

# NARRATIVE REPORT

## 1.0 BUILDING INFORMATION

Morrill Hall was originally constructed in 1922; a 1930 addition extended the building to the northwest. The building has had several renovations; notably, a 1981-1985 multi-phase renovation throughout the basement, 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> floors.

Morrill Hall is a four-story, 62,166 ft<sup>2</sup> building which primarily serves as office areas and classroom areas. Hultz Hall (A026) is attached via a skyway on the north side of Morrill Hall and is reported separately. The skyway is included in the Hultz Hall report.

The interior floor finishes included carpet, floor tile, ceramic tile, concrete, terrazzo, sheet vinyl flooring, and linoleum; the interior wall finishes included gypsum wallboard, wood, plaster, ceramic tile, concrete block, and brick; and the interior ceiling finishes included ceiling tile, gypsum wallboard, plaster, and concrete. The roofing system is a peaked clay shingled roof and the exterior of the structure is brick.

The piping systems were insulated; fiberglass insulation (both with and without hard fittings), millboard insulation (without hard fittings), and mag block insulation (with hard fittings) are located in the building. Steam enters the building in room 12A and domestic water enters the building in room 11. HVAC systems located in the building consisted of steam radiators and forced air furnaces equipped with heating/cooling coils.

## 2.0 ASBESTOS SURVEY INFORMATION

Morrill Hall was surveyed as part of a larger project on NDSU's Fargo, ND Campus. This report is part of "Volume 3" of a nine volume series. This report includes building specific information only; please refer to the opening section of "Volume 3" for methodologies, definitions, and other pertinent supporting information.

A total of 191 samples were collected from suspect asbestos-containing materials (ACM) from Morrill Hall on July 13, 2007, an additional 9 samples were collected on December 12, 2007, and an additional 1 sample was collected on December 27, 2007. Laboratory analysis results indicate **33 of these samples tested positive for asbestos.**

### 2.1 Suspect Materials Identified and Sampled

Ceiling Texture (2 types)	Hard Plaster- Monocoat
Wall Texture	Black Resin (on concrete column)
Joint Compound (5 types)	Gypsum Wallboard (5 types)
Hard Plaster- Skimcoat	Hard Plaster-Basecoat
Sheet Vinyl Flooring (2 types)	Floor Tile (10 Types)
Floor Tile Mastic (10 types)	Stair Tread (2 types)
Stair Tread Adhesive (2 types)	Linoleum
Underlayment Paper for Linoleum	Floor Filler (4 types)
Carpet Mastic (7 types)	Baseboard Adhesive (5 types)
Sink Undercoating (6 types)	Ceiling Tile (15 types)
Ceiling Panels	Glue Puck
Mag Block Pipe Insulation	Hard Fittings on Mag Block Insulation
Millboard Pipe Insulation	Encapsulant on Fiberglass Insulation

Hard Fitting on Fiberglass Insulation (on valve)  
Exterior Window Caulk  
Exterior Penetration Putty  
Exterior Caulk (around Styrofoam)  
Exterior Door Caulk (2 types)  
Overhand Surfacing  
Window Glazing (3 types)  
HVAC Canvas Connector

Blown-in Attic Insulation  
Exterior Window Glazing  
Exterior Air Vent Caulk  
Exterior Foundation Coating (2 types)  
Clay Shingle  
Transite Fume Hood  
Window Glazing on Door (4 types)

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

## 2.2 **Asbestos Containing Materials**

Brown/Black Sheet Vinyl Flooring  
Red/Black Sheet Vinyl Flooring  
Mastic for 12" Gray Floor Tile with Dark Gray/White  
Mastic for 12" Beige/Gray/Brown Floor Tile  
2<sup>nd</sup> Later (bottom) Floor Tile and Mastic (room 208)  
Mastic for 12" Cream Floor Tile w/ Tan and Gray Marks  
Mastic for 12" Gray/Light Yellow/Brown Mottled Floor Tile  
Mastic for Beige Floor Tile with White/Brown Mottled  
Underlayment Paper for White Pebble Pattern Linoleum  
Floor Filler (2 types)  
Black/Brown Carpet Mastic  
White Sink Undercoating  
Black Sink Undercoating (1 types)  
Pink Sink Undercoating  
Exterior Foundation Coating (2 types)  
Transite Fume Hood  
Window Glazing (3 types)  
Window Glazing on Door (4 types)

The ACM Locations/ Friable Materials Assessments Table includes ACM locations data.

