

NARRATIVE REPORT

1.0 BUILDING INFORMATION

Ladd Hall was originally constructed in 1909; the building has had several renovations, notably, a 1974-1978 multi-phase renovation throughout the building.

Ladd Hall is a five-story, 33,054 ft² building which primarily serves as office areas and work areas for chemistry personnel. Dunbar Hall (A015) and Hultz Hall (A026) are attached via skyways to the north side of Ladd Hall and are each reported separately. The skyways are included in the Dunbar Hall report.

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

The piping systems were insulated; fiberglass insulation (with and without hard fittings) is located in the building and a limited quantity of mag block insulation (with hard fittings) is located in room 209. Steam and domestic water enter the building in the basement mechanical room. HVAC systems located in the building consisted of steam radiators and forced air furnaces with heating/cooling coils.

2.0 ASBESTOS SURVEY INFORMATION

Ladd 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.

A total of 129 samples were collected from suspect asbestos-containing materials (ACM) from Ladd Hall on August 14, 2007 and an additional 29 samples were collected on January 8, 2008. Laboratory analysis results indicate **49 of these samples tested positive for asbestos.**

2.1 Suspect Materials Identified and Sampled

| | |
|------------------------------------------------|------------------------------------------|
| Joint Compound (4 types) | Gypsum Wallboard (4 types) |
| Ceiling Texture | Sink Undercoating (3 types) |
| Penetration Putty (on electric conduit) | Sealant Material (around base of pillar) |
| HVAC Duct Caulk | Glue Pucks (for 1'x1' CT) |
| Floor Tile (3 types) | Floor Tile Mastic (3 types) |
| Floor Filler Material (2 types) | Black Lab Countertop (12 types) |
| Baseboard Adhesive (3 types) | Carpet Mastic (4 types) |
| Ceiling Tile (8 types) | Hard Plaster- Basecoat (2 types) |
| Hard Plaster- Skimcoat (2 types) | Mag Block Pipe Insulation |
| Hard Fittings on Mag Block Insulation | Hard Fitting on Fiberglass Insulation |
| Brown Felt Material (on ceiling concrete) | Fibrous Debris (on pillar) |
| Encapsulant on Fiberglass Insulation (5 types) | HVAC Canvas Connector |
| Exterior Building Seam Caulk (2 types) | Exterior Window Caulk (2 types) |
| Exterior Door Caulk | Window Glazing (2 types) |

Transite Fume Hood (4 types)
 Hard Encapsulant Fitting on Fiberglass Insulation

Window Sill Material

The Asbestos Bulk Sample Results Table includes asbestos sampling data.

2.2 **Asbestos Containing Materials**

Joint Compound (2 types)
 Sink Undercoating (3 types)
 Mastic for 12" Gray/Dark Gray Floor Tile
 Hard Plaster- Basecoat (walls only)
 Hard Plaster- Skimcoat (walls only)
 Mag Block Pipe Insulation
 Hard Fittings on Mag Block Insulation
 Hard Fittings on Fiberglass Insulation
 Encapsulant on Fiberglass Insulation (2 types)
 Fibrous Debris (on pillar)
 Window Glazing (1 type)
 Transite Fume Hood (4 types)
 Black Lab Countertop (1 type)
 9" Floor Tile and Mastic (assumed)
 Exterior Window Glazing (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 Ladd Hall as follows:

| ACM | QUANTITY | UNIT COST | TOTAL COST |
|-------------------------------------------------|------------------------|-------------------------|---------------------|
| Asbestos Floor Tile and/or Mastic | 6,795 ft ² | \$4.00/ ft ² | \$27,180.00 |
| Asbestos Sink Undercoating | 7 ea | \$150.00/ ea | \$1,050.00 |
| Asbestos Window Glazing | 4 ea | \$225.00/ ea | \$900.00 |
| Asbestos Fibrous Debris (on pillar) | 1 ea | \$60.00/ ea | \$60.00 |
| Asbestos Encapsulant on Fiberglass Insulation | 142 ft | \$25.00/ ft | \$3,550.00 |
| Asbestos Black Lab Countertop | 1 ea | \$350.00/ea | \$350.00 |
| Asbestos Plaster (walls only) | 51,954 ft ² | \$5.00/ ft ² | \$259,770.00 |
| Asbestos Joint Compound | 15,685 ft ² | \$5.00/ ft ² | \$78,425.00 |
| Asbestos Hard Fittings on Fiberglass Insulation | 3 ea | \$60.00/ ea | \$180.00 |
| Asbestos Mag Block Pipe Insulation | 33 ft | \$25.00/ ft | \$825.00 |
| Asbestos Hard Fitting on Mag Block Insulation | 6 ea | \$25.00/ ea | \$150.00 |
| Asbestos Transite Fume Hoods | 15 ea | \$350.00/ ea | \$5,250.00 |
| Total Estimated Abatement Costs: | | | \$377,690.00 |

2.4 Survey Notes

Encapsulant on Fiberglass Insulation was sampled throughout the building from: steam pipes supplying AHUs; chilled water pipes supplying AHUs; domestic water pipes; chilled water pipes (new "bright white" vintage); and steam pipes. The encapsulant on the steam pipes supplying the AHUs and chilled water pipes supplying the AHUs tested positive for asbestos, only. These pipes were installed in 1974/1975 during renovation activities that installed AHUs in the basement and room 401.

The steam pipes supplying AHUs originate in the basement and supply the AHUs in the basement and the attic, only. They are present throughout room 401 and on the three west AHUs in room 3B; the remainder of the steam pipes supplying AHUs in the basement have a newer replacement vintage of fiberglass insulation on them.

The chilled water pipes supplying AHUs originate in the basement and supply AHUs in the basement and the attic, only. They are present throughout room 401; all chilled water pipes supplying AHUs in the basement have a newer replacement vintage of fiberglass insulation on them.

The steam pipes supplying AHUs and chilled water pipes supplying AHUs also run from the basement to room 401 inside a pipe chase on the west side of Ladd Hall; this pipe chase was inaccessible. LEGEND recommends assuming the ACM encapsulant is on the steam pipes supplying AHUs and chilled water pipes supplying AHUs inside the pipe chase until a destructive survey can be conducted for a final visual verification.

LEGEND collected samples of Hard Plaster (skimcoat and basecoat) throughout the building from ceilings and walls. All ceiling hard plaster (skimcoat and basecoat) tested negative for asbestos and all wall hard plaster (skimcoat and basecoat) tested positive for asbestos. The wall hard plaster (skimcoat and basecoat) is throughout the building, primarily under gypsum wallboard (this is not noted in the ACM Locations/Friable Materials Assessments Table).

LEGEND collected samples of joint compound on gypsum wallboard throughout the building. LEGEND used available architectural drawings to define homogenous areas of joint compound; walls were identified as having been constructed in 1974, 1975, 1978, or 1991. Each vintage of joint compound was sampled as an independent homogeneous area. A review of the results indicates the 1974 and 1975 vintages contain asbestos. The 1974 vintage is throughout the 3rd floor; the 1975 vintage is throughout rooms 104-104L, the pipe chase on the west end of hallway 288A, and between rooms 300/300A.

LEGEND identified and collected samples from 12 separate types (homogeneous areas) of black lab countertops in Ladd Hall. Only one tested positive for asbestos (sample #156): the black lab countertop in room 204 in the center of the west wall (the countertop in the northwest corner is wood).

LEGEND sampled Hard Fittings on Fiberglass Insulation in two locations on the first floor (in hallway 188B and room 104K); these were mudded material on elbows with a canvas wrap. In addition, LEGEND sampled a Hard Encapsulant Fitting on Fiberglass Insulation in room 209; this was a thick layer of encapsulant on an elbow without a canvas wrap. The Hard Fittings on Fiberglass Insulation tested positive for asbestos; the Hard Encapsulant Fittings on Fiberglass Insulation tested negative for asbestos.

LEGEND observed black lab countertops and transite panels being used as mobile workbenches in the building. These black lab countertops and transite panels are not building materials and were not sampled or quantified by LEGEND during the asbestos survey. LEGEND recommends assuming these materials to be ACM.

