

Asbestos Alert

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Prepared for UBC Point Grey Campus



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Asbestos Alert - Introduction

This document does not provide a list of all asbestos materials, within UBC Buildings but a selection of the larger construction materials commonly encountered at UBC. The tables in this report refer to the known asbestos materials and building materials that are known to be non-asbestos containing due to sufficient sampling of the materials. Please be aware that in many buildings the same material is usually a combination of asbestos containing and non-asbestos-containing materials due to renovations. Contact Asbestos Management Program for assessment.

Please Note: It is a WorkSafeBC requirement that all work conducted at UBC on Asbestos Containing Materials is recorded. Asbestos work is logged by the Asbestos Management Program (AMP) either under the university's SNOA (see Section 14.0), or by the filing of a NOA with WorkSafeBC. Please inform the Asbestos Management Program of ALL work on asbestos materials.

For more detailed information regarding asbestos containing materials, contact the Asbestos Management Program at 822-8772 or guy.champagne@ubc.ca.

Spray/Troweled Insulation and Textured Coat

Section 1.0 Asbestos Containing Spray/Troweled Insulation

Asbestos-containing spray or troweled insulation can be found in the following buildings. Spray/troweled insulation is a friable asbestos material. Disturbance of the insulation may only be conducted by a qualified asbestos abatement contractor.

Asbestos Spray Troweled	BLDG #	Comments
Earth and Ocean Sciences (EOS)	402	At pipe penetration/between floors & Inside enclosed pipe chases
Leon and Thea Koerner University Centre and Addition	344 and 344-1	Grey mortar parging cement on exterior walls on blue foam insulation joints. Overspray is also present on some walls and above-ceiling spaces
Music	575	Above ceiling spaces and wall voids (Sprayed on beams and columns) Overspray has been observed on exterior perimeter walls.
SUB (Student Union Building)	790	Spray insulation remain in some location contact asbestos management program for assessment and known locations

Section 2.0 Asbestos Containing Texture Coat Ceilings

The following buildings contain asbestos texture coat ceilings. Texture coat is a friable asbestos material. UBC personnel will generally not disturb texture coat, however, painters may paint texture coat ceilings providing that they have previously been painted, and a NOPA must be filed by the Asbestos Management Program no fewer than 24 hours prior to work commencing.

Asbestos Texture Coat Ceiling	BLDG #	Comments
Cecil Green Park Coach House	421	Room 100, 1 sample with trace above main entrance door
Earth and Ocean Sciences (EOS) Office Block	403	Throughout building.
Henning's Building	652, 652-1	Rooms 102, 102A, 111, 208B, 225, 300A, 300B and 317. Is also be present at random under glued 1x1 ceiling tiles.
J.B. Macdonald (Dentistry)	198	Lower level (basement) Minimal amounts of overspray is also found at random throughout the building.
Leon and Thea Koerner University Centre and Addition	344 and 344-1	Blue gray texture coat remains in room 140B (electrical room) and in other areas as overspray on walls and above-ceiling spaces
Museum of Anthropology	570	Original Building
Music	575	Practice rooms (under ceiling tiles)
St. Marks College	828	Mostly removed need further investigation (Non-UBC controlled building)
Student Union Building (Sub) and additions	790	Overspray and small hidden areas may still be present.
Thea Koerner House and Addition	408 and 409	Remains in some corridors, stairwells and Lounge may also be present in other concealed areas
The Leonard S.Klinck Building and Addition	308 and 308-1	Corridors and some rooms Partially removed texture coat ceilings are also present above ceilings tiles.
Thunderbird Stadium	785	Change rooms asbestos mud applied to canvas mats on seams and pins. On ceiling
Wesbrook Building	864	Some corridors on all floors and some rooms.

Drywall Taping Compound

Section 3.0 Asbestos Containing Drywall Taping Compound

The following buildings have Asbestos Containing drywall taping compound. UBC personnel may perform limited work on asbestos drywall. The Asbestos Management Program is required to log all work performed on asbestos containing drywall. Procedures can be obtained from the Supervisor or AMP.

Asbestos Containing Drywall	BLDG#	Comments
Ansoc-Anthropology and Sociology	048	All original walls
Ansoc-Isabel Macinnes	876-1	Minimal amount Contact AMP for locations
Ansoc-Mary Murrin	880	Minimal amount Contact AMP for locations
Auditorium Annex "A"	045	
Barn (Daycare)	051	Behind texture finish on walls and ceilings
Berwick Memorial Centre	858	
Campus & Community Planning 1	643	
Campus & Community Planning II	029	Basement asbestos free
Cecil Green Park Coach House	421	
Civil and Mechanical Engineering Building	306	
Civil and Mechanical Engineering Laboratories	307	
Chemistry Building Complex Block C (South)	148	Minimal amount Contact AMP for locations
Earth and Ocean Sciences-Main	402	
Earth and Ocean Sciences-Offices	403	
Lasserre (Frederick Lasserre)	028	Basement, first and second floors have non-asbestos drywall
George Cunningham Building Addition	624	

