



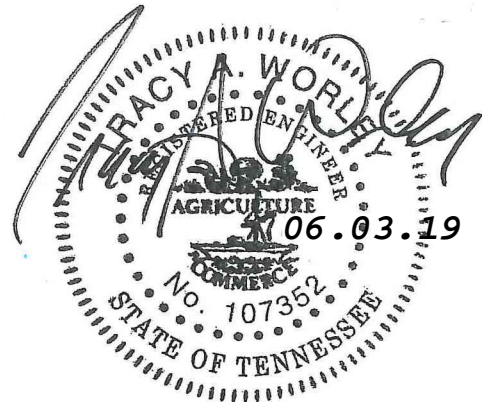
Addendum 1

Date: June 3, 2019

Project: TTU RUC SPRINKLER
COOKEVILLE, PUTNAM COUNTY, TN
SBC No. 364/011-01-2019

AD1-1 GENERAL:

- A. The following revisions to the Drawings and/or Project Manual are hereby made a part of the same and shall be incorporated in the Work of the Contract as if originally included in the Bid and Construction Documents.
- B. Bidders shall acknowledge receipt of this Addendum in writing, as provided on the Proposal Form.
- C. Pre-bid meeting minutes are included.
- D. Additional site visit will be held on June 6, 2019 at 9:00 am.
- E. Pre-bid attendee list are included in pre-bid meeting minutes.
- F. Facility critical operation dates are included in pre-bid meeting minutes.
 - a. It should be noted the SOAR dates apply to the whole facility.
- G. Hazardous material reports are included in pre-bid meeting minutes.



TTU RUC Sprinkler Pre-Bid Meeting Notes

MEETING DATE:	May 31, 2019
PROJECT:	TTU RUC Sprinkler SBC No. 364/011-01-2019
EEI PROJECT NO:	BNA19025
MEETING NOTES BY:	Tracy Worley
MEETING LOCATION:	Foundation Hall
ATTENDEES:	See attached sign-in sheet

Notes:

A. Meeting Notes

- a. Refer to attached agenda for additional items discussed.
- b. Bids are due June 14, 2019 at 9:00 am in Foundation Hall Room 307. Bids are to be turned into Jody Webb with TTU.**
- c. Last day for questions is June 7, 2019 at noon. Last addenda issued will be June 11, 2019.**
- d. An additional site visit will be held on June 6, 2019 at 9:00 am. We will meet on back porch to begin the tour.**
 - i. No questions will be answered during this site visit.**
 - ii. All questions must be submitted in writing.**
- e. Site access will be provided to the successful Contractor.
 - i. Contractor lay-down area should be segregated and be kept neat. Segregation could be construction fencing, orange barricades, etc.
 - ii. The bookstore loading dock and A-Street can be considered as appropriate lay-down areas.
- f. Preferred work hours are 6:00 am to 6:00 pm unless otherwise pre-approved by TTU.
 - i. There are dates where the building may not have any interruptions. Refer to attached dates and times for critical operation.
 - ii. The bookstore requires a store employee in the space with the Contractor.
 - iii. The project can be phased by the Contractor to allow partial space occupancy.
 - iv. It should be noted the SOAR dates are applicable to the whole facility.



- g. It is recommended Contractor and all sub-contractors visit the site prior to submitting a bid.
- h. Refer to attached hazardous material report.



Appendix A – Pre-bid Attendee List



TTU Roaden University Center
 Sprinkler System
 SBC No. 364/011-01-2019

Pre-bid

31-May-19

Sign-in Sheet

Attended	Name	Company Name	Email	Phone
<i>THW</i>	Tracy Worley	EEL	tworley@edmondsengineering.com	615.815.7368
<i>JLH</i>	Jimmy Harris	EEL	jharris@edmondsengineering.com	615.265.8071
<i>gc</i>	Jim Cobb	TTU	JimCobb@tntech.edu	
<i>caol</i>	Christine Daniels	TTU	cdaniels@tntech.edu	
<i>Bill</i>	Bill Hall	TTU	WHall@tntech.edu	
	Craig Short	TTU	cshort@tntech.edu	
	Kerri Demeri	TTU	kdemeri@tntech.edu	
<i>PB</i>	Patrick Bales	GMC	patrick.bales@gmcnetwork.com	
<i>je</i>	Jody Webb	TTU	jwebb@tntech.edu	
	Tommy Tidwell	GRAND FIRE	TTIDWELL@GRANDFIRE.NET	
	Steve Anderson Steve Anderson	GRANT	SANDERSON@GRANDFIRE.NET	



Appendix B – Facility Operations Critical Dates

1. The bookstore critical dates are:
 - a. July 1, 2019 through July 8, 2019
 - b. July 17, 2019
 - c. July 29, 2019 through August 2, 2019 (employees must be working in space with Contractors)
 - d. August 5, 2019 through August 9, 2019
2. SOAR from 9:30 am through 12:00 pm on dates listed
 - a. July 17, 2019
 - b. June 24, 2019 through June 25, 2019
 - c. July 22, 2019 through July 23, 2019
 - d. July 25, 2019 through July 26, 2019
 - e. August 14, 2019 through August 16, 2019



Appendix C – Hazardous Material Report



Asbestos Containing Materials

Building: ROADEN UNIVERSITY CENTER
City: Cookeville
Division #: 364 **Location #:** 15114

This report lists materials identified as containing asbestos in the selected location(s) of the building. Please verify the selected location(s) to ensure that this is the area where work will be performed.

Floor: Ground
Room:

The following table lists the suspected building materials identified in the selected location(s) that have been sampled and sent to an approved laboratory for analysis. The laboratory analysis either confirmed or denied the asbestos content in the materials. Building materials that have been deemed as "assumed" should be treated as containing asbestos until laboratory analysis can determine otherwise:

HA Number	Material	Description	Asbestos Content	Abated
02	CKM = Misc. Caulk	white	Confirmed Non-Friable	
10	LN = Linoleum	Laminet Flooring - tan and cream mix	Positive* Non-Friable	
10a	LNM = Linoleum Flooring Mastic	Laminet Flooring Mastic	Confirmed Non-Friable	
17	VFT = Vinyl Floor Tile	12"x12", off-white (beneath carpet)	Positive* Non-Friable	
17a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	
23	VFT = Vinyl Floor Tile	12"x12", white with green streaks	Confirmed Non-Friable	
23a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	
25	VFT = Vinyl Floor Tile	12"x12", off-white with gray and brown mix	Positive* Non-Friable	
25a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	
26	VFT = Vinyl Floor Tile	15"x15", red	Confirmed Non-Friable	
27	SAW = Spray-Applied Wall Material	white texture on gypsum wallboard (newer type)	Assumed Friable	
28	MM = Misc. Mastic Adhesive	FRP Mastic, yellow	Assumed Non-Friable	

