Denver VAMC - Building 4

Site Assessment for Asbestos

Contract # VA259-17-P-5180

September 15, 2017 (Revised)

Developed For:

Denver VAMC
1055 Clermont St.
Denver, Colorado 80220

Department of Veterans Affairs

Developed By:

Valhalla Engineering Group, LLC

and

S&R Environmental Consulting, Inc.

September 15, 2017

US Department of Veterans Affairs
Network Contracting Office (NCO-19)
Attn: Josiah Benton
4100 E. Mississippi Avenue, Suite 900
Glendale, CO 80246

RE: Building 4 Site Assessment for Asbestos at Denver VAMC

Dear Mr. Benton,

Valhalla Engineering Group (Valhalla) and our subcontractor S&R Environmental Consulting, Inc. (S&R) are pleased to provide the results of the walkthrough, inspection and analysis of suspect lead-based paint (LBP) and suspect asbestos-containing building materials (ACBM) from the Denver Veterans Affairs (VA) Hospital- Building 4 located at 1055 Clermont St. in Denver, Colorado. The walkthrough of the structures and onsite analysis of suspect lead-based paint via use of an XRF device was conducted on August 29, 2017. Representative bulk asbestos samples were collected on August 28-30, 2017 and delivered to an independent analytical laboratory on the same dates. The work was performed by Building Inspectors, Rick Block (Building Inspector Certification # 12685) and Alex Green (Asbestos Inspector # 15745, and Lead Inspector # 17133), who are certified and accredited by the Environmental Protection Agency (EPA) and the State of Colorado (CDPHE) as Lead Inspectors and Asbestos Building Inspectors.

Please note, a "work plan" and soil tests were not included in this Site Assessment contract.

UNDERSTANDING OF THE SITUATION

Valhalla understands that the VA were seeking a professional environmental consulting company to conduct a walkthrough of the structure and perform an onsite assessment of suspect LBP prior to interior renovation/demolition activities, specifically to buildings which are scheduled to undergo major renovations in the near future. Additionally, we collected bulk samples of building materials suspected to contain asbestos from the areas scheduled for renovation/demolition. This survey was limited only to Building 4 of the Denver VA Campus. No other areas were included in this survey. It is understood that the building has undergone minor renovations since its initial construction. To the best of our knowledge, no other lead inspections or asbestos surveys have been conducted onsite prior to this activity. We understood that a report of findings would be prepared based on the results of this analysis. The survey is considered complete for Building 4; however additional testing and verification may be required if a CDPHE demolition permit is required since we were instructed not to conduct destructive sampling for additional suspect LBP and ACM locations (second layers of drywall, flooring layers under substrates, etc.).

We conducted the LBP inspection and have compiled this report in accordance with the CDPHE's Air Quality Control Commission Regulation 19, the U.S. Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint

Hazards in Housing and the EPA's Lead-Based Paint Renovation, Repair, and Painting Program (RRP). The asbestos survey and reporting were conducted in accordance with CDPHE's Air Quality Control Commission Regulation 8.

SCOPE OF WORK: LEAD BASED-PAINT

We understand that the VA might be planning a major renovation/demolition project in several interior areas of the Denver VA campus buildings, involving demolishing and removing existing interior building components. In order to comply with state and federal LBP regulations, the VA requested that a LBP inspection be done in all of the areas that may be impacted during the renovation/demolition project. This included all painted or coated building components in the renovation area.

Two hundred and fifty-three (253) individual readings were taken of suspected LBP components located in the building. These tested components included, but were not limited to, window and door components, painted wall/floor/ceiling systems, railings, and other miscellaneous components. Due to the uncertainty of the renovation project, the LBP inspection was complete and all accessible building components were inspected. Some exterior painted components were also inspected and sampled.

ANALYTICAL PROCEDURES: LEAD BASED-PAINT

Suspect lead based paint was analyzed onsite using an X-ray fluorescence (XRF) emission detector designed for lead-based paint inspections and analysis. The XRF machine used was an Innova-X Systems I-3000. The serial number of the XRF machine is 10934. The machine has been approved for use by the CDPHE, and its state registration number is 71047.

A standardization check was performed each time the machine was turned on and set up for LBP testing. Calibration checks were conducted once at the beginning of each inspection period, once every four hours while conducting the inspection, and once at the conclusion of the inspection period.

RESULTS: LEAD BASED-PAINT

The State of Colorado Air Quality Control Commission, the United States Environmental Protection Agency, and the Department of Housing and Urban Development define lead-based paint as paint or other surface coatings containing lead in amounts of 1.0 mg/cm^2 or greater as measured using an XRF detector.

After completion of the inspection and testing, we found a total of eight (8) components that tested above the LBP threshold. Results for all of the inspected painted components, including locations and rooms can be found attached to this report in *Appendix A*.

SCOPE OF WORK: ASBESTOS

Eighty-two (82) representative bulk samples were collected from suspect asbestos-containing materials throughout the building space that may be impacted during the renovation/demolition project. Samples were collected from both the interior and exterior of the building. All sample

locations are marked onsite with their corresponding sample number. A site sampling map can be found attached in *Appendix C* and the complete laboratory results can be found in attachment *Appendix D*. The following is a list of suspect building materials that were tested:

- Drywall and Textured surfacing materials
- Thermal System Insulation (TSI)
- Wall Plaster
- Ceiling Tiles
- Cove Bases and Associated Adhesives
- Floor Tiles and Associated Mastics
- Roof Flashing and Associated Caulking
- Miscellaneous Materials

ANALYTICAL PROCEDURES: ASBESTOS

The bulk samples collected from suspect asbestos-containing materials were delivered to DCM Science Laboratory, Inc., a National Voluntary Laboratory Accreditation Program (NVLAP) asbestos laboratory located in Wheat Ridge, Colorado for a 24 hour turnaround time.
According to the analytical laboratory, the bulk samples were analyzed in accordance with EPA Method 600/R-93/116. Small portions of the samples were placed in Series: E High Dispersion Refractive Index Liquid on a microscope slide. The prepared samples were observed at 100X (power) under polarized light using a McCrone Dispersion Staining Objective. The characteristics of the fibers were compared to the known properties of asbestos fibers for dispersion, color, polarity, distinction and general morphology. Sample content (given by percentage) was made using visual estimates by comparison of asbestos fibers to total materials.

RESULTS: ASBESTOS

The US Environmental Protection Agency (EPA), the Occupational Safety and Health Administration (OSHA), and the State of Colorado Air Quality Control Commission consider a material containing asbestos if the reported amount of asbestos is **greater** than one percent (1%). Based on the analytical report, of the 82 bulk samples submitted, one (1) sample was reported as containing asbestos greater than one percent (1%). Three (3) samples were reported as containing trace amounts (1% or less) of asbestos. A list of all tested materials, locations and results can be found listed below and as attachment *Appendix B* to this report. The complete laboratory results can be found in attachment *Appendix D* to this report.

REGULATED ACM & GENERAL LOCATIONS

Laboratory testing identified one (1) sample which contained regulated amounts of asbestos. The following table lists the location and quantity.

Sample Number	Sample Description	Sample Location	Quantity (ft^2)
4-1-TSI 15	White TSI Hardpack Fitting	1st Floor- Room 101- Ceiling in Northeast Corner of Room	2

Valhalla inspected many other areas of the building to identify any other similar materials; however none were found. It is possible that additional materials may be imbedded in other wall chases or concrete fixtures. Destructive testing may be required in the future to locate any possible additional similar ACM materials.

Three other samples were identified to contain trace amounts of asbestos. The VA may have their own internal procedures regarding the removal of asbestos materials with trace amounts of asbestos; however, as you are aware, all applicable OSHA regulations must be followed when impacting materials at risk of containing trace amounts of asbestos. The contractor must be made aware of these materials and must follow all OSHA regulations (1910.1001 and 1926.1101) when impacting or removing these materials if they will be included in the final scope of work. Some of these regulations include process steps such as: erecting containments, establishing negative pressure and ensuring all proper worker personal protective equipment (PPE) such has respirators.

All the suspect materials were grouped into homogeneous areas based on uniform color, texture, construction/application date and general appearance. All ACM location quantities are general estimates and must be field verified by VA personnel prior to creating a scope of work and abatement plan. A general contractor (GC) or general abatement contractor (GAC) should also field-verify the quantities of any materials which may be impacted.

ROUGH ORDER OF MAGNITUDE

Asbestos Containing Materials:
The only regulated ACM identified was sample 4-1-TSI 15 which was approximately 2 linear feet of thermal systems insulation (TSI). Only half of the TSI was exposed and the remainder was contained in the wall system covered with light concrete. NOTE: In our opinion, at some time in the buildings life cycle, asbestos was removed. This TSI was left because it was imbedded in concrete and only a relatively small amount was visible. It is anticipated that the structural walls will be remaining during this interior renovation. It is possible that if a structural wall is demolished, the demolition may reveal another TSI location that may need to be removed.

The cost estimate to remove this regulated material is **$ ####** including permitting with Colorado Department of Public Health and Environment (CDPHE). This work must be done by a licensed General Abatement Contractor (GAC).

Lead Based Paint:
Numerous locations were identified in the survey where LBP was discovered. These included door frames, window sills, walls, hand rails, painted plaster. Renovation plans showing locations where materials will be disturbed were not available at the time of the survey. The only credible estimate that could be proffered would be a remediation of LBP in the entire building.

The cost estimate to remove all LBP from the building, both interior and exterior, would be **$ #### .**

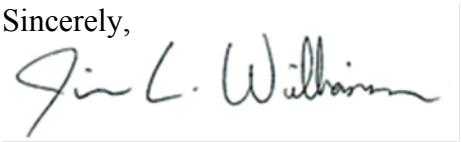
RECOMMENDATIONS AND SUMMARY

Under the EPA's RRP Rule, lead safe work practices must be used if any of the identified LBP components will be affected during renovation activities. LBP abatement may need to be conducted on the building materials and components identified above. The level of abatement depends on the scope of work that will be drafted for this renovation project. The presence and results of this LBP survey must be disclosed to any general contractors or sub-contractors that may be involved in the demolition or renovation work.

Suspect materials or components are sometimes located behind walls and above ceilings, and were considered inaccessible during the limited inspection conducted with this survey. It is important to note, therefore, that all materials that contain LBP or asbestos may not have been observed or sampled. *If additional suspect LBP or asbestos-containing materials are identified during renovation, all activities should stop until these materials are sampled. Work should not resume until the sample results are reported and, if required, removal satisfactorily completed.*

We appreciate the opportunity to assist with your lead based-paint and asbestos sampling needs. If you have any questions regarding this report, please do not hesitate to contact the undersigned at (720) 550-6307.

Sincerely,



Jim Williamson, PMP
Chief Operating Officer
Valhalla Engineering Group

Attachments

Appendix A: Lead Based-Paint Locations and Results Table
Appendix B: Asbestos Locations and Results Table
Appendix C: Asbestos Sampling Diagram/Map
Appendix D: Asbestos Laboratory Results and Chain of Custodies
Appendix E: Site Pictures

Lead-Based Paint Inspection- XRF Results

Denver VA Hospital- Building 4
1055 Clermont St.
Denver, CO 80220
S&R Project Number: 017186

Suvey Date: 8/29/17
Survey Inspector: Alex Green #17133
XRF Machine: Innov-X I-3000