Asbestos Containing Drywall	BLDG#	Comments
Geography	401	
Hennings and Addition	652, 652-1	
Henry Angus Building Addition	026	ACM Drywall remains not all removed during last major renovation.
Instructional Resource Centre (IRC)	473	
*Kaiser Building	313	Ground floor former CEME building section only
Landscape Architecture Annex	021	Minimal amount Contact AMP for locations
Lower Mall Research Station	022	Room 122 only
MacMillan (H.R. MacMillan)	386	Minimal amount Contact AMP for locations
Mathematics Annex	519	Minimal amount Contact AMP for locations
Mathematics Building	518	Minimal amount Contact AMP for locations
Museum of Anthropology	570	ACM drywall remains in original building
Old Administration Building	017	
Old Fire Hall	380	
Ponderosa Office Annex A	865-1	
Ponderosa Office Annex B	865-2	
Ponderosa Office Annex C	865-3	
Ponderosa Office Annex E	871-2	
Ponderosa Office Annex F	871-3	
Robert F. Osborne Centre – Unit I	430	
Robert F. Osborne Centre – Unit II	431	
Rugby Pavilion	760	
*Sedgewick Library	515	The Sedgewick Library is located under the plaza section of Keorner Library
Stores Road Annex	669	Minimal amount Contact AMP for locations
Student Union Building	790	Contact AMP for suspect locations

Asbestos Containing Drywall	BLDG#	Comments
The Leonard S. Klinck Building and Addition	308, 308-1	
Theatre-Film Production Building	036	Minimal amount Contact AMP for locations
Thunderbird Stadium	785	
West Mall Annex	863-1	Minimal amount Contact AMP for locations

Section 3.1 Non-Asbestos Containing Drywall Taping Compound

Drywall taping compound in the following buildings has been sufficiently sampled and determined to be non-asbestos containing.

Non-Asbestos Containing Drywall	BLDG#	Comments
Acadia Community Center	011	
Ansoc-Anne Wesbrook	876-2	
Asian Centre	046	
Auditorium Annex Offices B	863-2	
B.C Binning Studios (Hut M17)	324	
Biological Sciences Complex		Buildings 063, 065, 066, 068, 069, 069-1, 069-2
Biomedical Research	461	
Buchanan Tower	120	Small amounts of asbestos containing red/brown and grey mastic has been found at random behind drywall and stud junction
Bookstore, Earth and Ocean Sciences Annex, Networks of Centres of Excellence	081, 081-1, 081-2	
Botanical Garden Centre-Gate House and Shop	097	
Botanical Garden Centre-Reception and Education	099	
Botanical Garden Centre-Garden Pavilion	091	
Botanical Gardens-Workshop	090	
Brock Hall-West Wing	112	

Non-Asbestos Containing Drywall	BLDG#	Comments
Buchanan Building Block A	121-1	
Buchanan Building Block B	121-2	
Buchanan Building Block C	121-3	
Buchanan Building Block D	122-1	
Buchanan Building Block E	122-2	
Coal and Mineral Processing Laboratory	184	
Cecil Green Park House	420	
Chemistry Building Complex Block D (Main)	132	
Chemistry Building Complex Block E (North)	136	
Dorothy Somerset Studios	320	
Douglass T. Kenny Building	732	Small amounts of asbestos containing black and grey mastic has been found at random behind drywall and stud junction with floor
Doug Mitchell Thunderbird Sports Centre and Addition	868, 868-1	
Environmental Services Facility-Incinerator	470	
Food, Nutrition and Health Building and Addition	449, 449-1	
Frank Forward Building	562	
Friedman and Freidman Addition	523-2, 525-2	
George Cunningham Building	625	
Henry Angus Building	023	
International House	472	
Irving K. Barber Learning Centre	516	
J.B. Macdonald Building	198	
Lower Mall Header House	024-5	

Non-Asbestos Containing Drywall	BLDG#	Comments
Lower Mall Research	022	Room 122 has two walls with ACM drywall the rest of the drywall in the building is non-asbestos containing.
Leon and Thea Koerner University Centre and Addition	344, 344-1	
Macleod Building	312	
Marry Bollert Hall	614	
Medical Block "C" and Addition	523-3,525-3	
Music Building	575	
Neville Scarfe Building-Classroom Block	240-1	
Neville Scarfe Building-Lecture Block	232	
Neville Scarfe Building- Office Block	240-2	
Norman Makenzie House	728	
Old Auditorium	044	
Place Vanier Residence-Aldyen Hamber House	896-4	
Place Vanier Residence-Dorothy Mawdsley House	896-1	
Place Vanier Residence-Gordon Shrum Common Block	544	
Place Vanier Residence-Kootenay House	548	
Place Vanier Residence-Margaret Mackenzie House	896-2	
Place Vanier Residence-Okanagan House	552	
Place Vanier Residence- Phyllis Ross House	896-3	
Place Vanier Residence-Sherwood Lett House	560	
Place Vanier Residence-Tweedsmuir House	545-2	

Non-Asbestos Containing Drywall	BLDG#	Comments
Ponderosa Office Annex "G"	873	
Pulp and Paper Centre	747	
Walter H. Gage Residence-Common Block	869-1	
Walter H. Gage Residence-Court	872-2	
Walter H. Gage Residence-East Tower	872-1	
Walter H. Gage Residence-North Tower	869-3	
Walter H. Gage Residence-South Tower	869-2	
War Memorial Gymnasium	428	
Wesbrook Annex	867	
Wesbrook Building	864	

Plaster

The following two sections detail the known distribution of Asbestos and Non-Asbestos Containing plaster in UBC Buildings. Any building that is not on section 4.0, 4.1 or on the New Building list [section 12](#) will require assessment prior to disturbance.