29	SAC = Spray-Applied Ceiling Material	white	Confirmed Friable	
34	WC = Window Caulk	white and gray mix	Confirmed Non-Friable	
41	PJF = Pipe Joint off Fiberglass Ins. Lines	off-white	Confirmed Friable	
43	VFT = Vinyl Floor Tile	12"x12", off-white and tan mix	Positive* Non-Friable	
43a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	
02	CKM = Misc. Caulk	white	Confirmed Non-Friable	
10	LN = Linoleum	Laminet Flooring - tan and cream mix	Positive* Non-Friable	
10a	LNLM = Linoleum Flooring Mastic	Laminet Flooring Mastic	Confirmed Non-Friable	
17	VFT = Vinyl Floor Tile	12"x12", off-white (beneath carpet)	Positive* Non-Friable	
17a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	
23	VFT = Vinyl Floor Tile	12"x12", white with green streaks	Confirmed Non-Friable	
23a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	
25	VFT = Vinyl Floor Tile	12"x12", off-white with gray and brown mix	Positive* Non-Friable	
25a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	
26	VFT = Vinyl Floor Tile	15"x15", red	Confirmed Non-Friable	
27	SAW = Spray-Applied Wall Material	white texture on gypsum wallboard (newer type)	Assumed Friable	
28	MM = Misc. Mastic Adhesive	FRP Mastic, yellow	Assumed Non-Friable	
29	SAC = Spray-Applied Ceiling Material	white	Confirmed Friable	
34	WC = Window Caulk	white and gray mix	Confirmed Non-Friable	
41	PJF = Pipe Joint off Fiberglass Ins. Lines	off-white	Confirmed Friable	
43	VFT = Vinyl Floor Tile	12"x12", off-white and tan mix	Positive* Non-Friable	
43a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	

--- End of Report ---

10a	LNM = Linoleum Flooring Mastic	Laminate Flooring Mastic	Confirmed Non-Friable	None
11	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, small fissure	Confirmed Non ACM	None
12	CM = Carpet Mastic	yellow and green mix	Confirmed Non ACM	None
13	CBM = Cove Base Mastic	brown and yellow mix	Confirmed Non ACM	None
14	DRI = Door Insulation	white	Confirmed Non ACM	None
15	DCT = Dropped (Suspended) Ceiling Tile	2'x2', pinhole	Confirmed Non ACM	None
16	LN = Linoleum	Laminate Flooring - light brown	Confirmed Non ACM	None
16a	LNM = Linoleum Flooring Mastic	Laminate Flooring Mastic	Confirmed Non ACM	None
17	VFT = Vinyl Floor Tile	12"x12", off-white (beneath carpet)	Positive* Non-Friable	None
17a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
19	FS = Misc. Fire Stop Material	red	Confirmed Non ACM	None
20	DC = Door caulk	off-white	Confirmed Non ACM	None
21	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, busy small cut	Confirmed Non ACM	None
22	PC = Plaster/Skimcoat Ceiling	white	Confirmed Non ACM	None
23	VFT = Vinyl Floor Tile	12"x12", white with green streaks	Confirmed Non-Friable	None
23a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
24	PW = Plaster Wall & Skimcoat	white	Confirmed Non ACM	None
25	VFT = Vinyl Floor Tile	12"x12", off-white with gray and brown mix	Positive* Non-Friable	None
25a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
26	VFT = Vinyl Floor Tile	15"x15", red	Confirmed Non-Friable	None
26a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
27	SAW = Spray-Applied Wall Material	white texture on gypsum wallboard (newer type)	Assumed Friable	None
28	MM = Misc. Mastic Adhesive	FRP Mastic, yellow	Assumed Non-Friable	None
29	SAC = Spray-Applied Ceiling Material	white	Confirmed Friable	None

30	SU = Sink Undercoating	black	Confirmed Non ACM	None
31	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, heavy texture	Confirmed Non ACM	None
34	WC = Window Caulk	white and gray mix	Confirmed Non-Friable	None
40	VFT = Vinyl Floor Tile	12"x12", dark tan	Confirmed Non ACM	None
40a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
41	PJF = Pipe Joint off Fiberglass Ins. Lines	off-white	Confirmed Friable	None
43	VFT = Vinyl Floor Tile	12"x12", off-white and tan mix	Positive* Non-Friable	None
43a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
44	VFT = Vinyl Floor Tile	12"x12", brown and blue green mix	Confirmed Non ACM	None
44a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None

The following list of building materials were identified in the selected location(s) and are not suspected to contain asbestos. Therefore, these materials were not sampled during the building survey:

Non-Suspect Materials
Carpet
Ceramic Tile
Ceramic Tile
Concrete
Concrete
Concrete Block
Metal
Metal
Other
Other
Other
Terrazzo
Unfinished - concrete

--- End of Report ---



**State of Tennessee Real Estate Asset Management
Department of General Services**

Limited Asbestos Survey Report

**Agency: BOARD OF REGENTS
Facility: Tennessee Technological University
Building: ROADEN UNIVERSITY CENTER
1000 N. Dixie
Cookeville, Putnam County, Tennessee
Division No: 364, Location No: 15114
Other Agency ID No.:**

Date Surveyed: 02/03/2015

Date Report Generated: 02/28/2019

PURPOSE

The purpose of this survey was to identify, sample and analyze suspect building materials for the presence of asbestos. The survey data may be used for planned maintenance and minor renovation activities that may occur and for public/employee informational purposes. However, this survey was non-destructive and only included an assessment and sampling of accessible interior components. Therefore, additional assessment and sampling of hidden materials and exterior components should be performed prior to significant renovation or demolition activities.

This limited asbestos survey is not intended for building demolition purposes or abatement bidding purposes. In addition, this survey did not include assessment of other hazardous materials that may be present in the building, including, but not limited to: lead based paint, mold, polychlorinated biphenyls (PCBs), mercury, or chlorofluorocarbons (CFCs). These other hazardous materials should be assessed prior to renovation or demolition activities.

