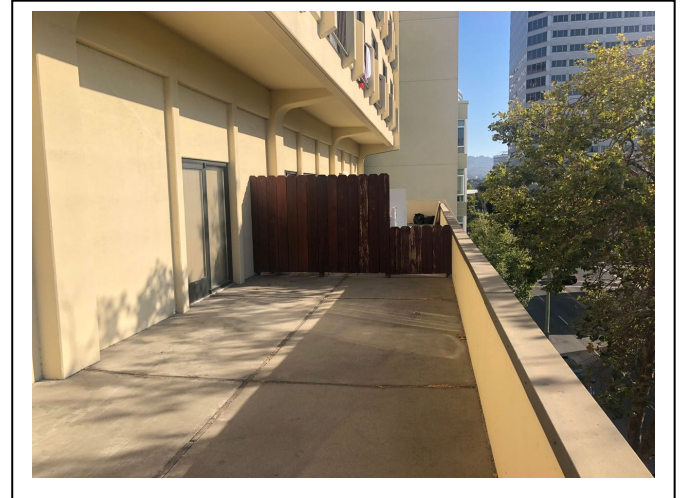
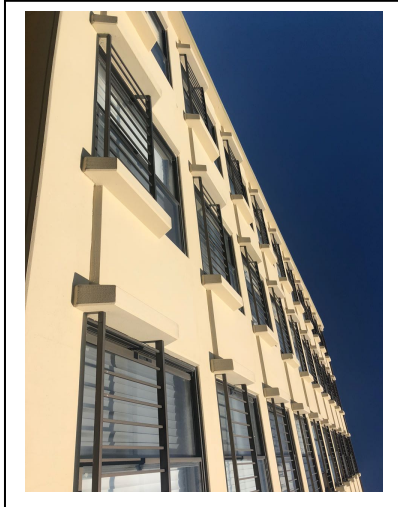


**Harrison Tower
1621 Harrison Street
Oakland, CA 94612**



KELLCO Job #1905-03

**Pre-Renovation
Hazardous Materials Inspection Report**

for

**Rincon Consultants
180 N. Ashwood Ave
Ventura, CA 93003**

May 28, 2020



Pre-Renovation Hazardous Materials Inspection Report

Date: May 28, 2020

KELLCO Job #: 1905-03

Client: Rincon Consultants
180 N Ashwood Ave
Ventura, CA 93003

Location: Harrison Tower
1621 Harrison Street
Oakland, CA 94612

Dates of Inspection: 11/21/19
12/3/19
1/23/20

Inspectors: Derrik Quach, CSST #02-3214, CDPH 2280, NRRP 10458T RT
Tim Cannard CAC #94-1395, CDPH Lead #764

Lab Reports: Schneider 348238 Lead
Schneider 349796 Lead
Schneider 356515 Lead
Schneider 349797 PCB
Schneider 356517 PCB
Schneider 348239 Asbestos
Schneider 349795 Asbestos
Schneider 356516 Asbestos

Description of The Inspected Area: This is a multi-story building with similar features found on each floor including vinyl floor covering, “popcorn” ceilings, wall texturing and tape joint compound, inter-wall Thermal Systems Insulation (TSI), fluorescent light tubes and ballasts.

Background

Noncontiguous areas were tested on floors from the basement to the roof to represent building materials that would be disturbed during a renovation of the building interior.

Synopsis

Asbestos was found in the following materials: Popcorn ceiling, wall mastic, tape joint compound, vinyl sheet flooring, wall texture.

Asbestos containing vinyl sheet flooring is sandwiched between non-asbestos containing layers of flooring. All the flooring should be treated as asbestos containing.

Lead paint was found in the following tested materials: Stairwell off-white paint, Apartment 404 black door, Interior door frames, Interior apartment walls, Exterior wall tower, Interior bedroom window tan, interior bathroom yellow, Roof stair pole, off-white.

Fluorescent lights, fluorescent fixture ballasts and thermostats may contain PCB's and mercury.

About the Inspection

The inspection performed was both visual and tactile. Samples were taken of suspect materials located at the interior on different floors of the building.

The inspection was a reasonable attempt to find suspect materials that were hidden within walls, behind structures, in vertical shafts or in areas not normally accessible. If any non-sampled materials are uncovered, these should be submitted for asbestos and/or lead paint analysis.

The following numbering convention was used for this inspection:

LETTER	STANDS FOR	EXAMPLE	MEANING
XXXX-YY	Area DESIGNATION based on information provided on drawings provided to us prior to inspection	67-01	Apartment 67 Sample 1
zz	Sample type if not asbestos (eg, M: mold; pb: Lead AND Sample number and layer	67-PB01	Apartment 67 lead 01
F	SYSTEM (W: wall; F: Flooring; C: Ceiling; T: TSI; M: Misc)	67-03F	Apartment 67 Sample 3 Flooring

- ***Asbestos Findings***

Asbestos samples were analyzed in Schneider Laboratories Global by Polarized Light Microscopy, the EPA's recommended method. Copies of the full laboratory reports are attached. These valuable reports can be utilized as future reference to determine if a particular material was tested.

Photographs of sampled materials are included. Sample locations are noted on the attached not-to-scale drawing.

The determination of a material to be Asbestos Containing Material (ACM) was made either by direct sampling or by homogeneity with at least one positive sample of the same material.

Materials that tested positive for asbestos are:

ASBESTOS CONTAINING MATERIALS							
KELLCO #	LAB #	SAMPLE LOCATION	MATERIAL	DESCRIPTION	LAYER	ACM TYPE	ACM %
1005-W-10	356516-010	Apt 1005-Bath Rm- NW Wall	Mastic	Tan, Brittle	3	Chrysotile	2%
1005-W-11	356516-011	Apt 1005-Living Rm- NW	Texture	White, Granular	1	Chrysotile	2%
12th FL-C-16	356516-016	12th FL Corridor	Popcorn	White, Granular	1	Chrysotile	4%
12th FL-W-17	356516-017	12th FL Corridor	Texture	White, Granular	1	Chrysotile	2%
1303-C-01	349795-001	Apt. 1303 Living Rm. NW	Popcorn Ceiling	White, Granular	1	Chrysotile	4%
1303-C-02	349795-002	Apt. 1303 Closet N.	Popcorn Ceiling	White, Granular	1	Chrysotile	4%
1303-C-03	349795-003	Apt. 1303 Bedroom NW	Popcorn Ceiling	White, Granular	1	Chrysotile	4%
1303-W-04	349795-004	Apt. 1303 Bedroom SW	Joint Compound	White, Granular	2	Chrysotile	4%
1310 Apt.-M-55	349795-055	Apt. 1310 Kitchen	Joint Compound	White, Granular	2	Chrysotile	2%
1310 Apt.-M-60	349795-060	Apt. 1310 Living Rm. SE	Popcorn	White, Granular	1	Chrysotile	4%
1310 Apt.-M-62	349795-062	Apt. 1310 Kitchen	Texture	White, Granular	1	Chrysotile	2%
1310 Apt.-W-54	349795-054	Apt. 1310 Kitchen N.	Texture	White, Granular	1	Chrysotile	2%
1621H 3rd FL-W-05	348239-005	3rd FL-Elevator Lobby	Texture/Paint	White, Granular	1	Chrysotile	2%
3r FL-W-47	356516-047	3rd FL- Women Restroom	Texture	White, Granular	1	Chrysotile	2%
3rd FL-F-24	356516-024	3rd FL-Kitchen- N FL	Vinyl Sheet Flrng	Tan/Yellow, Org.Bound/Fibrous	1	Chrysotile	20%
3rd FL-F-25	356516-025	3rd FL-Kitchen- SE FL	Vinyl Sheet Flrng	Tan/Yellow, Org.Bound/Fibrous	1	Chrysotile	20%
3rd FL-F-26	356516-026	3rd FL-Kitchen-SW FL	Vinyl Sheet Flrng	Tan/Yellow, Org.Bound/Fibrous	1	Chrysotile	20%
3rd FL-W-45	356516-045	3rd FL- Men Restroom- S	Joint Compound	White, Granular	2	Chrysotile	2%
3rd FL-W-46	356516-046	3rd FL- Men Restroom- S	Mastic	Tan, Brittle	3	Chrysotile	2%
404-C-06	356516-006	Apt 404-Living Rm-SE	Popcorn	White, Granular	1	Chrysotile	4%
404-F-01	356516-001	Apt 404- Kitchen- SW FL	Vinyl Sheet Flrng	Beige, Org.Bound/Fibrous	3	Chrysotile	20%
404-F-02	356516-002	Apt 404- Kitchen- NE FL	Vinyl Sheet Flrng	Beige, Org.Bound/Fibrous	3	Chrysotile	20%
404-W-05	356516-005	Apt 404-Living Rm-SW Wall	Texture	White, Granular	1	Chrysotile	2%
404-W-07	356516-007	Apt 404-Closet-S Wall	Joint Compound	White, Granular	2	Chrysotile	2%
404-W-08	356516-008	Apt 404-Bathroom- N Wall	Mastic	Tan, Brittle	3	Chrysotile	2%
405 Apt.-C-36	349795-036	Apt. 405 Closet W.	Popcorn Ceiling	White, Granular	1	Chrysotile	4%
405 Apt.-W-34	349795-034	Apt. 405 Kitchen E.	Textured Material	White, Granular	1	Chrysotile	2%
405 Apt.-W-37	349795-037	Apt. 405 Closet E.	Joint Compound	White, Granular	2	Chrysotile	2%
405 Apt.-W-39	349795-039	Apt. 405 Bedroom E.	Textured Material	White, Granular	1	Chrysotile	2%
408 Apt.-C-42	349795-042	Apt. 408 Living Rm. N.	Popcorn Ceiling	White, Granular	1	Chrysotile	4%

ASBESTOS CONTAINING MATERIALS							
KELLCO #	LAB #	SAMPLE LOCATION	MATERIAL	DESCRIPTION	LAYER	ACM TYPE	ACM %
408 Apt.-W-40	349795-040	Apt. 408 Kitchen W.	Textured Material	White, Granular	1	Chrysotile	2%
408 Apt.-W-44	349795-044	Apt. 408 Bedroom W.	Joint Compound	Off White, Granular	2	Chrysotile	2%
4th FL-C-47	349795-047	4th FL Corridor S.	Popcorn Ceiling	White, Granular	1	Chrysotile	4%
4th FL-W-48	349795-048	4th FL Corridor Trash	Textured Material	White, Granular	1	Chrysotile	2%
503 Apt.-C-30	349795-030	Apt. 503 Closet N.	Popcorn Ceiling	White, Granular	1	Chrysotile	4%
503 Apt.-W-29	349795-029	Apt. 503 Kitchen W.	Textured Material	White, Granular	1	Chrysotile	2%
503 Apt.-W-33	349795-033	Apt. 503 Living Rm. NE	Textured Material	White, Granular	1	Chrysotile	2%
5th FL-C-24	349795-024	5th FL Elevator Lobby	Popcorn Ceiling	White, Granular	1	Chrysotile	4%
5th FL-W-26	349795-026	5th Floor S. Corridor	Textured Material	White, Granular	1	Chrysotile	2%
6th FL-C-21	356516-021	6th FL Corridor	Popcorn	White, Granular	1	Chrysotile	4%
6th FL-W-22	356516-022	6th FL Corridor	Texture	White, Granular	1	Chrysotile	2%
9th FL-C-13	349795-013	Apt. 908 Living Rm. NW	Popcorn Ceiling	White, Granular	1	Chrysotile	6%
9th FL-C-23	349795-023	9th FL Elevator Lobby	Popcorn Ceiling	White, Granular	1	Chrysotile	4%
9th FL-W-14	349795-014	Apt. 908 Living Rm. NW	Textured Material	White, Granular	1	Chrysotile	2%
9th FL-W-18	349795-018	Apt. 908 Bedroom S.	Joint Compound	White	2	Chrysotile	2%
9th FL-W-22	349795-022	9th FL Corridor	Textured Material	White, Granular	1	Chrysotile	2%

Samples that have less than 10% asbestos and can be submitted for further analysis by the Point Count method as described elsewhere in this document. If the Point Count method determines that the material contains less than 1% asbestos, these materials can be disposed of as non-hazardous asbestos containing construction waste.