### 2.3 Cost Estimates

Legend Technical Services Inc. estimates abatement costs (removal & disposal) of ACM for Morrill Hall as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Sheet Vinyl Flooring	10,881 ft <sup>2</sup>	\$4.00/ ft <sup>2</sup>	\$43,524.00
Asbestos Floor Tile Mastic (FT Negative)	2,806 ft <sup>2</sup>	\$4.00/ ft <sup>2</sup>	\$11,224.00
Asbestos Floor Tile and Mastic	12,370 ft <sup>2</sup>	\$4.00/ ft <sup>2</sup>	\$49,480.00
Asbestos Underlayment Paper	204 ft <sup>2</sup>	\$4.00/ ft <sup>2</sup>	\$816.00
Asbestos Floor Filler	*	*	*
Asbestos Carpet Mastic	1,298 ft <sup>2</sup>	\$4.00/ ft <sup>2</sup>	\$5,192.00
Asbestos Sink Undercoating	6 ea	\$150.00/ ea	\$900.00
Asbestos Foundation Coating	788 ft	\$7.50/ ft	\$5,910.00
Asbestos Transite Fume Hood	1 ea	\$350.00/ ea	\$350.00
Asbestos Window Glazing (all types)	95 ea	\$225.00/ ea	\$21,375.00
<b>Total Estimated Abatement Costs:</b>			<b>\$138,771.00</b>

\* The floor filler materials used under the carpet on 1<sup>st</sup> floor contain asbestos. The carpeting on 1<sup>st</sup> floor is installed over older ACM flooring. The floor filler materials should be abated with the older ACM flooring when the carpet is to be removed.

### 2.4 Survey Notes

During the 1981-1985 renovations, carpet was installed in many of the rooms in the building over the flooring that was previously present. At the time the carpet was installed, a floor filler material was used to level the floor. Due to the limited access to the materials below the carpet and the presence of floor filler in those areas where the materials were accessible, LEGEND attempted to define homogeneous areas based on the color and consistency of the concealed flooring materials. After homogeneous areas were identified, LEGEND collected multiple samples of each homogeneous area. All samples of suspect flooring materials (excluding concrete and terrazzo) under carpet in the building were positive for asbestos. Any material found under the carpet in the building, even if it does not exactly match the material description provided by LEGEND, is an ACM.

LEGEND identified brown carpet mastic installed over residual black mastic in several areas of the basement (identified as brown/black carpet mastic). Prior to the 1981-1985 renovations in the building, the basement was flooded by a water main break. LEGEND assumes the flooring in the basement prior to the renovations was loosened by this flood and removed, however, it appears the mastic was left and carpet mastic was applied directly over it. LEGEND identified these areas by pulling back the carpet in several corners in each room and inspecting for the residual black mastic. If none was observed, LEGEND did not consider the room to have the residual black mastic under the carpet. It is possible that residual black mastic may still exist under the carpet in these rooms in areas LEGEND was unable to inspect (such as in the middle of the room). LEGEND recommends assuming all carpeted areas in the basement to have ACM residual black mastic until a destructive survey can be conducted for a final visual verification under the carpet. The surface area of the remaining carpeted rooms in the basement is approximately 2,500 ft<sup>2</sup>.