Section 4.0 Asbestos Containing Plaster

Asbestos containing plaster is known to be present in the following buildings. Procedures for working on asbestos containing plaster are similar to those for asbestos containing drywall and can be obtained from the Asbestos Management Program.

Asbestos Containing Plaster	BLDG#	Comments
Acadia Faculty Row Housing	014-1,2,3	
Ansoc-Isabel Macinnes Hall	876-1	Minimal amount Contact AMP for locations
Ansoc-Mary Murrin	880	Minimal amount Contact AMP for locations
Buchanan Block D	122-1	Exterior Breezeway textured ceilings only
Frederic Wood Theatre	376	Residue at wall and ceiling junction room 10A and <u>exterior</u> texture on concrete walls

Asbestos Containing Plaster	BLDG#	Comments
Lower Mall Header House	024-5	Residue on beams on second floor
Marry Bollert Hall	614	Room 11 (remnant wall/ceiling junction)
Place Vanier Residence-Cariboo House	545-1	
Place Vanier Residence-Kootenay House	548	
Place Vanier Residence- Magaret Mackenzie House	896-2	
Place Vanier Residence-Okanagan House	552	
Place Vanier Residence-Phyllis Ross House	896-3	
Place Vanier Residence-Robson	556	
St. Marks College	828	Mostly removed need further investigation (Non-UBC controlled building)
The Leonard S. Klinck Building	308	Room 209 north wall

Section 4.1 Non-Asbestos Containing Plaster

Plaster in the following buildings has been sufficiently sampled and determined to be non-asbestos containing.

Non-Asbestos Containing Plaster	BLDG#	Comments
Acadia Park Highrise	002-1	
Ansoc -Anne Wesbrook Hall	876-2	
Ansoc -Mary Murrin Hall	880	
Asian Centre	046	
Auditorium	044	
B.C. Binning	324	
Berwick Memorial Centre	858	
Brock Hall-West Wing	112	

Non-Asbestos Containing Plaster	BLDG#	Comments
Buchanan Block-A	121-1	Plaster with traces removed during renew project 2009, 2010
Buchanan Block-B and Addition	121-2, 121-4	
Buchanan Block-C	121-3	
Buchanan Block-D	122-1	Except exterior Breezeway ceilings
Buchanan Block-E	122-2	
Buchanan Tower	120	
Chemistry Building	132	
Chemistry Building-East Wing	144	
Chemistry Building-North Wing	136	
Chemistry Building-South Wing	148	
Dorothy Somerset Studios	320	
Doug Mitchell Thunderbird Sports Center and Addition	868, 868-1	
Environmental Services Facility-Incinerator	470	
Food, Nutrition and Health Building	449	
Frank Forward Building	562	
Frederic Lasserre Building	028	
Frederic Wood Theatre and Addition	376, 376-1	
Freidman Building and Addition	523-2, 525-2	
George Cunningham and Addition	624, 625	
Hebb Building	656	
Hennings Building and Addition	652, 652-1	
Henry Angus Building and Additions	023, 023-1, 026	
H.R. Macmillan	386	
International House	472	

Non-Asbestos Containing Plaster	BLDG#	Comments
Irving K. Barber Learning Centre	516	
J. B. Macdonald	198	
Landscape Architecture Annex	021	
Leon and Thea Koerner University Centre and Addition	344, 344-1	Leon and Thea Koerner University Centre and Addition
Lower Mall Research Station	022	
Macleod Building	312	
Mary Bollert Hall	614	Except mechanical room 11 small amount at ceiling junction
Mathematics Annex	519	
Mathematics Building	518	
Medical Block "C" and addition	523-3 ,525-3	
Museum of Anthropology and Koerner Gallery	570, 570-1	
Music Building	575	
Neville Scarfe-Classroom Block	240-1	
Neville Scarfe-Lecture Block	232	
Neville Scarfe-Office Block	240-2	
Norman Makenzie House	728	
Old Administration Building	017	
P.A. Woodward Instructional Resources Centre and Addition	473, 475	
Place Vanier Residence-Alden Hamber House	896-4	
Place Vanier Residence-Dorothy Mawdsley House	896-1	
Place Vanier Residence-Gordon Shrum Common Block	544	

Non-Asbestos Containing Plaster	BLDG#	Comments
Place Vanier Residence-Tweedsmuir House	545-2	
Place Vanier Residence-Sherwood Lett House	560	
Robert F. Osborne Centre-Unit 1	430	
School of Population & Public Health	513	
Sedgewick Library	515	Basement Of Keorner Library under plaza
Stores Road Annex	669	
Student Union Building	790	
Theatre-Film Production Building and Addition	036, 036-1	
Thea Koerner House and Addition	408, 409	
The Leonard S. Klinck Building and addition	308, 308-1	Except room 209 north wall
Thunderbird Stadium	785	
Totem Park Residence-Coquihala Common Block	540-1	
Totem Park Residence-Dene/Nootka House	540-2	
Totem Park Residence-Haida/Salish House	540-2	
Totem Park Residence-Kwakiutl/Shuswap House	565	
Wesbrook	864	
Wesbrook Annex-Animal Care Unit	867	
Woodward Biomedical Library and Addition	536, 536-1	

Roofing Materials

Section 5.0 Asbestos Containing Roofing Materials

Asbestos Containing roofing materials have been found in the following buildings. UBC may work on asbestos roofing materials. A NOPA must be filed with WorksafeBC no less than 24hrs prior to work commencing.