REGULATORY OVERVIEW

Asbestos is regulated by the United States Environmental Protection Agency (USEPA) and the Occupational Safety and Health Administration (OSHA). The USEPA regulates asbestos use, removal and disposal, while OSHA regulates asbestos exposure to workers. According to EPA

OSHA regulations, an asbestos-containing material (ACM) is considered any material or product containing more than one percent (>1%) asbestos. Per the USEPA, a material with asbestos content ranging from < 1% to 10% by PLM, must be analyzed by point count method or must be presumed asbestos-containing.

In addition, OSHA maintains exposure concerns with materials that contain <1% asbestos during renovation and/or demolition. A material of concern is a material, that when disturbed, may emit fiber concentrations greater than 1 fiber per cubic centimeter of air (1 f/cc) for a 30-minute excursion limit and 0.1 f/cc for an 8-hour permissible exposure limit. These materials should be considered asbestos-containing and treated accordingly.

USEPA standard 40 CFR Part 61.145, National Emission Standards for Hazardous Air Pollutants (NESHAP), requires that commercial and public buildings be thoroughly inspected for the presence of ACM prior to conducting renovation or demolition activities. The survey must assess whether ACM is considered friable or non-friable.

The USEPA defines Friable ACM as material containing more than 1% asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. These materials are considered Regulated Asbestos-Containing Materials (RACMs). Category I non-friable materials include asbestos-containing packing, gaskets, and resilient floor covering. These materials are not considered to be RACMs unless the materials are crushed, pulverized or otherwise damaged during demolition or renovation. Category II non-friable materials include any non-friable material other than Category I non-friable materials. This category typically include cement siding, transite board shingles and other similar materials. Category II non-friable materials may be considered RACM depending on their condition and likelihood of becoming friable during demolition or renovation. This determination is made by the State Air Pollution Control official (see Appendix A) on a case by case basis.

RACM must be removed prior to renovation or demolition activities. If the amount of RACM exceeds 260 linear feet of pipe insulation or more than 160 square feet in other building components, the owner or operator must provide the State Air Pollution Control official (see Appendix A) with written notification of planned removal activities at least 10 working days prior to the commencement of asbestos abatement activities. Removal of RACM should be conducted by an accredited and appropriately licensed asbestos abatement contractor.

The OSHA Asbestos standard for the construction industry (29 CFR 1910.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fiber per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities, which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

FIELD ACTIVITIES

Trained and accredited asbestos building inspectors conducted the asbestos survey. The survey was conducted in general accordance with the protocols established by USEPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). During the survey, interior components of the building were visually inspected and homogeneous areas (HA) of suspect asbestos-containing materials (ACMs), if present, were identified and documented. An HA consists of a suspect building material which appears similar throughout in terms of color, texture and date of application. Once an HA is identified, the inspectors collect an appropriate number of bulk samples of each HA for analysis. Upon collection, the samples were sent to a laboratory, accredited by the American Industrial Hygiene Association (AIHA), for analysis using standard test methods of Polarized Light Microscopy (PLM). Tables identifying the observed locations of the ACMs are provided in Appendix B. Floor plans for the Site Building are provided in Appendix C. A Glossary of Terms is provided in Appendix D.

FINDINGS AND RECOMMENDATIONS:

Based on the results of laboratory analyses, the following materials were determined to be asbestos-containing or assumed to be asbestos containing. Those materials assumed to be asbestos containing were not sampled due to their location, type of material or the potential destructive nature of the sampling activities.

HA Number	Material	Description	Asbestos Content	Abated
02	CKM = Misc. Caulk	white	Confirmed Non-Friable	None
10	LN = Linoleum	Laminet Flooring - tan and cream mix	Positive* Non-Friable	None
10a	LNM = Linoleum Flooring Mastic	Laminet Flooring Mastic	Confirmed Non-Friable	None
17	VFT = Vinyl Floor Tile	12"x12", off-white (beneath carpet)	Positive* Non-Friable	None
17a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
23	VFT = Vinyl Floor Tile	12"x12", white with green streaks	Confirmed Non-Friable	None
23a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
25	VFT = Vinyl Floor Tile	12"x12", off-white with gray and brown mix	Positive* Non-Friable	None
25a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
26	VFT = Vinyl Floor Tile	15"x15", red	Confirmed Non-Friable	None
27	SAW = Spray-Applied Wall Material	white texture on gypsum wallboard (newer type)	Assumed Friable	None

28	MM = Misc. Mastic Adhesive	FRP Mastic, yellow	Assumed Non-Friable	None
29	SAC = Spray-Applied Ceiling Material	white	Confirmed Friable	None
34	WC = Window Caulk	white and gray mix	Confirmed Non-Friable	None
35	VFT = Vinyl Floor Tile	12"x12", light green with white and dark green mar	Confirmed Non-Friable	None
35a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
37	MM = Misc. Mastic Adhesive	black mastic on floor	Confirmed Non-Friable	None
39	VFT = Vinyl Floor Tile	12"x12", tan	Assumed Non-Friable	None
39a	VFTM = Vinyl Floor Tile Mastic	black	Assumed Non-Friable	None
41	PJF = Pipe Joint off Fiberglass Ins. Lines	off-white	Confirmed Friable	None
43	VFT = Vinyl Floor Tile	12"x12", off-white and tan mix	Positive* Non-Friable	None
43a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
46	BI = Boiler Insulation	off-white	Confirmed Friable	None
47	PIH = Hard-Packed Insulated Pipe Lines	off-white	Confirmed Friable	None
48	PJH = Pipe Joints off Hard-Packed Ins. Lines	off-white	Confirmed Friable	None
49	VJ = Air Handler/Duct Expansion Joint	off-white	Confirmed Friable	None
50	VFT = Vinyl Floor Tile	12"x12", dark brown	Confirmed Non-Friable	None
50a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
53	VFT = Vinyl Floor Tile	12"x12", light green with dark green and white mar	Confirmed Non-Friable	None
53a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
57	VFT = Vinyl Floor Tile	12"x12", purple	Positive* Non-Friable	None
57a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
58	VFT = Vinyl Floor Tile	12"x12", beige and off-white mix	Positive* Non-Friable	None
58a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None

60	GBW/T/JC = Gypsum Wallboard/Tape/ Joint Compound	white (newer)	Assumed Friable	None
63	LN = Linoleum	18"x18" brown (newly installed)	Assumed Non-Friable	None
64	SAW = Spray-Applied Wall Material	Texture on concrete block	Assumed Friable	None
65	VFT = Vinyl Floor Tile	12"x12", light brown with dark and white streaks	Confirmed Non-Friable	None
65a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
72	DC = Door caulk	off-white exterior caulk	Confirmed Non-Friable	None

The EPA's NESHAP regulation, which was adopted by the State Air Pollution Control, indicates that the Owner or Operator of a building scheduled for renovation, that contains RACM, must remove the materials prior to any renovation or demolition process that will disturb these materials. The following steps should be taken:

1. Notify (in writing), the State Air Pollution Control of any impending renovation or demolition projects at:
2. Remove the RACMs from the facility before any activity begins that would break up, dislodge, or similarly disturb the material.