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 1**

Mastic for 12" Light Beige FT w/ White/ Brown Mottled	10% Chrysotile	475 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative. Part of the floor tile and mastic is under carpet in this room.
Mastic for 12" Gray Floor Tile w/ Dark Gray/White	5% Chrysotile	207 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative.

**Room 2**

Brown/Black Carpet Mastic	5% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The carpet mastic contains asbestos.
Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window on the south wall of the room adjacent to the door.

**Room 3**

Brown/Black Carpet Mastic	5% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The carpet mastic contains asbestos.
Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window on the south wall of the room adjacent to the door.

**Room 4**

Brown/Black Carpet Mastic	5% Chrysotile	360 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The carpet mastic contains asbestos.
Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window on the south wall of the room adjacent to the door.

\* = Non-Friable materials were not assessed

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**Room 4A**

Mastic for 12" Gray Floor Tile w/ Dark Gray/White	5% Chrysotile	412 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative.
Transite Fume Hood	15% Chrysotile	1 hood	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The transite fume hood is in the southeast corner of the room.

**Room 4A1**

Brown/Black Carpet Mastic	5% Chrysotile	110 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The carpet mastic contains asbestos.
Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is on the south wall of the room adjacent to the door.

**Room 5**

Brown/Black Carpet Mastic	5% Chrysotile	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The carpet mastic contains asbestos.
Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	One window is in the southwest corner of the room; the other is on the east wall adjacent to the door.

**Room 5A**

Brown/Black Carpet Mastic	5% Chrysotile	204 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The carpet mastic contains asbestos.
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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 5B**

Brown/Black Carpet Mastic	5% Chrysotile	112 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The carpet mastic contains asbestos.
Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window on the south wall of the room adjacent to the door.

**Room 5C**

Brown/Black Carpet Mastic	5% Chrysotile	112 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The carpet mastic contains asbestos.
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**Room 7**

Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	One window is on the south wall adjacent to the door; the other is on the west wall adjacent to the door.
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**Room 9**

White Sink Undercoating	5% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink is in the southwest corner.
Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is on the north wall of the room adjacent to the door.

**Room 11** Now Room 10

Mastic for 12" Gray/ Light Yellow/Brown Mottled Floor Tile	5% Chrysotile	1449 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative.
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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is on the wall that is directly east of the elevator entrance.
Window Glazing on Door	5% Chrysotile	3 doors	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	Two doors are by room 13; the other door separates room 11 from room 12.

**Room 12**

Mastic for 12" Beige/Gray/Brown Floor Tile	5% Chrysotile	2109 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative.
Window Glazing on Door	5% Chrysotile	1 door	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The door is at the stairway leading to the 1 <sup>st</sup> floor.

**Room 12C**

Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is on the east wall of the room adjacent to the door.
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**Room 12D**

Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is on the east wall of the room adjacent to the door.
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**Room 12E**

Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is on the east wall of the room adjacent to the door.
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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 77S**

Mastic for 12" Light Beige FT w/ White/ Brown Mottled	10% Chrysotile	162 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos; the floor tile is negative.
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**Room 101** Abated December 2014

<del>9" Floor Tile and Mastic</del>	Assumed	280 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room 103**

9" Floor Tile and Mastic	Assumed	880 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
Gray/Black Floor Filler	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room 105**

Brown/Black Sheet Vinyl Flooring	5% Chrysotile	980 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
Gray/Black Floor Filler	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

\* = Non-Friable materials were not assessed



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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 107**

Brown/Black Sheet Vinyl Flooring	5% Chrysotile	630 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
Gray/Black Floor Filler	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room 109** Abated May 2015

<del>9" Floor Tile and Mastic</del>	Assumed	1144 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room 111** Abated May 2015

<del>9" Floor Tile and Mastic</del>	Assumed	220 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	836 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room 112**

<del>9" Floor Tile and Mastic</del>	Assumed	456 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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\* = Non-Friable materials were not assessed