DATE	READING	INTERIOR/EXTERIOR	ROOM TYPE	ROOM NAME	COMPONENT	SUBSTRATE	DIRECTION	PASS/ FAIL STANDARD	Pb	Pb +/-	CONDITION	NOTES
8/29/17	1	Standardization						PASS				Standardization
8/29/17	2	Interior	Hallway	C11	Door	Wood	S	Negative	0.01	0.02	Intact	
8/29/17	3	Interior	Hallway	C11	Door Frame	Wood	S	Positive	4.73	0.87	Intact	
8/29/17	4	Interior	Hallway	C11	Door Jamb	Wood	S	Positive	5	0.69	Intact	
8/29/17	5	Interior	Hallway	C11	Wall	Drywall	E	Negative	0	0	Intact	
8/29/17	6	Interior	Hallway	C11	Wall	Plaster	S	Negative	0.05	0.04	Intact	
8/29/17	7	Interior	Hallway	C11	Wall	Drywall	W	Negative	0	0	Intact	
8/29/17	8	Interior	Hallway	C11	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	9	Interior	Hallway	C12	Wall	Plaster	E	Negative	0	0	Intact	
8/29/17	10	Interior	Hallway	C12	Wall	Plaster	W	Negative	0	0	Intact	
8/29/17	11	Interior	Hallway	C12	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	12	Interior	Hallway	C12	Door Frame	Metal	N	Negative	0	0	Intact	
8/29/17	13	Interior	Hallway	C13	Door Frame	Drywall	E	Negative	0	0	Intact	
8/29/17	14	Interior	Hallway	C13	Door Frame	Drywall	N	Negative	0	0	Intact	
8/29/17	15	Interior	Hallway	C13	Door Frame	Drywall	S	Negative	0	0	Intact	
8/29/17	16	Interior	Hallway	C13	Door Frame	Drywall	W	Negative	0	0	Intact	
8/29/17	17	Interior	Office	101	Door Frame	Metal	W	Negative	0	0	Intact	
8/29/17	18	Interior	Office	101	Wall	Plaster	E	Negative	0.08	0.04	Intact	
8/29/17	19	Interior	Office	101	Wall	Plaster	N	Negative	0	0	Intact	
8/29/17	20	Interior	Office	101	Wall	Plaster	S	Negative	0.03	0.03	Intact	
8/29/17	21	Interior	Office	101	Wall	Drywall	W	Negative	0	0	Intact	
8/29/17	22	Interior	Office	101	Window Sill	Wood	S	Positive	3.77	0.7	Intact	
8/29/17	23	Interior	Office	101	Window Sill	Wood	E	Positive	2.62	0.68	Intact	
8/29/17	24	Interior	Closet	102	Door Frame	Metal	E	Negative	0	0	Intact	
8/29/17	25	Interior	Closet	102	Wall	Plaster	E	Negative	0	0	Intact	
8/29/17	26	Interior	Closet	102	Wall	Plaster	N	Negative	0.13	0.09	Intact	
8/29/17	27	Interior	Closet	102	Wall	Plaster	S	Negative	0	0	Intact	
8/29/17	28	Interior	Closet	102	Wall	Plaster	W	Negative	0	0	Intact	
8/29/17	29	Interior	Bathroom	103	Door Frame	Metal	W	Negative	0	0	Intact	
8/29/17	30	Interior	Bathroom	103	Wall	Plaster	E	Negative	0.01	0.02	Intact	
8/29/17	31	Interior	Bathroom	103	Wall	Plaster	N	Negative	0.02	0.02	Intact	
8/29/17	32	Interior	Bathroom	103	Wall	Drywall	S	Negative	0	0	Intact	
8/29/17	33	Interior	Bathroom	103	Wall	Drywall	W	Negative	0	0	Intact	
8/29/17	34	Interior	Bathroom	103	Wall	Glazed Tile	S	Positive	5	0.77	Intact	
8/29/17	35	Interior	Bathroom	103	Wall	Glazed Tile	S	Positive	5	0.58	Intact	
8/29/17	36	Interior	Bathroom	103	Wall	Glazed Tile	E	Positive	5	0.63	Intact	
8/29/17	37	Interior	Bathroom	103	Window Sill	Wood	E	Positive	1.93	0.36	Intact	
8/29/17	38	Interior	Office	104	Door Frame	Metal	E	Negative	0	0	Intact	
8/29/17	39	Interior	Office	104	Door Frame	Wood	W	Positive	5	1	Intact	
8/29/17	40	Interior	Office	104	Door Jamb	Wood	W	Positive	5	0.92	Intact	
8/29/17	41	Interior	Office	104	Door	Wood	W	Negative	0.03	0.03	Intact	
8/29/17	42	Interior	Office	104	Window Sill	Wood	W	Positive	3.62	0.76	Intact	
8/29/17	43	Interior	Office	104	Window Sill	Wood	W	Positive	2.12	0.54	Intact	
8/29/17	44	Interior	Office	104	Wall	Drywall	E	Negative	0	0	Intact	
8/29/17	45	Interior	Office	104	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	46	Interior	Office	104	Wall	Plaster	S	Negative	0.09	0.09	Intact	
8/29/17	47	Interior	Office	104	Wall	Plaster	W	Negative	0.07	0.06	Intact	

8/29/17	48	Interior	Storage	104 A	Door Frame	Metal	N	Negative	0	0	Intact	
8/29/17	49	Interior	Office	105	Door Frame	Metal	W	Positive	1.95	0.27	Intact	
8/29/17	50	Interior	Office	105	Window Sill	Wood	E	Positive	2.73	0.47	Intact	
8/29/17	51	Interior	Office	105	Window Sill	Metal	N	Negative	0	0	Intact	
8/29/17	52	Interior	Office	105	Wall	Plaster	E	Negative	0.04	0.03	Intact	
8/29/17	53	Interior	Office	105	Wall	Plaster	N	Negative	0.12	0.05	Intact	
8/29/17	54	Interior	Office	105	Wall	Plaster	S	Negative	0.01	0.02	Intact	
8/29/17	55	Interior	Office	105	Wall	Drywall	W	Negative	0	0	Intact	
8/29/17	56	Interior	Storage	106	Door Frame	Metal	W	Positive	1.68	0.31	Intact	
8/29/17	57	Interior	Hallway	C12	Wall	Glazed Tile	E	Positive	5	0.72	Intact	
8/29/17	58	Interior	Closet	107	Wall	Plaster	E	Negative	0.05	0.03	Intact	
8/29/17	59	Interior	Closet	107	Wall	Plaster	N	Negative	0.07	0.05	Intact	
8/29/17	60	Interior	Closet	107	Wall	Plaster	S	Positive	1	0.03	Intact	
8/29/17	61	Interior	Closet	107	Door Frame	Metal	E	Negative	0.66	0.14	Intact	
8/29/17	62	Interior	Storage	108	Door Frame	Metal	E	Positive	1.15	0.08	Intact	
8/29/17	63	Interior	Storage	108	Window Sill	Wood	W	Positive	4.19	0.78	Intact	
8/29/17	64	Interior	Storage	108	Wall	Plaster	E	Positive	1	0.03	Intact	
8/29/17	65	Interior	Storage	108	Wall	Plaster	N	Positive	1	0.05	Intact	
8/29/17	66	Interior	Storage	108	Wall	Plaster	S	Negative	0.38	0.08	Intact	
8/29/17	67	Interior	Storage	108	Wall	Plaster	W	Negative	0.08	0.05	Intact	
8/29/17	68	Interior	Office	109	Door Frame	Metal	W	Negative	0	0	Intact	
8/29/17	69	Interior	Office	109	Window Sill	Wood	E	Positive	5	2.35	Intact	
8/29/17	70	Interior	Office	109	Wall	Plaster	E	Negative	0	0	Intact	
8/29/17	71	Interior	Office	109	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	72	Interior	Office	109	Wall	Plaster	S	Negative	0.16	0.08	Intact	
8/29/17	73	Interior	Office	109	Wall	Drywall	W	Negative	0	0	Intact	
8/29/17	74	Interior	Office	109	Window Frame	Metal	S	Negative	0	0	Intact	
8/29/17	75	Interior	Office	110	Door Frame	Metal	E	Negative	0	0	Intact	
8/29/17	76	Interior	Office	110	Window Sill	Wood	W	Positive	5	1	Intact	
8/29/17	77	Interior	Office	110	Wall	Drywall	E	Negative	0	0	Intact	
8/29/17	78	Interior	Office	110	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	79	Interior	Office	110	Wall	Plaster	S	Negative	0.15	0.07	Intact	
8/29/17	80	Interior	Office	110	Wall	Plaster	W	Negative	0.47	0.14	Intact	
8/29/17	81	Interior	Office	111	Door Frame	Metal	S	Negative	0	0	Intact	
8/29/17	82	Interior	Office	111	Door	Metal	N	Negative	0	0	Intact	
8/29/17	83	Interior	Office	111	Door Jamb	Metal	N	Negative	0.01	0.02	Intact	
8/29/17	84	Interior	Office	111	Door Frame	Metal	N	Negative	0	0	Intact	
8/29/17	85	Interior	Office	111	Wall	Drywall	E	Negative	0	0	Intact	
8/29/17	86	Interior	Office	111	Wall	Plaster	N	Negative	0.1	0.06	Intact	
8/29/17	87	Interior	Office	111	Wall	Drywall	S	Negative	0	0	Intact	
8/29/17	88	Interior	Office	111	Wall	Plaster	W	Negative	0	0	Intact	
8/29/17	89	Interior	Office	111	Window Sill	Wood	W	Positive	5	1.12	Intact	
8/29/17	90	Interior	Office	111	Window Sill	Wood	N	Positive	5	1.11	Intact	
8/29/17	91	Interior	Office	111 A	Door Frame	Metal	W	Negative	0	0	Intact	
8/29/17	92	Interior	Office	111 A	Wall	Plaster	E	Negative	0	0	Intact	
8/29/17	93	Interior	Office	111 A	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	94	Interior	Office	111 A	Wall	Drywall	S	Negative	0	0	Intact	
8/29/17	95	Interior	Office	111 A	Wall	Drywall	W	Negative	0	0	Intact	
8/29/17	96	Interior	Office	111 B	Door Frame	Metal	W	Negative	0	0	Intact	
8/29/17	97	Interior	Office	111 B	Window Sill	Wood	E	Positive	2.36	0.55	Intact	
8/29/17	98	Interior	Office	111 B	Window Sill	Wood	N	Positive	4	0.73	Intact	
8/29/17	99	Interior	Office	111 B	Wall	Plaster	E	Negative	0.13	0.04	Intact	
8/29/17	100	Interior	Office	111 B	Wall	Plaster	N	Negative	0.34	0.09	Intact	
8/29/17	101	Interior	Office	111 B	Wall	Drywall	S	Negative	0	0	Intact	
8/29/17	102	Interior	Office	111 B	Wall	Drywall	W	Negative	0	0	Intact	
8/29/17	103	Interior	Stairway	1/2ST1	Wall	Plaster	E	Negative	0.11	0.09	Intact	
8/29/17	104	Interior	Stairway	1/2ST1	Wall	Plaster	N	Negative	0.16	0.1	Intact	
8/29/17	105	Interior	Stairway	1/2ST1	Wall	Plaster	S	Negative	0.07	0.04	Intact	
8/29/17	106	Interior	Stairway	1/2ST1	Wall	Plaster	W	Negative	0.1	0.08	Intact	
8/29/17	107	Interior	Stairway	1/2ST1	Ceiling	Plaster		Negative	0.05	0.04	Intact	
8/29/17	108	Interior	Stairway	1/2ST1	Window Sill	Wood	W	Positive	2.73	0.34	Intact	