Asbestos Containing Roofing Materials	BLDG #	Comments
H.R. Macmillan Building	386	Unknown if original asbestos roofing was removed from wells
Leon and Thea Koerner University Centre and Addition	344 and 344-1	Asbestos roofing has been observed under balcony concrete unknown if all removed
Lower Mall Header House	024-5	Membrane may remain under parapets walls
Medical Block C	523-3	Asbestos roofing membranes remains under concrete pads
P. A. Woodward Instructional Resources CTR and Addition	473, 475	Original Asbestos roofing membranes and valleys mortar covered by new roofing assembly
SUB (Student Union Building)	790	Asbestos cement boards under copper sheeting
The Leonard S. Klinck Building and Addition	308, 308-1	Original Asbestos roofing membranes covered by new roofing assembly

Section 5.1 Non-Asbestos Containing Roofing Materials

Non-Asbestos Containing roofing materials have been found on one or more roof sections of the following buildings. However since some buildings below have multiple roof sections they **may require additional assessment**. Contact the Asbestos Management Program for more information.

Non-Asbestos Containing Roofing Materials	BLDG#	Comments
Acadia Park Highrise	002-1	
Acadia Family Housing Phase 2	009	All units 009-01 to 009-026
Acadia Family Housing Phase 3	010	All units 010-01 to 010-010
Acadia Community Centre	011	
Acadia House	450	All units 450-01 to 450-03

Non-Asbestos Containing Roofing Materials	BLDG#	Comments
Aquatic Centre	034	
Ambulance Station	539	
Anthropology and Sociology -Anne Wesbrook	876-2	
Anthropology and Sociology -Isabel Macinnes Hall	876-1	
Anthropology and Sociology- Mary Murin Hall	880	
Anthropology and Sociology Building	048	
Asian Centre	046	
Auditorium Offices Annex A	045	
Auditorium Offices Annex B	863-2	
B.C. Binning Studios	324	
Berwick Memorial Centre	858	
Biological Sciences Complex		Buildings 063, 065, 066, 068, 069, 069-1, 069-2
Bookstore	081	
Botanical Gardens-Lunchroom	078	
Brock Hall Annex	113	
Buchanan Building Block A	121-1	
Buchanan Building Block B	121-2	
Buchanan Building Block C	121-3	
Buchanan Building Block B Dean's Office	121-4	
Buchanan Building Block D	122-1	
Buchanan Building Block E	122-2	
Buchanan Tower	120	
Campus and Community Planning 1	643	
Campus and Community Planning 2	029	
Cecil Green Park Coach House	421	

Non-Asbestos Containing Roofing Materials	BLDG#	Comments
Cecil Green Park House	420	
Chemistry B Block-South Wing	148	
Chemistry C Block-East Wing	144	
Chemistry D Block-Centre Wing	132	
Chemistry E Block-North Wing	136	
Chemistry Storage	140	
Coal and Minerals Processing Laboratory	184	
Childcare Services Buildings	200 to 207	
Civil and Mechanical Engineering Building	306	
Civil and Mechanical Engineering Laboratories	307	
Dorothy Somerset Studios	320	
Doug Mitchell Thunderbird Sports Centre and Addition	868, 868-1	
Douglas Kenny Building	732	
Earth and Ocean Sciences-Main	402	
Earth and Ocean Sciences-South	403	
Environmental Services Facility-Incinerator	470	
Fairview Crescent Student Housing	007	All unit 007-00 to 007-35
Frank Forward Building	562	
Freddy Wood Theatre and Addition	376, 376-1	
Freidman Building and Addition	523-2, 525-2	
Geography Building	401	
George Cunningham Building	625	
George Cunningham Building Addition	624	
Green College-Graham House, Commons and Coach House	412	
Hebb	656	

Non-Asbestos Containing Roofing Materials	BLDG#	Comments
Henry Angus Building	023	
Henry Building Addition	026	
Horticulture Building	456	
International House	472	
Irving K. Barber Learning Centre	516	
J.B. Macdonald	198	
Landscape Architecture Annex	021	
Lower Mall Research Station	022	
Leon and Thea Koerner University Centre and Addition	344, 344-1	
Macleod	312	
Mathematics Building	518	
Mathematics Annex Building	519	
Mary Bollert Hall	614	
Museum of Anthropology and Keorner Gallery	570, 570-1	
Music Building	575	
Neville Scarfe Building Classroom Block	240-1	
Neville Scarfe Building Lecture Block	232	
Neville Scarfe Building Office Block	240-2	
Old Administration Building	017	
Old Auditorium	044	
Old Fire Hall	380	
Place Vanier Residence-Gordon Shrum Common Block	544	
Place Vanier Residence-Cariboo House	545-1	
Place Vanier Residence-Tweedsmuir House	545-2	
Place Vanier Residence-Kootenay House	548	

