

# NARRATIVE REPORT

## 1.0 BUILDING INFORMATION

Van Es Hall was originally constructed in 1976; a 1998 addition extended the building to the west, adding an incinerator. Although specific information could not be located, small renovations are evident.

Van Es Hall is a two-story, 42,075 ft<sup>2</sup> building which primarily serves as office areas and work areas for veterinary personnel. Stevens Hall (A070) is attached via a tunnel to the east side of Van Es Hall and is reported separately. The tunnel (up to the area with ceiling tile) is included in this report.

The interior floor finishes included concrete, floor tile, wood, carpet, and epoxy flooring; the interior wall finishes included gypsum wallboard, ceramic block, brick, concrete, and concrete block; and the interior ceiling finishes included ceiling tile, gypsum wallboard, fiberboard, 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 building. A tank is located in the east basement room with hard insulation. Steam and domestic water enter the building via crawlspaces into the east basement room. HVAC systems located in the building consisted of steam radiators, steam unit heaters, and forced air furnaces with heating/cooling coils.

## 2.0 ASBESTOS SURVEY INFORMATION

Van Es Hall building was surveyed as part of a larger project on NDSU's Fargo, ND Campus. This report is part of "Volume 8" of a nine volume series. This report includes building specific information only; please refer to the opening section of "Volume 8" for methodologies, definitions, and other pertinent supporting information.

A total of 74 samples were collected from suspect asbestos-containing materials (ACM) from Van Es Hall on August 17, 2007, an additional 18 samples were collected on January 24, 2008, and an additional 1 sample was collected on July 25, 2007. Laboratory analysis results indicate **42 of these samples tested positive for asbestos.**

### 2.1 Suspect Materials Identified and Sampled

Floor Tile (3 types)	Floor Tile Mastic (3 types)
Ceiling Tile (4 types)	Joint Compound
Gypsum Wallboard	Sound Barrier Material
Ceiling Texture (2 types)	Carpet Mastic
Baseboard Adhesive	Building Seam Caulk
Fiberboard Decking	Incinerator Surfacing
Sink Undercoating (3 types)	Black Lab Countertop (2 types)
Curtain Material	Tank Insulation
Encapsulant on Fiberglass Insulation (7 types)	Chiller Gasket
Door Caulk	Exterior Door Caulk
Exterior Window Caulk	Exterior Building Seam Caulk
Wall Texture	Sink/Counter Undercoating

Fume Hood (2 types)  
Tar Pipe Wrap

Window Glazing  
Exterior Foundation Tar Coating

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

## 2.2 Asbestos Containing Materials

12" Beige Mottled Floor Tile with White/Brown/Blue and Mastic  
Mastic for 12" White/Off-White Floor Tile  
Joint Compound  
Black Sink Undercoating  
Encapsulant on Fiberglass Insulation (5 types)  
Tank #82-004-25 Insulation  
Ceiling Texture (in the Corridor to Stevens Hall)  
White Sink Undercoating (1 type)  
Black Sink/Counter Undercoating  
Transite Fume Hood  
Window Glazing  
Exterior Foundation Tar Coating

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 Van Es Hall as follows:

ACM	QUANTITY	UNIT COST	TOTAL COST
Asbestos Joint Compound	80,822 ft <sup>2</sup>	\$5.00/ ft <sup>2</sup>	\$404,110.00
Asbestos Floor Tile and Mastic	22,152 ft <sup>2</sup>	\$4.00/ ft <sup>2</sup>	\$88,608.00
Asbestos Sink/Counter Undercoating	4 ea	\$150.00/ ea	\$600.00
Asbestos Transite Fume Hood	6 ea	\$350.00/ ea	\$2,100.00
Asbestos Window Glazing (all types)	24 ea	\$225.00/ ea	\$5,400.00
Asbestos Encapsulant on Fiberglass Insulation	162 ft	\$25.00/ ea	\$4,050.00
Asbestos Tank #82-004-25 Insulation	54 ft <sup>2</sup>	\$75.00/ ft <sup>2</sup>	\$4,050.00
Asbestos Ceiling Texture	492 ft <sup>2</sup>	\$7.50/ ft <sup>2</sup>	\$3,690.00
Asbestos Foundation Tar Coating	172 ft	\$10.00/ft	\$1,720.00
<b>Total Estimated Abatement Costs:</b>			<b>\$514,328.00</b>

## 2.4 Survey Notes

LEGEND identified and sampled an exterior Foundation Tar Coating from the north and south sides of the corridor to Stevens Hall. This foundation tar coating tested positive for asbestos.