Tested materials that were **none detected** for asbestos are:

ASBESTOS NOT DETECTED						
KELLCO #	LAB #	SAMPLE LOCATION	MATERIAL	LAYER	DESCRIPTION	
1621H-C-01	348239-001	Garage-By Column D-10	Concrete	1	Gray, Hard/Granular	
1621H-C-02	348239-002	Garage-By Column G-07	Concrete	1	Gray, Hard/Granular	
1621H-C-02	348239-002	Garage-By Column G-07	Bituminous Material	2	Black, Bituminous	
1621H-C-03	348239-003	Garage-By Entrance	Concrete	1	Gray, Hard/Granular	
1621H-M-04	348239-004	Garage-At Entrance	Concrete	1	Gray, Hard/Granular	
1621H 3rd FL-M-06	348239-006	3rd FL-Balcony-S. FL	Sealant	1	Gray, Rubbery	
1621H 3rd FL-M-07	348239-007	3rd FL-Balcony-E. FL	Sealant	1	Gray, Rubbery	
1621H 3rd FL-M-08	348239-008	3rd FL-Balcony-N. FL	Sealant	1	Gray, Rubbery	
1621H 3rd FL-F-09	348239-009	3rd FL-Balcony-E. FL	Concrete	1	Gray, Hard/Granular	

ASBESTOS NOT DETECTED

KELLCO #	LAB #	SAMPLE LOCATION	MATERIAL	LAYER	DESCRIPTION
1621H 3rd FL-F-10	348239-010	3rd FL Community Center	Vinyl Sheet Flrng	1	Brown, Organically Bound
1621H 3rd FL-F-10	348239-010	3rd FL Community Center	Mastic	2	Yellow, Soft
1303-F-05	349795-005	Apt. 1303 Kitchen W.	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
1303-F-05	349795-005	Apt. 1303 Kitchen W.	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
1303-F-05	349795-005	Apt. 1303 Kitchen W.	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
1303-F-05	349795-005	Apt. 1303 Kitchen W.	Mastic	2	Yellow, Soft
1303-W-06	349795-006	Apt. 1303 Kitchen E.	Cove Base Mastic	1	Beige, Soft
1303-W-07	349795-007	Apt. 1303 Living Rm. E.	Textured Material	1	White, Granular
1303-M-08	349795-008	Apt. 1303 Bedroom N.	Sealant	1	Gray, Rubbery
13th FL-F-09	349795-009	13th FL Elev Lobby Corr.	Mastic	2	Yellow, Soft
13th FL-F-09	349795-009	13th FL Elev Lobby Corr.	Floor Tile	3	Black, Organically Bound
13th FL-F-09	349795-009	13th FL Elev Lobby Corr.	Floor Tile	1	Gray, Organically Bound
13th FL-F-10	349795-010	13th FL Corr. Trash Chute	Mastic	2	Yellow, Soft
13th FL-F-10	349795-010	13th FL Corr. Trash Chute	Floor Tile	3	Blue, Organically Bound
13th FL-F-10	349795-010	13th FL Corr. Trash Chute	Floor Tile	1	Gray, Organically Bound
13th FL-F-11	349795-011	13th FL Corr. Trash Chute	Mastic	2	Beige, Soft
13th FL-F-11	349795-011	13th FL Corr. Trash Chute	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
13th FL-F-11	349795-011	13th FL Corr. Trash Chute	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
13th FL-F-11	349795-011	13th FL Corr. Trash Chute	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
13th FL-W-12	349795-012	13th FL Corr. Trash Chute	Textured Compound	1	White, Granular
9th FL-F-15	349795-015	Apt. 908 Kitchen N.	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
9th FL-F-15	349795-015	Apt. 908 Kitchen N.	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
9th FL-F-15	349795-015	Apt. 908 Kitchen N.	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
9th FL-W-16	349795-016	Apt. 908 Kitchen E.	Textured Material	1	White, Granular
9th FL-W-16	349795-016	Apt. 908 Kitchen E.	Paint	2	Beige, Soft
9th FL-W-17	349795-017	Apt. 908 Closet N.	Textured Material	1	White, Granular
9th FL-W-19	349795-019	Apt. 908 Bedroom S.	Cove Base Mastic	1	Tan, Soft
9th FL-F-20	349795-020	9th FL Corridor N.	Floor Tile	1	Gray, Organically Bound
9th FL-F-20	349795-020	9th FL Corridor N.	Mastic	2	Yellow, Soft
9th FL-F-20	349795-020	9th FL Corridor N.	Floor Tile	3	Blue, Organically Bound
9th FL-F-21	349795-021	9th FL Trash Chute	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
9th FL-F-21	349795-021	9th FL Trash Chute	Mastic	2	Beige, Soft
9th FL-F-21	349795-021	9th FL Trash Chute	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
9th FL-F-21	349795-021	9th FL Trash Chute	Vinyl Sheet Flrng	1	Brown, Org.Bound/Fibrous
5th FL-F-25	349795-025	5th FL Elevator Lobby	Floor Tile	1	Gray, Organically Bound
5th FL-F-25	349795-025	5th FL Elevator Lobby	Mastic	2	Tan, Soft