Non-Asbestos Containing Roofing Materials	BLDG#	Comments
Place Vanier Residence-Okanagan House	552	
Place Vanier Residence-Robson House	556	
Place Vanier Residence-Sherwood Lett House	560	
Place Vanier Residence-Dorothy Mawdsley House	896-1	
Place Vanier Residence-Margaret Mackenzie House	896-2	
Place Vanier Residence-Phyllis Ross House	896-3	
Place Vanier Residence-Alden Hamber House	896-4	
Plant Science Field Station	666	
Plant Science Garage	667	
Ponderosa Office Annex "A"	865-1	
Ponderosa Office Annex "B"	865-2	
Ponderosa Office Annex "C"	865-3	
Ponderosa Office Annex "E"	871-2	
Ponderosa Office Annex "G"	873	
Robert F. Osbourne Centre-Unit I	430	
Robert F. Osbourne Centre-Unit II	431	
School of Population & Public Health	513	
South Campus Warehouse	638	
Thea Keorner House	408	
Thunderbird Stadium	785	
Totem Park Residence-Coquihala Commons	540-1	
Totem Park Residence-Haida/Salish House	540-2	
Totem Park Residence-Dene/Nootka	540-3	
Totem Park Residence-Kwakiutl/Shuswap	565	
Vancouver School of Theology-Iona Building	836	

Non-Asbestos Containing Roofing Materials	BLDG#	Comments
Walter H. Gage Residence-Common Block	869-1	
Walter H. Gage Residence-South Tower	869-2	
Walter H. Gage Residence-North Tower	869-3	
Walter H. Gage Residence-East Tower	872-1	
Walter H. Gage Residence-Court	872-2	
Walter H. Gage Residence-Apartments	874	
War Memorial Gymnasium	428	
Wesbrook Building	864	
Wesbrook Building Annex	867	
West Mall Annex	863-1	
Woodward Biomedical Library and Addition	536, 536-1	

Window Glazing Putty

The following two sections detail the known distribution of Asbestos and Non-Asbestos Containing glazing putty in UBC Buildings. Any building that does not appear on either list will require assessment prior to disturbance with the exception of buildings listed on “Buildings without Asbestos Products”.

Section 6.0 Asbestos Containing Window Glazing Putty

The following buildings have been determined to have Asbestos Containing window glazing putty. Trained UBC may perform removal of glazing putty to facilitate the replacement of broken windowpanes. Check with Asbestos Management Program prior to removing window frames as some of assemblies have Asbestos Containing Caulking. All work must be logged under Building Operations SNOA.

Asbestos Containing Window Glazing Putty	BLDG#	Comments
Asian Centre	046	Interior side of window
Auditorium Annex Offices A	045	Interior side of window
Auditorium	044	Lower windows only
Ansoc-Anne Wesbrook	876-2	

Asbestos Containing Window Glazing Putty	BLDG#	Comments
Ansoc -Isabel Macinnes	876-1	<u>Interior windows only</u>
Ansoc -Mary Murrin Hall	880	
B.C. Binning Studios	324	
Cecil Green Park House	420	
Chemistry Block D Centre Wing	132	
Chemistry Block E North Wing	136	Interior side of window
Chemistry Block B South Wing	148	
Coal and Mineral Processing Laboratory	184	
Earth and Ocean Sciences-Main	402	Grey and Black glazing strips
Earth and Ocean Sciences-South	403	Grey and Black glazing strips
Frederic Wood Theater and Addition	376. 376-1	
Frank Forward Building	562	
Geography Building	401	
George Cunningham Building Addition	624	
Henry Angus	023	Original windows only
Henry Angus Addition	026	Original windows only
J.B. Macdonald	198	
Lower Mall Research Station	022	
Leon and Thea Keorner University Centre and Addition	344, 344-1	
Mathematics Building	518	
Music Building	575	
Neville Scarfe Building Classroom Block	240-1	
Rugby Pavilion	760	

Asbestos Containing Window Glazing Putty	BLDG#	Comments
Sedgwick Library	515	
South Campus Warehouse	638	
The Leonard S. Klinck Building and Addition	308, 308-1	
Thunderbird Stadium	785	
War Memorial Gymnasium	428	
Walter H. Gage Residence-North Tower	896-3	Ground floor original windows only
Walter H. Gage Residence-South Tower	869-2	Ground floor original windows only
Walter H. Gage Residence-East Tower	872-1	Ground floor original windows only
Walter H. Gage Residence-Residence Court	872-2	Original Windows only

Section 6.1 Asbestos Containing Window Glazing Putty

The following buildings have been determined to have Non-Asbestos Containing window glazing putties in all windows. No special work procedures are required to work on these materials.

Non-Asbestos Containing Window Glazing Putty	BLDG#	Comments
Biological Sciences Complex		Buildings 063, 065, 066, 068, 069, 069-1, 069-2
Buchanan Building Block A	121-1	
Buchanan Building Block B	121-2	
Buchanan Building Block C	121-3	
Buchanan Building Block B Dean's Office	121-4	
Buchanan Building Block D	122-1	
Dorothy Somerset Studios	320	
Douglas Kenny Building	732	
Freidman and Freidman Addition	523-2, 525-2	

Non-Asbestos Containing Window Glazing Putty	BLDG#	Comments
Food Nutrition and Health Building	449	
George Cunningham Building	625	
International House	472	
Landscape Architecture Annex	021	
Lower Mall Header House	024-5	
MacMillan	386	
Macleod Building	312	
Museum of Anthropology	570	
Neville Scarfe Building-Office Block	240-2	
Norman Mackenzie House	728	
Old Fire Hall	380	
Place Vanier Residence-Aldyen Hamber House	896-4	
Place Vanier Residence-Caribou House	545-1	
Place Vanier Residence-Dorothy Mawdsley House	896-1	
Place Vanier Residence-Gordon Shrum Common Block	544	
Place Vanier Residence-Kootenay House	548	
Place Vanier Residence-Margaret Mackenzie House	896-2	
Place Vanier Residence-Okanagan House	552	
Place Vanier Residence-Phyllis Ross House	896-3	
Place Vanier Residence-Robson House	556	
Place Vanier Residence-Sherwood Lett House	560	
Place Vanier Residence-Tweedsmuir House	545-2	
Totem Field Studios	668	

Fire Doors and Pipe Chase Covers

Section 7.0 Asbestos Containing Fire Doors and Pipe Chase Covers

The following buildings have been found to containing asbestos core fire doors and Pipe Chase Covers. UBC Building Operations locksmiths are permitted to work on asbestos fire doors. All work must be logged under the Building Operations SNOA. Safe Work Procedures may be obtained from the AMP.

