



B3

**ASBESTOS-CONTAINING MATERIALS SURVEY
VETERANS AFFAIRS MEDICAL CENTER
4150 CLEMENT STREET
BUILDING 003
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



March 28, 2010

**Asbestos-Containing Materials Survey
Veterans Affairs Medical Center
4150 Clement Street
Building 003
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 003 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 August 14 - August 17, 2009 by State-certified personnel from IHI.

The following general types and estimated quantities of asbestos-containing materials were identified in Building 003.

 Cloth flashing*	68 Lin. Ft.
Ceramic Floor Tile Adhesive and Grout*	132 Sq. Ft.
Ceramic Wall Tile Adhesive and Grout*	409 Sq. Ft.
Flooring Adhesive*	330 Sq. Ft.
Mirror Adhesive*	16 Sq. Ft.
 Window Frame Caulk	420 Lin. Ft.
Pipe Insulation	58 Lin. Ft.
Gypsum Wallboard System (Joint Compound)	9,930 Sq. Ft.

* Material was not sampled and is assumed to contain asbestos

→ 134

Comments and Recommendations

Project Name:

Building 003

Survey Segment:

A: Building 003

Address:

4150 Clement, San Francisco, CA 94121

Homog. Asbestos
Area # ResultsMaterial DescriptionQuantityLocation / *(Quantity)*Condition DamageType Friability ExposurePot.Ground: Entry to Building 3 Hallway

Length: 22 ft. Width: 10 ft. Height: 11 ft. Area: 220 sq.ft
 Floor: Hardwood Flooring Wall: Wallboard Ceiling: Ceiling Tile
 Asb Debris: No Notes:

124	ND	Ceiling Tile, Laid-In None Detected 2' x 4' White w/ Short Fissures and Random Pinholes	180 Sq.Ft.	Throughout Space: *180*	Good	None	Friable	Low
125	ND	Baseboard None Detected 4" Gray w/ Beige/White Adhesive	40 Lin.Ft.	Throughout Space: *40*	Good	None	Non-Friable	Low
125B	ND	Baseboard None Detected 4" Gray w/ Beige/White Adhesive (Split Layer: Mastic-Off-White)	40 Lin.Ft.	Throughout Space: *40*	Good	None	Non-Friable	Low
126	ND	Gypsum Wallboard System None Detected No Skim Ground Floor	551 Sq.Ft.	Throughout Space: *551*	Good	None	Friable	Low
126B	ND	Gypsum Wallboard System None Detected No Skim Ground Floor (Split Layer: Texture-White)	551 Sq.Ft.	Throughout Space: *551*	Good	None	Friable	Low
126C	ND	Gypsum Wallboard System None Detected No Skim Ground Floor (Split Layer: Mastic-Off-White)	551 Sq.Ft.	Throughout Space: *551*	Good	None	Friable	Low
126D	<1% Chrysotile	Gypsum Wallboard System No Skim Ground Floor (Split Layer: Texture-Off-White)	551 Sq.Ft.	Throughout Space: *551*	Good	None	Friable	Low
130	POS	Hardwood Flooring Adhesive Adhesive Under Hardwood Flooring Panels	220 Sq.Ft.	Throughout Space: *220*	Good	None	Non-Friable	Low

Ground: Exterior

Length: 60 ft. Width: 45 ft. Height: 25 ft. Area: 2700 sq.ft
 Floor: Concrete Wall: Stucco Ceiling: Concrete
 Asb Debris: No Notes:

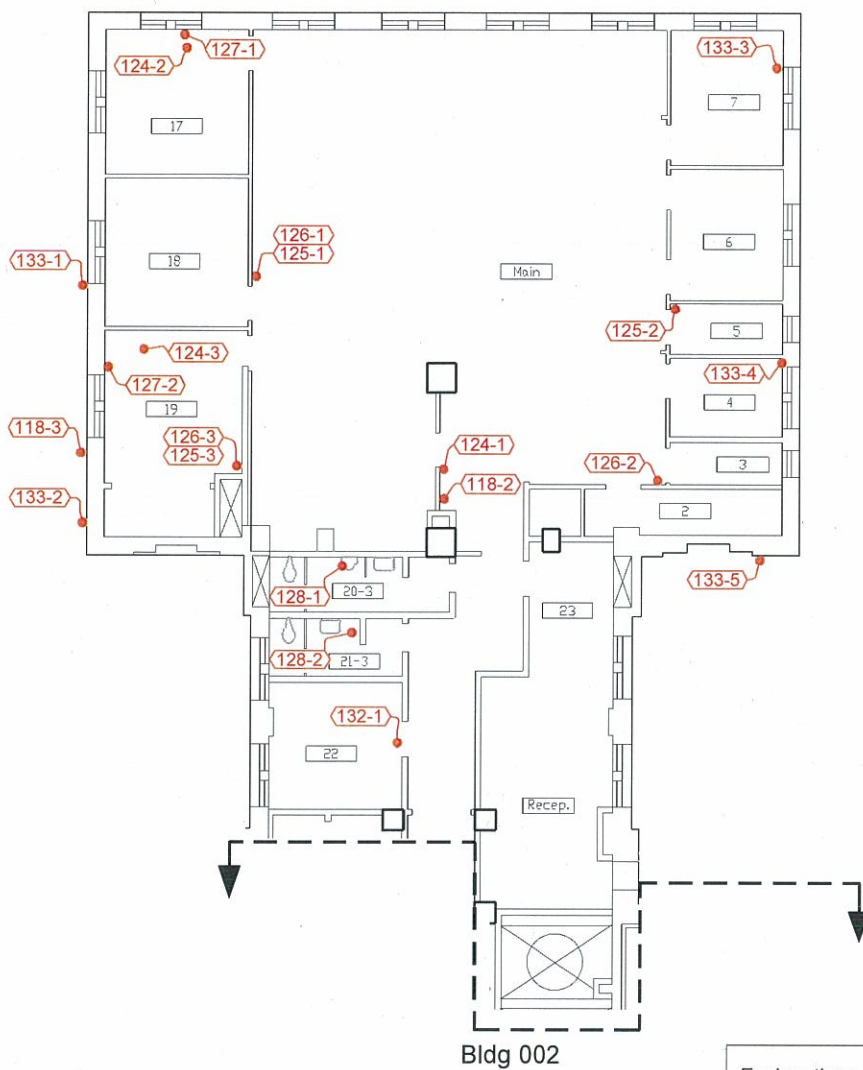
133	ND	Stucco None Detected Gray	2400 Sq.Ft.	Throughout Space: *2400*	Good	None	Non-Friable	Low
134	POS	Miscellaneous Exterior Material Plastic / Cloth-like Flashing at Base of Wall	68 Lin.Ft.	Throughout Space: North Wall *68*	Good	None	Non-Friable	Low