ASBESTOS NOT DETECTED

KELLCO #	LAB #	SAMPLE LOCATION	MATERIAL	LAYER	DESCRIPTION
5th FL-F-25	349795-025	5th FL Elevator Lobby	Floor Tile	3	Blue, Organically Bound
5th FL-F-27	349795-027	5th Floor S. Corridor	Mastic	2	Tan, Soft
5th FL-F-27	349795-027	5th Floor S. Corridor	Floor Tile	3	Blue, Organically Bound
5th FL-F-27	349795-027	5th Floor S. Corridor	Floor Tile	1	Gray, Organically Bound
5th FL-F-28	349795-028	5th FL Trash Chute	Vinyl Sheet Flrng	1	Tan, Org.Bound/Fibrous
5th FL-F-28	349795-028	5th FL Trash Chute	Vinyl Sheet Flrng	1	Tan, Org.Bound/Fibrous
5th FL-F-28	349795-028	5th FL Trash Chute	Mastic	2	Tan, Soft
5th FL-F-28	349795-028	5th FL Trash Chute	Vinyl Sheet Flrng	1	Tan, Org.Bound/Fibrous
503 Apt.-F-31	349795-031	Apt. 503 Kitchen W.	Mastic	2	Tan, Soft
503 Apt.-F-31	349795-031	Apt. 503 Kitchen W.	Vinyl Sheet Flrng	1	Brown/White, Org.Bound/Fibrous
503 Apt.-F-31	349795-031	Apt. 503 Kitchen W.	Vinyl Sheet Flrng	1	Brown/White, Org.Bound/Fibrous
503 Apt.-F-31	349795-031	Apt. 503 Kitchen W.	Vinyl Sheet Flrng	1	Brown/White, Org.Bound/Fibrous
503 Apt.-W-32	349795-032	Apt. 503 Kitchen W.	Mastic	2	White/Tan, Soft
503 Apt.-W-32	349795-032	Apt. 503 Kitchen W.	Cove Base	1	Brown, Rubbery
405 Apt.-F-35	349795-035	Apt. 405 Kitchen N.	Vinyl Sheet Flrng	1	Beige/Brown, Org.Bound/Fibrous
405 Apt.-F-35	349795-035	Apt. 405 Kitchen N.	Vinyl Sheet Flrng	1	Beige/Brown, Org.Bound/Fibrous
405 Apt.-F-35	349795-035	Apt. 405 Kitchen N.	Vinyl Sheet Flrng	1	Beige/Brown, Org.Bound/Fibrous
405 Apt.-F-35	349795-035	Apt. 405 Kitchen N.	Mastic	2	Tan, Soft
405 Apt.-M-38	349795-038	Apt. 405 Bedroom W.	Sealant	1	Gray, Soft
408 Apt.-F-41	349795-041	Apt. 408 Kitchen W.	Mastic	2	Tan, Soft
408 Apt.-F-41	349795-041	Apt. 408 Kitchen W.	Vinyl Sheet Flrng	1	Brown/Beige, Organically Bound
408 Apt.-W-43	349795-043	Apt. 408 Closet NW	Textured Ceiling	1	White, Granular
408 Apt.-M-45	349795-045	Apt. 408 Bedroom E.	Sealant	1	Gray, Soft
408 Apt.-W-46	349795-046	Apt. 408 Bedroom W.	Mastic	2	White, Soft
408 Apt.-W-46	349795-046	Apt. 408 Bedroom W.	Cove Base	1	Brown, Rubbery
4th FL-F-49	349795-049	4th FL Corridor Trash	Mastic	2	Tan, Soft
4th FL-F-49	349795-049	4th FL Corridor Trash	Vinyl Sheet Flrng	1	Tan/White, Organically Bound
4th FL-F-49	349795-049	4th FL Corridor Trash	Vinyl Sheet Flrng	1	Tan/White, Organically Bound
4th FL-F-50	349795-050	4th FL Corridor N.	Mastic	2	Tan, Soft
4th FL-F-50	349795-050	4th FL Corridor N.	Vinyl Floor Tile	1	Green, Organically Bound
4th FL-F-50	349795-050	4th FL Corridor N.	Vinyl Floor Tile	3	Gray, Organically Bound
4th FL-F-50	349795-050	4th FL Corridor N.	Mastic	4	Tan, Soft
908 Apt.-M-51	349795-051	Apt. 908 Living Rm. NE	Sealant	1	Gray, Rubbery

ASBESTOS NOT DETECTED

KELLCO #	LAB #	SAMPLE LOCATION	MATERIAL	LAYER	DESCRIPTION
503 Apt.-M-52	349795-052	Apt. 503 Bedroom NW	Sealant	1	Gray, Rubbery
3rd FL-W-53	349795-053	3rd FL Exterior	Skim Coat	1	Tan, Granular
3rd FL-W-53	349795-053	3rd FL Exterior	Concrete	2	Gray, Hard
1621-W-56	349795-056	Roof Ext.	Skim Coat	1	Tan, Brittle
1621-W-56	349795-056	Roof Ext.	Concrete	2	Gray, Hard
1621-W-57	349795-057	Roof Hot Water Storage	Skim Coat	1	Tan, Granular
1621-W-57	349795-057	Roof Hot Water Storage	Concrete	2	Gray, Hard
1621-W-58	349795-058	Roof Hot Water Storage	Skim Coat	1	Tan, Granular
1621-W-58	349795-058	Roof Hot Water Storage	Concrete	2	Gray, Hard
1310 Apt.-W-59	349795-059	Apt. 1310 Living Rm. S.	Sealant	1	Gray, Rubbery
1310 Apt.-M-61	349795-061	Apt. 1310 Kitchen	Vinyl Sheet Flrng	1	Brown, Organically Bound
1310 Apt.-M-61	349795-061	Apt. 1310 Kitchen	Vinyl Sheet Flrng	1	Brown, Organically Bound
1310 Apt.-M-61	349795-061	Apt. 1310 Kitchen	Vinyl Sheet Flrng	1	Brown, Organically Bound
908 Apt.-W-63	349795-063	Apt. 908 Kitchen	Concrete	1	Gray, Granular
1303 Apt.-W-64	349795-064	Apt. 1303 Kitchen	Concrete	1	Gray, Granular
1310 Apt.-W-65	349795-065	Apt. 1310 Kitchen	Concrete	1	Gray, Granular
503 Apt.-W-66	349795-066	Apt. 503 Kitchen	Concrete	1	Gray, Granular
405 Apt.-W-67	349795-067	Apt. 405 Kitchen	Concrete	1	Gray, Granular
404-M-04	356516-004	Apt 404-Living Rm-SW Wall	Sealant	1	Gray, Rubbery
404-W-09	356516-009	Apt 404-Bathroom- N Wall	Fibrous Material	3	Tan, Fibrous
404-W-09	356516-009	Apt 404-Bathroom- N Wall	Fibrous Material	3	Tan, Fibrous
404-W-09	356516-009	Apt 404-Bathroom- N Wall	Cove Base	1	Brown, Rubbery
404-W-09	356516-009	Apt 404-Bathroom- N Wall	Mastic	2	Beige, Soft
13th FL-C-12	356516-012	13th FL Corridor	Ceiling Tile	1	White, Fibrous
13th FL-C-12	356516-012	13th FL Corridor	Ceiling Tile	1	White, Fibrous
13th FL-C-12	356516-012	13th FL Corridor	Ceiling Tile	1	White, Fibrous
13th FL-C-13	356516-013	13th FL Corridor By Trash	Ceiling Tile	1	White, Fibrous
13th FL-C-13	356516-013	13th FL Corridor By Trash	Ceiling Tile	1	White, Fibrous
13th FL-C-13	356516-013	13th FL Corridor By Trash	Ceiling Tile	1	White, Fibrous
13th FL-C-14	356516-014	13th FL Corridor	Ceiling Tile	1	White/Yellow, Fibrous
13th FL-C-14	356516-014	13th FL Corridor	Ceiling Tile	1	White/Yellow, Fibrous
13th FL-C-15	356516-015	13th FL Corridor By Trash	Ceiling Tile	1	White/Yellow, Fibrous
13th FL-C-15	356516-015	13th FL Corridor By Trash	Ceiling Tile	1	White/Yellow, Fibrous
11th FL-F 18	356516-018	11th FL Corridor	Carpet Mastic	2	Tan, Soft

