I/MP-000105
EXPIRES: 4/27/2025

This certificate shall remain in force until the expiration date unless revoked or voided before that time. This certificate is not transferable and is valid only for the above party.

Scan the QR Code for
License Information

Vermont Department of Health
Environmental Health
280 State Drive
Waterbury, VT 05671-8350
ALRP@vermont.gov

STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Bradley Kennon

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of

Asbestos Inspector

Accreditation No. DI182667 **AI No.** 182667

Date of Issuance November 25, 2024 **Expiration** December 12, 2025

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a) may result in civil and/or criminal enforcement actions by the State.

Charles Finley

Permit Support Services Division
Office of Environmental Services

STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Bradley Kennon

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of

Lead Inspector

Accreditation No. **MI182667**

AI No. **182667**

Date of Issuance **March 28, 2024**

Expiration **March 5, 2025**

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a) may result in civil and/or criminal enforcement actions by the State.

Charles Finley

Public Participation & Permit Support Division
Office of Environmental Services