8/29/17	109	Interior	Stairway	1/2ST1	Baseboards	Wood	N	Positive	5	2.63	Intact	
8/29/17	110	Interior	Stairway	1/2ST1	Baseboards	Wood	S	Positive	5	1.35	Intact	
8/29/17	111	Interior	Stairway	1/2ST1	Baseboards	Wood	W	Positive	5	0.94	Intact	
8/29/17	112	Interior	Stairway	1/2ST1	Handrail	Metal		Positive	2.06	0.35	Intact	
8/29/17	113	Interior	Stairway	1/2ST1	Door Frame	Metal	E	Positive	1.43	0.21	Intact	
8/29/17	114	Interior	Hallway	200	Wall	Plaster	E	Negative	0.19	0.12	Intact	
8/29/17	115	Interior	Hallway	200	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	116	Interior	Hallway	200	Wall	Plaster	S	Negative	0.27	0.1	Intact	
8/29/17	117	Interior	Hallway	200	Wall	Plaster	W	Negative	0.07	0.04	Intact	
8/29/17	118	Interior	Hallway	200	Ceiling	Plaster		Negative	0.09	0.06	Intact	
8/29/17	119	Interior	Hallway	200	Door Frame	Metal	N	Negative	0.05	0.04	Intact	
8/29/17	120	Interior	Hallway	200	Window Sill	Wood	S	Positive	1.64	0.3	Intact	
8/29/17	121	Interior	Hallway	C21	Wall	Plaster	E	Negative	0.02	0.03	Intact	
8/29/17	122	Interior	Hallway	C21	Wall	Plaster	N	Negative	0.01	0	Intact	
8/29/17	123	Interior	Hallway	C21	Wall	Drywall	S	Negative	0	0	Intact	
8/29/17	124	Interior	Hallway	C21	Wall	Drywall	W	Negative	0.21	0.15	Intact	
8/29/17	125	Interior	Hallway	C21	Ceiling	Plaster		Negative	0.1	0.06	Intact	
8/29/17	126	Interior	Hallway	C21	Door	Metal	N	Negative	0	0.01	Intact	
8/29/17	127	Interior	Hallway	C21	Door Frame	Metal	N	Negative	0	0	Intact	
8/29/17	128	Interior	Hallway	C21	Door Jamb	Metal	N	Negative	0	0	Intact	
8/29/17	129	Interior	Hallway	C21	Other	Metal		Negative	0	0	Intact	Sprinkler Line
8/29/17	130	Interior	Hallway	C22	Wall	Plaster	E	Negative	0	0	Intact	
8/29/17	131	Interior	Hallway	C22	Wall	Plaster	N	Negative	0.1	0.06	Intact	
8/29/17	132	Interior	Hallway	C22	Wall	Drywall	S	Negative	0	0	Intact	
8/29/17	133	Interior	Hallway	C22	Wall	Drywall	W	Negative	0	0	Intact	
8/29/17	134	Interior	Office	201	Door Frame	Metal	W	Negative	0.55	0.19	Intact	
8/29/17	135	Interior	Office	201	Window Sill	Wood	S	Positive	4.71	0.85	Intact	
8/29/17	136	Interior	Office	201	Window Sill	Wood	E	Positive	2.35	0.6	Intact	
8/29/17	137	Interior	Office	201	Wall	Plaster	E	Negative	0.02	0.04	Intact	
8/29/17	138	Interior	Office	201	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	139	Interior	Office	201	Wall	Plaster	S	Positive	1	0.03	Intact	
8/29/17	140	Interior	Office	201	Wall	Plaster	W	Negative	0.09	0.06	Intact	
8/29/17	141	Interior	Office	201	Ceiling	Plaster		Negative	0.08	0.05	Intact	
8/29/17	142	Interior	Office	202	Door Frame	Metal	N	Negative	0	0	Intact	
8/29/17	143	Interior	Office	202	Window Sill	Wood	S	Positive	1.49	0.24	Intact	
8/29/17	144	Interior	Office	202	Window Sill	Wood	W	Positive	2.06	0.34	Intact	
8/29/17	145	Interior	Office	202	Wall	Plaster	E	Positive	1	0.06	Intact	
8/29/17	146	Interior	Office	202	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	147	Interior	Office	202	Wall	Plaster	S	Negative	0.04	0.04	Intact	
8/29/17	148	Interior	Office	202	Wall	Plaster	W	Positive	1	0.04	Intact	
8/29/17	149	Interior	Closet	203	Door Frame	Metal	W	Negative	0	0	Intact	
8/29/17	150	Interior	Closet	203	Wall	Drywall	E	Negative	0	0	Intact	
8/29/17	151	Interior	Closet	203	Wall	Plaster	N	Negative	0.03	0.04	Intact	
8/29/17	152	Interior	Closet	203	Wall	Drywall	S	Negative	0	0	Intact	
8/29/17	153	Interior	Closet	203	Wall	Plaster	W	Negative	0.02	0.03	Intact	
8/29/17	154	Interior	Bathroom	204	Door Frame	Metal	S	Positive	2.24	0.35	Intact	
8/29/17	155	Interior	Bathroom	204	Wall	Plaster	E	Negative	0.14	0.07	Intact	
8/29/17	156	Interior	Bathroom	204	Wall	Plaster	N	Positive	1	0.05	Intact	
8/29/17	157	Interior	Bathroom	204	Wall	Plaster	S	Positive	1	0.05	Intact	
8/29/17	158	Interior	Bathroom	204	Wall	Plaster	W	Negative	0.2	0.06	Intact	
8/29/17	159	Interior	Bathroom	204	Ceiling	Plaster		Positive	1	0.06	Intact	
8/29/17	160	Interior	Bathroom	204	Wall	Glazed Tile	E	Positive	1	0.08	Intact	
8/29/17	161	Interior	Bathroom	204	Wall	Glazed Tile	N	Positive	1	0.05	Intact	
8/29/17	162	Interior	Bathroom	204	Wall	Glazed Tile	S	Positive	1	0.04	Intact	
8/29/17	163	Interior	Bathroom	204	Wall	Glazed Tile	W	Positive	1	0.02	Intact	
8/29/17	164	Interior	Closet	205	Wall	Plaster	E	Negative	0.16	0.07	Intact	
8/29/17	165	Interior	Closet	205	Wall	Plaster	N	Positive	1	0.04	Intact	
8/29/17	166	Interior	Closet	205	Wall	Plaster	S	Positive	1	0.03	Intact	
8/29/17	167	Interior	Closet	205	Wall	Plaster	W	Negative	0.1	0.05	Intact	
8/29/17	168	Interior	Closet	205	Ceiling	Plaster		Positive	1	0.04	Intact	
8/29/17	169	Interior	Closet	205	Door Frame	Metal	N	Positive	2.14	0.56	Intact	

8/29/17	170	Interior	Closet	206	Door Frame	Metal	W	Positive	2.16	0.29	Intact	
8/29/17	171	Interior	Closet	206	Wall	Plaster	E	Positive	1	0.03	Intact	
8/29/17	172	Interior	Closet	206	Wall	Plaster	N	Negative	0.19	0.1	Intact	
8/29/17	173	Interior	Closet	206	Wall	Plaster	S	Positive	1	0.03	Intact	
8/29/17	174	Interior	Closet	206	Wall	Plaster	W	Negative	0.08	0.03	Intact	
8/29/17	175	Interior	Closet	206	Wall	Plaster		Positive	1	0.04	Intact	
8/29/17	176	Interior	Office	207	Door Frame	Metal	W	Negative	0.86	0.08	Intact	
8/29/17	177	Interior	Office	207	Window Sill	Wood	E	Positive	2.2	0.57	Intact	
8/29/17	178	Interior	Office	207	Wall	Plaster	E	Negative	0.07	0.04	Intact	
8/29/17	179	Interior	Office	207	Wall	Plaster	N	Negative	0.19	0.11	Intact	
8/29/17	180	Interior	Office	207	Wall	Plaster	S	Negative	0	0	Intact	
8/29/17	181	Interior	Office	207	Wall	Plaster	W	Positive	1	0.07	Intact	
8/29/17	182	Interior	Closet	208	Door Frame	Metal	W	Positive	1.91	0.26	Intact	
8/29/17	183	Interior	Closet	208	Wall	Plaster	E	Positive	1	0.06	Intact	
8/29/17	184	Interior	Closet	208	Wall	Plaster	N	Negative	0.05	0.03	Intact	
8/29/17	185	Interior	Closet	208	Wall	Plaster	S	Positive	1	0.07	Intact	
8/29/17	186	Interior	Closet	208	Wall	Plaster	W	Positive	1	0.04	Intact	
8/29/17	187	Interior	Closet	208	Ceiling	Plaster		Positive	1	0.04	Intact	
8/29/17	188	Interior	Conference Room	209	Door Frame	Metal	E	Negative	0.23	0.05	Intact	
8/29/17	189	Interior	Conference Room	209	Door Frame	Metal	E	Positive	1.55	0.25	Intact	
8/29/17	190	Interior	Conference Room	209	Window Sill	Wood	W	Positive	1.4	0.19	Intact	
8/29/17	191	Interior	Conference Room	209	Window Sill	Wood	W	Positive	1.61	0.17	Intact	
8/29/17	192	Interior	Conference Room	209	Wall	Plaster	E	Negative	0.22	0.11	Intact	
8/29/17	193	Interior	Conference Room	209	Wall	Plaster	N	Positive	1	0.1	Intact	
8/29/17	194	Interior	Conference Room	209	Wall	Plaster	S	Negative	0.06	0.03	Intact	
8/29/17	195	Interior	Conference Room	209	Wall	Plaster	W	Positive	1	0.06	Intact	
8/29/17	196	Interior	Conference Room	209	Cabinet	Wood	N	Negative	0.03	0.03	Intact	
8/29/17	197	Interior	Closet	210	Door Frame	Metal	E	Negative	0.74	0.12	Intact	
8/29/17	198	Interior	Closet	210	Wall	Plaster	E	Negative	0.06	0.03	Intact	
8/29/17	199	Interior	Closet	210	Wall	Plaster	N	Positive	1	0.06	Intact	
8/29/17	200	Interior	Closet	210	Wall	Plaster	S	Positive	1	0.07	Intact	
8/29/17	201	Interior	Office	211	Door Frame	Metal	W	Positive	1.72	0.29	Intact	
8/29/17	202	Interior	Office	211	Window Sill	Wood	E	Negative	0.11	0.05	Intact	
8/29/17	203	Interior	Office	211	Door Frame	Metal	N	Positive	1.98	0.3	Intact	
8/29/17	204	Interior	Office	211	Wall	Plaster	E	Positive	1	0.09	Intact	
8/29/17	205	Interior	Office	211	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	206	Interior	Office	211	Wall	Plaster	S	Negative	0.16	0.08	Intact	
8/29/17	207	Interior	Office	211	Wall	Plaster	W	Positive	1	0.1	Intact	
8/29/17	208	Interior	Hallway	212	Wall	Plaster	E	Negative	0.01	0.02	Intact	
8/29/17	209	Interior	Hallway	212	Wall	Drywall	N	Negative	0	0	Intact	
8/29/17	210	Interior	Hallway	212	Wall	Drywall	S	Negative	0	0	Intact	
8/29/17	211	Interior	Hallway	212	Wall	Drywall	W	Negative	0	0	Intact	
8/29/17	212	Interior	Bathroom	212A	Door Frame	Metal	W	Negative	0	0	Intact	
8/29/17	213	Interior	Bathroom	212A	Wall	Drywall	E	Negative	0	0	Intact	
8/29/17	214	Interior	Bathroom	212A	Wall	Plaster	N	Negative	0	0	Intact	
8/29/17	215	Interior	Bathroom	212A	Wall	Plaster	S	Negative	0.12	0.07	Intact	
8/29/17	216	Interior	Bathroom	212A	Wall	Plaster	W	Negative	0.22	0.06	Intact	
8/29/17	217	Interior	Bathroom	212A	Ceiling	Plaster		Negative	0.13	0.04	Intact	
8/29/17	218	Interior	Bathroom	212A	Wall	Glazed Tile	S	Positive	1	0.05	Intact	
8/29/17	219	Interior	Bathroom	212A	Wall	Glazed Tile	W	Positive	1	0.09	Intact	
8/29/17	220	Interior	Bathroom	212A	Wall	Glazed Tile	N	Positive	1	0.03	Intact	
8/29/17	221	Standardization						PASS				Standardization
8/29/17	222	Standardization						PASS				Standardization
8/29/17	223	Interior	Office	213	Door Frame	Metal	W	Positive	1.29	0.14	Intact	
8/29/17	224	Interior	Office	213	Window Sill	Wood	E	Negative	0.24	0.05	Intact	
8/29/17	225	Interior	Office	213	Window Sill	Wood	N	Positive	2.45	0.52	Intact	
8/29/17	226	Interior	Office	213	Door Frame	Metal	S	Negative	0	0	Intact	
8/29/17	227	Interior	Office	213	Wall	Plaster	E	Negative	0.26	0.12	Intact	
8/29/17	228	Interior	Office	213	Wall	Plaster	N	Positive	1	0.09	Intact	
8/29/17	229	Interior	Office	213	Wall	Plaster	S	Negative	0.09	0.05	Intact	
8/29/17	230	Interior	Office	213	Wall	Plaster	W	Negative	0.02	0.04	Intact	

8/29/17	231	Interior	Office	214	Door Frame	Metal	E	Positive	1.48	0.22	Intact	
8/29/17	232	Interior	Office	214	Window Sill	Wood	W	Negative	0.99	0.11	Intact	
8/29/17	233	Interior	Office	214	Window Sill	Wood	N	Positive	1.58	0.24	Intact	
8/29/17	234	Interior	Office	214	Wall	Plaster		Negative	0.05	0.04	Intact	
8/29/17	235	Interior	Office	214	Wall	Plaster	E	Negative	0.04	0.02	Intact	
8/29/17	236	Interior	Office	214	Wall	Plaster	N	Negative	0.1	0.07	Intact	
8/29/17	237	Interior	Office	214	Wall	Plaster	S	Positive	1	0.04	Intact	
8/29/17	238	Interior	Office	214	Wall	Plaster	W	Positive	1	0.05	Intact	
8/29/17	239	Exterior	Entry	South Entry	Door	Wood	S	Positive	5	0.92	Intact	
8/29/17	240	Exterior	Entry	South Entry	Door Frame	Wood	S	Positive	5	1.67	Intact	
8/29/17	241	Exterior	Entry	South Entry	Soffit	Stucco		Negative	0	0	Intact	
8/29/17	242	Exterior	Entry	South Entry	Handrail	Metal		Negative	0.17	0.09	Intact	
8/29/17	243	Exterior	Entry	South Entry	Siding	Wood	E	Negative	0	0	Intact	Fire Controls
8/29/17	244	Exterior	Entry	South Entry	Siding	Wood	S	Negative	0	0	Intact	Fire Controls
8/29/17	245	Exterior	Entry	West Entry	Door	Wood	W	Positive	5	0.83	Intact	
8/29/17	246	Exterior	Entry	West Entry	Door Frame	Wood	W	Positive	5	1.52	Intact	
8/29/17	247	Exterior	Entry	West Entry	Soffit	Stucco		Negative	0	0	Intact	
8/29/17	248	Exterior	Entry	West Entry	Handrail	Metal		Positive	5	0.61	Intact	
8/29/17	249	Exterior	Entry	West Entry	Gutters	Metal		Negative	0.03	0.02	Intact	
8/29/17	250	Exterior	Entry	North Entry	Door	Metal	N	Negative	0	0	Intact	
8/29/17	251	Exterior	Entry	North Entry	Door Frame	Metal	N	Negative	0	0	Intact	
8/29/17	252	Exterior	Entry	North Entry	Handrail	Metal		Negative	0	0	Good	
8/29/17	253	Standardization						PASS				Standardization

