



B7

**ASBESTOS-CONTAINING MATERIALS SURVEY
VETERANS AFFAIRS MEDICAL CENTER
4150 CLEMENT STREET
BUILDING 007
SAN FRANCISCO, CALIFORNIA**

Submitted to:

Floyd Devenbeck, PE
Engineer
Veterans Affairs Medical Center
4150 Clement Street
San Francisco, California 94121

Prepared By:

A handwritten signature in blue ink, appearing to read "M.S. Benefield".

Michael S. Benefield, PE, CAC #06-3938
Senior Project Manager

Reviewed By:

A handwritten signature in black ink, appearing to read "Dario A. Oakley".

Dario A. Oakley, CHMM, REA
Asbestos and Lead Program Manager

IHI Project No. 09B-2173

May 10, 2010

**Asbestos-Containing Materials Survey
Veterans Affairs Medical Center
4150 Clement Street
Building 007
San Francisco, California**

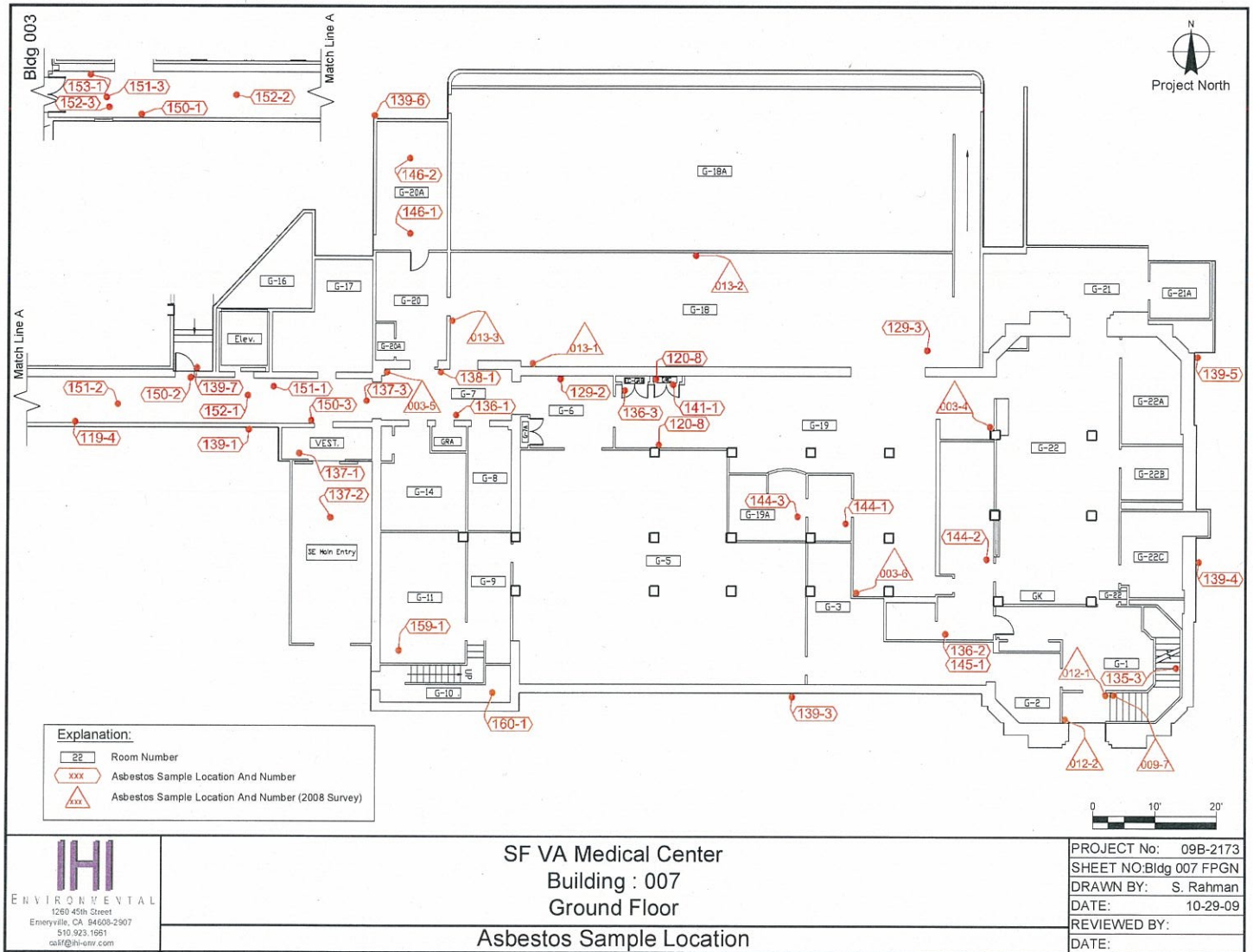
Executive Summary

An asbestos-containing materials survey was conducted by IHI Environmental (IHI), of Emeryville, California, of the interior and exterior of Building 007 at the Department of Veterans Affairs Medical Center (VAMC) in San Francisco, California. The survey was conducted in response to "Contract Number GS-10F-0446R," dated June 30, 2009, and under the terms and conditions of the "Revised Scope of Work Project 662-09-007 Asbestos Survey and Evaluation," dated April 30, 2009. At the direction of the VAMC, the survey did not include the assessment or sampling of roofing system materials, laboratory countertops, or materials associated with fume hoods. The survey was conducted for use in ongoing operations and maintenance, and for planning potential future renovations. The field survey of this building was conducted on October 1 through October 7, 2009 by State-certified personnel from IHI.

The following general types and estimated quantities of asbestos-containing materials were identified in Building 007.

Ceiling Tile, Laid-In	1,252 Sq. Ft.
Window Glazing Putty	350 Lin. Ft.
Stucco	17,900 Sq. Ft.
Terrazzo Baseboards*	390 Lin. Ft.
Ceramic Floor Tile Adhesive and Grout*	1,307 Sq. Ft.
Ceramic Wall Tile Adhesive and Grout*	2,560 Sq. Ft.
Carpet Adhesive	2,350 Sq. Ft.
Terrazzo Flooring*	560 Sq. Ft.
Mirror Adhesive*	50 Sq. Ft.
Sink Undercoating	2 Units
Window Frame Caulking	368 Lin. Ft.