The owner should contact State Air Pollution Control for their interpretation regarding whether the Category I and Category II non-friable materials are regulated for the specific renovation process. If regulated, these materials should be removed prior to disturbance.

It should be noted that suspect materials, other than those identified as part of this assessment, may exist within the subject building. While every attempt was made to identify the suspect materials, no attempts were made to demolish wall or ceiling systems to find hidden materials. Should suspect materials other than that which was identified during the site visit be uncovered during the renovation process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny asbestos content. Assessing and sampling roofing materials, roofing products and materials located on the roof (such as HVAC flashing) was not conducted as part of this survey. If renovation activities will possibly disturb these materials, they should be sampled and analyzed prior to the beginning of construction.

If you have questions regarding this report or require additional information or assessment, contact Laura Waynick at (615) 741-9225 or at State of Tennessee, Department of General Services, 22nd Floor Tennessee Tower, 312 Rosa L. Parks Avenue, Nashville, TN 37243.

Limited Asbestos Survey Report
ROADEN UNIVERSITY CENTER
Division No.: 364, Location No.: 15114
Cookeville, Putnam County, Tennessee
Page: 6

Attachments State Air Pollution Control Officials
Appendix A: Tables
Appendix B: Floor Plans
Appendix C: Glossary of ACM Report Terms
Appendix D:

Appendix A

State of Tennessee Department of Environment and Conservation
Division of Air Pollution Control
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor
Nashville, Tennessee 37243-1531

Appendix B

Table 1: ALL SUSPECT ASBESTOS-CONTAINING MATERIALS IN THE BUILDING				
HA Number	Material	Description	Asbestos Content	Abated
01	CM = Carpet Mastic	squares, yellow	Confirmed Non ACM	None
02	CKM = Misc. Caulk	white	Confirmed Non-Friable	None
03	GBC/T/JC = Gypsum Ceiling Board/Tape/Joint Compound	white	Confirmed Non ACM	None
04	CKM = Misc. Caulk	window and door caulk, gray	Confirmed Non ACM	None
05	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, tiny cut	Confirmed Non ACM	None
06	GBW/T/JC = Gypsum Wallboard/Tape/ Joint Compound	white	Confirmed Non ACM	None
07	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, small cut	Confirmed Non ACM	None
08	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white	Confirmed Non ACM	None
09	PIM = Pipe Insulation & Jt. Compound Mastic	white	Confirmed Non ACM	None
10	LN = Linoleum	Laminet Flooring - tan and cream mix	Positive* Non-Friable	None
10a	LNM = Linoleum Flooring Mastic	Laminet Flooring Mastic	Confirmed Non-Friable	None
11	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, small fissure	Confirmed Non ACM	None
12	CM = Carpet Mastic	yellow and green mix	Confirmed Non ACM	None
13	CBM = Cove Base Mastic	brown and yellow mix	Confirmed Non ACM	None
14	DRI = Door Insulation	white	Confirmed Non ACM	None
15	DCT = Dropped (Suspended) Ceiling Tile	2'x2', pinhole	Confirmed Non ACM	None
16	LN = Linoleum	Laminate Flooring - light brown	Confirmed Non ACM	None
16a	LNM = Linoleum Flooring Mastic	Laminate Flooring Mastic	Confirmed Non ACM	None
17	VFT = Vinyl Floor Tile	12"x12", off-white (beneath carpet)	Positive* Non-Friable	None

17a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
18	CTW = Wall-Mounted Ceiling Tiles	1'x1', white, fissure	Confirmed Non ACM	None
19	FS = Misc. Fire Stop Material	red	Confirmed Non ACM	None
20	DC = Door caulk	off-white	Confirmed Non ACM	None
21	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, busy small cut	Confirmed Non ACM	None
22	PC = Plaster/Skimcoat Ceiling	white	Confirmed Non ACM	None
23	VFT = Vinyl Floor Tile	12"x12", white with green streaks	Confirmed Non-Friable	None
23a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
24	PW = Plaster Wall & Skimcoat	white	Confirmed Non ACM	None
25	VFT = Vinyl Floor Tile	12"x12", off-white with gray and brown mix	Positive* Non-Friable	None
25a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
26	VFT = Vinyl Floor Tile	15"x15", red	Confirmed Non-Friable	None
26a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
27	SAW = Spray-Applied Wall Material	white texture on gypsum wallboard (newer type)	Assumed Friable	None
28	MM = Misc. Mastic Adhesive	FRP Mastic, yellow	Assumed Non-Friable	None
29	SAC = Spray-Applied Ceiling Material	white	Confirmed Friable	None
30	SU = Sink Undercoating	black	Confirmed Non ACM	None
31	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, heavy texture	Confirmed Non ACM	None
32	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, fissure	Confirmed Non ACM	None
33	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, light texture	Confirmed Non ACM	None
34	WC = Window Caulk	white and gray mix	Confirmed Non-Friable	None
35	VFT = Vinyl Floor Tile	12"x12", light green with white and dark green mar	Confirmed Non-Friable	None