Asbestos Containing Door Cores	BLDG#	Comments
Buchanan Tower	120	
Freddy Wood and Addition	376, 376-1	Large black sliding by workshop and green sliding door on stage to hallway
Hennings Building	652	
International House	472	Mechanical room
H.R. Macmillan Building	386	Pipe chase covers in hallways and some labs
Purdy Pavilion	462	Non-UBC Building Check with VCH Facility Manager

Light Shield

Section 8.0 Asbestos Containing Light Shield

Asbestos Containing light shields have been found in the following buildings. UBC Building Operations personnel may remove these materials if they can be removed intact and without cutting the shield. A NOPA **must** be filed with WorksafeBC no fewer than 24hrs prior to work commencing.

Asbestos Containing Light Shields	BLDG#	Comments
Buchanan Block E	122-2	Washrooms
Music Building	575	

Flooring – Tiles and Linoleums

Section 9.0 Asbestos Containing Floor Tiles and Sheet Linoleums

Asbestos Containing floor tiles and sheet floor linoleums are too numerous to list and are present in almost all buildings before 1986. Please be aware that they can be concealed by carpets or other types on non-asbestos flooring. Known floor tiles and sheet floor linoleums locations can be obtained from the asbestos management program.

Mechanical and Duct Insulation and Duct Mastic

Section 10.0 Asbestos Containing Mechanical Insulation and Duct Mastic and Insulation

Asbestos Containing Mechanical Insulation and Duct Mastic and Duct Insulation are too numerous to list and are found as a mixture of asbestos and non-asbestos containing in almost all buildings before 1979 for mechanical insulation and duct insulation and up to 1996 for duct mastics. Known Locations of these materials can be obtained from the asbestos management program or assessment/sampling will be required.

Exterior Stucco

Section 11.0 Asbestos Containing Exterior Stucco

Asbestos Containing exterior stucco has been observed in the following buildings. A NOPA **must** be filled with WorksafeBC no fewer than 24hrs prior to work commencing. If any work requires the disturbance of the stucco contact Asbestos Management Program for instruction.

Asbestos Containing Exterior Stucco	BLDG#	Comments
Buchanan Block D	122-1	Exterior Plaza Ceilings Textured Stucco
Frederic Wood Theatre	376	Thin mortar layer on concrete and stucco by south end

Vermiculite

Section 12.0 Asbestos Containing Vermiculite

Asbestos Containing vermiculite has been observed in the following buildings. If this material is to be impacted by work activities or requires removal. Only qualified **Asbestos Abatement Contractors can perform work on vermiculite.**

Asbestos Containing Vermiculite	BLDG#	Comments
Biological Sciences- North Wing	066	Some may remain within cinder blocks in staircase to Penthouse and wall of former greenhouse adjacent to elevator
Biological Sciences Workshops	069, 069-1, 069-2	Vermiculite found in exterior walls cinder blocks. Further surveying required
P.A. Woodward Instructional Resources Centre and addition	473, 475	Within window glazing assemblies and door frames
Woodward Biomedical Library	536	Within window glazing assembly and frames at library entrance from IRC

Buildings – No Architectural Asbestos Containing Products

Section 13.0 Buildings without Architectural Asbestos Containing Products

The following buildings were constructed after 1985 and contain no suspect Architectural asbestos containing materials. However building constructed between 1985 and 1998 may have asbestos containing gaskets and duct mastic. Please check UBC Key plans prior to working in the buildings listed below as many of them are additions to an existing building with asbestos containing materials. No special work procedures are required for working on no-asbestos containing materials.

Buildings without <u>Architectural</u> Asbestos Products	BLDG#	Construction date
99 CHAIRS/TREK EXPRESS	490-1	1992
ABDUL LADHA SCIENCE CENTRE	654	2006