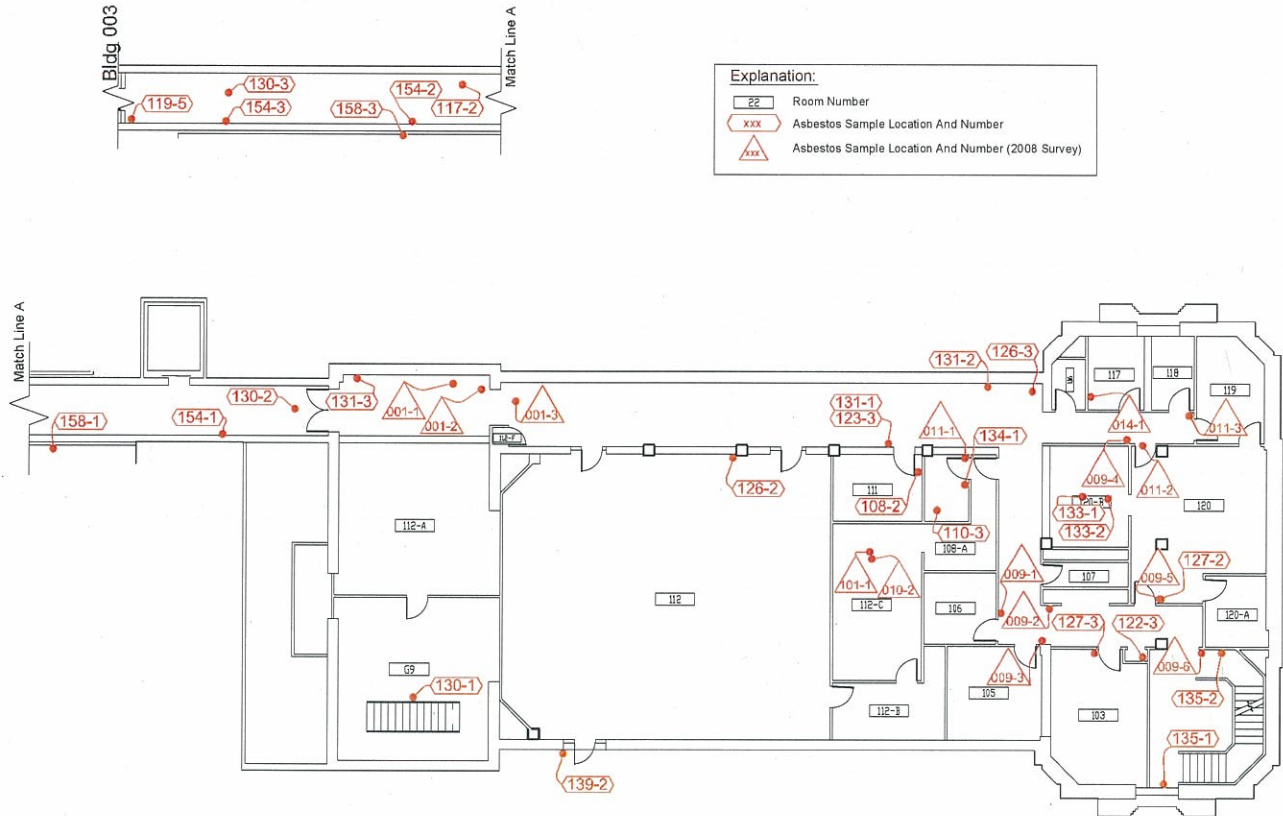
139-1, 3, 4, 5, 6



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139-2
158-1



Explanation:	
22	Room Number
XXX	Asbestos Sample Location And Number
XXX	Asbestos Sample Location And Number (2008 Survey)

