

## NARRATIVE REPORT

### 1.0 BUILDING INFORMATION

Dinan Hall was originally constructed in 1953; although specific information could not be located, several small renovations are evident.

Dinan Hall is a four-story, 32,615 ft<sup>2</sup> building which primarily serves as dormitory areas for students.

The interior floor finishes included floor tile, concrete, ceramic tile, and carpet; the interior wall finishes included plaster, gypsum wallboard, ceramic block, concrete block, and concrete; and the interior ceiling finishes included plaster, metal, ceiling tile, and concrete. The roofing system is a flat rubber-membrane roof and the exterior of the structure is brick.

The piping systems were insulated; fiberglass insulation (without hard fittings) is located throughout the basement. Steam and domestic water enter the building into the tunnels on the east end of the building. HVAC systems located in the building consisted of steam radiators and steam unit heaters.

### 2.0 ASBESTOS SURVEY INFORMATION

Dinan Hall was surveyed as part of a larger project on NDSU's Fargo, ND Campus. This report is part of "Volume 1" of a nine volume series. This report includes building specific information only; please refer to the opening section of "Volume 1" for methodologies, definitions, and other pertinent supporting information.

LEGEND was granted full access to Dinan Hall during the initial walk-through and sampling of the building. During subsequent walk-throughs of the building, for resampling and reporting purposes, LEGEND was granted access to the common areas and to 2-4 dormitory rooms per floor, only.

A total of 72 samples were collected from suspect asbestos-containing materials (ACM) from Dinan Hall on June 12, 2007 and an additional 8 samples were collected on March 20, 2008. Laboratory analysis results indicate **14 of these samples tested positive for asbestos.**

#### 2.1 Suspect Materials Identified and Sampled

Floor Tile (7 types)	Floor Tile Mastic (7 types)
Encapsulant on Fiberglass Insulation	Ceiling Tile (4 types)
Window Caulk (2 types)	Gypsum Wallboard
Joint Compound	Carpet Mastic (2 types)
Baseboard Adhesive	Texture Paint
Hard Plaster- Monocoat	Ceiling Texture (3 types)
Hard Plaster- Base Coat (2 types)	Hard Plaster- Skim Coat
Exterior Penetration Caulk	Exterior Window Caulk (2 types)
Exterior Building Seam Caulk	Exterior Roof Flashing
Exterior Exhaust Fan Caulk	Roof Flashing (2 types)

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

## 2.2 Asbestos Containing Materials

Mastic for 12" White Floor Tile with Gray Marks  
Mastic for 12" Light Gray Floor Tile with Gray Marks  
Window Caulk (on glass block windows)  
Carpet Mastic (with residual black mastic)  
Soft Acoustic Ceiling Texture  
Exterior Window Caulk (on small windows)  
9" Floor Tile and Mastic (assumed)

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 Dinan Hall as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Ceiling Texture	20,991 ft <sup>2</sup>	\$7.50/ft <sup>2</sup>	\$157,432.50
Asbestos Floor Tile and/or Mastic	13,565 ft <sup>2</sup>	\$4.00/ ft <sup>2</sup>	\$54,260.00
Asbestos Window Caulk (all types)	33 ea	\$125.00/ea.	\$4,125.00
<b>Total Estimated Abatement Costs:</b>			<b>\$215,817.50</b>

## 2.4 Survey Notes

NDSU records indicate asbestos thermal system insulations were abated from the basement and tunnels of Dinan Hall. However, on floors 1-3 inaccessible ceilings and pipe chases prevented LEGEND from verifying the presence of possible asbestos thermal system insulations. Dinan Hall appears to be of similar construction to Stockbridge Hall (A042), therefore, LEGEND assumes steam pipes in the building were originally insulated with mag block pipe insulation (with hard fittings) and domestic water pipes in the building were originally insulated with millboard pipe insulation (with hard fittings). LEGEND recommends assuming these materials will be discovered during renovation or demolition activities on steam pipes supplying the radiators in the stairways and on the water pipes supplying the custodial rooms and bathrooms. LEGEND recommends assuming 150 feet of millboard pipe insulation with 50-100 hard fittings on each of the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> floors and 75 feet of mag block pipe insulation with 25-50 hard fittings on each of the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> floors.