ASBESTOS NOT DETECTED

KELLCO #	LAB #	SAMPLE LOCATION	MATERIAL	LAYER	DESCRIPTION
11th FL-F 18	356516-018	11th FL Corridor	Leveling Compound	1	White, Granular
8th FL-F 19	356516-019	8th FL Corridor Unit 807	Carpet Mastic	1	Tan, Soft
6th FL-F 20	356516-020	6th FL Corridor Unit 605	Carpet Mastic	1	Tan, Soft
6th FL-F-23	356516-023	6th FL Corridor	Vinyl Floor Tile	1	Gray, Organically Bound
6th FL-F-23	356516-023	6th FL Corridor	Vinyl Floor Tile	3	Blue, Organically Bound
6th FL-F-23	356516-023	6th FL Corridor	Mastic	2	Tan, Soft
3rd FL-F-27	356516-027	3rd FL Laundry- S FL	Mastic	2	Tan, Soft
3rd FL-F-27	356516-027	3rd FL Laundry- S FL	Vinyl Sheet Flrng	1	Gray, Organically Bound
3rd FL-F-27	356516-027	3rd FL Laundry- S FL	Vinyl Sheet Flrng	1	Gray, Organically Bound
3rd FL-F-28	356516-028	3rd FL- Laundry Rm- NW FL	Vinyl Sheet Flrng	1	Gray, Organically Bound
3rd FL-F-28	356516-028	3rd FL- Laundry Rm- NW FL	Mastic	2	Tan, Soft
3rd FL-F-28	356516-028	3rd FL- Laundry Rm- NW FL	Vinyl Sheet Flrng	1	Gray, Organically Bound
3rd FL-M-29	356516-029	3rd FL- Services Corridor	Sealant	1	White, Fibrous
3rd FL-M-29	356516-029	3rd FL- Services Corridor	Sealant	1	White, Fibrous
3rd FL-C-30	356516-030	3rd FL- Services Corridor	Ceiling Tile	1	White/Gray, Fibrous
3rd FL-C-30	356516-030	3rd FL- Services Corridor	Ceiling Tile	1	White/Gray, Fibrous
3rd FL-C-30	356516-030	3rd FL- Services Corridor	Ceiling Tile	1	White/Gray, Fibrous
3rd FL-C-31	356516-031	3rd FL- Storage- NW	Ceiling Tile	1	White/Gray, Fibrous
3rd FL-C-31	356516-031	3rd FL- Storage- NW	Ceiling Tile	1	White/Gray, Fibrous
3rd FL-C-31	356516-031	3rd FL- Storage- NW	Ceiling Tile	1	White/Gray, Fibrous
3rd FL-P-32	356516-032	3rd FL- Storage- W	Cover	2	White, Fibrous
3rd FL-P-32	356516-032	3rd FL- Storage- W	Cover	2	White, Fibrous
3rd FL-P-32	356516-032	3rd FL- Storage- W	Pipe Insulation	1	Pink, Fibrous
3rd FL-P-32	356516-032	3rd FL- Storage- W	Pipe Insulation	1	Pink, Fibrous
3rd FL-P-33	356516-033	3rd FL- Storage-SW	Cover	2	White, Fibrous
3rd FL-P-33	356516-033	3rd FL- Storage-SW	Pipe Insulation	1	Pink, Fibrous
3rd FL-P-33	356516-033	3rd FL- Storage-SW	Cover	2	White, Fibrous
3rd FL-P-33	356516-033	3rd FL- Storage-SW	Pipe Insulation	1	Pink, Fibrous
3rd FL-W-34	356516-034	3rd FL- Storage- W Wall	Cove Base	1	Black, Rubbery
3rd FL-W-34	356516-034	3rd FL- Storage- W Wall	Mastic	2	Beige, Soft
3rd FL-W-35	356516-035	3rd FL- Storage- S Wall	Mastic	2	Beige, Soft
3rd FL-W-35	356516-035	3rd FL- Storage- S Wall	Cove Base	1	Black, Rubbery
3rd FL-W-35	356516-035	3rd FL- Storage- S Wall	Mastic	3	Brown, Brittle
3rd FL-F-36	356516-036	3rd FL- Corridor- S End	Carpet Mastic	1	Tan/Green, Soft
3rd FL-P-37	356516-037	Penthouse Boiler Rm- Pipe	Pipe Insulation	1	Peach, Fibrous
3rd FL-P-37	356516-037	Penthouse Boiler Rm- Pipe	Cover	2	White/Silver, Fibrous
3rd FL-P-37	356516-037	Penthouse Boiler Rm- Pipe	Cover	2	White/Silver, Fibrous