Exterior Window Glazing is present on the west end of Ladd Hall on the 4th and 5th floor levels. The window glazing is inaccessible from the exterior and the interior of the building. LEGEND assumed this material to contain asbestos.

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Room 1

| | | | | | | | | |
|------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|
| Mastic for 12" Gray/Dark Gray Floor Tile | 2% Chrysotile | 126 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The mastic contains asbestos, the floor tile is negative. |
|------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|

Room 1A

| | | | | | | | | |
|------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|
| Mastic for 12" Gray/Dark Gray Floor Tile | 2% Chrysotile | 603 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The mastic contains asbestos, the floor tile is negative. |
|------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|

Room 1B

| | | | | | | | | |
|-------------------------------------------------------------|----------------|---------------------|------------------------------|------|------|--|------|---------------------------------------------------------------------------------|
| Mastic for 12" Gray/Dark Gray Floor Tile | 2% Chrysotile | 825 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The mastic contains asbestos, the floor tile is negative. |
| Gray Sink Undercoating | 10% Chrysotile | 1 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The sink with the asbestos undercoating is in the southeast corner of the room. |

Room 1C

| | | | | | | | | |
|------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|
| Mastic for 12" Gray/Dark Gray Floor Tile | 2% Chrysotile | 264 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The mastic contains asbestos, the floor tile is negative. |
|------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|

Room 2

| | | | | | | | | |
|------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|
| Mastic for 12" Gray/Dark Gray Floor Tile | 2% Chrysotile | 120 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The mastic contains asbestos, the floor tile is negative. |
|------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|

Room 2A Abated Sep 2022

| | | | | | | | | |
|-------------------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|
| Mastic for 12" Gray/Dark Gray Floor Tile | 2% Chrysotile | 840 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The mastic contains asbestos, the floor tile is negative. |
|-------------------------------------------------------------|---------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------|

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------|------------------------------|--------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------|
| Dark Brown Sink Undercoating | 8% Chrysotile | 1 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The sink with the asbestos undercoating is in the southeast corner of the room. |
| Room 3 Abated Dec 2021 | | | | | | | | |
| Mastic for 12" Gray/Dark Gray Floor Tile | 2% Chrysotile | 1,060 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The mastic contains asbestos, the floor tile is negative. |
| Room 3A Abated Dec 2021 Now Room 03C | | | | | | | | |
| Mastic for 12" Gray/Dark Gray Floor Tile | 2% Chrysotile | 230 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The mastic contains asbestos, the floor tile is negative. |
| Room 3B | | | | | | | | |
| Fibrous Debris on Pillar | 35% Chrysotile | 1 ea | Friable Miscellaneous | Significantly Damaged | Physical Air Erosion Vibration | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> | 4 | The fibrous debris is in a small pile on top of a pillar in the southwest corner of the room. |
| Encapsulant on Fiberglass Insulation | 5-15% Chrysotile | 54 ft | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The encapsulant is on the steam/chilled water pipes leading to and supplying the AHUs only. |
| Hallway 88 | | | | | | | | |
| Mastic for 12" Gray/Dark Gray Floor Tile | 2% Chrysotile | 687 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The mastic contains asbestos, the floor tile is negative. |
| Room 101 Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 225 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall and part of the east wall in this room. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSES. CAT. ¹ | NOTES |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Room 101A Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 300 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and west wall in this room. |
| Room 101B Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 150 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the west wall in this room. |
| Room 101C Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 330 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the west and south walls in this room. |
| Room 101D Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 150 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this room. |
| Room 103 Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 600 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the walls in this room. |
| Room 104 (including the entry to room 104 from hallway 188 and the hallway to the north and west from room 104) Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 750 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the east and south walls in this room and the north wall in the entry to room 104 from hallway 188. |
| Joint Compound | 3% Chrysotile | 847 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in room 104 and all walls in the hallway to the north and west from room 104. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Room 104A Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|--------------------|--------------------------|------|------|--|------|-------------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 48 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this room. |
|-----------------------------------------------------------------|------------------|--------------------|--------------------------|------|------|--|------|-------------------------------------------------------------------|