35a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
36	VFT = Vinyl Floor Tile	12"x12", light brown	Confirmed Non ACM	None
36a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
37	MM = Misc. Mastic Adhesive	black mastic on floor	Confirmed Non-Friable	None
38	VFT = Vinyl Floor Tile	12"x12", dark brown with light brown streaks	Confirmed Non ACM	None
38a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
39	VFT = Vinyl Floor Tile	12"x12", tan	Assumed Non-Friable	None
39a	VFTM = Vinyl Floor Tile Mastic	black	Assumed Non-Friable	None
40	VFT = Vinyl Floor Tile	12"x12", dark tan	Confirmed Non ACM	None
40a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
41	PJF = Pipe Joint off Fiberglass Ins. Lines	off-white	Confirmed Friable	None
42	SAC = Spray-Applied Ceiling Material	Ceiling Texture on GBC	Confirmed Non ACM	None
43	VFT = Vinyl Floor Tile	12"x12", off-white and tan mix	Positive* Non-Friable	None
43a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
44	VFT = Vinyl Floor Tile	12"x12", brown and blue green mix	Confirmed Non ACM	None
44a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
45	DI = Duct Insulation	Canvas HVAC duct insulation wrap	Confirmed Non ACM	None
46	BI = Boiler Insulation	off-white	Confirmed Friable	None
47	PIH = Hard-Packed Insulated Pipe Lines	off-white	Confirmed Friable	None
48	PJH = Pipe Joints off Hard-Packed Ins. Lines	off-white	Confirmed Friable	None
49	VJ = Air Handler/Duct Expansion Joint	off-white	Confirmed Friable	None
50	VFT = Vinyl Floor Tile	12"x12", dark brown	Confirmed Non-Friable	None
50a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None

51	MM = Misc. Mastic Adhesive	Ceramic Tile mastic, brown	Confirmed Non ACM	None
52	MM = Misc. Mastic Adhesive	Stair Tread Mastic, brown	Confirmed Non ACM	None
53	VFT = Vinyl Floor Tile	12"x12", light green with dark green and white mar	Confirmed Non-Friable	None
53a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
54	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, big and small pinhole	Confirmed Non ACM	None
55	VFT = Vinyl Floor Tile	12"x12", cream and olive and gray mix	Confirmed Non ACM	None
55a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
56	SA = Spray-Applied Material	Wall Texture on Plaster Wall	Confirmed Non ACM	None
57	VFT = Vinyl Floor Tile	12"x12", purple	Positive* Non-Friable	None
57a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
58	VFT = Vinyl Floor Tile	12"x12", beige and off-white mix	Positive* Non-Friable	None
58a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
59	SA = Spray-Applied Material	Wall Texture on Gypsum Wallboard	Confirmed Non ACM	None
60	GBW/T/JC = Gypsum Wallboard/Tape/ Joint Compound	white (newer)	Assumed Friable	None
61	DCT = Dropped (Suspended) Ceiling Tile	2'x2', recessed, heavy texture	Confirmed Non ACM	None
62	CM = Carpet Mastic	green	Confirmed Non ACM	None
63	LN = Linoleum	18"x18" brown (newly installed)	Assumed Non-Friable	None
64	SAW = Spray-Applied Wall Material	Texture on concrete block	Assumed Friable	None
65	VFT = Vinyl Floor Tile	12"x12", light brown with dark and white streaks	Confirmed Non-Friable	None
65a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
66	GD = Ceiling Tile Mastic/Glue Dots	brown	Confirmed Non ACM	None
67	DCT = Dropped (Suspended) Ceiling Tile	2'x2', recessed, white, texture squares	Confirmed Non ACM	None

68	DIM = Duct Insulation Mastic	Duct Mastic - brown	Confirmed Non ACM	None
69	DIM = Duct Insulation Mastic	Duct Mastic - white	Confirmed Non ACM	None
71	WC = Window Caulk	gray exterior caulk	Confirmed Non ACM	None
72	DC = Door caulk	off-white exterior caulk	Confirmed Non-Friable	None
73	WC = Window Caulk	gray, thin exterior caulk	Confirmed Non ACM	None
74	WC = Window Caulk	gray, thick and soft exterior caulk	Confirmed Non ACM	None
75	CKM = Misc. Caulk	beige exterior caulk on wall	Confirmed Non ACM	None

Table 2: CONFIRMED AND/OR ASSUMED ASBESTOS-CONTAINING MATERIALS IN THE BUILDING				
HA Number	Material	Description	Asbestos Content	Abated
02	CKM = Misc. Caulk	white	Confirmed Non-Friable	None
10	LN = Linoleum	Laminet Flooring - tan and cream mix	Positive* Non-Friable	None
10a	LNM = Linoleum Flooring Mastic	Laminet Flooring Mastic	Confirmed Non-Friable	None
17	VFT = Vinyl Floor Tile	12"x12", off-white (beneath carpet)	Positive* Non-Friable	None
17a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
23	VFT = Vinyl Floor Tile	12"x12", white with green streaks	Confirmed Non-Friable	None
23a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
25	VFT = Vinyl Floor Tile	12"x12", off-white with gray and brown mix	Positive* Non-Friable	None
25a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
26	VFT = Vinyl Floor Tile	15"x15", red	Confirmed Non-Friable	None
27	SAW = Spray-Applied Wall Material	white texture on gypsum wallboard (newer type)	Assumed Friable	None
28	MM = Misc. Mastic Adhesive	FRP Mastic, yellow	Assumed Non-Friable	None
29	SAC = Spray-Applied Ceiling Material	white	Confirmed Friable	None
34	WC = Window Caulk	white and gray mix	Confirmed Non-Friable	None
35	VFT = Vinyl Floor Tile	12"x12", light green with white and dark green mar	Confirmed Non-Friable	None
35a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
37	MM = Misc. Mastic Adhesive	black mastic on floor	Confirmed Non-Friable	None
39	VFT = Vinyl Floor Tile	12"x12", tan	Assumed Non-Friable	None
39a	VFTM = Vinyl Floor Tile Mastic	black	Assumed Non-Friable	None
41	PJF = Pipe Joint off Fiberglass Ins. Lines	off-white	Confirmed Friable	None
43	VFT = Vinyl Floor Tile	12"x12", off-white and tan mix	Positive* Non-Friable	None

43a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
46	BI = Boiler Insulation	off-white	Confirmed Friable	None
47	PIH = Hard-Packed Insulated Pipe Lines	off-white	Confirmed Friable	None
48	PJH = Pipe Joints off Hard-Packed Ins. Lines	off-white	Confirmed Friable	None
49	VJ = Air Handler/Duct Expansion Joint	off-white	Confirmed Friable	None
50	VFT = Vinyl Floor Tile	12"x12", dark brown	Confirmed Non-Friable	None
50a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
53	VFT = Vinyl Floor Tile	12"x12", light green with dark green and white mar	Confirmed Non-Friable	None
53a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
57	VFT = Vinyl Floor Tile	12"x12", purple	Positive* Non-Friable	None
57a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
58	VFT = Vinyl Floor Tile	12"x12", beige and off-white mix	Positive* Non-Friable	None
58a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
60	GBW/T/JC = Gypsum Wallboard/Tape/ Joint Compound	white (newer)	Assumed Friable	None
63	LN = Linoleum	18"x18" brown (newly installed)	Assumed Non-Friable	None
64	SAW = Spray-Applied Wall Material	Texture on concrete block	Assumed Friable	None
65	VFT = Vinyl Floor Tile	12"x12", light brown with dark and white streaks	Confirmed Non-Friable	None
65a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
72	DC = Door caulk	off-white exterior caulk	Confirmed Non-Friable	None

Table 3: OBSERVED ROOM LOCATIONS OF THE SUSPECT ASBESTOS-CONTAINING MATERIALS, LISTED BY HA NUMBER (Note: Due to the noninvasive nature of this survey, it is possible that these materials are located in other areas within the building not identified within this table.