ASBESTOS NOT DETECTED

KELLCO #	LAB #	SAMPLE LOCATION	MATERIAL	LAYER	DESCRIPTION
3rd FL-P-37	356516-037	Penthouse Boiler Rm- Pipe	Cover	2	White/Silver, Fibrous
3rd FL-P-37	356516-037	Penthouse Boiler Rm- Pipe	Cover	2	White/Silver, Fibrous
3rd FL-P-37	356516-037	Penthouse Boiler Rm- Pipe	Pipe Insulation	1	Peach, Fibrous
3rd FL-P-38	356516-038	Penthouse Boiler Rm	Pipe Material	1	White, Powdery
3rd FL-P-38	356516-038	Penthouse Boiler Rm	Pipe Material	1	White, Powdery
3rd FL-P-39	356516-039	Penthouse Boiler Rm- Pipe	Cover	2	White/Silver, Fibrous
3rd FL-P-39	356516-039	Penthouse Boiler Rm- Pipe	Pipe Insulation	1	Tan, Fibrous
3rd FL-P-39	356516-039	Penthouse Boiler Rm- Pipe	Pipe Insulation	1	Tan, Fibrous
3rd FL-P-39	356516-039	Penthouse Boiler Rm- Pipe	Cover	2	White/Silver, Fibrous
3rd FL-P-39	356516-039	Penthouse Boiler Rm- Pipe	Cover	2	White/Silver, Fibrous
3rd FL-P-39	356516-039	Penthouse Boiler Rm- Pipe	Cover	2	White/Silver, Fibrous
3rd FL-P-40	356516-040	Penthouse Boiler Rm	Pipe Material	1	White, Powdery
3rd FL-P-40	356516-040	Penthouse Boiler Rm	Pipe Material	1	White, Powdery
3rd FL-P-41	356516-041	Penthouse Boiler Rm	Insulation	1	Yellow, Fibrous
3rd FL-P-41	356516-041	Penthouse Boiler Rm	Insulation	1	Yellow, Fibrous
3rd FL-P-41	356516-041	Penthouse Boiler Rm	Cover	2	White, Fibrous
3rd FL-P-41	356516-041	Penthouse Boiler Rm	Cover	2	White, Fibrous
3rd FL-P-42	356516-042	Penthouse Boiler Rm- Pipe	Pipe Insulation	1	Yellow, Fibrous
3rd FL-P-42	356516-042	Penthouse Boiler Rm- Pipe	Cover	2	Brown/Silver, Fibrous
3rd FL-P-42	356516-042	Penthouse Boiler Rm- Pipe	Cover	2	Brown/Silver, Fibrous
3rd FL-P-42	356516-042	Penthouse Boiler Rm- Pipe	Cover	2	Brown/Silver, Fibrous
3rd FL-P-42	356516-042	Penthouse Boiler Rm- Pipe	Pipe Insulation	1	Yellow, Fibrous
3rd FL-P-42	356516-042	Penthouse Boiler Rm- Pipe	Cover	2	Brown/Silver, Fibrous
Roof-M-43	356516-043	Roof- Fan- NW End	Sealant	1	Gray, Soft
Roof-M-44	356516-044	Roof- Fan- S End	Sealant	1	Gray, Soft
Roof-M-44	356516-044	Roof- Fan- S End	Sealant	2	Black, Soft

- Paint Findings**

Lead samples were analyzed by Atomic Absorption in Schneider Laboratories Global. OSHA requires protection of workers from exposure to any lead. Paint should be considered as containing lead if it is the same color as any positive tested material, unless it has specifically been tested and shown to be **below the detection limit** for lead.

The following materials tested **positive** for lead:

LEAD FOUND ABOVE DETECTION LIMIT				
KELLCO #	LAB#	DESCRIPTION	LEAD	UNITS
10th FL-Pb-03	356515-003	10th FL Stairwell Off Wht	52.7	mg/kg

LEAD FOUND ABOVE DETECTION LIMIT				
KELLCO #	LAB#	DESCRIPTION	LEAD	UNITS
10th FL-Pb-04	356515-004	Apt 404/1005 Door Org/Blk	229	mg/kg
1621-Pb-01	349796-001	Interior Door Frames – off white	134	mg/kg
1621-Pb-02	349796-002	Interior Wall-Apts. – off white	112	mg/kg
1621-Pb-03	349796-003	Exterior Wall-Tower Lower - tan	63.7	mg/kg
404-Pb-01	356515-001	Apt 404 Bedrm Win Tan	31.1	mg/kg
404-Pb-02	356515-002	Apt 404/1005 Bathrm Yell	2490	mg/kg
Roof-Pb-05	356515-005	Roof Stair Pole Off Wht	12400	mg/kg

Paint of the same color as the above samples should be considered positive unless proven otherwise by direct sampling with results of “Below the Detection Limit.”

The following are materials for which the lead was **below the detection limit**:

LEAD NOT FOUND ABOVE DETECTION LIMIT				
KELLCO #	LAB#	DESCRIPTION	LEAD	UNITS
1621-Pb-04	349796-004	Exterior Wall-Tower Upper tan	< 31.1	mg/kg
1621-Pb-05	349796-005	Window Sealant grey	< 30.8	mg/kg
1621 3rd FL-Pb-01	348238-001	3rd Floor Corridor- Walls - white	< 32.5	mg/kg

Although there are some materials that are negative or below the detection limit for lead paint, for the purposes of renovation and demolition it is recommended that all painted materials be considered as lead containing.

- **PCB's**

Various types of building materials are known to contain PCB's. Light fixtures with fluorescent bulbs and ballasts that may contain PCB's. Sealants, roofing materials, mastics, etc. are considered as hazardous materials if they contain PCB's at great than 50 parts per million (PPM).

The sealant tested at this jobsite had no PCB's greater than the analytical limit of detection.

PCB TEST RESULTS					
KSI #	LAB #	Description	ANALYTE	CONC	UNITS
1005-PCB's-02	356517-002	Apt. 1005-Living Rm. Tan	Aroclor - 1016	< 405000	µg/kg
1005-PCB's-02	356517-002	Apt. 1005-Living Rm. Tan	Aroclor - 1221	< 405000	µg/kg
1005-PCB's-02	356517-002	Apt. 1005-Living Rm. Tan	Aroclor - 1232	< 405000	µg/kg
1005-PCB's-02	356517-002	Apt. 1005-Living Rm. Tan	Aroclor - 1242	< 405000	µg/kg
1005-PCB's-02	356517-002	Apt. 1005-Living Rm. Tan	Aroclor - 1248	< 405000	µg/kg
1005-PCB's-02	356517-002	Apt. 1005-Living Rm. Tan	Aroclor - 1254	< 405000	µg/kg
1005-PCB's-02	356517-002	Apt. 1005-Living Rm. Tan	Aroclor - 1260	< 405000	µg/kg