LEGEND identified an ACM soft acoustic ceiling texture, primarily in the dorm rooms, and a non-ACM popcorn ceiling texture, primarily in the hallways, throughout Dinan Hall. In room 240, LEGEND observed the popcorn ceiling texture throughout the room with the soft acoustic ceiling texture on the east end of the room, above the vending machines. LEGEND noted that it appears the popcorn ceiling texture was installed after the soft acoustic ceiling texture and applied directly to the soft acoustic ceiling texture; sampling in room 142 supports this conclusion (sample #54). In all areas where the non-ACM popcorn ceiling texture is visible the ACM soft acoustic ceiling texture is also present.

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

LEGEND No. 0700048 (NDSU)  
DINAN HALL (BUILDING A009)

ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 4**

<del>Mastic for 12" Light Gray Floor Tile with Gray Marks</del>	5% Chrysotile	575 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The mastic for 12" light gray floor tile with gray marks contains asbestos; the floor tile does not.
<b>Abated June 2014</b>								
Window Caulk (on glass block windows)	5% Chrysotile	1 window	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block window in the southeast corner of the room.

**Room 4A**

Window Caulk (on glass block windows)	5% Chrysotile	1 window	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block window in the southwest corner of the room.
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**Basement Hallway and Stairway**

<del>Mastic for 12" Light Gray Floor Tile with Gray Marks</del>	5% Chrysotile	113 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The mastic for 12" light gray floor tile with gray marks contains asbestos; the floor tile does not. They are in the hallway area.
<b>Abated June 2014</b>								
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	163 ft <sup>2</sup>	Friable Surfacing	Good	Physical <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Air Erosion <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Vibration <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture. They are in the hallway and stairway areas.

**Dorm Rooms 101, 102, 109, 112, 114, 115, 116, 124, 125, 126, and 127**

<del>9" Floor Tile and Mastic</del>	Assumed	167 ft <sup>2</sup> each	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to be ACMs.
<b>FT&amp;M removed from 114 &amp; 124 June 2012</b>								<b>Remainder Abated June 2014</b>
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	167 ft <sup>2</sup> each	Friable Surfacing	Good	Physical <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Air Erosion <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Vibration <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		6	None.

\* = Non-Friable materials were not assessed

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ACMS LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
DINAN HALL (BUILDING A009)

ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
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**Dorm Rooms 103, 104, 110, 111, 113, 117, 118, 119, 120, and 121**

<del>9" Floor Tile and Mastic</del> <b>Abated June 2014</b>	Assumed	167 ft <sup>2</sup> <b>each</b>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to be ACMs; they are under the carpet.
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	167 ft <sup>2</sup> <b>each</b>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.

**Room 105**

Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	203 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.
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**Room 106**

Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	312 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The ACM soft acoustic ceiling texture is above the popcorn ceiling texture; the west 1/3 of the room also has a layer of GWB on the ceiling.
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**Room 106A**

Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	122 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.
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**Room 106A1**

Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	34 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.
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**Dorm Rooms 107 and 108**

<del>9" Floor Tile and Mastic</del> <b>108 Abated June 2014</b> <b>FT&amp;M removed from 107 June 2012</b>	Assumed	159 ft <sup>2</sup> <b>each</b>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos 9" floor tile and mastic were assumed to be ACMs; there is an additional 26 ft <sup>2</sup> in the bathroom between the rooms.
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\* = Non-Friable materials were not assessed

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LEGEND No. 0700048 (NDSU)  
DINAN HALL (BUILDING A009)

ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	159 ft <sup>2</sup> <b>each</b>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	In addition, there is 36 ft <sup>2</sup> in the bathroom between the rooms.

**Room 122**

<del>9" Floor Tile and Mastic</del> <b>Abated June 2014</b>	Assumed	147 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs; they are under the carpet.	
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	147 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.

**Dorm Room 123**

<del>9" Floor Tile and Mastic</del> <b>Abated June 2014</b>	Assumed	187 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs.	
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	187 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.