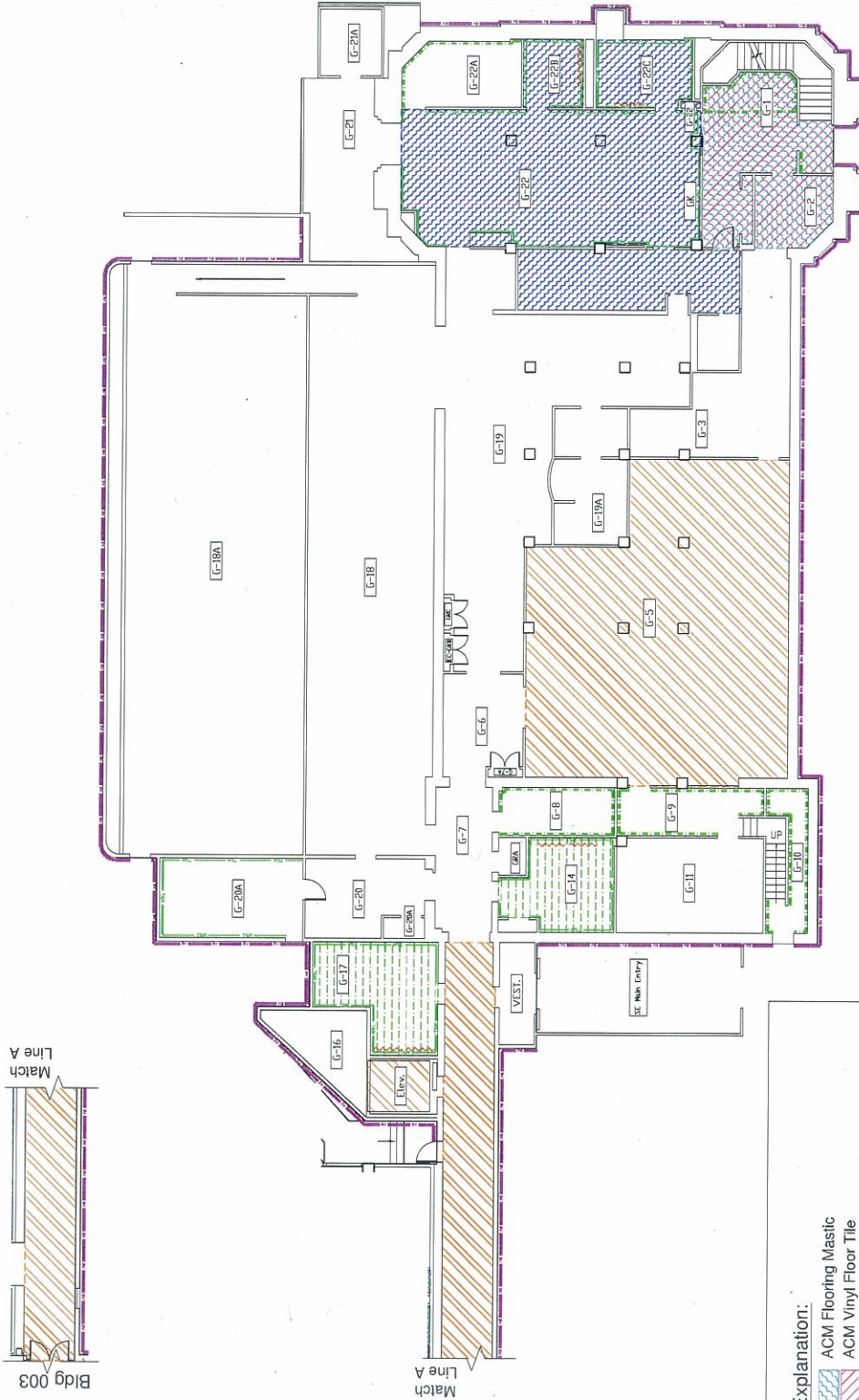


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SF VA Medical Center
Building : 007
First Floor
Asbestos Sample Location

PROJECT No:	09B-2173
SHEET NO:	Bldg 007 FP01
DRAWN BY:	S. Rahman
DATE:	10-29-09
REVIEWED BY:	
DATE:	

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Note: Assumed ACM ceramic floor tile adhesive and grout in room G-22 and G-22C.
Assumed vinyl sheet flooring in room G-5 and elevator.
Assumed ceramic wall tile adhesive and grout in room G-17, G-14, G-20

- | Explanation: | |
|---|---|
|  | ACM Flooring Mastic |
|  | ACM Vinyl Floor Tile |
|  | ACM Vinyl Sheet Flooring |
|  | ACM Ceramic Floor Tile Adhesive And Grout |
|  | ACM Terrazzo Floor (Assumed) |
|  | ACM Ceramic Wall Tile Adhesive And Grout |
|  | ACM Mirror Adhesive (Assumed) |
|  | ACM Exterior Stucco |
|  | ACM Terrazzo Baseboard (Assumed) |