HA Number Material Description Type ACM Category Room Feature Locations (by room)	01 CM = Carpet Mastic squares, yellow Miscellaneous Confirmed Non ACM 001, 010, 015, 016, 105, 108, 116, 117, 126, 133, 134, 134a, 135, 136, 137, 138, 138a, 138b, 138c, 265, 342, 352, 356, 357, 358, 359, 362, 363, 364
HA Number Material Description Type ACM Category Room Feature Locations (by room)	02 CKM = Misc. Caulk white Miscellaneous Confirmed Non-Friable 001a, 002, 003a, 005a, 005b, 011a, 015, 016, 017, 027, 029, 034, 035, 101, 102, 103, 104, 105, 107, 114, 126, 129, 134a, 140, 143, 145, 202, 207, 208, 218, 223, 224, 226, 227, 232, 233, 235, 236, 237a, 240, 242, 247, 248, 249, 251, 252, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 279, 280, 281, 283, 284, 285, 287, 288, 301, 302, 303, 304, 305, 307, 308, 309, 313, 334, 340, 342, 343, 349, 350, 354, 355, 364, 365, 366, 367, 371, 372, 374, 375, 376, 377, 377b, 379, 380, 381, 382, 383, 384, 385, 386, 387, 392, 394
HA Number Material Description Type ACM Category Room Feature Locations (by room)	03 GBC/T/JC = Gypsum Ceiling Board/Tape/Joint Compound white Miscellaneous Confirmed Non ACM 001, 001b, 005b, 016, 024, 045, 045b, B3a
HA Number Material Description Type ACM Category Room Feature Locations (by room)	04 CKM = Misc. Caulk window and door caulk, gray Miscellaneous Confirmed Non ACM 001, 002, 005a, 010, 011a, 011b, 015, 016, 105, 116, 126, 129

HA Number Material Description Type ACM Category Room Feature Locations (by room)	05 DCT = Dropped (Suspended) Ceiling Tile 2'x2', white, pinhole, tiny cut Miscellaneous Confirmed Non ACM 002, 005a, 010, 014, 014a, 014b, 015, 017, 021, 022, 101, 103, 104, 105, 109, 113, 117a, 118, 119, 120, 121, 122, 123, 126, 129, 134, 134a, 135, 136, 137, 138a, 138b, 138c, 205, 208, 210, 214, 216, 224, 228, 229, 230, 231, 239, 257, 271, 272, 273, 274, 275, 283, 347
HA Number Material Description Type ACM Category Room Feature Locations (by room)	06 GBW/T/JC = Gypsum Wallboard/Tape/ Joint Compound white Miscellaneous Confirmed Non ACM 001, 001a, 001b, 002, 004, 004a, 005, 005a, 005b, 006, 006a, 011a, 011b, 017, 018, 021, 034, 045b, 049, 050, 051, 108, 110, 111, 112, 115, 118, 119, 124, 133, 134a, 139a, 140, 140a, 219, 220, 221, 222, 229, 230, 231, 239, 252, 256, 320, 331, 332, 336, 337, 346, 347, 348, 353, 353a, 353b, 360, 370, 371, 388a, 388b, 388c, 388d, B3, B3a
HA Number Material Description Type ACM Category Room Feature Locations (by room)	07 DCT = Dropped (Suspended) Ceiling Tile 2'x2', white, pinhole, small cut Miscellaneous Confirmed Non ACM 001, 005, 007, 127, 128, 139a, 140, 140a
HA Number Material Description Type ACM Category Room Feature Locations (by room)	08 DCT = Dropped (Suspended) Ceiling Tile 2'x2', white Miscellaneous Confirmed Non ACM 001a, 006, 006a, 007, 018, 025, 026, 027, 028, 029, 033, 035, 041, 042, 043, 049, 050, 051, 141
HA Number Material Description Type ACM Category Room Feature Locations (by room)	09 PIM = Pipe Insulation & Jt. Compound Mastic white Miscellaneous Confirmed Non ACM 001b, 004, 028, 034, 129, 139a, B1, B2, B3

HA Number Material Description Type ACM Category Room Feature Locations (by room)	10 LN = Linoleum Laminet Flooring - tan and cream mix Miscellaneous Positive* Non-Friable 004a, 005
HA Number Material Description Type ACM Category Room Feature Locations (by room)	10a LNM = Linoleum Flooring Mastic Laminet Flooring Mastic Miscellaneous Confirmed Non-Friable 004a, 005
HA Number Material Description Type ACM Category Room Feature Locations (by room)	11 DCT = Dropped (Suspended) Ceiling Tile 2'x2', white, pinhole, small fissure Miscellaneous Confirmed Non ACM 003, 003a, 044, 111, 212
HA Number Material Description Type ACM Category Room Feature Locations (by room)	12 CM = Carpet Mastic yellow and green mix Miscellaneous Confirmed Non ACM 002, 003, 003a, 005a, 005b, 017, 110, 111, 112, 113, 114, 115, 115a, 118, 119, 120, 122, 123, 125, 201, 202, 203, 206, 208, 210, 211, 213, 214, 218, 219, 220, 221, 222, 223, 224, 228, 229, 230, 231, 232, 233, 235, 236, 237, 239, 259, 260, 261, 264, 266, 267, 268, 269, 270, 283, 302, 303, 304, 305, 307, 315, 316, 317, 318, 319, 323, 324, 325, 326, 328, 330, 330a, 331, 332, 336, 337, 339, 344, 345, 346, 348, 351, 353, 353a, 353b, 370, 371, 376, 377a, 377b, 379, 380, 381a, 382, 384, 386, 387, 388a, 388b, 388c, 388d, 389a, 389b, 389c