**Room 140 (includes east and west exterior entryways)**

<del>Carpet Mastic (with residual black mastic)</del> <b>Abated June 2014</b>	8% Chrysotile	1,327 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	None.	
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	135 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture and only on the south end of the room by the stairway.

**Room 142**

<del>9" Floor Tile and Mastic</del> <b>Abated June 2014</b>	Assumed	123 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs.
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\* = Non-Friable materials were not assessed

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LEGEND No. 0700048 (NDSU)  
DINAN HALL (BUILDING A009)

ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	123 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.
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**Room 146**

<del>9" Floor Tile and Mastic</del> <b>Abated June 2014</b>	Assumed	46 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs.
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**Room 148**

**Now Room 146 due to Room Number Change. Abated July 2007 (Kitchenette).**

<del>9" Floor Tile and Mastic</del>	Assumed	89 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs.
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**Room 150**

<del>Mastic for 12" White Floor Tile with Gray Marks</del> <b>Abated June 2014</b>	3% Chrysotile	19 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The mastic for 12" white floor tile with gray marks contains asbestos; the floor tile is negative.
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**Room 152**

<del>9" Floor Tile and Mastic</del> <b>Abated June 2014</b>	Assumed	5 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs.
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**Room 154**

<del>9" Floor Tile and Mastic</del> <b>Abated June 2014</b>	Assumed	19 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs.
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\* = Non-Friable materials were not assessed

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ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
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**Stairway 177S (west stairway)**

Window Caulk (on glass block windows)	5% Chrysotile	1 window	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block windows along the west wall.
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	176 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.

**Stairway 177S2 (east stairway)**

Window Caulk (on glass block windows)	5% Chrysotile	1 window	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block windows along the east wall.
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	176 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.

**Hallway 188**

<del>Carpet Mastic (with residual black mastic)</del> Abated June 2014	8% Chrysotile	1,365 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	None.
<del>Soft Acoustic Ceiling Texture</del> Abated June 2021	< 1-3% Chrysotile	1,365 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.

**Room 199W**

<del>Window Caulk (on glass block windows)</del> Abated Summer 2014	5% Chrysotile	4 windows	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block windows along the south wall
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\* = Non-Friable materials were not assessed

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ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**1<sup>st</sup> Floor Center Stairway**

Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	121 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.
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**Dorm Rooms 201, 202, 203, 204, 205, 206, 207, 209, 212, 213, 214, 218, 219, 220, 223, 224, 226, 227, and 228**

<del>9" Floor Tile and Mastic</del> <b>Abated June 2021</b>	Assumed	167 ft <sup>2</sup> each	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs; they are under the carpet in rooms 214 and 218.	
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	167 ft <sup>2</sup> each	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.

**Dorm Rooms 208 and 210**

<del>Mastic for 12" White Floor Tile with Gray Marks</del>	3% Chrysotile	167 ft <sup>2</sup> each	Non-friable Miscellaneous	N/A*	N/A*	N/A*	The mastic for 12" white floor tile with gray marks contains asbestos; the floor tile is negative.	
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	167 ft <sup>2</sup> each	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.

**Dorm Rooms 211, 215, 216, 217, 221, 222, and 225**

Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	167 ft <sup>2</sup> each	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.
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**Room 240** **Abated June 2021**

<del>Carpet Mastic (with residual black mastic)</del>	8% Chrysotile	419 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	None.
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\* = Non-Friable materials were not assessed



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<del>Soft Acoustic Ceiling Texture</del>	< 1-3% Chrysotile	419 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.
<b>Room 244</b>								
<del>9" Floor Tile and Mastic</del>	Assumed	46 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs.
<b>Abated June 2014</b>								
<b>Room 250</b>								
<del>9" Floor Tile and Mastic</del>	Assumed	5 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs.
<b>Abated June 2021</b>								
<b>Room 252</b>								
<del>9" Floor Tile and Mastic</del>	Assumed	19 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The 9" floor tile and mastic were assumed to be ACMs.
<b>Abated June 2021</b>								
<b>Stairway 277S (west stairway)</b>								
Window Caulk (on glass block windows)	5% Chrysotile	1 window	Non-friable Miscellaneous	N/A*	N/A*	N/A*	N/A*	The asbestos window caulk is on the glass block windows along the west wall.
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	176 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.
<b>Stairway 277S1 (center stairway)</b>								
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	121 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.