Buildings without <u>Architectural</u> Asbestos Products	BLDG#	Construction date
ACADIA COMMUNITY CENTRE	011	1989
ACADIA FAMILY HOUSING PHASE II - UNIT 1 to 26	009-01 to 26	1988
ACADIA FAMILY HOUSING PHASE III - UNIT 1 to 10	010-01 to 10	1989
ACADIA HOUSE – 2700, 2710 and 2720	450-1,2, 3	1991
ALLARD HALL	482	2011
ALUMNI BUILDING	797	2015
AMBULANCE STATION	539	1991
AQUATIC ECOSYSTEMS RESEARCH LABORATORY	316	2005
ATHLETICS WASHROOM FACILITIES	860	2011
BEATY BIODIVERSITY CENTRE	314	2009
BIOENERGY RESEARCH AND DEMONSTRATION FACILITY	019	2012
BIOLOGICAL ARCHIVE CENTRE	846	2008
BIOMEDICAL RESEARCH CENTRE	461	1987
BOTANICAL GARDEN CENTRE - CAMPBELL BUILDING	098	1990
BOTANICAL GARDEN CENTRE - GATE HOUSE AND SHOP-IN-THE-GARDEN	097	1990
BOTANICAL GARDEN CENTRE - LOOKOUT TOWER	100	1990
BOTANICAL GARDENS SCHOLARS' RETREAT	076	1986
BOTANICAL GARDEN CENTRE - RECEPTION AND EDUCATION CENTRE	099	1990
BROCK HALL - EAST WING	112-1	1993
BUILDING OPERATIONS - NURSERY	768	2009
BUILDING OPERATIONS EXTERIOR STORAGE SHED	646	1992
C. K. CHOI BUILDING FOR THE INSTITUTE OF ASIAN RESEARCH	478	1996
CAREY CENTRE	807	2006
CENTRE FOR COMPARATIVE MEDICINE	057	2011

Buildings without <u>Architectural</u> Asbestos Products	BLDG#	Construction date
CENTRE FOR INTERACTIVE RESEARCH IN SUSTAINABILITY	633	2011
CHAN CENTRE FOR THE PERFORMING ARTS	130	1997
CHEMICAL & BIOLOGICAL ENGINEERING BUILDING	300	2005/2009
CHEMISTRY A BLOCK, CHEMISTRY PHYSICS BUILDING	447	1989
CHILD CARE SERVICES - BUILDING 1 to 5	200 to 204	1989
CHILD CARE SERVICES ADMINISTRATION BUILDING	155	1990
CHILD CARE SERVICES BUILDING 1 to 3	205 to 207	2008/2009
COAL AND MINERAL PROCESSING LABORATORY ADDITION	184-1	2011
CONTINUING STUDIES BUILDING	160	1997
DAVID LAM MANAGEMENT RESEARCH CENTRE	490	1992
DAVID LAM RESEARCH CENTRE	490-2	1992
DAVID STRANGWAY BUILDING	199	2005
DISTRICT ENERGY CENTRE	521	2014/2015
DJAVAD MOWAFAGHIAN CENTRE FOR BRAIN HEALTH	465	2014
DONALD RIX BUILDING	458	2000
DOUG MITCHELL THUNDERBIRD SPORTS - ADDITION	868-1	2008
EARTH AND OCEAN SCIENCES ANNEX	081-1	2004
EARTH SCIENCES BUILDING	225	2012
EARTHQUAKE ENGINEERING RESEARCH FACILITY	305	2003
ENGINEERING HIGH HEAD ROOM LABORATORY	511	1992
ENGINEERING STUDENT CENTRE	310	2015
ENVIRONMENTAL SERVICES FACILITY - CHEMICAL WASTE PROCESSING & STORAGE BUILDING	142	1986
ENVIRONMENTAL SERVICES FACILITY - OFFICE	139	1993

Buildings without <u>Architectural</u> Asbestos Products	BLDG#	Construction date
ENVIRONMENTAL SERVICES FACILITY - PCB EQUIPMENT STORAGE CONTAINERS	143	1989
ENVIRONMENTAL SERVICES FACILITY - SOLVENT & SILVER RECOVERY LAB	138	1994
FAIRVIEW CRESCENT STUDENT HOUSING - PARKING LOT	007-00	1985
FAIRVIEW CRESCENT STUDENT HOUSING - UNIT 1 to 35	007-01 to 35	1985
FIRST NATIONS LONGHOUSE	337	1993
FOOD, NUTRITION AND HEALTH BUILDING - ADDITION	449-1	2005
FOREST SCIENCES CENTRE	353	1998
FOREST SCIENCES GREENHOUSE	387	1990
FPINNOVATIONS - FOREST OPERATIONS (FERIC)	373	1990
FPINNOVATIONS - WOOD PRODUCTS (FORINTEK)	372	1990
GAS GUN FACILITY	394	1989
GERALD MCGAVIN BUILDING	569	1998
GERALD MCGAVIN UBC RUGBY CENTRE	434	2013
GREEN COLLEGE - ADMINISTRATION -BUILDING F	418	1994
GREEN COLLEGE - BUILDING A NORTH	413	1994
GREEN COLLEGE - BUILDING A SOUTH	415	1994
GREEN COLLEGE - BUILDING B EAST	416	1994
GREEN COLLEGE - BUILDING E	417	1994
GREEN COLLEGE - KITCHEN / LAUNDRY	414	1994
GREEN COLLEGE - PRINCIPAL'S RESIDENCE - BUILDING C	419	1994
HENRY ANGUS BUILDING CLASSROOM ADDITION	023-1	2010
HILLEL HOUSE - THE DIAMOND FOUNDATION CENTRE FOR JEWISH CAMPUS LIFE	445	2010
HUGH DEMPSTER PAVILION	164	2004