Suspected ACM In Each Surveyed Space/Room
 5/13/2010 8:10:54 AM

Page 30 of 31

IHI Environmental
 Project No. 003

133-1
133-2
133-5
118-3 to 133-3



Bldg 002

Explanation:

- 22 Room Number
- xxx Asbestos Sample Location And Number

Project Name:

Building 003

Survey Segment:

A: Building 003

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>
003-128-1	128B	Vinyl Floor Tile 12x12 Textured White w/ Black and Gray Specks (tan mastic)	Ground: 20-3 Restroom	ND None Detected
003-128-1	128C	Vinyl Floor Tile 12x12 Textured White w/ Black and Gray Specks (tan mastic)	Ground: 20-3 Restroom	ND None Detected
003-128-2	128	Vinyl Floor Tile 12x12 Textured White w/ Black and Gray Specks (tan mastic)	Ground: 21-3 Restroom	ND None Detected
003-128-2	128B	Vinyl Floor Tile 12x12 Textured White w/ Black and Gray Specks (tan mastic)	Ground: 21-3 Restroom	ND None Detected
003-128-2	128C	Vinyl Floor Tile 12x12 Textured White w/ Black and Gray Specks (tan mastic)	Ground: 21-3 Restroom	ND None Detected
003-132-1	132	Ceiling Tile, Laid-In 2' x 4' White w/ 12" Square Pattern Random Fissures	Ground: 22 Office	ND None Detected
003-133-1	133	Stucco Gray	Ground: Exterior	ND None Detected
003-133-2	133	Stucco Gray	Ground: Exterior	ND None Detected
003-133-3	133	Stucco Gray	Ground: Exterior	ND None Detected
003-133-4	133	Stucco Gray	Ground: Exterior	ND None Detected
003-133-5	133	Stucco Gray	Ground: Exterior	ND None Detected

Bulk Sample Analytical Results By Homogeneous
5/13/2010 8:11:18 AM

Page 9 of 10

IHI Environmental
Project No. 003

Project Name:

Building 003

Survey Segment:

A: Building 003

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>
003-117-3	117	Wall Surface Texture Rough on Concrete Basement	Basement: B-6 Office	ND None Detected
003-117-4	117	Wall Surface Texture Rough on Concrete Basement	Basement: B-6 Office	ND None Detected
003-118-1	118	Carpet Adhesive Tan	Basement: B-6A Office	ND None Detected
003-118-1	118B	Carpet Adhesive Tan (Split Layer: LevelCmpd-Grey)	Basement: B-6A Office	ND None Detected
003-118-2	118	Carpet Adhesive Tan	Ground: Engineering Office Space Office	ND None Detected
003-118-3	118	Carpet Adhesive Tan	Ground: 19 Conference	ND None Detected
003-119-1	119	Baseboard 6" Light Blue w/ Brown Adhesive	Basement: 9-A Storage	ND None Detected
003-119-1	119B	Baseboard 6" Light Blue w/ Brown Adhesive (Split Layer: Mastic-Brown)	Basement: 9-A Storage	ND None Detected
003-119-2	119	Baseboard 6" Light Blue w/ Brown Adhesive	Basement: 7 Hallway	ND None Detected
003-119-2	119B	Baseboard 6" Light Blue w/ Brown Adhesive (Split Layer: Mastic-Brown)	Basement: 7 Hallway	ND None Detected
003-120-1	120	Baseboard 6" Tan w/ Brown Adhesive	Basement: 9-A Storage	ND None Detected
003-120-1	120B	Baseboard 6" Tan w/ Brown Adhesive (Split Layer: Mastic-Brown)	Basement: 9-A Storage	ND None Detected
003-120-2	120	Baseboard 6" Tan w/ Brown Adhesive	Basement: 7 Hallway	ND None Detected