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ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
Window Glazing	5-10% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window on the east wall of the room adjacent to the door.
<del>Gray/Black Floor Filter</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.
<b>Room 112A</b> <span style="border: 1px solid red; padding: 2px;">Abated May 2014</span>								
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	836 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<del>Gray/Black Floor Filter</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.
<b>Room 112B</b> <span style="border: 1px solid red; padding: 2px;">Now 112C</span>								
<del>9" Floor Tile and Mastic</del>	Assumed	48 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
Black Sink Undercoating	8% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink is in the southwest corner of the room.
<del>Gray/Black Floor Filter</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.
<b>Room 112C</b> <span style="border: 1px solid red; padding: 2px;">Abated May 2014</span>								
<del>9" Floor Tile and Mastic</del>	Assumed	168 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
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<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room 112D** Abated May 2014

<del>9" Floor Tile and Mastic</del>	Assumed	168 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room 112E** Abated May 2014

<del>9" Floor Tile and Mastic</del>	Assumed	192 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room** Abated May 2012

<del>9" Floor Tile and Mastic</del>	Assumed	13 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	113 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

\* = Non-Friable materials were not assessed

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MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 114** Now room 113

9" Floor Tile and Mastic	Assumed	12 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos.
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**Room 116**

9" Floor Tile and Mastic	Assumed	114 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
Red/Black Sheet Vinyl Flooring	5% Chrysotile	336 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
Gray/Black Floor Filler	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room 117** Abated November 2013

<del>9" Floor Tile and Mastic</del>	Assumed	56 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	118 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.

**Room 117A** Abated November 2013

<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	224 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.
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**Room 117B** Abated November 2013

<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	130 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.
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**Room 117C** Abated November 2013

<del>9" Floor Tile and Mastic</del>	Assumed	208 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.
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**Room 117D** Abated November 2013

<del>9" Floor Tile and Mastic</del>	Assumed	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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<del>Gray/Black Floor Filler</del>	5% Chrysotile	Unknown	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor filler is under the carpet.
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**Entry by Elevator 177E**

Window Glazing	5% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is above the entry doors directly west of elevator 177E.
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\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
Window Glazing on Door	5% Chrysotile	1 door	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The small extension door for the entryway directly west of elevator 177E.

**Room 177S**

Window Glazing	5% Chrysotile	1 window	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is above the entry doors.
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**Room 177S1**

9" Floor Tile and Mastic	Assumed	108 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the 12" floor tile.
Window Glazing on Door	5% Chrysotile	1 door	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The door leading to the basement stairway.

**Room 188**

9" Floor Tile and Mastic	Assumed	1,868 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; 56 ft <sup>2</sup> is under carpet and 1,812 ft <sup>2</sup> is under 12" floor tile.
Window Glazing on Door	5% Chrysotile	1 door	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The door is in the northeast corner of the hallway, it is the exit door for the northeast entryway.

**Room 188A**

Window Glazing	5% Chrysotile	16 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows around the outer and inner doors in the entryway.
Window Glazing on Door	5% Chrysotile	4 doors	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The outer and inner doors in the entryway.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
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**Room 188B**

Window Glazing	5% Chrysotile	21 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	All the windows in room 188B.
Window Glazing on Door	5% Chrysotile	4 doors	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The outer and inner doors in the entryway.

**Room 201** Abated September 2009

<del>9" Floor Tile and Mastic</del>	Assumed	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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**Room 201A** Abated September 2009

<del>9" Floor Tile and Mastic</del>	Assumed	140 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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**Room 201B** Abated September 2009

<del>9" Floor Tile and Mastic</del>	Assumed	180 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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**Room 201C** Abated September 2009

<del>9" Floor Tile and Mastic</del>	Assumed	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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**Room 201D** Abated September 2009

<del>9" Floor Tile and Mastic</del>	Assumed	180 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
<b>Room 201E</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	132 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 202</b> Abated September 2009								
<del>Brown/Black Sheet Vinyl Flooring</del>	Assumed	80 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 203</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	54 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 203A</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	110 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 203B</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 203C</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.