SF VA Medical Center
Building : 007
Second Floor
Asbestos Material Locations

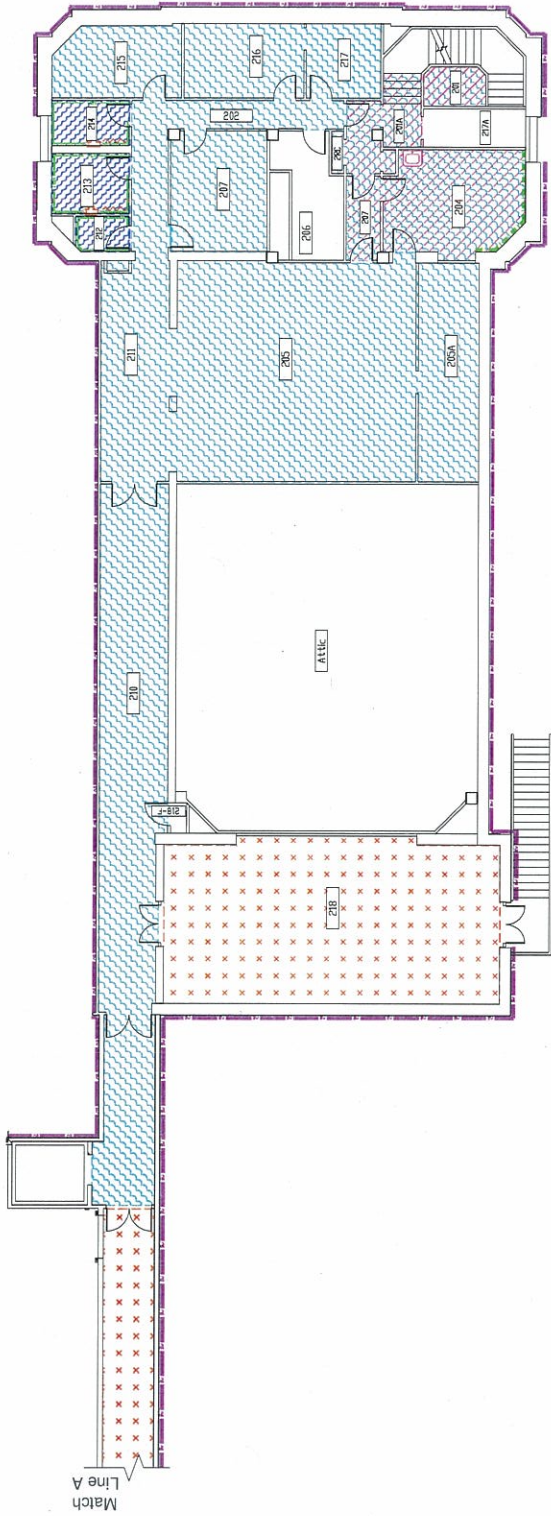
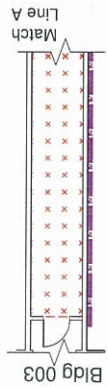


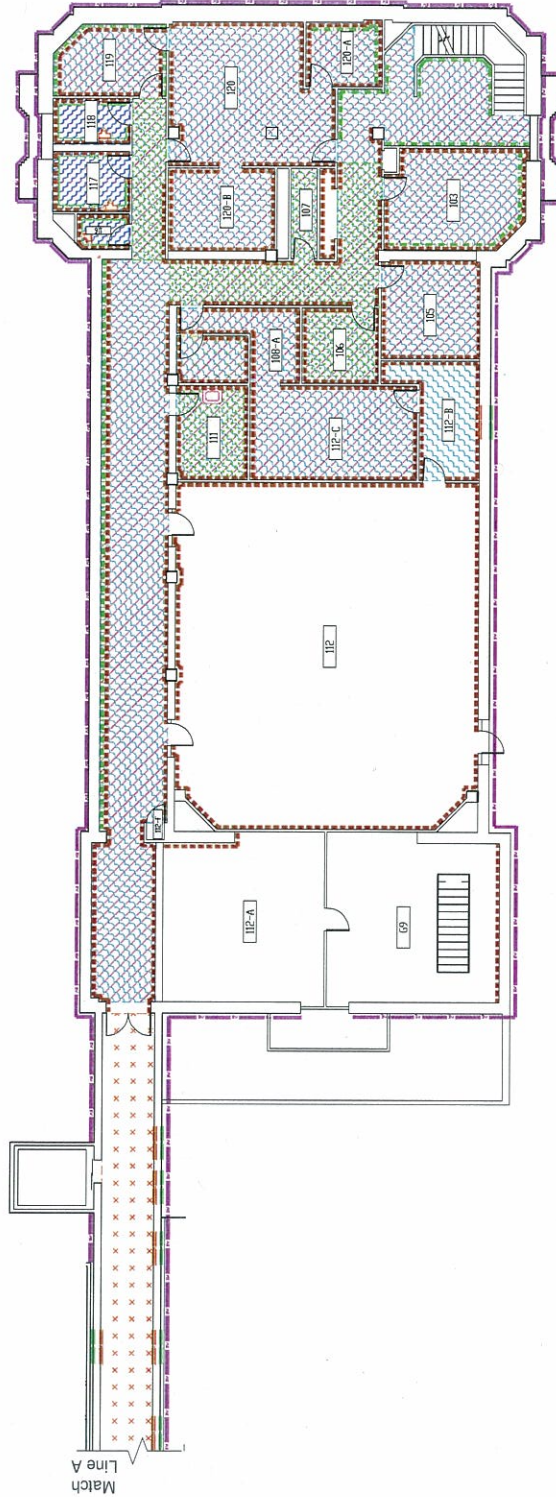
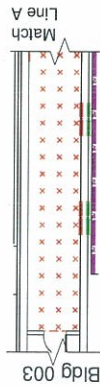
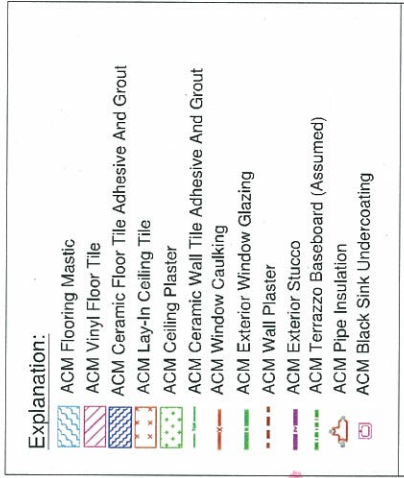
PROJECT No: 09B-2173
 SHEET: Bldg 007 FRO ML
 DRAWN BY: S. Rahman
 DATE: 02-12-10
 REVISD BY:
 DATE:
 REVIEWED BY:
 DATE:

Explanation:

- ACM Flooring Mastic
- ACM Vinyl Floor Tile
- ACM Ceramic Floor Tile Adhesive And Grout
- ACM Lay-In Ceiling Tile
- ACM Ceramic Wall Tile Adhesive And Grout
- ACM Mirror Adhesive (Assumed)
- ACM Exterior Stucco
- ACM Terrazzo Baseboard (Assumed)
- ACM Pipe Insulation
- ACM Black Sink Undercoating

Note: Assumed ACM lay-in ceiling tile in room 218.





Project Name:

Building 007

Survey Segment:

A: Building 007

Address:

4150 Clement, San Francisco, CA 94121

<u>Sample #</u>	<u>Homogeneous Area #</u>	<u>Material Description</u>	<u>Location /Description</u>	<u>Asbestos Results</u>
007-137-2	137	Ceiling Tile, Laid-In 2' x 2' w/ Short Fissures and Pinholes (Gray Core)	Ground: SE Main Entry Hallway	ND None Detected
007-137-3	137	Ceiling Tile, Laid-In 2' x 2' w/ Short Fissures and Pinholes (Gray Core)	Ground: South Main Corridor Hallway	ND None Detected
007-138-1	138	Vinyl Sheet Flooring Tan w/ Black Reflective Specks	Ground: G-7 Hallway	ND None Detected
007-138-1	138B	Vinyl Sheet Flooring Tan w/ Black Reflective Specks (Split Layer: Mastic-Yellow)	Ground: G-7 Hallway	ND None Detected
007-138-1	138C	Vinyl Sheet Flooring Tan w/ Black Reflective Specks (Split Layer: LevelCmpd-Grey)	Ground: G-7 Hallway	ND None Detected
007-139-1	139	Stucco Gray	Ground: Exterior Exterior	ND None Detected
007-139-1	139B	Stucco Gray (Split Layer: Stucco-Grey)	Ground: Exterior Exterior	ND None Detected
007-139-1	139C	Stucco Gray (Split Layer: Texture-Beige)	Ground: Exterior Exterior	<1% Chrysotile
007-139-2	139B	Stucco Gray (Split Layer: Stucco-Grey)	Ground: Exterior Exterior	ND None Detected
007-139-2	139D	Stucco Gray (Split Layer: Stucco-Beige)	Ground: Exterior Exterior	<1% Chrysotile
007-139-3	139	Stucco Gray	Ground: Exterior Exterior	ND None Detected
007-139-3	139B	Stucco Gray (Split Layer: Stucco-Grey)	Ground: Exterior Exterior	ND None Detected

Bulk Samples By Homogeneous Area #
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IHI Environmental
Project No. 007