HA Number Material Description Type ACM Category Room Feature Locations (by room)	13 CBM = Cove Base Mastic brown and yellow mix Miscellaneous Confirmed Non ACM 003, 003a, 018, 027, 034, 048, 049, 112, 119, 133, 134, 134a, 135, 136, 137, 138, 138a, 138b, 138c, 140, 142, 144, 145, 146, 147, 206, 212, 216, 224, 226, 231, 237a, 239, 257, 258, 260, 262, 265, 266, 269, 270, 285, 287, 288, 302, 303, 304, 305, 307, 310, 313, 315, 316, 317, 318, 323, 324, 325, 328, 330, 330a, 340, 351, 352, 353, 353a, 353b, 356, 358, 359, 360, 362, 363, 366, 368, 370, 371, 376, 377a, 377b, 380, 392
HA Number Material Description Type ACM Category Room Feature Locations (by room)	14 DRI = Door Insulation white Thermal System Insulation Confirmed Non ACM 003a
HA Number Material Description Type ACM Category Room Feature Locations (by room)	15 DCT = Dropped (Suspended) Ceiling Tile 2'x2', pinhole Miscellaneous Confirmed Non ACM 002, 125, 133
HA Number Material Description Type ACM Category Room Feature Locations (by room)	16 LN = Linoleum Laminate Flooring - light brown Miscellaneous Confirmed Non ACM 004a, 005
HA Number Material Description Type ACM Category Room Feature Locations (by room)	16a LNM = Linoleum Flooring Mastic Laminate Flooring Mastic Miscellaneous Confirmed Non ACM 004a, 005

HA Number Material Description Type ACM Category Room Feature Locations (by room)	17 VFT = Vinyl Floor Tile 12"x12", off-white (beneath carpet) Miscellaneous Positive* Non-Friable 002, 003, 003a, 005, 005a, 005b
HA Number Material Description Type ACM Category Room Feature Locations (by room)	17a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 002, 003, 003a, 005, 005a, 005b
HA Number Material Description Type ACM Category Room Feature Locations (by room)	18 CTW = Wall-Mounted Ceiling Tiles 1'x1', white, fissure Miscellaneous Confirmed Non ACM 303, 307, 377b, 379, 387
HA Number Material Description Type ACM Category Room Feature Locations (by room)	19 FS = Misc. Fire Stop Material red Miscellaneous Confirmed Non ACM 004, 012, 028, 034, 240
HA Number Material Description Type ACM Category Room Feature Locations (by room)	20 DC = Door caulk off-white Miscellaneous Confirmed Non ACM 004, 012, 027, 029, 037, 038, 039, 040, 101, 102, 103, 104, 105, 107, 109, 114, 115a, 125, 130, 140, 142, 143, 144, 145, 146, 147, 201, 202, 203, 206, 207, 208, 210, 211, 212, 213, 214, 218, 224, 225, 226, 227, 232, 233, 235, 236, 237a, 247, 255, 257, 258, 259, 260, 262, 265, 266, 269, 270, 271, 272, 283, 285, 287, 288, 301, 302, 303, 304, 305, 307, 308, 309, 312, 313, 320, 325, 334, 335, 340, 341, 342, 343, 344, 354, 355, 365, 371, 372, 374, 375, 376, 377, 377b, 379, 380, 381, 382, 383, 384, 385, 386, 387, 390, 392, 394, Attic

HA Number Material Description Type ACM Category Room Feature Locations (by room)	21 DCT = Dropped (Suspended) Ceiling Tile 2'x2', white, pinhole, busy small cut Miscellaneous Confirmed Non ACM 011a, 011b, 014c, 017, 110, 219, 220, 221, 222, 258, 259, 260, 262, 263, 265, 266, 269, 270, 282, 381a, 388a, 388b, 388c, 388d, 389a, 389b, 389c
HA Number Material Description Type ACM Category Room Feature Locations (by room)	22 PC = Plaster/Skimcoat Ceiling white Surfacing Confirmed Non ACM 019, 020, 023, 037, 038, 039, 040, 045, 045b, 102, 107, 108, 113, 116, 117, 131, 132, 207, 217, 225, 226, 227, 237a, 238, 240, 243, 244, 278, 282, 301, 302, 304, 305, 308, 309, 310, 311, 312, 313, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 328, 330, 330a, 331, 332, 334, 335, 336, 337, 339, 340, 341, 342, 343, 344, 345, 346, 348, 349, 350, 351, 352, 353, 353a, 353b, 354, 355, 356, 357, 358, 359, 360, 362, 363, 364, 365, 366, 367, 368, 370, 371, 372, 373, 374, 375, 376, 377, 377a, 377b, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388d, 390, 392, 394
HA Number Material Description Type ACM Category Room Feature Locations (by room)	23 VFT = Vinyl Floor Tile 12"x12", white with green streaks Miscellaneous Confirmed Non-Friable 014, 014a, 014b, 034, 035, 045, 045a, 045b, 108, 142, 143, 145, 146, 147, 201, 202, 203, 205, 206, 208, 210, 211, 212, 213, 214, 218, 219, 220, 221, 222, 223, 224, 226, 228, 229, 230, 231, 232, 233, 235, 236, 237a, 259, 260, 261, 264, 265, 266, 267, 268, 269, 270, 283, 285, 287, 288, 301, 302, 303, 304, 305, 307, 309, 313, 320, 321, 322, 340, 343, 344, 345, 346, 348, 349, 350, 351, 353, 353a, 353b, 355, 370, 371, 372, 375, 382, 384, 386, 387, 388a, 388b, 388c, 388d, 389a, 389b, 389c, 392, 394