\* = Non-Friable materials were not assessed



**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<b>Room 203D</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	168 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 204</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	100 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 205</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	54 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 205A</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 205B</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	130 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 205C</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	168 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
<b>Room 206</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	144 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 207</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	54 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 207A</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	124 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 207B</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	100 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 207C</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	132 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 207D</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<b>Room 208</b> Abated September 2009								
<del>2<sup>nd</sup> Layer Floor Tile and Felt Mastic</del>	5-15% Chrysotile	209 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 2 <sup>nd</sup> layer of floor tile (bottom) and felt mastic contain asbestos.
<b>Room 209</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	140 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 209B</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	132 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 209C</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	100 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 211</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	20 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	70 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 211A</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	77 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	15 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 211B</b> Abated September 2009								
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	100 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 211C</b> Abated September 2009								
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 211D</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	77 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	77 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 212</b> Abated September 2013								
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	592 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 213</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	20 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	35 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 213A</b> Abated September 2009								
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	100 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 213B</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 213C</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	168 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 214</b>								
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	308 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
Abated September 2013								
Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the east wall adjacent to the door.
<b>Room 216</b> Abated September 2013								
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 217**

<del>9" Floor Tile and Mastic</del> <b>Abated September 2009</b>	Assumed	238 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Red/Black Sheet Vinyl Flooring</del> <b>Abated September 2009</b>	5% Chrysotile	748 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the west wall adjacent to the door.

**Room 219**

<del>9" Floor Tile and Mastic</del> <b>Abated September 2009</b>	Assumed	128 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Red/Black Sheet Vinyl Flooring</del> <b>Abated September 2009</b>	5% Chrysotile	96 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the west wall adjacent to the door.

**Room 219A** **Abated September 2009**

<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	252 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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**Room 221** **Abated September 2009**

<del>9" Floor Tile and Mastic</del>	Assumed	144 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	105 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 221A</b> <span style="border: 1px solid red; padding: 2px;">Abated September 2009</span>								
<del>9" Floor Tile and Mastic</del>	Assumed	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 221B</b> <span style="border: 1px solid red; padding: 2px;">Abated September 2009</span>								
<del>9" Floor Tile and Mastic</del>	Assumed	140 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 221C</b> <span style="border: 1px solid red; padding: 2px;">Abated September 2009</span>								
<del>9" Floor Tile and Mastic</del>	Assumed	100 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 221D</b> <span style="border: 1px solid red; padding: 2px;">Abated September 2009</span>								
<del>9" Floor Tile and Mastic</del>	Assumed	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 221E</b> <span style="border: 1px solid red; padding: 2px;">Abated September 2009</span>								
<del>9" Floor Tile and Mastic</del>	Assumed	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 221F</b> <span style="border: 1px solid red; padding: 2px;">Abated September 2009</span>								
<del>9" Floor Tile and Mastic</del>	Assumed	55 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	80 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 221G</b> Abated September 2009								
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 221H</b> Abated September 2009								
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<b>Room 221J</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	126 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 277S1</b> Abated September 2009								
<del>9" Floor Tile and Mastic</del>	Assumed	108 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<b>Room 288</b> Abated September 2009								
<del>Brown/Black Sheet Vinyl Flooring</del>	5% Chrysotile	280 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
<del>9" Floor Tile and Mastic</del>	Assumed	882 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.

\* = Non-Friable materials were not assessed



**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 301**

Pink Sink Undercoating	5% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink is on the west side of the dividing wall splitting the room (by room 301F)
Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are in the southeast corner of the room adjacent to the door.