Encapsulant on Fiberglass Insulation was sampled throughout the building from: original vintage encapsulant (from hot water heating pipes, chilled water pipes, domestic cold water pipes, domestic hot water pipes, and steam pipes) and new "bright white" vintage (from pipes

supplying the equipment in room 119 and replacement material in the east basement room). The original vintage encapsulant tested positive for asbestos; the new "bright white" vintage encapsulant tested negative for asbestos. The original vintage encapsulant is found throughout both basement rooms, the crawlspace to the south of the east basement room, and in the attic. Although fiberglass insulation is present on pipes throughout the 1<sup>st</sup> floor above the ceiling systems, LEGEND did not identify any encapsulant in these locations.

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 101**

Joint Compound	3% Chrysotile	1,710 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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**Room 101A**

Joint Compound	3% Chrysotile	460 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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**Room 102**

Joint Compound	3% Chrysotile	1,296 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
Black Sink Undercoating	10% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink is in the northeast corner of the room.
Window Glazing	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is on the east wall by the door.

**Room 102A**

Joint Compound	3% Chrysotile	440 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
Window Glazing	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is on the east wall by the door.

\* = Non-Friable materials were not assessed

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ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 103**

Joint Compound	3% Chrysotile	854 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and the ceiling in this room.
Window Glazing	5% Chrysotile	3 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the south wall.
Black Sink Undercoating	10% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink is along the north wall of the room.

**Room 103B**

Joint Compound	3% Chrysotile	610 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and the ceiling in this room.
Window Glazing	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is on the south wall.

**Room 105**

Joint Compound	3% Chrysotile	2,360 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	1,320 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 106**

Joint Compound	3% Chrysotile	30ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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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12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	30 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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**Room 106A**

Joint Compound	3% Chrysotile	77 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
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**Room 107**

Joint Compound	3% Chrysotile	2,360 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	1,320 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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**Room 108**

Joint Compound	3% Chrysotile	1,480 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	540 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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Transite Fume Hood	15% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The transite fume hood is in the southwest corner of the room.
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**Room 108A**

Joint Compound	3% Chrysotile	552 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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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12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	112 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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**Room 110**

Joint Compound	3% Chrysotile	225 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	25 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 112**

Joint Compound	3% Chrysotile	350 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	50 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 114**

Joint Compound	3% Chrysotile	1,400 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	500 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 114A**

Joint Compound	3% Chrysotile	552 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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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12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	112 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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**Room 115**

Joint Compound	3% Chrysotile	2,189 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	749 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
Black Sink/Counter Undercoating	15% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink/counter with the asbestos undercoating is in the northeast corner of the room.

**Room 115A**

Joint Compound	3% Chrysotile	70 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
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**Room 115B**

Joint Compound	3% Chrysotile	628 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	208 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 115D**

Joint Compound	3% Chrysotile	1,000 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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\* = Non-Friable materials were not assessed



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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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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12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	240 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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**Room 115E**

Joint Compound	3% Chrysotile	704 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	64 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 115F**

Joint Compound	3% Chrysotile	588 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	108 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 116**

Joint Compound	3% Chrysotile	1,200 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	400 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 118**

Joint Compound	3% Chrysotile	560 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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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12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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**Room 119**

Joint Compound	3% Chrysotile	1,000 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
Mastic for 12" White/Off-White Floor Tile	3% Chrysotile	240 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The mastic contains asbestos the floor tile is negative.