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Asbestos Locations and Results Table

Denver VA- Building 4
1055 Clermont St.
Denver, CO 80220

Sample Number	Material	Location	Result	Homogeneous Area	Quantity (ft^2)	Type	Condition	Friable (Y/N)
4-1-PL-01	Tan Smooth Plaster	1st Floor – Office 111B – North Wall – 5' Up, 3' Left of Window	ND	1	7,500	A	NA	Y
4-1-PL-02	Tan Smooth Plaster	1st Floor - 111A – East Wall – 5' Up, 1' Left of Window	ND	1	7,500	A	NA	Y
4-1-PL-03	Tan Smooth Plaster	1st Floor - 110 – South Wall – 5' Up, 3' Left of Corner	ND	1	7,500	A	NA	Y
4-1-PL-04	Tan Smooth Plaster	1st Floor - 105 – East Wall – 5' Up, 2' Left of Window	ND	1	7,500	A	NA	Y
4-1-PL-05	Tan Smooth Plaster	1st Floor - 104 – West Wall – 5' Up, 6'' Right of Door	TRACE <0.25% Chrysotile	1	7,500	A	NA	Y
4-1-PL-06	Tan Smooth Plaster	1st Floor - 101 – South Wall – 5' Up, 1' Right of Window	ND	1	7,500	A	NA	Y
4-1-PL-07	Tan Smooth Plaster	1st Floor - 108 – South Wall – 5' Up, 4' Left of Window	ND	1	7,500	A	NA	Y
4-1-DW-08	Tan/White Smooth Textured Drywall	1st Floor – 111B – West Wall – 4' Up, 2' Right of Door	ND	2	6,000	A	NA	Y
4-1-DW-09	Tan/White Smooth Textured Drywall	1st Floor - 111 – South Wall – 5' Up, 1' Left of Window	ND	2	6,000	A	NA	Y

4-1-DW-10	Tan/White Smooth Textured Drywall	1st Floor – 109 – North West Corner – 4’ Up, 2’ Right of Door	ND	2	6,000	A	NA	Y
4-1-DW-11	Tan/White Smooth Textured Drywall	1st Floor – 104 – North West Wall – 4’ Up, 4’ Right of Door	TRACE 0.25% Chrysotile	2	6,000	A	NA	Y
4-1-DW-12	Tan/White Smooth Textured Drywall	1st Floor – 107 – North Wall – 4’ Up, 4’ Left of West Wall (Possible Patch)	ND	2	6,000	A	NA	Y
4-1-DW-13	Tan/White Smooth Textured Drywall	1st Floor – 104 – North Wall – 4’ Up, 7’ to Hallway	ND	2	6,000	A	NA	Y
4-1-DW-14	Tan/White Smooth Textured Drywall	1st Floor – 100 – North East Corner of Room – 4’ Up	ND	2	6,000	A	NA	Y
4-1-TSI-15	White Thermal System Insulation on Elbow	1st Floor – 101 – North East Corner – 8’ Up From Floor	79% Chrysotile	3	2	B	6	Y
4-1-MT-16	Ceiling – Mortar	1st Floor – 101 – West Wall – 8’ Up – 5’ From South West Corner	ND	4	6	C	NA	N
4-1-WC-17	Ceiling – Water Proofing	1st Floor – 111 - North Wall – 8’ Up, 6’ From North West Corner	ND	5	12	C	NA	N
4-1-CT-18	White 2’x4’ Large Hole Ceiling Tile	1st Floor – 111 - 10’ From Outside Door	ND	6	5,000	C	NA	Y
4-1-DW-19	Tan/White Smooth Textured Drywall	1st Floor – 103 - 1’ East of South West Corner, 5’ Up	ND	7	6,000	A	NA	Y
4-1-DW-20	Tan/White Smooth Textured Drywall	1st Floor 103A - 1’ North of South West Corner	ND	7	6,000	A	NA	Y
4-1-DW-21	Tan/White Smooth Textured Drywall	1st Floor 103A - 1’ North of South West Corner	ND	7	6,000	A	NA	Y
4-1-DW-22	Tan/White Smooth Textured Drywall	1st Floor - Hallway Above Drinking Fountain	ND	7	6,000	A	NA	Y

4-1-DW-23	Tan/White Smooth Textured Drywall	1st Floor – Hallway Wall of Room 109- 2' South of Door to 109	ND	7	6,000	A	NA	Y
4-1-DW-24	Tan/White Smooth Textured Drywall	1st Floor – Room 104A – 5' Up- Left of West Wall	ND	7	6,000	A	NA	Y
4-1-DW-25	Tan/White Smooth Textured Drywall	1st Floor – Room 104A – 4' Up, 1' South of East Door	ND	7	6,000	A	NA	Y
4-1-DW-26	Tan/White Smooth Textured Drywall	1st Floor – Room 104A – 4' Up, 1' of South Wall	ND	7	6,000	A	NA	Y
4-1-MISC-27	Caulking	1st Floor – Room 104A – 8' Ceiling – Left of South Wall	TRACE <0.25% Chrysotile	8	10	C	NA	N
4-1-CT-28	White 2'x4' Small Hole Ceiling Tile	1st Floor – Room 111 – Ceiling 4' East of West Window	ND	9	2,500	C	NA	Y
4-1-FL-29	Tan Smooth Plaster	1st Floor – Hallway Outside Room 105 – 4' Up at Door	ND	10	750	A	NA	Y
4-1-FL-30	Tan Smooth Plaster	1st Floor – Hallway Outside Room 103 – 5' Up at Door	ND	10	750	A	NA	Y
4-1-PL-31	Tan Smooth Plaster	1st Floor – Hallway Outside Room 101 – 5' Up at Door	ND	10	750	A	NA	Y
4-1-CB-32	Green Cove Base	1st Floor – Hallway at Base of Stairs – West Wall	ND	11	100	C	NA	N
4-1-CB-33	Brown Cove Base	1st Floor – Room 108 – South Wall	ND	12	100	C	NA	N
4-1-CB-34	Dark Brown Cove Base	1st Floor – Restroom 103 – East Wall	ND	13	100	C	NA	N
4-1-CB-35	Black Cove Base	1st Floor – Closet 102 – North Wall	ND	14	100	C	NA	N
4-1-FT-36	Grey Line 12"x12" Floor Tile	1st Floor – Room 103 – West-Floor	ND	15	250	C	NA	N

4-1-FT-37	Grey Line 12”x12” Floor Tile	1st Floor – Room 103 – West- Floor	ND	15	250	C	NA	N
4-1-FT-38	Grey Line 12”x12” Floor Tile	1st Floor – Room 103 – West- Floor	ND	15	250	C	NA	N
4-1-FT-39	Brown Line 12”x12” Floor Tile	1st Floor – Room 103 – East- Floor	ND	16	250	C	NA	N
4-1-FT-40	Brown Line 12”x12” Floor Tile	1st Floor – Room 103 – East- Floor	ND	16	250	C	NA	N
4-1-FT-41	Brown Line 12”x12” Floor Tile	1st Floor – Room 103 – East -Floor	ND	16	250	C	NA	N
4-1-FT-42	Yellow/Red Mastic	1st Floor – Room 102 – Hallway Outside- Floor	ND	17	2,500	C	NA	N
4-1-FT-43	White/Grey Line 12”x12” Floor Tile	1st Floor - Room 102 – Closet- Floor	ND	18	500	C	NA	N
4-1-FT-44	White/Grey Line 12”x12” Floor Tile	1st Floor – Room 102 – Closet- Floor	ND	18	500	C	NA	N
4-1-FT-45	White/Grey Line 12”x12” Floor Tile	1st Floor – Room 102 – Closet- Floor	ND	18	500	C	NA	N
4-1-FT-46	White/Grey Line 12”x12” Floor Tile	1st Floor – Room 108 - Floor	ND	18	500	C	NA	N
4-1-FT-47	White/Grey Line 12”x12” Floor Tile	1st Floor – Room 108 - Floor	ND	18	500	C	NA	N
4-1-FT-48	White/Grey Line 12”x12” Floor Tile	1st Floor – Room 108 - Floor	ND	18	500	C	NA	N
4-1-FTL-49	Red Leveler	1st Floor – Room 111 – Floor – At North Door	ND	18	250	C	NA	Y
4-1-PL-50	Tan Smooth Plaster	Stairwell – South Wall – 5’ Up, 8’ Right of Door	ND	19	750	A	NA	Y
4-1-PL-51	Tan Smooth Plaster	Stairwell – North Wall – 1’, Top of Stairs	ND	19	750	A	NA	Y
4-1-PL-52	Tan Smooth Plaster	Stairwell – South Wall – 3’ Up, 5’ Right of Hallway	ND	19	750	A	NA	Y
4-2-PL-53	Tan Smooth Plaster	2nd Floor – Office 213 – North Wall- 5’Up, 3’ Left of Window	ND	20	6,000	A	NA	Y

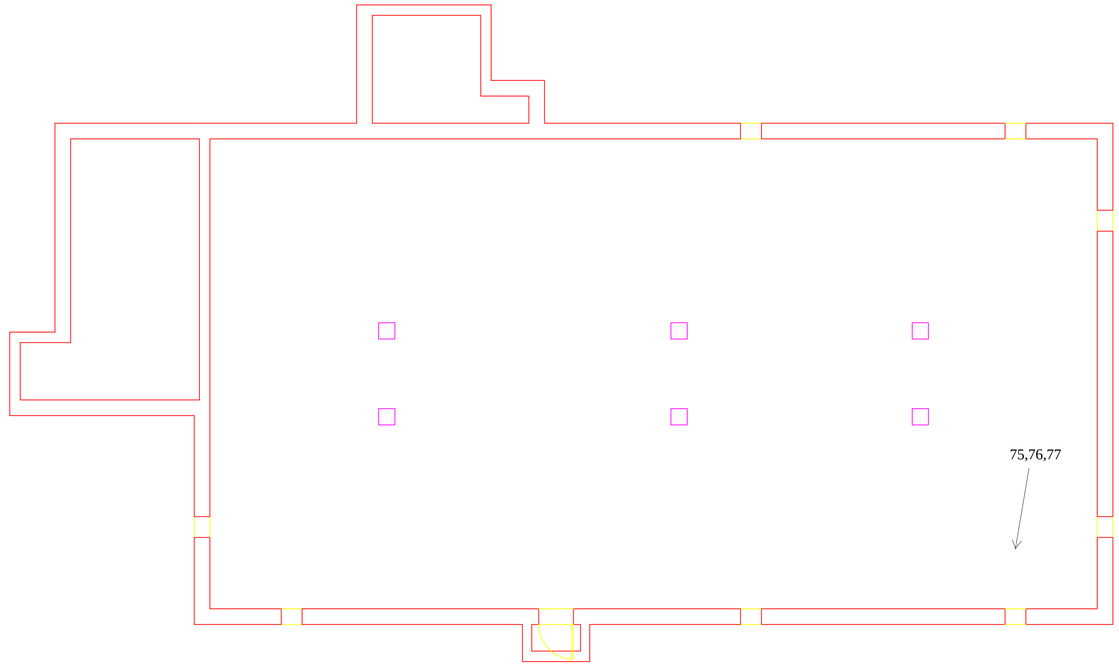
4-2-PL-54	Tan Smooth Plaster	2nd Floor – Room 214 – West Wall – 5’ Up, 1 Left of Window	ND	20	6,000	A	NA	Y
4-2-PL-55	Tan Smooth Plaster	2nd Floor – Room 211A – East Wall – 5’ Up, 3’ Right of Window	ND	20	6,000	A	NA	Y
4-2-PL-56	Tan Smooth Plaster	2nd Floor – Room 207A – West Wall – 5’ Up, 4’ Right of Door	ND	20	6,000	A	NA	Y
4-2-PL-57	Tan Smooth Plaster	2nd Floor – Room 201 – South Wall – 5’ Up, 2’ Right of Window	ND	20	6,000	A	NA	Y
4-2-PL-58	Tan Smooth Plaster	2nd Floor – Room 202 – South Wall – 5’ Up, 1’ Left of Window	ND	20	6,000	A	NA	Y
4-2-PL-59	Tan Smooth Plaster	2nd Floor – Room 202 – West Wall – 5’ Up, At Window	ND	20	6,000	A	NA	Y
4-2-DW-60	Tan Smooth Drywall	2nd Floor – Room 213 – South Wall – 5’ Up, 3’ Left of Door	ND	21	7,500	A	NA	Y
4-2-DW-61	Tan Smooth Drywall	2nd Floor – South Wall – 5’ Up, 3’ Left of Door	ND	21	7,500	A	NA	Y
4-2-DW-62	Tan Smooth Drywall	2nd Floor – Room 209 – East Wall, 5’ Up, At Door	ND	21	7,500	A	NA	Y
4-2-DW-63	Tan Smooth Drywall	2nd Floor – Room 207 – North Wall, 5’ Up, Dividing Wall	ND	21	7,500	A	NA	Y
4-2-DW-64	Tan Smooth Drywall	2nd Floor – Room 204 – North Wall, 5’ Up, 3’ Left of Corner	ND	21	7,500	A	NA	Y
4-2-PL-65	Tan Smooth Plaster	2nd Floor – Hallway Outside 214, 5’ Up, 2’ Right of Door	ND	21	7,500	A	NA	Y
4-2-PL-66	Tan Smooth Plaster	2nd Floor – Hallway Outside 214, 5’ Up, 1’ Left of Door	ND	21	7,500	A	NA	Y
4-1-PL-67	Tan Smooth Plaster	2nd Floor – Bathroom 212A, 5’ Up At West Window	ND	21	7,500	A	NA	Y