\* = Non-Friable materials were not assessed

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DINAN HALL (BUILDING A009)

ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Stairway 277S2 (east stairway)**

Window Caulk (on glass block windows)	5% Chrysotile	1 window	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block windows along the east wall.
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	176 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.

**Hallway 288** Abated June 2021

<del>Carpet Mastic (with residual black mastic)</del>	8% Chrysotile	1,365 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	None.
<del>Soft Acoustic Ceiling Texture</del>	< 1-3% Chrysotile	1,365 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.

**Room 299W**

<del>Window Caulk (on glass block windows)</del>	5% Chrysotile	4 windows	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block windows along the south wall
<span style="border: 1px solid red; padding: 2px;">Abated Summer 2014</span>								

**Dorm Rooms 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, and 328**

<del>9" Floor Tile and Mastic</del>	Assumed	167 ft <sup>2</sup> <b>each</b>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to be ACMs.
<span style="border: 1px solid red; padding: 2px;">Abated June 2021</span>								
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	167 ft <sup>2</sup> <b>each</b>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	None.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
DINAN HALL (BUILDING A009)

ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 340** Abated June 2021

<del>Carpet Mastic (with residual black mastic)</del>	8% Chrysotile	419 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	None.
<del>Soft Acoustic Ceiling Texture</del>	< 1-3% Chrysotile	419 ft <sup>2</sup>	Friable Surfacing	Good	Physical	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.
					Air Erosion	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		
					Vibration	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

**Room 344**

<del>9" Floor Tile and Mastic</del>	Assumed	46 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to be ACMs.
	<span style="border: 1px solid red; padding: 2px;">Abated June 2014</span>							

**Room 346** Abated July 2007

<del>9" Floor Tile and Mastic</del>	Assumed	89 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to be ACMs.
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**Room 348**

<del>9" Floor Tile and Mastic</del>	Assumed	19 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to be ACMs.
	<span style="border: 1px solid red; padding: 2px;">Abated June 2014</span>							

**Room 350** Abated June 2021

<del>9" Floor Tile and Mastic</del>	Assumed	5 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to be ACMs.
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**Room 352** Abated June 2021

<del>9" Floor Tile and Mastic</del>	Assumed	19 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The 9" floor tile and mastic were assumed to be ACMs.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
DINAN HALL (BUILDING A009)

ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
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**Stairway 377S (west stairway)**

Window Caulk (on glass block windows)	5% Chrysotile	1 window	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block windows along the west wall.
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	176 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.

**Stairway 377S1 (center stairway)**

Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	121 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.
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**Stairway 377S2 (east stairway)**

Window Caulk (on glass block windows)	5% Chrysotile	1 window	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block windows along the east wall.
Soft Acoustic Ceiling Texture	< 1-3% Chrysotile	176 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.

**Hallway 388** Abated June 2021

<del>Carpet Mastic (with residual black mastic)</del>	8% Chrysotile	1,365 ft <sup>2</sup>	Non-friable Miscellaneous	N/A*	N/A*		N/A*	None.
<del>Soft Acoustic Ceiling Texture</del>	< 1-3% Chrysotile	1,365 ft <sup>2</sup>	Friable Surfacing	Good	Physical Air Erosion Vibration	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	6	The asbestos soft acoustic ceiling texture is above the popcorn ceiling texture.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
DINAN HALL (BUILDING A009)

ROOM/ ACMS	ASBESTOS TYPE	EST. QUANTITY	ACMS TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
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**Room 399W**

<del>Window Caulk (on glass block windows)</del>	5% Chrysotile	4 windows	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos window caulk is on the glass block windows along the south wall
<b>Abated Summer 2014</b>								

**Exterior**

Window Caulk (on small windows)	5% Chrysotile	13 windows	Non-friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos exterior window caulk is on the small operable windows on the south side by rooms 4, 199W, 299W, and 399W.
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<sup>1</sup>Assessment Categories:

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

**End**