**Room 122**

Joint Compound	3% Chrysotile	432 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	72 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 123**

Joint Compound	3% Chrysotile	464 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	84 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 124**

Joint Compound	3% Chrysotile	560 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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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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12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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**Room 125**

Joint Compound	3% Chrysotile	464 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	84 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 126**

Joint Compound	3% Chrysotile	1,200 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	400 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 128**

Joint Compound	3% Chrysotile	288 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	48 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 129**

Joint Compound	3% Chrysotile	815 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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**LEGEND TECHNICAL SERVICES, INC.**  
ACM LOCATIONS/FRIABLE MATERIALS ASSESSMENTS TABLE

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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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12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	175 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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**Room 130**

Joint Compound	3% Chrysotile	1,320 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	460 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
Transite Fume Hood	15% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The transite fume hood is along the south wall of the room.

**Room 130A**

Joint Compound	3% Chrysotile	532 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	112 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 131**

Joint Compound	3% Chrysotile	524 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	104 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

\* = Non-Friable materials were not assessed

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VAN ES HALL (BUILDING A082)

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**Room 132**

Joint Compound	3% Chrysotile	1,320 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	460 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 132A**

Joint Compound	3% Chrysotile	532 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	112 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 134**

Joint Compound	3% Chrysotile	2,360 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	48 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 136**

Joint Compound	3% Chrysotile	1,040 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	400 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 150**

Joint Compound	3% Chrysotile	920 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and the ceiling in this room.
Window Glazing	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is in the northeast corner of the room adjacent to the door.

**Room 150A**

Joint Compound	3% Chrysotile	590 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and the ceiling in this room.
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**Room 151**

Joint Compound	3% Chrysotile	1,256 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	416 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 151A**

Joint Compound	3% Chrysotile	450 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	70 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 152**

Joint Compound	3% Chrysotile	400 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls in this room.
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**Room 153**

Joint Compound	3% Chrysotile	960 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	280 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 154**

Joint Compound	3% Chrysotile	1,880 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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**Room 154A**

Joint Compound	3% Chrysotile	499 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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**Room 155**

Joint Compound	3% Chrysotile	591 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	131 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 155A**

Joint Compound	3% Chrysotile	325 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	45 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 157**

Joint Compound	3% Chrysotile	688 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	168 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 157A**

Abated April 2008

<del>Joint Compound</del>	3% Chrysotile	276 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	36 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 158**

Joint Compound	3% Chrysotile	2,064 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in most of this room.
Transite Fume Hood	15% Chrsotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The transite fume hood is along the south wall in this room.

\* = Non-Friable materials were not assessed



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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 158A**

Joint Compound	3% Chrysotile	880 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	240 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 159**

Joint Compound	3% Chrysotile	1,734 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	730 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 159A**

Joint Compound	3% Chrysotile	250 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	30 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 159B**

Joint Compound	3% Chrysotile	220 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	30 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 160**

Joint Compound	3% Chrysotile	560 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 161**

Joint Compound	3% Chrysotile	560 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 162**

Joint Compound	3% Chrysotile	440 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	80 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 164**

Joint Compound	3% Chrysotile	560 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 166** Ceiling plaster, not joint compound. Abated/removed June 2018

<del>Joint Compound</del>	3% Chrysotile	160 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
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**Room 166A** Ceiling plaster, not joint compound. Abated/removed June 2018

<del>Joint Compound</del>	3% Chrysotile	99 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
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**Room 166B** Ceiling plaster, not joint compound. Abated/removed June 2018

<del>Joint Compound</del>	3% Chrysotile	120 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
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**Room 168**

Joint Compound	3% Chrysotile	186 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	186 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
<del>Window Glazing</del> <span style="border: 1px solid red; padding: 2px;">Abated June 2018</span>	5% Chrysotile	3 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are in the west wall of the room.

**Room 168A**

Joint Compound	3% Chrysotile	30 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	30 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
Window Glazing	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is in the west wall of the room.