4-2-DW-68	Tan Smooth Drywall	2nd Floor – Hallway Outside 202 – South Wall, 5’ Up, 2’ Right of Door	ND	22	750	A	NA	Y
4-2-DW-69	Tan Smooth Drywall	2nd Floor – Room 212A – South Wall – 5’ Up, 3’ Right At door	ND	22	750	A	NA	Y
4-2-DW-70	Tan Smooth Drywall	2nd Floor – Closet 203 – South Wall- 5’ Up, 1’ Right of Door	ND	22	750	A	NA	Y
4-2-CT-71	White 2’x4’ Many Holes Ceiling Tile	2nd Floor – Room 207 – Ceiling at South Wall	ND	23	1,500	C	NA	Y
4-2-CT-72	White 2’x4’ Few Holes Ceiling Tile	2nd Floor – Room 209 – Ceiling at West Wall	ND	24	1,500	C	NA	Y
4-2-CB-73	Grey Cove Base	2nd Floor – Room 211 – North Wall At Floor	ND	25	50	C	NA	N
4-2-FL-74	Brown Flooring	2nd Floor – Room 208 – North Wall At Floor	ND	26	2,500	C	NA	N
4-C-TSI-75	White Bridging Thermal System Insulation	Crawlspace – Hot Water Supply – North East Corner of Crawlspace	ND	27	2	B	NA	Y
4-C-TSI-76	White Bridging Thermal System Insulation	Crawlspace – Hot Water Supply – North East Corner of Crawlspace	ND	27	2	B	NA	Y
4-C-TSI-77	White Bridging Thermal System Insulation	Crawlspace – Hot Water Supply – North East Corner of Crawlspace	ND	27	2	B	NA	Y
4-R-RFP-78	Black Roof Paper	Roof – Central Field	ND	28	2,500	C	NA	N
4-R-RFL-79	Grey Roof Flashing	Roof – Vent Flashing Central	ND	29	15	C	NA	N
4-1-STC-80	White Stucco	1st Floor – Exterior – South Entry - Soffit	ND	30	100	A	NA	Y
4-1-STC-81	White Stucco	1st Floor – Exterior – South Entry - Soffit	ND	30	100	A	NA	Y
4-1-STC-82	White Stucco	1st Floor – Exterior – South Entry - Soffit	ND	30	100	A	NA	Y

ND= None Detected

Type
A=Surfacing
B=Thermal System Insulation (TSI)
C=Miscellaneous Material

Condition	
1.	Damaged or significantly damaged TSI ACBM
2.	Damaged friable surfacing ACBM
3.	Significantly damaged friable surfacing ACBM
4.	Damaged or significantly damaged friable misc. ACBM
5.	ACBM with potential for damage
6.	ACBM with potential for significant damage
7.	Any remaining friable ACBM or friable suspected ACBM



BLDG #4 – PIPE BASEMENT

SCALE: 1/4" = 1'-0"

By	Revisions	Date

PLOTTING NOTES:

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

GENERAL NOTES:

1. SCALED DIMENSIONS & ARCHITECTURAL FEATURES MAY NOT BE CORRECT.
2. CONTRACTORS & A/E's ARE RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS WITHIN THE PROJECT AREA.

DEPARTMENT OF VETERANS AFFAIRS
MEDICAL CENTER
1055 Clermont Street
Denver, Colorado, 80220

Drawing Title: PIPE–BASEMENT FLOOR ARCHITECTURAL PLAN

Project Title: AS–BUILT

Date: 6/00

Project No.: N/A

Approved: Service Chief

Drawn: SKA

Building Number: 4

Title Block By: ska

DRAWING No: as–built

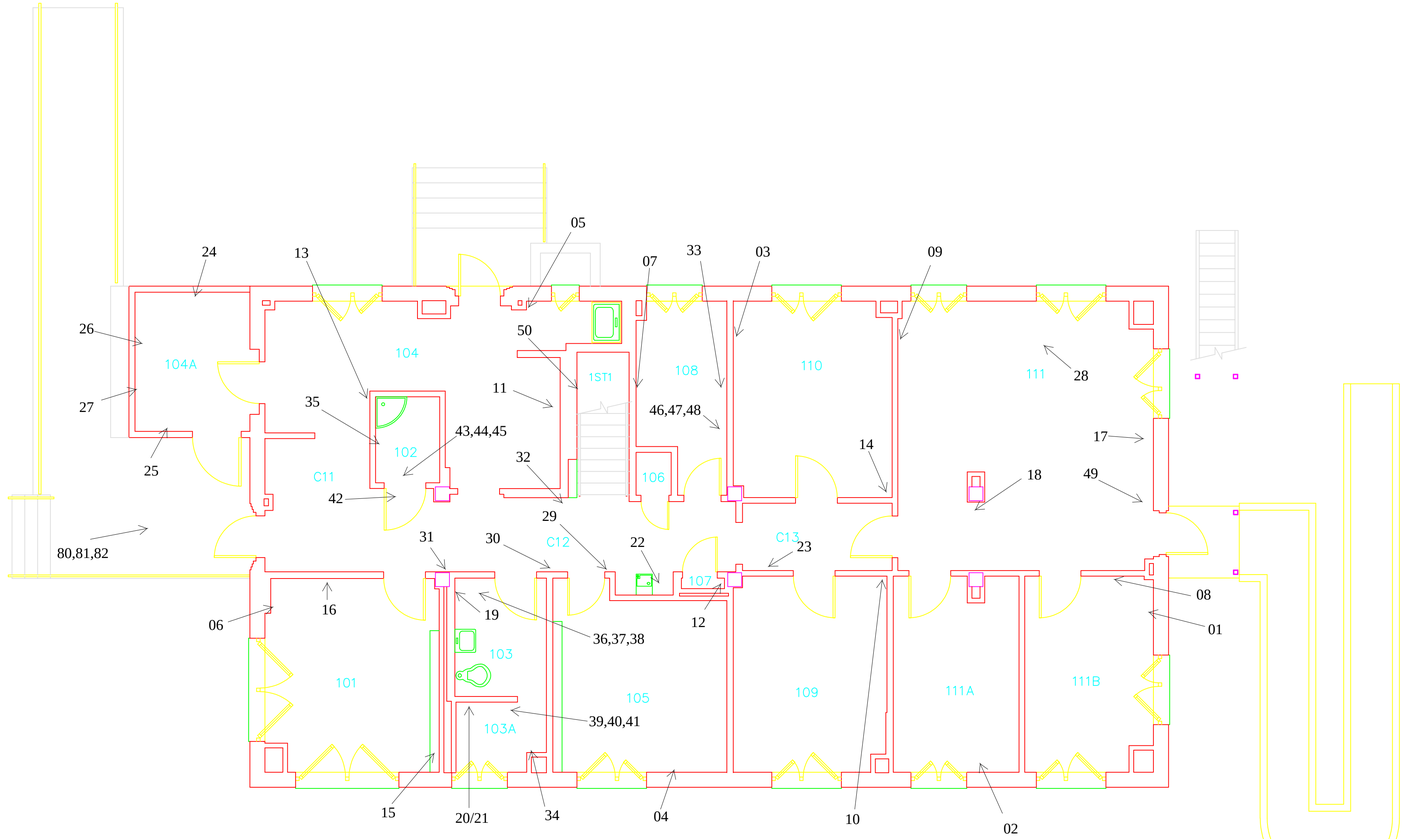
Dwg 1 Of 3

Approved: Section Chief

Checked: N/A

Wing: N/A

Department of Veterans Affairs



BLDG #4 – 1st FLOOR

SCALE: 1/4" = 1'– 0"

PLOTTING NOTES:

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

GENERAL NOTES:

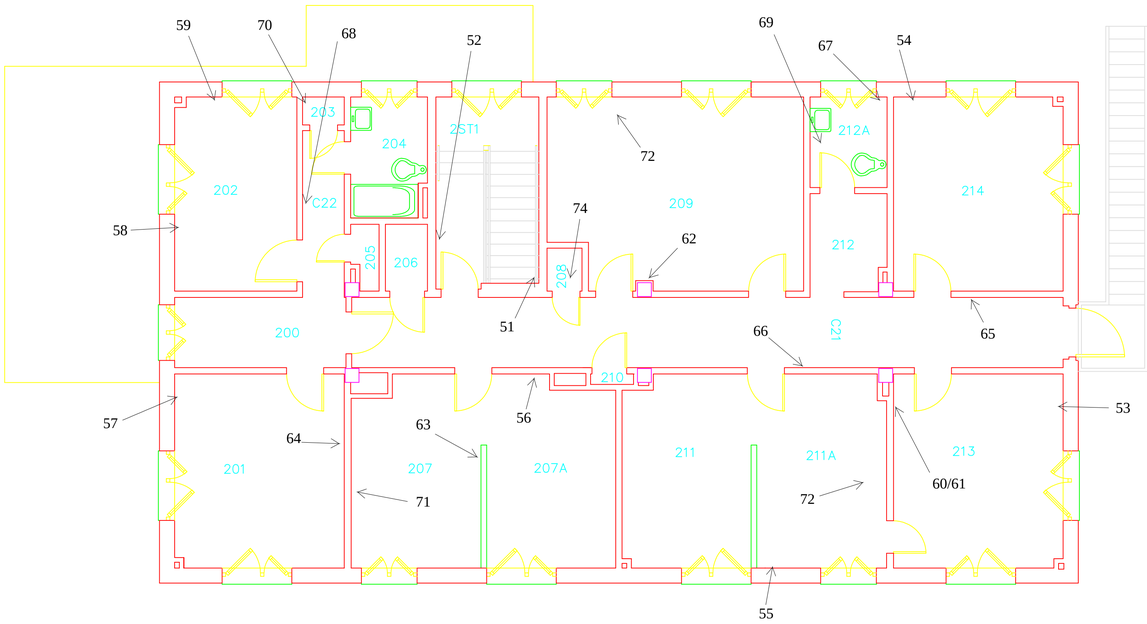
1. SCALED DIMENSIONS & ARCHITECTURAL FEATURES MAY NOT BE CORRECT.
2. CONTRACTORS & A/E's ARE RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS WITHIN THE PROJECT AREA.

By | Revisions | Date

DEPARTMENT OF VETERANS AFFAIRS
MEDICAL CENTER
1055 Clermont Street
Denver, Colorado, 80220

Drawing Title: 1st FLOOR ARCHITECTURAL PLAN
Project Title: AS–BUILT
Date: 6/00
Project No.: N/A
Approved: Service Chief
Drawn: SKA
Building Number: 4
Title Block By: ska
Approved: Section Chief
Checked: N/A
Wing: N/A
DRAWING No: as–built
Dwg 2 Of 3
Department of Veterans Affairs

78 and 79 are roof samples



BLDG #4 – 2nd FLOOR

SCALE: 1/4" = 1'-0"

By	Revisions	Date

PLOTTING NOTES:

1. FULL SIZE V.A. "E" SHEET (AS INDICATED)
2. HALF SIZE V.A. "D" SHEET (1/2 THE INDICATED SCALE)
3. LETTER SIZE: (NOT SCALE)

GENERAL NOTES:

1. SCALED DIMENSIONS & ARCHITECTURAL FEATURES MAY NOT BE CORRECT.
2. CONTRACTORS & A/E's ARE RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS WITHIN THE PROJECT AREA.