PCB TEST RESULTS					
KSI #	LAB #	Description	ANALYTE	CONC	UNITS
1005-PCB's-02	356517-002	Apt. 1005-Living Rm. Tan	Aroclor - 1262	< 405000	µg/kg
1005-PCB's-02	356517-002	Apt. 1005-Living Rm. Tan	Aroclor - 1268	< 405000	µg/kg
1621-PCB's-01	349797-001	Window Sealant Apt. 1310	Aroclor - 1016	< 450	µg/kg
1621-PCB's-01	349797-001	Window Sealant Apt. 1310	Aroclor - 1221	< 450	µg/kg
1621-PCB's-01	349797-001	Window Sealant Apt. 1310	Aroclor - 1232	< 450	µg/kg
1621-PCB's-01	349797-001	Window Sealant Apt. 1310	Aroclor - 1242	< 450	µg/kg
1621-PCB's-01	349797-001	Window Sealant Apt. 1310	Aroclor - 1248	< 450	µg/kg
1621-PCB's-01	349797-001	Window Sealant Apt. 1310	Aroclor - 1254	< 450	µg/kg
1621-PCB's-01	349797-001	Window Sealant Apt. 1310	Aroclor - 1260	< 450	µg/kg
1621-PCB's-01	349797-001	Window Sealant Apt. 1310	Aroclor - 1262	< 450	µg/kg
1621-PCB's-01	349797-001	Window Sealant Apt. 1310	Aroclor - 1268	< 450	µg/kg
404-PCB's-01	356517-001	Apt. 404-Bedroom Tan	Aroclor - 1016	< 463000	µg/kg
404-PCB's-01	356517-001	Apt. 404-Bedroom Tan	Aroclor - 1221	< 463000	µg/kg
404-PCB's-01	356517-001	Apt. 404-Bedroom Tan	Aroclor - 1232	< 463000	µg/kg
404-PCB's-01	356517-001	Apt. 404-Bedroom Tan	Aroclor - 1242	< 463000	µg/kg
404-PCB's-01	356517-001	Apt. 404-Bedroom Tan	Aroclor - 1248	< 463000	µg/kg
404-PCB's-01	356517-001	Apt. 404-Bedroom Tan	Aroclor - 1254	< 463000	µg/kg
404-PCB's-01	356517-001	Apt. 404-Bedroom Tan	Aroclor - 1260	< 463000	µg/kg
404-PCB's-01	356517-001	Apt. 404-Bedroom Tan	Aroclor - 1262	< 463000	µg/kg
404-PCB's-01	356517-001	Apt. 404-Bedroom Tan	Aroclor - 1268	< 463000	µg/kg

- **Mercury**

Fluorescent light tubes are known to contain mercury and must be recycled prior to demolition.

- **Other Hazardous Materials**

The building contains light fixtures with fluorescent bulbs and ballasts that may contain PCB's. These should be handled in accordance with regulations.

It is also anticipated that the fluorescent light tubes that contain mercury. When they are to be removed, they should be recycled properly

Tim check on this or have it removed: Thermostats were observed throughout the building are suspected of containing mercury and each one should be checked prior to disposal.

Regulatory Requirements

The Environmental Protection Agency (EPA) defines Asbestos Containing Material as any material that contains greater than 1% asbestos. Materials containing greater than 1% asbestos must be removed prior to demolition or renovation if they will be disturbed.

Friable asbestos containing material is any material that can be crushed or pulverized by hand pressure when dry, or materials that can be rendered to a crumbled, pulverized, or powdered state when dry by crushing, sanding, sawing, shot blasting, or through demolition or renovation activities.

As stated by NESHAP regulations, any material that contains less than 10% asbestos using the visual estimation method can be point counted with gravimetric reduction. The Point Counting method is a much more accurate analytical method for determining the percent of asbestos in a particular material. If the Point Count method determines that the material contains less than 1% asbestos, the material being analyzed can be disposed of as a non-hazardous asbestos containing construction waste.

Removal or disturbance of material with any detectable amount of asbestos must be handled in accordance with OSHA regulations. Cal-OSHA registration is required if the material contains more than .1% asbestos (1/10th of a percent). If there is more than 100 feet (linear or square) of an asbestos containing material that will be abated or disturbed, a California State registered, and licensed asbestos abatement contractor must perform the work. If there is less than 100 feet, the work does not require a licensed asbestos abatement contractor but must still conform to Cal-OSHA regulations.

Removal or disturbance of any amount of lead paint requires adherence to the Cal-OSHA and CDPH regulations, including proper training and certification for workers and supervisors

The OSHA lead (1532) regulations require that a Negative Initial Determination for lead exposure be made with paint that contains greater than 0.06% (600 ppm) of lead. Paint with less than 0.06% lead should still be treated within the OSHA guidelines, but with reasonable work practices should not generate OSHA action levels of lead exposure.

Building components with intact lead paint and no other hazardous materials can be disposed of as non-hazardous construction waste. Paint chips and debris must be disposed of as lead containing hazardous waste.

PCB's greater than 50ppm are a regulated hazardous material.

Comment Regarding All Asbestos Containing Materials:

Asbestos containing materials in good condition do not necessarily need to be removed unless they will be disturbed; they should however be respected.

Employees, contract workers and others should be advised not to drill, saw, scrape or otherwise disturb this material without taking precautionary measures appropriate to asbestos containing material.

Asbestos containing material should be removed prior to the renovation and must be removed prior to demolition.

Comment Regarding All Lead Containing Materials:

Lead is a known health hazard. Lead containing materials in good condition do not necessarily need to be removed if they are not disturbed; they should however be respected.

Painted surfaces that contain lead should be made known to contractors who may disturb them during their work. OSHA guidelines for workers in contact with lead paint apply if ANY detectable lead is found.

Anyone coming in contact with leaded paint should be advised not to disturb it without taking precautionary measures appropriate to avoid lead contamination or lead exposure.

Areas Needing Immediate Corrective Action

Asbestos (in any condition) and chipping and peeling lead paint should be removed prior to renovation and must be removed prior to demolition of the survey site.

Analytical Procedures

- ***POLARIZED LIGHT MICROSCOPY (PLM)***

Bulk samples were analyzed in accordance with U.S. EPA "Test Method for Determination of Asbestos in Bulk Building Materials, 1993," with inclusion of area percent estimates of the sample components. The use of the McCrone Color Dispersion Staining Technique supplements the analysis when considered useful by the analyst. The samples are prepared with refractive immersion oil and are examined under Polarized Light Microscopy (PLM). The accuracy of the visual estimate method is 1%.