**Room 169**

Joint Compound	3% Chrysotile	530 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	110 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 171**

Joint Compound	3% Chrysotile	1,400 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	500 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 171A**

Joint Compound	3% Chrysotile	380 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	60 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 173**

Joint Compound	3% Chrysotile	560 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 174** Now split into two rooms, 172&174

<del>Joint Compound</del>	3% Chrysotile	300 ft <sup>2</sup>	Non-Friable	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
Ceiling plaster, not joint compound. Abated/removed June 2018								
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	300 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
Window Glazing	5% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The window is in the northwest corner of the room.

**Room 176A** Now split into two rooms, 172&174 Ceiling plaster, not joint compound. Abated/removed June 2018

<del>Joint Compound</del>	3% Chrysotile	255 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
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**Room 178**

Joint Compound	3% Chrysotile	90 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 180**

Joint Compound	3% Chrysotile	60 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	60 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 180A** Now 182B

Joint Compound	3% Chrysotile	168 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	168 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

Abated March 2024

**Room 182**

Joint Compound	3% Chrysotile	1,480 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the north, east, and south walls and the ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	640 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
<del>Transite Fume Hood</del>	15% Chrysotile	3 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The transite fume hoods are along the north wall.

Abated March 2024

**Room 182A**

Joint Compound	3% Chrysotile	830 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile <b>Abated March 2024</b>	210 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
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**Room 183**

Joint Compound	3% Chrysotile	560 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	120ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 184**

Joint Compound	3% Chrysotile	500 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile <b>Abated March 2024</b>	100 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 185**

Joint Compound	3% Chrysotile	1,200 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	400 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 185A**

Joint Compound	3% Chrysotile	440 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	80 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 186**

Joint Compound	3% Chrysotile	499 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	99 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 187 (and small hallway off the southwest corner of the room)**

Joint Compound	3% Chrysotile	2,648 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	1,460 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 187A** Abated April 2008

<del>Joint Compound</del>	3% Chrysotile	354 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	54 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 187B** Abated April 2008

<del>Joint Compound</del>	3% Chrysotile	250 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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\* = Non-Friable materials were not assessed



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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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>Mastic for 12" White/Off-White Floor Tile</del>	3% Chrysotile	30 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 187C**

Joint Compound	3% Chrysotile	992 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	192 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 187D**

Joint Compound	3% Chrysotile	377 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	55 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 187E**

Joint Compound	3% Chrysotile	464 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	84 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 187G**

Joint Compound	3% Chrysotile	496 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	96 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 188 (including south main entry- by rooms 101/150)**

Joint Compound <b>Ceiling of area outside 101 and S Entry abated December 2011</b>	3% Chrysotile	4,074 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls throughout the hallway and also on the ceilings in the south main entry and south part of the hallway.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	1,764 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
Window Glazing	5% Chrysotile	6 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the east wall of the south section of the hallway (between rooms 101/103B); they are exterior windows.

**Room 188B**

Joint Compound	3% Chrysotile	736 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls throughout the hallway.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	276 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 188C**

Joint Compound	3% Chrysotile	544 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls throughout the hallway.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	204 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 188D**

Joint Compound	3% Chrysotile	1,120 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls throughout the hallway.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	420 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
Window Glazing	5% Chrysotile	4 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	2 windows are between the doors for rooms 152/154 and 2 are between the doors for rooms 158/160 on the south wall of the hallway.

**Room 188E**

Joint Compound	3% Chrysotile	624 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls throughout the hallway.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	468 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 188F**

Joint Compound	3% Chrysotile	170 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on ceiling in this room.
Window Glazing	5% Chrysotile	3 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the west wall of this room, around the exit door.

**Room 188G**

Joint Compound	3% Chrysotile	1,760 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls throughout the hallway.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSES. CAT. <sup>1</sup>	NOTES
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	696 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 188H**

Joint Compound	3% Chrysotile	54 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	54 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
Window Glazing	5% Chrysotile	2 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	1 window is on the north end of the entry and 1 window is on the south end of the entry. Both windows are adjacent to the doors.

**Room 188J**

Joint Compound	3% Chrysotile	54 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	54 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
Window Glazing	5% Chrysotile	2 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	1 window is on the north end of the entry and 1 window is on the south end of the entry. Both windows are adjacent to the doors.