DEPARTMENT OF VETERANS AFFAIRS
MEDICAL CENTER
1055 Clermont Street
Denver, Colorado, 80220

Drawing Title: 2nd FLOOR ARCHITECTURAL PLAN		Project Title: AS-BUILT		Date: 6/00	Department of Veterans Affairs
Approved: Service Chief	Drawn: SKA	Building Number: 4	Title Block By: ska	Project No.: N/A	
Approved: Section Chief	Checked: N/A	Wing: N/A		DRAWING No: as-built Dwg 3 Of 3	

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-1-17
REPORTING DATE: 9-1-17
RECEIPT DATE: 8-29-17
CLIENT JOB NO.: TBD
PROJECT TITLE: DENVER VA - BLDG. 4
DCMSL PROJECT: SREC357

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-1	4-1-PL-01	8-28-17	A. WHITE TEXTURE	0.5%			ND		0.0	100.0	100.0
			B. WHITE CONCRETE PLASTER	5.0%			ND		0.0	100.0	100.0
			C. MULTICOLORED PAINT	35.0%			ND		0.0	100.0	100.0
			D. WHITE PLASTER	59.5%			ND		0.0	100.0	100.0
								ND			
-2	4-1-PL-02	8-28-17	A. WHITE CONCRETE PLASTER	0.5%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL MUD	10.0%			ND		0.0	100.0	100.0
			C. MULTICOLORED PAINT	35.0%			ND		0.0	100.0	100.0
			D. WHITE PLASTER	54.5%			ND		0.0	100.0	100.0
								ND			
-3	4-1-PL-03	8-28-17	A. WHITE CONCRETE PLASTER	6.0%			ND		0.0	100.0	100.0
			B. MULTICOLORED PAINT	40.0%			ND		0.0	100.0	100.0
			C. WHITE PLASTER	54.0%			ND		0.0	100.0	100.0
								ND			
-4	4-1-PL-04	8-28-17	A. WHITE CONCRETE PLASTER	10.0%			ND		0.0	100.0	100.0
			B. MULTICOLORED PAINT	35.0%			ND		0.0	100.0	100.0
			C. WHITE PLASTER	55.0%			ND		0.0	100.0	100.0
								ND			
-5	4-1-PL-05	8-28-17	A. WHITE CONCRETE PLASTER	3.0%			ND		0.0	100.0	100.0
			B. TAN PAINT	25.0%			ND		0.0	100.0	100.0
			C. WHITE DRYWALL MUD	30.0%	CHRYSOTILE	[TR-1]	1.0		0.0	99.0	100.0
			D. WHITE PLASTER	42.0%			ND		0.0	100.0	100.0
								0.3			

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-1-17
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RECEIPT DATE: 8-29-17
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PROJECT TITLE: DENVER VA - BLDG. 4
DCMSL PROJECT: SREC357

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-6	4-1-PL-06	8-28-17	A. YELLOW TEXTURE	0.5%			ND		0.0	100.0	100.0
			B. MULTICOLORED PAINT	20.0%			ND		0.0	100.0	100.0
			C. WHITE PLASTER	35.0%			ND		0.0	100.0	100.0
			D. TAN CONCRETE PLASTER	44.5%			ND		0.0	100.0	100.0
								ND			
-7	4-1-PL-07	8-28-17	A. MULTICOLORED PAINT	20.0%			ND		0.0	100.0	100.0
			B. WHITE PLASTER	37.0%			ND		0.0	100.0	100.0
			C. TAN CONCRETE PLASTER	43.0%			ND		0.0	100.0	100.0
								ND			
-8	4-1-DW-08	8-28-17	A. TAN/WHITE PAINT	3.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	6.0%			ND		100.0	0.0	100.0
			C. PINK DRYWALL	91.0%			ND		1.0	99.0	100.0
								ND			
-9	4-1-DW-09	8-28-17	A. BLUE PAINT	3.0%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL MUD	10.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	20.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	67.0%			ND		1.0	99.0	100.0
								ND			
-10	4-1-DW-10	8-28-17	A. MULTICOLORED PAINT	3.0%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL MUD	4.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	20.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	73.0%			ND		1.0	99.0	100.0
								ND			

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-1-17
REPORTING DATE: 9-1-17
RECEIPT DATE: 8-29-17
CLIENT JOB NO.: TBD
PROJECT TITLE: DENVER VA - BLDG. 4
DCMSL PROJECT: SREC357

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-11	4-1-DW-11	8-28-17	A. WHITE PAINT	2.0%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL MUD	4.0%	CHRYSOTILE	[TR-1]	0.5		0.0	99.5	100.0
			C. TAN FIBROUS	10.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	84.0%			ND		1.0	99.0	100.0
								<0.1			
-12	4-1-DW-12	8-28-17	A. TAN PAINT	3.0%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL MUD	4.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	7.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	86.0%			ND		1.0	99.0	100.0
								ND			
-13	4-1-DW-13	8-28-17	A. WHITE PAINT	7.0%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL MUD	15.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	20.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	58.0%			ND		1.0	99.0	100.0
								ND			
-14	4-1-DW-14	8-28-17	A. WHITE PAINT	5.0%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL MUD	7.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	20.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	68.0%			ND		1.0	99.0	100.0
								ND			
-15	4-1-TSI-15	8-28-17	A. WHITE PLASTER	10.0%	CHRYSOTILE AMOSITE	[1-5] [5-10]	7.0		0.0	93.0	100.0
			B. TAN FIBROUS WOVEN	20.0%			ND		100.0	0.0	100.0
			C. WHITE FIBROUS	70.0%	CHRYSOTILE	[75-85]	79.0		1.0	20.0	100.0
								56.0			

DCM SCIENCE LABORATORY, INC
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WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-1-17
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PROJECT TITLE: DENVER VA - BLDG. 4
DCMSL PROJECT: SREC357

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-16	4-1-MT-16	8-28-17	A. WHITE PLASTER	6.0%			ND		0.0	100.0	100.0
			B. WHITE CONCRETE PLASTER	94.0%			ND		0.0	100.0	100.0
								ND			
-17	4-1-WC-17	8-28-17	A. BLACK TAR	3.0%			ND		0.0	100.0	100.0
			B. TAN CONCRETE PLASTER	97.0%			ND		0.0	100.0	100.0
								ND			
-18	4-1-CT-18	8-28-17	A. WHITE PAINT	5.0%			ND		0.0	100.0	100.0
			B. TAN PERLITIC CEILING TILE	95.0%			ND		73.0	27.0	100.0
								ND			
-19	4-1-DW-19	8-28-17	A. TAN/WHITE PAINT	25.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	35.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	40.0%			ND		1.0	99.0	100.0
								ND			
-20	4-1-DW-20	8-28-17	A. TAN/WHITE PAINT	20.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	30.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	50.0%			ND		1.0	99.0	100.0
								ND			
-21	4-1-DW-21	8-28-17	A. TAN/WHITE PAINT	15.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	30.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	55.0%			ND		1.0	99.0	100.0
								ND			
-22	4-1-DW-22	8-28-17	A. WHITE TEXTURE	0.5%			ND		0.0	100.0	100.0
			B. TAN/WHITE PAINT	20.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	27.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	52.5%			ND		1.0	99.0	100.0
								ND			

DCM SCIENCE LABORATORY, INC
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S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-1-17
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DCMSL PROJECT: SREC357

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-23	4-1-DW-23	8-28-17	A. TAN/WHITE PAINT	25.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	32.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	43.0%			ND		1.0	99.0	100.0
								ND			
-24	4-1-DW-24	8-28-17	A. WHITE PAINT	15.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	20.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	65.0%			ND		1.0	99.0	100.0
								ND			
-25	4-1-DW-25	8-28-17	A. WHITE PAINT	7.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	20.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	73.0%			ND		1.0	99.0	100.0
								ND			
-26	4-1-DW-26	8-28-17	A. TAN FIBROUS	10.0%			ND		100.0	0.0	100.0
			B. WHITE DRYWALL	15.0%			ND		0.0	100.0	100.0
			C. WHITE PAINT	30.0%			ND		0.0	100.0	100.0
			D. WHITE DRYWALL MUD	45.0%			ND		0.0	100.0	100.0
								ND			
-27	4-1-MISC-27	8-28-17	A. WHITE PAINT	25.0%			ND		0.0	100.0	100.0
			B. WHITE FIBROUS	35.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL MUD	40.0%	CHRYSOTILE	[TR-1]	1.0		0.0	99.0	100.0
								0.4			
-28	4-1-CT-28	8-28-17	A. WHITE PAINT	5.0%			ND		0.0	100.0	100.0
			B. TAN PERLITIC CEILING TILE	95.0%			ND		72.0	28.0	100.0
								ND			

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S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

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PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-29	4-1-PL-29	8-28-17	A. WHTIE CONCRETE PLASTER	1.0%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL MUD	20.0%			ND		0.0	100.0	100.0
			C. WHITE PLASTER	25.0%			ND		0.0	100.0	100.0
			D. MULTICOLORED PAINT	54.0%			ND		0.0	100.0	100.0
								ND			
-30	4-1-PL-30	8-28-17	A. WHITE CONCRETE PLASTER	0.5%			ND		0.0	100.0	100.0
			B. WHITE TEXTURE	5.0%			ND		0.0	100.0	100.0
			C. MULTICOLORED PAINT	40.0%			ND		0.0	100.0	100.0
			D. WHITE PLASTER	54.5%			ND		0.0	100.0	100.0
								ND			
-31	4-1-PL-31	8-28-17	A. TAN PAINT	17.0%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL MUD	83.0%			ND		0.0	100.0	100.0
								ND			
-32	4-1-CB-32	8-28-17	A. WHITE DRYWALL MUD	0.5%			ND		0.0	100.0	100.0
			B. TAN MASTIC	2.0%			ND		0.0	100.0	100.0
			C. GREEN BASECOVE	97.5%			ND		0.0	100.0	100.0
								ND			
-33	4-1-CB-33	8-28-17	A. YELLOW MASTIC	0.5%			ND		0.0	100.0	100.0
			B. TAN BASECOVE	99.5%			ND		0.0	100.0	100.0
								ND			
-34	4-1-CB-34	8-28-17	A. BROWN BASECOVE	100.0%			ND		0.0	100.0	100.0
								ND			
-35	4-1-CB-35	8-28-17	A. BLACK BASECOVE	100.0%			ND		0.0	100.0	100.0
								ND			

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5801 LOGAN STREET, SUITE 200
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PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE %	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-36	4-1-FT-36	8-28-17	A. TAN/BROWN MASTIC	3.0%		ND		0.0	100.0	100.0
			B. GREY TILE	97.0%		ND		0.0	100.0	100.0
							ND			
-37	4-1-FT-37	8-28-17	A. TAN/BROWN MASTIC	0.5%		ND		0.0	100.0	100.0
			B. GREY TILE	99.5%		ND		0.0	100.0	100.0
							ND			
-38	4-1-FT-38	8-28-17	A. BROWN MASTIC	1.0%		ND		0.0	100.0	100.0
			B. YELLOW MASTIC	3.0%		ND		0.0	100.0	100.0
			C. GREY TILE	96.0%		ND		0.0	100.0	100.0
							ND			
-39	4-1-FT-39	8-28-17	A. BROWN MASTIC	1.0%		ND		0.0	100.0	100.0
			B. YELLOW MASTIC	2.0%		ND		0.0	100.0	100.0
			C. WHITE/GREY TILE	97.0%		ND		0.0	100.0	100.0
							ND			
-40	4-1-FT-40	8-28-17	A. BROWN MASTIC	1.0%		ND		0.0	100.0	100.0
			B. YELLOW MASTIC	3.0%		ND		0.0	100.0	100.0
			C. WHITE/GREY TILE	96.0%		ND		0.0	100.0	100.0
							ND			
-41	4-1-FT-41	8-28-17	A. BROWN MASTIC	2.0%		ND		0.0	100.0	100.0
			B. YELLOW MASTIC	3.0%		ND		0.0	100.0	100.0
			C. WHITE/GREY TILE	95.0%		ND		0.0	100.0	100.0
							ND			
-42	4-1-FTM-42	8-28-17	A. BROWN MASTIC	20.0%		ND		0.0	100.0	100.0
			B. YELLOW MASTIC	80.0%		ND		0.0	100.0	100.0
							ND			

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-1-17
REPORTING DATE: 9-1-17
RECEIPT DATE: 8-29-17
CLIENT JOB NO.: TBD
PROJECT TITLE: DENVER VA - BLDG. 4
DCMSL PROJECT: SREC357

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-43	4-1-FT-43	8-28-17	A. YELLOW MASTIC	1.0%			ND		0.0	100.0	100.0
			B. WHITE TILE	99.0%			ND		0.0	100.0	100.0
								ND			
-44	4-1-FT-44	8-28-17	A. YELLOW MASTIC	0.5%			ND		0.0	100.0	100.0
			B. WHITE/GREY TILE	99.5%			ND		0.0	100.0	100.0
								ND			
-45	4-1-FT-45	8-28-17	A. YELLOW MASTIC	1.0%			ND		0.0	100.0	100.0
			B. WHITE TILE	99.0%			ND		0.0	100.0	100.0
								ND			
-46	4-1-FT-46	8-28-17	A. YELLOW MASTIC	0.5%			ND		0.0	100.0	100.0
			B. WHITE TILE	99.5%			ND		0.0	100.0	100.0
								ND			
-47	4-1-FT-47	8-28-17	A. YELLOW MASTIC	2.0%			ND		0.0	100.0	100.0
			B. WHITE/GREY TILE	98.0%			ND		0.0	100.0	100.0
								ND			
-48	4-1-FT-48	8-28-17	A. YELLOW MASTIC	3.0%			ND		0.0	100.0	100.0
			B. WHITE/GREY TILE	97.0%			ND		0.0	100.0	100.0
								ND			
-49	4-1-FTL-49	8-28-17	A. GREY PLASTER	3.0%			ND		0.0	100.0	100.0
			B. CLEAR MASTIC	5.0%			ND		0.0	100.0	100.0
			C. RED CONCRETE PLASTER	92.0%			ND		0.0	100.0	100.0
								ND			

FOR CALCULATION PURPOSES, TRACE (TR) IS ASSUMED TO BE 0.5%. (I) - INSEPARABLE LAYERS ND - NONE DETECTED

DCM
S·C·I·E·N·C·E
LABORATORY, INC.