Room 104B Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 360 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and east walls in this room. |
| Joint Compound | 3% Chrysotile | 400 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |

Room 104C Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-------------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 150 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this room. |
| Joint Compound | 3% Chrysotile | 400 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |

Room 104D Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-------------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 150 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this room. |
| Joint Compound | 3% Chrysotile | 400 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Room 104E Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-------------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 150 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this room. |
| Joint Compound | 3% Chrysotile | 400 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |

Room 104F Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-------------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 150 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this room. |
| Joint Compound | 3% Chrysotile | 400 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |

Room 104G Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 360 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and west walls in this room. |
| Joint Compound | 3% Chrysotile | 480 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |

Room 104H Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|------------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 120 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the west wall in this room. |
| Joint Compound | 3% Chrysotile | 380 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Room 104J Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 120 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south and west walls in this room. |
| Joint Compound | 3% Chrysotile | 380 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |

Room 104K Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|-----------------------------------|---------------------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|--------------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 135 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this room. |
| Joint Compound | 3% Chrysotile | 500 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |
| Hard Fittings on Fiberglass insulation | 0-25% Chrysotile 0-35% Amosite | 1 ea | Friable TSI | Significantly Damaged | Physical <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Air Erosion <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Vibration <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | 1 | The hard fitting is above the ceiling tile in the north end of the room. |

Room 104L Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|------------------------------|------|------|--|------|---------------------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 135 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this room. |
| Joint Compound | 3% Chrysotile | 500 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on all walls in this room. |
| Pink Sink Undercoating | 5% Chrysotile | 1 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The sink with the asbestos undercoating 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)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSES. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|-----------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|-----------------------------|-------|

Room 105 Abated Apr 2022

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|------------------------------|------|------|--|------|-------------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 475 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, south, and east walls in this room (including all wall shared with room 103). |
| Transite Fume Hood | 15% Chrysotile | 4 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 4 asbestos transite fume hoods are along the east wall in this room. |

Room 106 Now Part of 188B

| | | | | | | | | |
|----------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 240 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and east walls in this room. Partial Abated Apr 2022 |
|----------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Room 107

| | | | | | | | | |
|----------------------------------------------------|------------------|-----------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 2,880 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the wall in this room. |
|----------------------------------------------------|------------------|-----------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------|

Room 107A Now Part of 105

| | | | | | | | | |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 300 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and east walls in this room. |
|-----------------------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------------|

Room 108

| | | | | | | | | |
|----------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 104 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and west walls in this room. South Partial Abated Apr 2022 |
|----------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Room 110

| | | | | | | | | |
|----------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|----------------------------------------------------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 420 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north , east, and south walls in this room and part of the west wall. |
|----------------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|----------------------------------------------------------------------------------------------------------------|

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Room 112 Abated Apr 2022 | Now Part of 114

| | | | | | | | | |
|----------------------------------------------------|------------------|-----------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,680 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the wall in this room. |
|----------------------------------------------------|------------------|-----------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------|

Room 114 Abated Apr 2022

| | | | | | | | | |
|----------------------------------------------------|------------------|-----------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------|
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,820 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the wall in this room. |
|----------------------------------------------------|------------------|-----------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------|

Stairway 177S (1st floor level only, 2nd floor level is 277S1)

| | | | | | | | | |
|----------------------------------------------------|------------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 132 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this stairway. |
| 9" Floor Tile and Mastic | Assumed | 55 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

Stairway 177S1

| | | | | | | | | |
|----------------------------------------------------|------------------|--------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 50 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the wall in the southwest corner of this stairway. |
|----------------------------------------------------|------------------|--------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------------------------|

Stairway 177S2 (1st floor level only, 2nd floor level is 277S2)

| | | | | | | | | |
|----------------------------------------------------|------------------|---------------------|------------------------------|------|------|--|------|-----------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 132 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this stairway. |
| 9" Floor Tile and Mastic | Assumed | 55 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSES. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|-----------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|-----------------------------|-------|