As per the standard "...The accuracy in the determination of the presence or absence of asbestos of greater than 1 area percent asbestos is greater than 99%." ASTM Committee D22.05, 1/18/88, *Standard Method of Testing for Asbestos Containing Materials by Polarized Light Microscopy*. If the sample matrix is reduced to minimize non-asbestos components, the detection limit can be mathematically enhanced, based on the amount of material remaining after matrix reduction. This method is called gravimetric reduction. This method involves ashing and chemical dissolution of the sample.

- ***POINT COUNTING***

The Point Counting method is a much more accurate analytical method for determining the percent of asbestos in a particular material. The laboratory uses a muffle furnace to ash the sample and remove organic compounds. Hydrochloric acid is used to dissolve some of the non-asbestos minerals. Under this method a minimum of 125 points are counted from each of 8 different slide preparations of the same sample (total of 1000 points min.) If the **Point Count Method** determines that the material contains less than 1% asbestos, the material being analyzed can be treated as non-hazardous asbestos containing construction waste. **Note: ONLY the Point Count Method can be used for this determination.**

- ***ATOMIC ABSORPTION FOR LEAD***

Paint samples were collected for atomic absorption (AA) analysis. The detection limit for each sample depends upon many factors including the sensitivity of the instrument and the sample size. In the laboratory utilizing flame AA, the detection limit is normally .01% or 100 parts per million (ppm).

- ***PCB - GAS CHROMATOGRAPH WITH ELECTRON CAPTURE DETECTOR (GC-ECD)***

PCB Extraction is achieved by weighing approximately one gram of the given material into a 20mL vial and then adding 10mL of hexane. This vial is then shaken on a wrist-action shaker for one hour and then taken off and left to settle for a short period of time. If possible, once the material has settled an acid clean-up is performed using approximately 5mL of Sulfuric acid to remove possible contaminants. From this point approximately 1mL of the hexane extract is put into a 2mL crimp top vial and then sealed. This vial is then run and analyzed via GCECD with the use of an auto sampling system attached to the inlet of the GCECD.

- ***CAM 17 HEAVY METALS***

CAM17 samples are analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES Analysis). ICP-OES is a trace-level, elemental analysis technique that uses the emission spectra of a sample to identify, and quantify the elements present. Samples are introduced into the plasma in a process that desolvates, ionizes, and excites them. The constituent elements can be identified by their characteristic emission lines, and quantified by the intensity of the same line

- ***MERCURY - COLD VAPOR ATOMIC ABSORPTION***

Cold Vapor Atomic Absorption (CVAA) is a type of atomic absorption spectrometry where no vaporization step is required because the sample is a volatile heavy metal such as mercury, which is a vapor at room temperature.

KELLCO Qualifications

The KELLCO asbestos inspector is licensed with the State of California Department of Occupational Safety and Health (CAL-OSHA).

The KELLCO lead inspector is licensed by the California Department of Public Health (CDPH)

The following supporting documents are attached to this report:

- Laboratory analytical reports
- Photographs of sample locations
- Floor plan or sketch showing sample locations

Please call KELLCO if there are any questions and/or clarifications regarding this report. We look forward to working with you in the future.

Sincerely,

KELLCO Services, Inc.



Tim C. Cannard CAC #94-1395, CDPH Lead #764
Senior Project Manager

Asbestos Definitions and Classifications

ACM	(Asbestos Containing Material) – Commercial asbestos product containing more than 1% asbestos. ACM must be disposed as hazardous waste. Note: Federal OSHA and Cal-OSHA control materials containing any amount of asbestos.
ACBM	(Asbestos Containing Building Material) – AHERA/ASHARA term for material containing more than 1% asbestos in or on interior structural members or other structural components. Includes covered walkways, porticos and exterior HVAC TSI.
ACCM	(Asbestos Containing Construction Material) – California term for a manufactured construction material containing greater than .1% (one tenth of one percent) asbestos.
PACM	(Presumed Asbestos Containing Material) OSHA considers all TSI and surfacing materials installed prior to 1980 to be ACM unless proven otherwise.
Friable	Asbestos Containing Material that can be crumbled pulverized or reduced to powder by hand pressure when dry.
NOA	Naturally Occurring Asbestos. CARB defines as having >.25% by point counting.
Acm	CARB term for naturally occurring asbestos >.25% by point counting
DACM	Designated Asbestos Containing Material: Floortile installed before 1981

Categories of Asbestos Used BY EPA AHERA/ASHARA and OSHA/Cal-OSHA

TSI	(Thermal System Insulation) - “Thermal system insulation (TSI)” means ACM applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain. “Thermal system insulation ACM” is thermal system insulation which contains more than 1% asbestos.
SURFACING (usually mixed on site at time of application)	“Surfacing material” means material that is sprayed, troweled-on or otherwise applied to surfaces (such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, and other purposes). “Surfacing ACM” means surfacing material which contains more than 1% asbestos. NOTE: OSHA/Cal-OSHA do not classify skim coat, taping mud, floor tile mastic, stucco, leveling compound, and hard wall plasters or wall texturing as surfacing. EPA says joint compound used as a skim coat IS surfacing.
MISC.	All other ACM, including classify taping mud, floor tile mastic, stucco, leveling compound, and hard wall plasters or wall texturing as surfacing.

NESHAPS Categories for Asbestos (used by Air Quality Management Districts for Renovation and Demolition)

Category I	Cat I Non-friable Asbestos Containing Material (ACM) refers to asbestos containing packing, gaskets, floor tile & resilient floor covering, Galbestos, and asphalt roofing products containing more than 1% asbestos. (bendable)
Category II	Cat II Non-friable Asbestos-Containing Material (ACM) is any material that is not Cat I that contains greater than 1% asbestos. (brittle)
RACM	“Regulated Asbestos-Containing Material.” – Friable manufactured asbestos material (ACM) or a Category I non-friable ACM that has become friable OR a Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading OR Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations. RACM should be removed prior to renovation or demolition.

Characterization of Asbestos Containing Materials

Material	Estimated Quantity	TSI	Surfacing	Misc	RACM	Cat I	Cat II