12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

DCM Project No.: SREC 357

Client Job No.: DENVER VA BLDG 4

Bulk Sample Analysis

BULK SAMPLE ANALYSIS PROCEDURES:

DCM Science Laboratory, Inc. analyzes bulk asbestos samples following procedures developed by the McCrone Research Institute and in compliance with guidelines established by the Environmental Protection Agency (EPA-600/M4-82-020, 1982 and EPA-600/R-93/116, July, 1993).

Bulk samples are prepared for analysis using a 10X-80X stereo microscope in a hepa filter hood which provides a contamination-free environment. The sample is then analyzed by polarized light microscopy (PLM) at 100X. When the sample consists of more than one layer, each layer is prepared and analyzed separately. Fiber and matrix materials are identified by the characterization of optical properties including color and pleochroism, form, cleavage, relief, birefringence, extinction, orientation, twinning, interference figure and other distinguishing features. Dispersion staining is also used to further aid in mineral identification. All percentages of asbestos, other fibers and non-fibrous constituents are calculated from the values obtained from analyses using the stereo and PLM microscopes. In-house and NIST standards as well as a chart prepared by R.D. Terry and G.V. Chilinger for "The Journal of Sedimentary Petrology", (Volume 24, pp. 229-234, 1955) provide a guide for estimating percentages. All samples are archived for six months unless other arrangements are made by the client.

ACCREDITATION:

DCMSL is accredited by NVLAP (since April 1, 1989). Our NVLAP Lab Code is 101258-0. DCMSL complies with NVLAP requirements unless otherwise noted.

ENDORSEMENT:

The results of this analysis must not be used by the client to claim endorsement by NVLAP or any agency of the U.S. Government.

The analysis was performed by :

John Silverman, Analyst

Jason Barnes, Analyst

NVLAP

NVLAP Lab Code 101258-0

Ron Schott, Analyst

9-1-17

Date

Ron Schott

Laboratory Director

DCM
S·C·I·E·N·C·E LABORATORY, INC.
12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

(303) 463-8270/(800) 852-7340
(303) 463-8267 – fax

Date/Time Received 8/29/17 3:05 DCMSL Group No. 2978 DCMSL Log No. SREC357

Field Data Sheet/Chain of Custody

Samples Submitted By:
Company: S&R Environmental
Address:

Job/P.O. # TBD

Project Title Denver VA - Bldg. 4

Contact: Alex Green
Phone:
Cell: 303-548-1175
Email: to Torie

Archive: Asbestos samples are archived for 6 months unless other arrangements are made. All other samples are archived for 3 months.

Turnaround Time Requested:
[X] Standard (3 to 5 Business Days)
[ ] 24 Hour Rush
[ ] 2 Hour Rush (Asbestos Only)
[ ] Other

Procedure Requested:

ASBESTOS
Bulk [X] Standard EPA
[ ] Progressive
[ ] Point Count
[ ] Other
Air [ ] NIOSH 7400
[ ] OSHA ID-160
[ ] Other

DUST & SILICA
[ ] Silica – Air NIOSH 7500
[ ] Silica – Bulk
[ ] Silica – Bulk Respirable
[ ] Dust – NIOSH 0500/0600

OTHER SERVICES
[ ] Optical Microscopy
[ ] X-ray Diffraction – Scan/Search
[ ] X-ray Diffraction – Clay/Bulk
[ ] SEM

Other Analysis:

	Client Sample No.:	Sample Date	Air Volume	Other Information
1	4-1-PL 01	8/28/17		1st Floor
2	- PL 02			
3	- PL 03			
4	- PL 04			
5	- PL 05			
6	- PL 06			
7	- PL 07			
8	- DW 08			
9	- DW 09			
10	- DW 10			

Relinquished By:	Date/Time	Received By:	Date/Time
	8/29/17	CMcFood	8-29-17 3:05

DCMSL Field Data Sheet/Chain of Custody – page 2 of 3

	Client Sample No.:	Sample Date	Air Volume	Other Information
11	4-1-[redacted] DW 11	8/28/17		1st Floor
12	- DW 12			
13	- DW 13			
14	- DW 14			
15	- TSI 15			
16	- MT 16			
17	- WC 17			
18	- CT 18			
19	- DW 19			
20	- DW 20			
21	- DW 21			
22	- DW 22			
23	- DW 23			
24	- DW 24			
25	- DW 25			
26	- DW 26			
27	- MISC 27			
28	- CT 28			
29	- PL 29			
30	- PL 30			
31	- PL 31			
32	- CB 32			
33	- CB 33			
34	- CB 34			
35	- CB 35			

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/29/17	cmefford	8-29-17 3:05

DCMSL Field Data Sheet/Chain of Custody – page 3 of 3

	Client Sample No.:	Sample Date	Air Volume	Other Information
36	4-1- FT 36	8/28/17		1st Floor
37	- FT 37			
38	- FT 38			
39	- FT 39			
40	- FT 40			
41	- FT 41			
42	- FTM 42			
43	- FT 43			
44	- FT 44			
45	- FT 45			
46	- FT 46			
47	- FT 47			
48	- FT 48			
49	- FTL 49			
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/29/17	[signature]	8 29 17 3:05

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-5-17
REPORTING DATE: 9-5-17
RECEIPT DATE: 8-30-17
CLIENT JOB NO.: TBD
PROJECT TITLE: DENVER VA - BLDG. 4
DCMSL PROJECT: SREC359

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-1	4-1-PL-50	8-29-17	A. WHITE CONCRETE PLASTER	25.0%			ND		0.0	100.0	100.0
			B. MULTICOLORED PAINT	35.0%			ND		0.0	100.0	100.0
			C. WHITE PERLITIC PLASTER	40.0%			ND		0.0	100.0	100.0
								ND			
-2	4-1-PL-51	8-29-17	A. MULTICOLORED PAINT	17.0%			ND		0.0	100.0	100.0
			B. WHITE PERLITIC PLASTER	30.0%			ND		0.0	100.0	100.0
			C. WHITE CONCRETE PLASTER	53.0%			ND		0.0	100.0	100.0
								ND			
-3	4-1-PL-52	8-29-17	A. MULTICOLORED PAINT	25.0%			ND		0.0	100.0	100.0
			B. WHITE CONCRETE PLASTER	35.0%			ND		0.0	100.0	100.0
			C. WHITE PERLITIC PLASTER	40.0%			ND		0.0	100.0	100.0
								ND			
-4	4-2-PL-53	8-29-17	A. WHITE CONCRETE PLASTER	25.0%			ND		0.0	100.0	100.0
			B. MULTICOLORED PAINT	35.0%			ND		0.0	100.0	100.0
			C. WHITE PERLITIC PLASTER	40.0%			ND		0.0	100.0	100.0
								ND			
-5	4-2-PL-54	8-29-17	A. MULTICOLORED PAINT	10.0%			ND		0.0	100.0	100.0
			B. WHITE PLASTER	35.0%			ND		0.0	100.0	100.0
			C. WHITE CONCRETE PLASTER	55.0%			ND		0.0	100.0	100.0
								ND			
-6	4-2-PL-55	8-29-17	A. MULTICOLORED PAINT	25.0%			ND		0.0	100.0	100.0
			B. WHITE CONCRETE PLASTER	30.0%			ND		0.0	100.0	100.0
			C. WHITE PLASTER	45.0%			ND		0.0	100.0	100.0
								ND			

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-5-17
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RECEIPT DATE: 8-30-17
CLIENT JOB NO.: TBD
PROJECT TITLE: DENVER VA - BLDG. 4
DCMSL PROJECT: SREC359

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-7	4-2-PL-56	8-29-17	A. MULTICOLORED PAINT	15.0%			ND		0.0	100.0	100.0
			B. WHITE CONCRETE PLASTER	40.0%			ND		0.0	100.0	100.0
			C. WHITE PLASTER	45.0%			ND		0.0	100.0	100.0
								ND			
-8	4-2-PL-57	8-29-17	A. MULTICOLORED PAINT	7.0%			ND		0.0	100.0	100.0
			B. WHITE PLASTER	30.0%			ND		0.0	100.0	100.0
			C. WHITE CONCRETE PLASTER	63.0%			ND		0.0	100.0	100.0
								ND			
-9	4-2-PL-58	8-29-17	A. WHITE CONCRETE PLASTER	20.0%			ND		0.0	100.0	100.0
			B. MULTICOLORED PAINT	24.0%			ND		0.0	100.0	100.0
			C. WHITE PERLITIC PLASTER	56.0%			ND		0.0	100.0	100.0
								ND			
-10	4-2-PL-59	8-29-17	A. WHITE CONCRETE PLASTER	10.0%			ND		0.0	100.0	100.0
			B. MULTICOLORED PAINT	30.0%			ND		0.0	100.0	100.0
			C. WHITE PERLITIC PLASTER	60.0%			ND		0.0	100.0	100.0
								ND			
-11	4-2-DW-60	8-29-17	A. WHITE TEXTURE	10.0%			ND		0.0	100.0	100.0
			B. TAN PAINT	15.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	35.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	40.0%			ND		1.0	99.0	100.0
								ND			
-12	4-2-DW-61	8-29-17	A. WHITE TEXTURE	4.0%			ND		0.0	100.0	100.0
			B. TAN PAINT	20.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	30.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	46.0%			ND		1.0	99.0	100.0
								ND			

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-5-17
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CLIENT JOB NO.: TBD
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DCMSL PROJECT: SREC359

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-13	4-2-DW-62	8-29-17	A. WHITE TEXTURE	18.0%			ND		0.0	100.0	100.0
			B. TAN PAINT	20.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	22.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL	40.0%			ND		1.0	99.0	100.0
								ND			
-14	4-2-DW-63	8-29-17	A. WHITE/TAN PAINT	20.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	35.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	45.0%			ND		1.0	99.0	100.0
								ND			
-15	4-2-DW-64	8-29-17	A. TAN/WHITE PAINT	20.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	24.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	56.0%			ND		1.0	99.0	100.0
								ND			
-16	4-2-PL-65	8-29-17	A. MULTICOLORED PAINT	1.0%			ND		0.0	100.0	100.0
			B. WHITE PLASTER	35.0%			ND		0.0	100.0	100.0
			C. WHITE CONCRETE PLASTER	64.0%			ND		0.0	100.0	100.0
								ND			
-17	4-2-PL-66	8-29-17	A. WHITE CONCRETE PLASTER	5.0%			ND		0.0	100.0	100.0
			B. MULTICOLORED PAINT	30.0%			ND		0.0	100.0	100.0
			C. WHITE PLASTER	65.0%			ND		0.0	100.0	100.0
								ND			
-18	4-2-PL-67	8-29-17	A. WHITE CONCRETE PLASTER	30.0%			ND		0.0	100.0	100.0
			B. MULTICOLORED PAINT	32.0%			ND		0.0	100.0	100.0
			C. WHITE PLASTER	38.0%			ND		0.0	100.0	100.0
								ND			

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-5-17
REPORTING DATE: 9-5-17
RECEIPT DATE: 8-30-17
CLIENT JOB NO.: TBD
PROJECT TITLE: DENVER VA - BLDG. 4
DCMSL PROJECT: SREC359