Hallway 188

| | | | | | | | | |
|---------------------------------------------|------------------|--------------------|-----------------------|------|------|--|------|--------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 960ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall and part of the north in this hallway. |
|---------------------------------------------|------------------|--------------------|-----------------------|------|------|--|------|--------------------------------------------------------------------------------------------|

Entry 188A

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|--------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 240 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, south, and west walls in this entry. |
| Window Glazing | 10% Chrysotile | 2 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | One window is on the east wall between the entry doors and one window is on the west wall between the entry doors. |

Hallway 188B (including the hallway to leading to Dunbar Hall)

| | | | | | | | | |
|------------------------------------------------------------------------------------|-----------------------------------|-----------------------|-----------------------|------|--------------------------------------|-------------------|------|------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,920 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is throughout this hallway; refer to the ACM Locations Diagram for further information. |
| Hard Fittings on Fiberglass Insulation Abated Summer 2022 | 0-25% Chrysotile 0-35% Amosite | 2 ea | Friable TSI | Good | Physical Air Erosion Vibration | ■□□ □■□ □□■ | 6 | The hard fittings are above the ceiling tile in the southeast corner of the hallway, by the entry to stairway 177S2. |

Entry 188c

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|--------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 240 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, east, and south walls in this entry. |
| Window Glazing | 10% Chrysotile | 2 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | One window is on the east wall between the entry doors and one window is on the west wall between the entry doors. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSES. CAT. ¹ | NOTES |
|--------------------------------------------------------------------------|------------------|-----------------------|------------------------------|-----------------------|---------------------|--------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Room 199M Abated June 2017 Now Part of 199 U1 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 900 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north South walls in this room. |
| Room 200 | | | | | | | | |
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,170 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, south, and west walls in this room. |
| Joint Compound | 3% Chrysotile | 180 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the east wall in this room. |
| Room 200A Abated Apr 2022 Now Room 201 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,520 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, south, and west walls in this room; to include all walls shared with room 200A1. |
| Room 200A1 Abated Apr 2022 Now Room 201A | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 690 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the walls in this room. |
| Room 202 | | | | | | | | |
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 885 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this room and parts of the north and west wall. |
| Transite Fume Hood | 15% Chrysotile | 1 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The asbestos transite fume hood is along the east wall. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSES. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|-----------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|-----------------------------|-------|

Room 202B

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 360 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and west walls in this room. |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-----------------------------------------------------------------------------|

Room 204

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|----------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 720 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, east, and south walls in this room. |
| Transite Fume Hood | 15% Chrysotile | 1 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The asbestos transite fume hood is along the west wall. |
| Black Lab Countertop | 10% Chrysotile | 1 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The black lab countertop is along the west wall. (It is the south black lab countertop, the north one is wood) |

Room 205 and 205B (205 now the hallway with acm on north wall) Abated Apr 2022

| | | | | | | | | |
|--------------------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 390 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and west walls in this room. |
| Transite Fume Hood | 15% Chrysotile | 1 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The asbestos transite fume hood is in the northwest corner of the room. |

Room 205A Abated Apr 2022

| | | | | | | | | |
|--------------------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 270 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and east walls in this room. |
|--------------------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-----------------------------------------------------------------------------|

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|--------------------------|-----------------------|---------------------|--------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Room 205A1 Now part of room 205A Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 90 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the west wall in this room. ↑ east |
| Room 205B--see Room 205 | | | | | | | | |
| Room 205C Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 30 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is in the northwest corner of the room (small section). |
| Room 205C1 Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 180 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the east wall in this room. |
| Room 205C2 Abated Apr 2022 | | | | | | | | |
| Hard Plaster= Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 300 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this room. |
| Room 206 | | | | | | | | |
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 600 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the east, south, and west walls in this room. |
| Room 207 | | | | | | | | |
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 150 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the east and west walls in this room. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Room 208

| | | | | | | | | |
|--------------------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 780 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south and west walls in this room. |
| 9" Floor Tile and Mastic Abated Oct 2022 | Assumed | 660 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

Room 208A

| | | | | | | | | |
|--------------------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 270 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and west walls in this room. |
| 9" Floor Tile and Mastic Abated Oct 2022 | Assumed | 180 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