Project Name:













Building 007

Survey Segment:

A: Building 007

Address:

4150 Clement, San Francisco, CA 94121

<u>Sample #</u>	<u>Homogeneous Area #</u>	<u>Material Description</u>	<u>Location /Description</u>	<u>Asbestos Results</u>
007-139-4		139 Stucco Gray	Ground: Exterior Exterior	ND None Detected
007-139-4		139B Stucco Gray (Split Layer: Stucco-Grey)	Ground: Exterior Exterior	ND None Detected
007-139-4		139C Stucco Gray (Split Layer: Texture-Beige)	Ground: Exterior Exterior	<1% Chrysotile
007-139-5		139 Stucco Gray	Ground: Exterior Exterior	ND None Detected
007-139-5		139B Stucco Gray (Split Layer: Stucco-Grey)	Ground: Exterior Exterior	ND None Detected
007-139-5		139C Stucco Gray (Split Layer: Texture-Beige)	Ground: Exterior Exterior	<1% Chrysotile
007-139-6		139 Stucco Gray	Ground: Exterior Exterior W Corner, Outside of Cafeteria	ND None Detected
007-139-6		139B Stucco Gray (Split Layer: Stucco-Grey)	Ground: Exterior Exterior W Corner, Outside of Cafeteria	ND None Detected
007-139-6		139C Stucco Gray (Split Layer: Texture-Beige)	Ground: Exterior Exterior W Corner, Outside of Cafeteria	ND None Detected
007-139-7		139 Stucco Gray	Ground: Exterior Exterior	ND None Detected
007-139-7		139B Stucco Gray (Split Layer: Stucco-Grey)	Ground: Exterior Exterior	ND None Detected
007-139-7		139C Stucco Gray (Split Layer: Texture-Beige)	Ground: Exterior Exterior	<1% Chrysotile

Bulk Samples By Homogeneous Area #
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Project Name:

Building 007

Survey Segment:

A: Building 007

Address:

4150 Clement, San Francisco, CA 94121

<u>Sample #</u>	<u>Homogeneous Area #</u>	<u>Material Description</u>	<u>Location /Description</u>	<u>Asbestos Results</u>
007-152-3	152D	Vinyl Sheet Flooring Red Pebble Pattern (Split Layer: Mastic-Grey)	Ground: South Main Corridor Hallway	ND None Detected
007-152-3	152E	Vinyl Sheet Flooring Red Pebble Pattern (Split Layer: LevelCmpd-Grey)	Ground: South Main Corridor Hallway	ND None Detected
007-153-1	153	Vinyl Floor Tile 12x12 Beige w/ Brown Streaks (black mastic)	Ground: South Main Corridor Hallway	ND None Detected
007-153-1	153B	Vinyl Floor Tile 12x12 Beige w/ Brown Streaks (black mastic) (Split Layer: Mastic-Black)	Ground: South Main Corridor Hallway	ND None Detected
007-154-1	154	Window Caulking Gray Interior	1: South Main Corridor Hallway	<1% Chrysotile
007-154-2	154	Window Caulking Gray Interior	1: South Main Corridor Hallway	<1% Chrysotile
007-154-3	154	Window Caulking Gray Interior	1: South Main Corridor Hallway	<1% Chrysotile
007-157-1	157	Pipe Insulation White w/ Metal Jacket	Roof: Exterior	1-5% Amosite
007-157-2	157	Pipe Insulation White w/ Metal Jacket	Roof: Exterior	1-5% Amosite
007-157-3	157	Pipe Insulation White w/ Metal Jacket	Roof: Exterior	1-5% Amosite
007-158-1	158	Window Putty Gray Exterior	Ground: Exterior Exterior 1st Floor, SE Side, Exterior side of Window near Center Main Corridor entry	<1% Chrysotile
007-158-2	158	Window Putty Gray Exterior	Ground: Exterior Exterior	<1% Chrysotile
007-158-3	158	Window Putty Gray Exterior	Ground: Exterior Exterior	<1% Chrysotile

Bulk Samples By Homogeneous Area #
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Project No. 007