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-19	4-2-DW-68	8-29-17	A. TAN/WHITE PAINT	15.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	20.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	65.0%			ND		1.0	99.0	100.0
								ND			
-20	4-2-DW-69	8-29-17	A. TAN PAINT	10.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	15.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	30.0%			ND		1.0	99.0	100.0
			D. WHITE TEXTURE	45.0%			ND		0.0	100.0	100.0
								ND			
-21	4-2-DW-70	8-29-17	A. WHITE PAINT	6.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS	20.0%			ND		100.0	0.0	100.0
			C. WHITE DRYWALL	74.0%			ND		1.0	99.0	100.0
								ND			
-22	4-2-CT-71	8-29-17	A. WHITE PAINT	4.0%			ND		0.0	100.0	100.0
			B. TAN PERLITIC CEILING TILE	96.0%			ND		74.0	26.0	100.0
								ND			
-23	4-2-CT-72	8-29-17	A. WHITE PAINT	4.0%			ND		0.0	100.0	100.0
			B. TAN PERLITIC CEILING TILE	96.0%			ND		72.0	28.0	100.0
								ND			
-24	4-2-CB-73	8-29-17	A. WHITE DRYWALL MUD	0.5%			ND		0.0	100.0	100.0
			B. WHITE PAINT	1.0%			ND		0.0	100.0	100.0
			C. YELLOW MASTIC	3.0%			ND		0.0	100.0	100.0
			D. TAN BASECOVE	95.5%			ND		0.0	100.0	100.0
								ND			

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-5-17
REPORTING DATE: 9-5-17
RECEIPT DATE: 8-30-17
CLIENT JOB NO.: TBD
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DCMSL PROJECT: SREC359

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-25	4-2-FL-74	8-29-17	A. BROWN MASTIC	3.0%			ND		0.0	100.0	100.0
			B. TAN FIBROUS WOVEN	10.0%			ND		100.0	0.0	100.0
			C. BROWN RESINOUS TILE	87.0%			ND		25.0	75.0	100.0
								ND			
-26	4-C-TSI-75	8-30-17	A. WHITE RESIN	40.0%			ND		3.0	97.0	100.0
			B. YELLOW FIBROUS	60.0%			ND		100.0	0.0	100.0
								ND			
-27	4-C-TSI-76	8-30-17	A. BROWN RESIN	7.0%			ND		10.0	90.0	100.0
			B. YELLOW FIBROUS	20.0%			ND		100.0	0.0	100.0
			C. WHITE RESIN	73.0%			ND		3.0	97.0	100.0
								ND			
-28	4-C-TSI-77	8-30-17	A. WHITE RESIN	45.0%			ND		4.0	96.0	100.0
			B. YELLOW FIBROUS	55.0%			ND		100.0	0.0	100.0
								ND			
-29	4-R-RFP-78	8-30-17	A. WHITE FOAM	40.0%			ND		0.0	100.0	100.0
			B. GREY FIBROUS	60.0%			ND		99.0	1.0	100.0
								ND			
-30	4-R-RFL-79	8-30-17	A. GREY RESIN	100.0%			ND		0.0	100.0	100.0
								ND			
-31	4-1-STC-80	8-30-17	A. WHITE PAINT	20.0%			ND		0.0	100.0	100.0
			B. GREY CONCRETE	80.0%			ND		0.0	100.0	100.0
								ND			
-32	4-1-STC-81	8-30-17	A. WHITE PAINT	46.0%			ND		0.0	100.0	100.0
			B. GREY CONCRETE	54.0%			ND		0.0	100.0	100.0
								ND			

DCM SCIENCE LABORATORY, INC
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE: 9-5-17
REPORTING DATE: 9-5-17
RECEIPT DATE: 8-30-17
CLIENT JOB NO.: TBD
PROJECT TITLE: DENVER VA - BLDG. 4
DCMSL PROJECT: SREC359

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-33	4-1-STC-82	8-30-17	A. GREY CONCRETE	1.0%			ND		0.0	100.0	100.0
			B. WHITE PAINT	99.0%			ND		0.0	100.0	100.0
								ND			

FOR CALCULATION PURPOSES, TRACE (TR) IS ASSUMED TO BE 0.5%.

(I) INSEPARABLE LAYERS ND - NONE DETECTED

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12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

DCM Project No.: SREC 359

Client Job No.: DENVER VA

Bulk Sample Analysis

BULK SAMPLE ANALYSIS PROCEDURES:

DCM Science Laboratory, Inc. analyzes bulk asbestos samples following procedures developed by the McCrone Research Institute and in compliance with guidelines established by the Environmental Protection Agency (EPA-600/M4-82-020, 1982 and EPA-600/R-93/116, July, 1993).

Bulk samples are prepared for analysis using a 10X-80X stereo microscope in a hepa filter hood which provides a contamination-free environment. The sample is then analyzed by polarized light microscopy (PLM) at 100X. When the sample consists of more than one layer, each layer is prepared and analyzed separately. Fiber and matrix materials are identified by the characterization of optical properties including color and pleochroism, form, cleavage, relief, birefringence, extinction, orientation, twinning, interference figure and other distinguishing features. Dispersion staining is also used to further aid in mineral identification. All percentages of asbestos, other fibers and non-fibrous constituents are calculated from the values obtained from analyses using the stereo and PLM microscopes. In-house and NIST standards as well as a chart prepared by R.D. Terry and G.V. Chilinger for "The Journal of Sedimentary Petrology", (Volume 24, pp. 229-234, 1955) provide a guide for estimating percentages. All samples are archived for six months unless other arrangements are made by the client.

ACCREDITATION:

DCMSL is accredited by NVLAP (since April 1, 1989). Our NVLAP Lab Code is 101258-0. DCMSL complies with NVLAP requirements unless otherwise noted.

ENDORSEMENT:

The results of this analysis must not be used by the client to claim endorsement by NVLAP or any agency of the U.S. Government.

The analysis was performed by :

John Silverman, Analyst

Jason Barnes, Analyst

NVLAP Lab Code 101258-0

Ron Schott, Analyst

9-5-17
Date

Ron Schott
Laboratory Director

DCM SCIENCE LABORATORY, INC.
12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

(303) 463-8270/(800) 852-7340
(303) 463-8267 – fax

Date/Time Received 8/30/17 2:09 DCMSL Group No. 2990 DCMSL Log No. SREC359

Field Data Sheet/Chain of Custody

Samples Submitted By:
Company: SgR Environmental
Address:

Job/P.O. # TBD

Project Title Denver VA - Bldg. 4

Contact: Alex Green
Phone: 303-548-1175
Cell:
Email: atorle

Archive: Asbestos samples are archived for 6 months unless other arrangements are made. All other samples are archived for 3 months.

Turnaround Time Requested:
[X] Standard (3 to 5 Business Days)
[ ] 24 Hour Rush
[ ] 2 Hour Rush (Asbestos Only)
[ ] Other

Procedure Requested:

ASBESTOS
Bulk [X] Standard EPA
[ ] Progressive
[ ] Point Count
[ ] Other
Air [ ] NIOSH 7400
[ ] OSHA ID-160
[ ] Other

DUST & SILICA
[ ] Silica – Air NIOSH 7500
[ ] Silica – Bulk
[ ] Silica – Bulk Respirable
[ ] Dust – NIOSH 0500/0600

OTHER SERVICES
[ ] Optical Microscopy
[ ] X-ray Diffraction – Scan/Search
[ ] X-ray Diffraction – Clay/Bulk
[ ] SEM

Other Analysis:

	Client Sample No.:	Sample Date	Air Volume	Other Information
1	4-1-PL 50	8/29/17		1st Floor
2	PL 51			
3	PL 52			
4	4-2-PL 53			2nd Floor
5	PL 54			
6	PL 55			
7	PL 56			
8	PL 57			
9	PL 58			
10	PL 59			

Relinquished By: [signature] Date/Time 8/30/17

Received By: N Downey Date/Time 8/30/17 2:09

DCMSL Field Data Sheet/Chain of Custody – page 2 of 3

	Client Sample No.:	Sample Date	Air Volume	Other Information
11	4-2-DW 60	8/29		2nd Floor
12	DW 61			
13	DW 62			
14	DW 63			
15	DW 64			
16	PL 65			
17	PL 66			
18	PL 67			
19	DW 68			
20	DW 69			
21	DW 70			
22	CT 71			
23	CT 72			
24	CB 73			
25	FL 74			
26	4-C-TS1 75	8/30		Crawlspace
27	4-C-TS1 76			
28	4-C-TS1 77			
29	4-R-RFP 78			Roof
30	4-R-RFL 79			
31	4-1-STC 80			1st Floor
32	4-1-STC 81			
33	4-1-STC 82			
34				
35				

Relinquished By:	Date/Time	Received By:	Date/Time
	8/30/17	D Lowery	8/30/17 2:09

DCM SCIENCE LABORATORY, INC.
12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS ANALYSIS - POINT COUNT METHOD

CLIENT:
S&R ENVIRONMENTAL CONSULTING
5801 LOGAN STREET, SUITE 200
DENVER, CO 80216

ANALYSIS DATE:	9-5-17
REPORTING DATE:	9-7-17
REQUEST DATE:	9-1-17
CLIENT JOB NO.:	TBD
PROJECT TITLE:	DENVER VA - BLDG 4
DCMSL PROJECT:	SREC362
CROSS REFERENCE:	SREC357

PERCENTAGE COMPOSITION BY AREA/VOLUME

DCM LAB NO.:	-1	-2	-3
SAMPLE DATE:	8-28-17	8-28-17	8-28-17
% OF TOTAL SAMPLE:	30.0%	4.0%	40.0%
CLIENT NO.:	4-1-PL-05 PART C	4-1-DW-11 PART B	4-1-MISC-27 PART C
ASBESTIFORM MINERAL FIBERS:			
CHRYSOTILE	<0.25%	0.25%	<0.25%
AMOSITE	ND	ND	ND
CROCIDOLITE	ND	ND	ND
TREMOLITE-ACTINOLITE	ND	ND	ND
ANTHOPHYLLITE	ND	ND	ND
TOTAL ASBESTOS COUNTED	<0.25%	0.25%	<0.25%
TOTAL ASBESTOS IN LAYER	<0.25%	0.25%	<0.25%
TOTAL ASBESTOS IN SAMPLE	<0.25%	0.01%	<0.25%

NOTES: SAMPLES NO. 1, 2 AND 3 ARE WHITE DRYWALL MUD.

ND - NONE DETECTED

DEFINITIONS

TOTAL ASBESTOS COUNTED = THE AMOUNT OF ASBESTOS PRESENT IN THE SAMPLE EXPRESSED AS A PERCENT.

TOTAL ASBESTOS IN LAYER = THE PERCENT OF SAMPLE REMAINING TIMES ASBESTOS COUNTED EXPRESSED AS A PERCENT.

TOTAL ASBESTOS IN SAMPLE = THE PERCENT OF TOTAL SAMPLE (FROM PLM/SM ANALYSIS) TIMES THE TOTAL ASBESTOS IN LAYER (IF NO ASBESTOS IN OTHER LAYERS).

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12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

DCM Project No.: SREC 362

Client Job No.: DENVER VA

Quantitative Bulk Sample Analysis (Point Count)

QUANTITATIVE BULK SAMPLE ANALYSIS PROCEDURES:

DCM Science Laboratory, Inc. analyzes bulk samples in accordance with the National Emission Standard for Hazardous Air Pollutants (NESHAP) for asbestos (Federal Register, Vol. 55, No. 224, pp. 48406-48433, 11/20/90). The analytical procedures followed are described in "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", (USEPA 600/M4-83-020, 1982), with minor modifications recommended by the Atmospheric Research and Exposure Assessment Laboratory, USEPA, Research Triangle Park, N.C.

Samples analyzed by the point count method are milled to homogenize the sample, prepared on microscope slides and point counted using polarized light microscopy (PLM) in conjunction with a point counting stage and counter. One hundred counts are performed on four separate preparations of each sample for a total of 400 points.. If asbestos is identified but not counted during the point counting procedure, total asbestos is reported as zero and presence is noted on the report. Other preparation procedures including ashing and acid washing may be performed with client permission to improve accuracy in determining asbestos concentration. All samples are archived for six months unless other arrangements are made by the client.

ACCREDITATION:

DCMSL is accredited by NVLAP (since April 1, 1989). DCMSL complies with NVLAP requirements unless otherwise noted.

ENDORSEMENT:

The results of this analysis must not be used by the client to claim endorsement by NVLAP or any agency of the U.S. Government.

This test report relates only to the items tested. This report may not be reproduced except in full, without the written approval of the laboratory. The analysis was performed by :

John Silverman, Analyst

Ron Schott, Analyst

Ron Schott
Laboratory Director

9-5-17
Date

NVLAP®
NVLAP Code 101258

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Denver, CO 80216
(303) 297-1645 Phone
(303) 297-1646 Fax
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Site Pictures

Asbestos Containing TSI- Sample 15

Non- ACM Insulation- Crawlspace

Non-ACM Flooring- 2nd Floor- Throughout