Room 208B

| | | | | | | | | |
|--------------------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|-------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 130 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this room. |
| 9" Floor Tile and Mastic Abated Oct 2022 | Assumed | 100 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

Room 208C

| | | | | | | | | |
|--------------------------------------------------------|------------------|-----------------------|---------------------------|------|------|--|------|-------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,110 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, east, and south walls in this room. |
| 9" Floor Tile and Mastic Abated Oct 2022 | Assumed | 660 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSES. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|-----------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|-----------------------------|-------|

Room 209

| | | | | | | | | |
|--------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------------|-----------------------|----------|-----|------|-------------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 2,640 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the walls in this room. |
| Mag Block Pipe Insulation With 309 Remodel, Jan 2008 | 35% Amosite | 33 ft | Friable TSI | Significantly Damaged | Physical | ■□□ | 1 | The mag block pipe insulation is above the ceiling tile. Approx. 30ft is along the east wall and 3 ft is along the west wall. |
| Hard Fittings on Mag Block Insulation With 309 Remodel, Jan 2008 | 10% Chrysotile 2% Amosite | 6 ea | Friable TSI | Damaged | Physical | ■□□ | 1 | The hard fittings are on the mag block insulation on the east end of the room, above the ceiling tile. |

Room 209A Abated Apr 2022 Now Part of 205F

| | | | | | | | | |
|--------------------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 240 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the east and south walls in this room. |
|--------------------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-----------------------------------------------------------------------------|

Room 214

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 720 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, east, and south walls in this room. |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-------------------------------------------------------------------------------------|

Stairway 277S (2nd floor level only, 3rd floor level is 377S)

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 132 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this stairway. |
| Joint Compound | 3% Chrysotile | 96 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the west wall in this stairway. |
| 9" Floor Tile and Mastic | Assumed | 55 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Stairway 277S1 (2nd floor level only, 1st floor level is 177S)

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|-----------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 132 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this stairway. |
| 9" Floor Tile and Mastic | Assumed | 55 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

Stairway 277S2 (2nd floor level only, 1st floor level is 177S2)

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|-----------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 132 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this stairway. |
| 9" Floor Tile and Mastic | Assumed | 55 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

Stairway 277S3 (2nd floor level only, 3rd floor level is 377S1)

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|---------------------------|------|------|--|------|-----------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 132 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this stairway. |
| 9" Floor Tile and Mastic | Assumed | 55 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

Hallway 288 (including the hallway to leading to Dunbar Hall)

| | | | | | | | | |
|---------------------------------------------|------------------|-----------------------|-----------------------|------|------|--|------|------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,236 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is throughout this hallway; refer to the ACM Locations Diagram for further information. |
|---------------------------------------------|------------------|-----------------------|-----------------------|------|------|--|------|------------------------------------------------------------------------------------------------------------------------|

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Hallway 288A

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 384 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is throughout this hallway; refer to the ACM Locations Diagram for further information. |
| Joint Compound | 3% Chrysotile | 468 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound is on the west wall in this hallway. |

Hallway 288B

| | | | | | | | | |
|---------------------------------------------|------------------|-----------------------|-----------------------|------|------|--|------|------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,236 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is throughout this hallway; refer to the ACM Locations Diagram for further information. |
|---------------------------------------------|------------------|-----------------------|-----------------------|------|------|--|------|------------------------------------------------------------------------------------------------------------------------|

Room 299W

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 150 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the west wall in this room. |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|------------------------------------------------------------------|

Room 299M

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-----------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 330 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the west and north walls in this room. |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-----------------------------------------------------------------------------|