**Room 302**

Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the north wall adjacent to the door.
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**Room 304**

Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the north wall adjacent to the door.
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**Room 306**

Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the north wall adjacent to the door.
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**Room 307**

Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the west wall adjacent to the door.
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**Room 308**

Mastic for 12" Cream Floor Tile with Tan and Gray Marks	5% Chrysotile	104 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The mastic for the 2 <sup>nd</sup> layer of floor tile (bottom).
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\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 309** Abated November 2013

<del>Underlayment Paper for White Pebble Pattern Linoleum</del>	20% Chrysotile	72 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The linoleum is under the carpet.
<del>9" Floor Tile and Mastic</del>	Assumed	315 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	36 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.

**Room 309A** Abated November 2013

<del>9" Floor Tile and Mastic</del>	Assumed	180 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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**Room 309B** Abated November 2013

<del>Underlayment Paper for White Pebble Pattern Linoleum</del>	20% Chrysotile	132 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The linoleum is under the carpet.
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**Room 311**

<del>9" Floor Tile and Mastic</del> <span style="border: 1px solid red; padding: 2px;">Abated November 2013</span>	Assumed	340 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
<del>Red/Black Sheet Vinyl Flooring</del> <span style="border: 1px solid red; padding: 2px;">Abated November 2013</span>	5% Chrysotile	204 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
Window Glazing	5-10% Chrysotile	4 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the west wall adjacent to the door.

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
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**Room 311A** Abated November 2013

<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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**Room 311B** Abated November 2013

<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	132 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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**Room 311C** Abated November 2013

<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	240 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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**Room 312**

Red/Black Sheet Vinyl Flooring	5% Chrysotile	218 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
Pink Sink Undercoating	5% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink is in the northwest corner.

**Room 313**

Pink Sink Undercoating	5% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink is in the southwest corner, in a closet.
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**Room 314**

<del>Brown/Black Sheet Vinyl Flooring</del>	5% Chrysotile	364 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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Abated April 2012

\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
Window Glazing	5-10% Chrysotile	2 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the east wall adjacent to the door.

**Room 315**

9" Floor Tile and Mastic	Assumed	384 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
Red/Black Sheet Vinyl Flooring	5% Chrysotile	768 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
Window Glazing	5-10% Chrysotile	6 windows	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	4 windows are on in the northwest corner adjacent to the door; 2 windows are on the west wall.
Pink Sink Undercoating	5% Chrysotile	1 sink	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink is close to room 315E.

**Room 315A** Abated Dec 2012

<del>Red/Black Sheet Vinyl Flooring</del>	5% Chrysotile	180 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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**Room 315B**

Red/Black Sheet Vinyl Flooring	5% Chrysotile	190 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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**Room 315C**

Red/Black Sheet Vinyl Flooring	5% Chrysotile	190 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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\* = Non-Friable materials were not assessed

**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
MORRILL HALL (BUILDING A023)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 315D**

Red/Black Sheet Vinyl Flooring	5% Chrysotile	182 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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**Room 315E**

Red/Black Sheet Vinyl Flooring	5% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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**Room 316** Abated April 2012

<del>Brown/Black Sheet Vinyl Flooring</del>	5% Chrysotile	160 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sheet vinyl flooring is under the carpet.
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**Room 388**

9" Floor Tile and Mastic	Assumed	890 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to contain asbestos; they are under the carpet.
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**Exterior**

Black/Gray Foundation Coating	10% Chrysotile	788 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The foundation coating is on all exterior walls (except the very south wall) where the building meets the ground.
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<sup>1</sup>Assessment Categories:

- |   |   |
|---|---|
| 1) Damaged or Significantly Damaged TSI ACM                   | 5) ACM with Potential for Damage                      |
| 2) Damaged Friable Surfacing ACM                              | 6) ACM with Potential for Significant Damage          |
| 3) Significantly Damaged Friable Surfacing ACM                | 7) Any Remaining Friable ACM or Friable Suspected ACM |
| 4) Damaged or Significantly Damaged Friable Miscellaneous ACM |   |

**End**

\* = Non-Friable materials were not assessed