Buildings without <u>Architectural</u> Asbestos Products	BLDG#	Construction date
INSTITUTE FOR COMPUTING, INFORMATION AND COGNITIVE SYSTEMS / COMPUTER SCIENCE	165	1993
INSTITUTE FOR COMPUTING, INFORMATION AND COGNITIVE SYSTEMS / COMPUTER SCIENCE ADDITION	166	2005
IN-VESSEL COMPOSTING FACILITY	137	2004
JACK BELL BUILDING FOR THE SCHOOL OF SOCIAL WORK	750	1992
JOHN OWEN PAVILION AND ALLAN MCGAVIN SPORTS MEDICINE CENTRE - ADDITION	855-1	1988
JOHN OWEN PAVILION ANNEX	859	2010
KIDS CLUB	013	2007
KOERNER GALLERY	570-1	1990
LIFE SCIENCES CENTRE	529	2004
LIU INSTITUTE FOR GLOBAL ISSUES	496	2000
MARINE DRIVE RESIDENCE - All BUILDING	377 to 377-6	2006 to 2009
MBA HOUSE	694	2009
MICHAEL SMITH LABORATORIES	083	2004
MORRIS AND HELEN BELKIN ART GALLERY	568	1995
NETWORKS OF CENTRES OF EXCELLENCE	081-2	1991
NEVILLE SCARFE BUILDING - LIBRARY	234	1995
NEVILLE SCARFE BUILDING - TEACHER EDUCATION OFFICE	233	1996
THE NEST (NEW STUDENT UNION BUILDING)	795	2015
NORTH PARKADE	792	1988
NRC INSTITUTE FOR FUEL CELL INNOVATION	591	2006
OLD BARN COMMUNITY CENTRE	627	2007
PANHELLENIC SORORITY HOUSE	918	2003
PETER WALL INSTITUTE FOR ADVANCED STUDIES	345	1987

Buildings without <u>Architectural</u> Asbestos Products	BLDG#	Construction date
PHARMACEUTICAL SCIENCES & CENTRE FOR DRUG RESEARCH AND DEVELOPMENT	527	2012
PLACE VANIER RESIDENCE - KOREA UNIVERSITY - UBC HOUSE	898	2003
PLACE VANIER RESIDENCE - TEC DE MONTERREY - UBC HOUSE	902	2003
PLANT SCIENCE FIELD STATION	666	1991
PONDEROSA COMMONS: AUDAIN ART CENTRE / SPRUCE HOUSE	903	2013
PONDEROSA COMMONS: MAPLE HOUSE / ARBUTUS HOUSE	904	2013
PONDEROSA COMMONS: OAK HOUSE / CEDAR HOUSE	905	2015
RITSUMEIKAN-UBC HOUSE	745	1992
RODNEY GRAHAM MILLENNIUM SCULPTURE PAVILLION	180	2003
ROSE GARDEN PARKADE	528	1994
SING TAO BUILDING	212	1997
SOUTH CAMPUS TELECOMMUNICATION HUB SITE	763	1994
ST. JOHN HOSPICE	635	2013
ST. JOHN'S COLLEGE	822-1 to 822-3	1997/1998
STAGING RESEARCH CENTRE	767	2010
STUDENT RECREATION CENTRE	774	1995
TECHNOLOGY ENTERPRISE FACILITY 3	606	2003
THE BRIMACOMBE BUILDING	020	1995
THE FRED KAISER BUILDING	313	2005
THUNDERBIRD PARKADE	551	2007
THUNDERBIRD RESIDENCE - BUILDING A1 to C2	780	1995
TOTEM PARK RESIDENCE - HEMLESEM HOUSE	567	2011
TOTEM PARK RESIDENCE - QELEXEN HOUSE	566	2011

Buildings without <u>Architectural</u> Asbestos Products	BLDG#	Construction date
TRIUMF HOUSE	534	2004
UBC RESEARCH PONDS	585	2010
UBC TENNIS CENTRE	433	2011
VANIER PUMP STATION	543	1986
WALTER C. KOERNER LIBRARY	515-1	1996
WAYNE AND WILLIAM WHITE ENGINEERING DESIGN CENTRE	301	2011
WEST MALL SWING SPACE BUILDING	901	2005
WEST PARKADE	900	1992
WOOD PRODUCTS LABORATORY	385	1990

Notice of Project

Section 14.0 Standing Notice of Projects

All work conducted under the procedures on this table must be logged with the AMP. The supervisor responsible for the project may only request authorization for the work on asbestos materials not covered by procedures above.

Any work to be conducted on asbestos materials not covered by procedures on this table will require advance notice to the AMP so that a minimum of 48hrs advance notice may be provided to WorksafeBC

Written work procedures identified on this table may be modified by the AMP in response to project specific circumstances different from those for which a procedure is intended. The Amp may reduce or increase the requirements of any procedures. **Any increase in the requirements of procedures will require a minimum of 48hrs advance notification to WorkSafeBC.**

Material	Procedure #	Procedure	Notes:
Floor tiles	1.1	Work up to and including removal of attached vinyl asbestos floor tiles	May include removal of loose tiles (1.2), mounting and removal of fixtures
Drywall	4.1	Work up to and including removal of small portions of asbestos drywall	May include attaching fixtures (4.3, 4.4) removing fixtures (4.5) and repair of crack and joints (4.6, 4.7)
Fire doors	6.1	Removing and replacing hardware	

Material	Procedure #	Procedure	Notes:
Transite	7.1	Work up to and including removal of transite with danger of breaking or from a fume hood	
Gaskets	11.1	Removal of asbestos gaskets	
Glazing Putties	13.1	Removal of glazing putties	
Mastics	13.2	Removal of asbestos containing mastics	May be done by cutting ductwork only, scraping of mastics is not permitted
	14.2	Entry into contaminated ceiling spaces	Includes entry into spaces with overspray texture coat
	14.1	Entry into contaminated crawl spaces	