Room 300

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|--------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 240 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall and part of the south wall in this room. |
| Joint Compound | 3% Chrysotile | 516 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the east and west walls and part of 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)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSES. CAT. ¹ | NOTES |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------|------------------------------|-----------------------|---------------------|--------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Room 300A Now Part of 300 | | | | | | | | |
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 690 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, south, and west walls in this room. |
| Joint Compound Abated Oct 2022 | 3% Chrysotile | 180 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the east and wall in this room. |
| Room 304 Abated June 2017 Now Split into Rooms 302 and 306 | | | | | | | | |
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 2,800 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the walls in this room. |
| Transite Fume Hood | 15% Chrysotile | 2 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 2 asbestos transite fume hoods are in the north end of the room on the center counter. |
| Room 306 Now Room 304 | | | | | | | | |
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 75 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this room. |
| Joint Compound | 3% Chrysotile | 210 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the east, south, and west walls in this room. |
| Room 307 Now Room 318 | | | | | | | | |
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,680 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the walls in this room. |
| Joint Compound | 3% Chrysotile | 1,380 ft ² | Non-Friable | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the north, south, and west walls in this room. North Wall, portion covered up by new wall 2022--Check FM Records |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSES. CAT. ¹ | NOTES |
|--------------------------------------------------------------|------------------|-----------------------|------------------------------|-----------------------|---------------------|--------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Transite Fume Hood Abated Nov 2022 | 15% Chrysotile | 2 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 2 asbestos transite fume hoods are in the north end of the room. |
| Pink Sink Undercoating Abated Fall 2022 | 5% Chrysotile | 2 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 2 sinks with asbestos undercoating are along the north wall. |
| Room 308 Now Room 310 | | | | | | | | |
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 2,200 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the walls in this room. |
| Joint Compound | 3% Chrysotile | 2,200 ft ² | Non-Friable | N/A* | N/A* | | N/A* | South Wall, portion covered up by new wall 2022--Check FM Records The joint compound with asbestos is on all the walls in this room. |
| Transite Fume Hood Abated Fall 2022 | 15% Chrysotile | 2 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 2 asbestos transite fume hoods are in the south end of the room. |
| Pink Sink Undercoating Abated Fall 2022 | 5% Chrysotile | 2 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 2 sinks with asbestos undercoating are along the south wall. |
| Room 308A Now Rooms 399 U1-3 | | | | | | | | |
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 450 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the east and south walls in this room. |
| Joint Compound Abated April 2023 | 3% Chrysotile | 450 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the north and west walls in this room. |

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Room 308B Now Room 399U

| | | | | | | | | |
|----------------------------------------------------------------------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|-------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 270 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north and east walls in this room. |
| Joint Compound Abated April 2023 | 3% Chrysotile | 270 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the south and west walls in this room. |

Room 309 Now Room 316

| | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------|------------------|-----------------------|---------------------------|------|------|--|------|-----------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 2,880 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the walls in this room. |
| Joint Compound | 3% Chrysotile | 450 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on parts of the south and north walls in this room. |
| Transite Fume Hood Remodel Jan 2008 | 15% Chrysotile | 2 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 2 asbestos transite fume hoods are in the northwest corner of the room. |

Room 309A Now Room 316A

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 360 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, east, and west walls in this room. |
| Joint Compound | 3% Chrysotile | 120 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the south wall in this room. |

Room 309B Now Room 318A

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 600 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the east, south, and west walls in this room. |
|---------------------------------------------|------------------|---------------------|-----------------------|------|------|--|------|------------------------------------------------------------------------------------|

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|----------------|---------------|--------------------|--------------------------|-----------------------|---------------------|--------------------|------------------------------|---------------------------------------------------------------------|
| Joint Compound | 3% Chrysotile | 90 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the north wall in this room. |

Room 309C Now Room 318A1

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|---------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 180 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the west wall in this room. |
| Joint Compound | 3% Chrysotile | 360 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the north, east, and south walls in this room. |

Room 311

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 870 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, east, and south walls in this room. |
| Joint Compound | 3% Chrysotile | 270 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the east wall in this room. |

Room 311A Now Rooms 312 and 314

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|--------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 90 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this room. |
| Joint Compound | 3% Chrysotile | 720 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the north, east, and west walls in this room. |

Stairway 377S (3rd floor level only, 2nd floor level is 277S)

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 145 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north wall in this stairway. |
|---------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------|

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------------------|---------------|---------------------|------------------------------|-----------------------|---------------------|--------------------|------------------------------|-------------------------------------------------------------------------|
| Joint Compound | 3% Chrysotile | 164 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the south wall in this stairway. |
| 9" Floor Tile and Mastic | Assumed | 55 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