**Room 189**

Joint Compound	3% Chrysotile	816 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and ceiling in this room.
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\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	216 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
	Abated December 2019							

**Room 190**

<del>Joint Compound</del>	3% Chrysotile	600 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls in this room.
	Abated June 2018							
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	200 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 191**

Joint Compound	3% Chrysotile	560 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and the ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
	Abated December 2019							

**Room 193** Abated July 2021

<del>Joint Compound</del>	3% Chrysotile	1,279 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and the ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	479 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.
<del>White Sink Undercoating</del>	15% Chrysotile	1 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The sink is in the southwest corner of the room.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 195**

Joint Compound	3% Chrysotile	560 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and the ceiling in this room.
<del>12" Beige Mottled FT with White/ Brown/ Blue and Mastic</del>	3% Chrysotile	120 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

Abated April 2021

**Room 199M**

Joint Compound	3% Chrysotile	496 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on north, east, and south walls and the ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	96 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 199M1**

Joint Compound	3% Chrysotile	556 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on north, east, and south walls and the ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	136 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 199M2**

Joint Compound	3% Chrysotile	96 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	96 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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 199W**

Joint Compound	3% Chrysotile	496 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on north, west, and south walls and the ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	96 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 199W1**

Joint Compound	3% Chrysotile	556 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on north, west, and south walls and the ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	136 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Room 199W2**

Joint Compound	3% Chrysotile	96 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	96 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Attic**

Joint Compound	3% Chrysotile	110 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the south wall in this room.
Encapsulant on Fiberglass Insulation	2% Chrysotile	46 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	Refer to Section 2.4 Survey Notes for more information.

\* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)  
VAN ES HALL (BUILDING A082)

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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**Basement- East Room**

Encapsulant on Fiberglass Insulation	2% Chrysotile	102 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	Refer to Section 2.4 Survey Notes for more information.
<del>Tank #82-004-25</del> Insulation	5% Chrysotile <b>Abated Fall 2014</b>	54 ft <sup>2</sup>	Friable TSI	Damaged	Physical <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Air Erosion <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1	The insulation is on tank #82-004-25, the hot water heater, on the east end of the room.

**Basement- West Room**

Encapsulant on Fiberglass Insulation	2% Chrysotile	3 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	Refer to Section 2.4 Survey Notes for more information.
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**Crawlspaces (south of the east basement room)**

Encapsulant on Fiberglass Insulation	2% Chrysotile	11 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	Refer to Section 2.4 Survey Notes for more information. The encapsulant is in the crawlspace south of the east basement room.
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**Janitor's Room (with stairway to attic)**

Joint Compound	3% Chrysotile	428 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The joint compound is on the walls and the ceiling in this room.
12" Beige Mottled FT with White/ Brown/ Blue and Mastic	3% Chrysotile	108 ft <sup>2</sup>	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The floor tile and the mastic contain asbestos.

**Corridor to Stevens Hall**

Ceiling Texture	0-3% Chrysotile	492 ft <sup>2</sup>	Non-Friable Surfacing	N/A*	N/A*		N/A*	The ceiling texture is throughout the hallway to Stevens Hall.
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**Except the portion just west of the double doors coming from Van Es--Abated June 2010.**

\* = Non-Friable materials were not assessed



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

LEGEND No. 0700048 (NDSU)  
 VAN ES HALL (BUILDING A082)

ROOM/ ACM	ASBESTOS TYPE	EST. QUANTITY	ACM TYPE	MATERIAL CONDITION	DAMAGE POTENTIAL	LOW MOD HIGH	ASSESS. CAT. <sup>1</sup>	NOTES
Window Glazing	5% Chrysotile	3 ea	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The windows are on the north wall of the tunnel; they are exterior windows.

**Exterior**

Foundation Tar Coating	20% Chrysotile	172 ft	Non-Friable Miscellaneous	N/A*	N/A*		N/A*	The asbestos coating is on both the north and south side of the exterior of the corridor to Stevens Hall.
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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**