Stairway 377S1(3rd floor level only, 2nd floor level is 277S3)

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|------------------------------|------|------|--|------|-------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 145 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this stairway. |
| Joint Compound | 3% Chrysotile | 164 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the north wall in this stairway. |
| 9" Floor Tile and Mastic | Assumed | 55 ft ² | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The 9" floor tile and mastic was assumed to contain asbestos. |

Stairway 377S2 (3rd floor level only, 4th floor level is 477S1)

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 145 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this stairway. |
| Joint Compound | 3% Chrysotile | 250 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the north and east walls in this stairway. |

Stairway 377S3

| | | | | | | | | |
|---------------------------------------------|------------------|--------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 62 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the south wall in this stairway. |
|---------------------------------------------|------------------|--------------------|--------------------------|------|------|--|------|-----------------------------------------------------------------------|

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|----------------|---------------|--------------------|--------------------------|-----------------------|---------------------|--------------------|------------------------------|-------------------------------------------------------------------------|
| Joint Compound | 3% Chrysotile | 62 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the north wall in this stairway. |

3rd Floor Hallway (including the hallway leading to Dunbar Hall)

| | | | | | | | | |
|---------------------------------------------|------------------|-----------------------|--------------------------|------|------|--|------|----------------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,572 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on most of the walls in these areas; refer to the ACM Locations Map for further information. |
| Joint Compound | 3% Chrysotile | 1,944 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on most of the walls in these areas; refer to the ACM Locations Map for further information. |

Room 401

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|------------------------------|------|------|--|------|---------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 450 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is around the stairway 477S1. |
| Encapsulant on Fiberglass insulation | 5-15% Chrysotile | 88 ft | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The encapsulant is on the steam/chilled water pipes leading to and supplying the AHUs only. |

Abated Summer 2022

Room 402 (including the stairway to 5th floor)

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 780 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on the north, south, and west walls in room 402, and all walls in the stairway to 5 th floor. |
| Joint Compound | 3% Chrysotile | 54 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The joint compound with asbestos is on the banister for stairway 377S3 in the southeast corner of the room. |

Stairway 477S1 (4th floor level only, 3rd floor level is 377S2)

| | | | | | | | | |
|---------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-------------------------------------------------------------|
| Hard Plaster-Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 145 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is throughout this stairway. |
|---------------------------------------------|------------------|---------------------|--------------------------|------|------|--|------|-------------------------------------------------------------|

* = Non-Friable materials were not assessed

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

LEGEND No. 0700048 (NDSU)
 LADD HALL (BUILDING A005)

| ROOM/ ACM | ASBESTOS TYPE | EST. QUANTITY | ACM TYPE | MATERIAL CONDITION | DAMAGE POTENTIAL | LOW MOD HIGH | ASSESS. CAT. ¹ | NOTES |
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|
|--------------|---------------|------------------|----------|-----------------------|---------------------|--------------------|------------------------------|-------|

Room 502

| | | | | | | | | |
|----------------------------------------------------|------------------|-----------------------|--------------------------|------|------|--|------|------------------------------------------------------------------|
| Hard Plaster- Skimcoat/Basecoat (walls only) | 2-15% Chrysotile | 1,200 ft ² | Non-Friable Surfacing | N/A* | N/A* | | N/A* | The wall plaster with asbestos is on all the walls in this area. |
|----------------------------------------------------|------------------|-----------------------|--------------------------|------|------|--|------|------------------------------------------------------------------|

Exterior

| | | | | | | | | |
|----------------|---------|-------|------------------------------|------|------|--|------|---------------------------------------------------------------------------------------------------------------------------------------|
| Window Glazing | Assumed | 10 ea | Non-Friable Miscellaneous | N/A* | N/A* | | N/A* | The window glazing was sealed inside glass panels and was assumed to be asbestos; the 10 windows are on the west end of the building. |
|----------------|---------|-------|------------------------------|------|------|--|------|---------------------------------------------------------------------------------------------------------------------------------------|

¹Assessment 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