HA Number Material Description Type ACM Category Room Feature Locations (by room)	23a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 014, 014a, 014b, 034, 035, 045, 045a, 045b, 108, 142, 143, 145, 146, 147, 201, 202, 203, 205, 206, 208, 210, 211, 212, 213, 214, 218, 219, 220, 221, 222, 223, 224, 226, 228, 229, 230, 231, 232, 233, 235, 236, 237a, 259, 260, 261, 264, 265, 266, 267, 268, 269, 270, 283, 285, 287, 288, 301, 302, 303, 304, 305, 307, 309, 313, 320, 321, 322, 340, 343, 344, 345, 346, 348, 349, 350, 351, 353, 353a, 353b, 355, 370, 371, 372, 375, 382, 384, 386, 387, 388a, 388b, 388c, 388d, 389a, 389b, 389c, 392, 394
HA Number Material Description Type ACM Category Room Feature Locations (by room)	24 PW = Plaster Wall & Skimcoat white Surfacing Confirmed Non ACM 014, 014a, 014b, 014c, 026, 044, 045, 045b, 108, 116, 117, 117a, 120, 122, 123, 133, 134, 135, 136, 137, 138, 138a, 138b, 138c, 201, 203, 206, 208, 210, 211, 213, 214, 219, 220, 221, 222, 228, 237, 241, 245, 246, 258, 259, 278, 282, 312, 319, 328, 330, 330a, 339, 344, 351, 377a, 381a, 388a, 388b, 388c, 388d, 389a, 389b, 389c
HA Number Material Description Type ACM Category Room Feature Locations (by room)	25 VFT = Vinyl Floor Tile 12"x12", off-white with gray and brown mix Miscellaneous Positive* Non-Friable 011a, 011b, 014c, 045b
HA Number Material Description Type ACM Category Room Feature Locations (by room)	25a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 011a, 011b, 014c, 045b

HA Number Material Description Type ACM Category Room Feature Locations (by room)	26 VFT = Vinyl Floor Tile 15"x15", red Miscellaneous Confirmed Non-Friable E1, E2
HA Number Material Description Type ACM Category Room Feature Locations (by room)	26a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non ACM E1, E2
HA Number Material Description Type ACM Category Room Feature Locations (by room)	27 SAW = Spray-Applied Wall Material white texture on gypsum wallboard (newer type) Miscellaneous Assumed Friable 007
HA Number Material Description Type ACM Category Room Feature Locations (by room)	28 MM = Misc. Mastic Adhesive FRP Mastic, yellow Miscellaneous Assumed Non-Friable 006, 006a, 018, 049, 050, 051
HA Number Material Description Type ACM Category Room Feature Locations (by room)	29 SAC = Spray-Applied Ceiling Material white Surfacing Confirmed Friable 034, 034a, 045, 045b

HA Number Material Description Type ACM Category Room Feature Locations (by room)	30 SU = Sink Undercoating black Miscellaneous Confirmed Non ACM 045b
HA Number Material Description Type ACM Category Room Feature Locations (by room)	31 DCT = Dropped (Suspended) Ceiling Tile 2'x2', white, heavy texture Miscellaneous Confirmed Non ACM 045a
HA Number Material Description Type ACM Category Room Feature Locations (by room)	32 DCT = Dropped (Suspended) Ceiling Tile 2'x2', white, pinhole, fissure Miscellaneous Confirmed Non ACM 112, 115, 117, 124, 237, 377a, 377b
HA Number Material Description Type ACM Category Room Feature Locations (by room)	33 DCT = Dropped (Suspended) Ceiling Tile 2'x2', white, pinhole, light texture Miscellaneous Confirmed Non ACM 114, 115a, 125, 129, 138, 139a, 144, 201, 202, 203, 204, 205, 206, 211, 213, 215, 218, 232, 233, 235, 236, 242, 247, 248, 249, 251, 254, 256, 261, 264, 267, 268, 279, 280, 281, 284
HA Number Material Description Type ACM Category Room Feature Locations (by room)	34 WC = Window Caulk white and gray mix Miscellaneous Confirmed Non-Friable 026, 101, 115a, 125, 135, 136, 137, 138, 138c, 139a, 140, 201, 202, 203, 204, 206, 211, 213, 219, 220, 222, 228, 229, 231, 233, 235, 237, 260, 265, 266, 269, 270, 272, 302, 303, 304, 305, 330a, 331, 332, 340, 342, 354, 359, 362, 363, 365, 370, 371, 377a, 377b, 380, 381, 384, 385, 386, 387

HA Number Material Description Type ACM Category Room Feature Locations (by room)	35 VFT = Vinyl Floor Tile 12"x12", light green with white and dark green mar Miscellaneous Confirmed Non-Friable 118, 119, 120, 121, 123, 315, 316, 317, 318, 319, 323, 324, 325, 326, 330a, 331, 332, 334, 335, 336, 337, 339
HA Number Material Description Type ACM Category Room Feature Locations (by room)	35a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 118, 119, 120, 121, 123, 315, 316, 317, 318, 319, 323, 324, 325, 326, 330a, 331, 332, 334, 335, 336, 337, 339
HA Number Material Description Type ACM Category Room Feature Locations (by room)	36 VFT = Vinyl Floor Tile 12"x12", light brown Miscellaneous Confirmed Non ACM 121, 215, 312
HA Number Material Description Type ACM Category Room Feature Locations (by room)	36a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non ACM 121, 215, 312
HA Number Material Description Type ACM Category Room Feature Locations (by room)	37 MM = Misc. Mastic Adhesive black mastic on floor Miscellaneous Confirmed Non-Friable 115, 115a, 328, 330

HA Number Material Description Type ACM Category Room Feature Locations (by room)	38 VFT = Vinyl Floor Tile 12"x12", dark brown with light brown streaks Miscellaneous Confirmed Non ACM 134
HA Number Material Description Type ACM Category Room Feature Locations (by room)	38a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non ACM 134
HA Number Material Description Type ACM Category Room Feature Locations (by room)	39 VFT = Vinyl Floor Tile 12"x12", tan Miscellaneous Assumed Non-Friable 134
HA Number Material Description Type ACM Category Room Feature Locations (by room)	39a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Assumed Non-Friable 134
HA Number Material Description Type ACM Category Room Feature Locations (by room)	40 VFT = Vinyl Floor Tile 12"x12", dark tan Miscellaneous Confirmed Non ACM E3

HA Number Material Description Type ACM Category Room Feature Locations (by room)	40a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non ACM E3
HA Number Material Description Type ACM Category Room Feature Locations (by room)	41 PJF = Pipe Joint off Fiberglass Ins. Lines off-white Miscellaneous Confirmed Friable 048, 129, 207, 210, 255, Attic, B1, B2, B3
HA Number Material Description Type ACM Category Room Feature Locations (by room)	42 SAC = Spray-Applied Ceiling Material Ceiling Texture on GBC Surfacing Confirmed Non ACM 127, 347
HA Number Material Description Type ACM Category Room Feature Locations (by room)	43 VFT = Vinyl Floor Tile 12"x12", off-white and tan mix Miscellaneous Positive* Non-Friable 048, 144
HA Number Material Description Type ACM Category Room Feature Locations (by room)	43a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 048, 144

HA Number Material Description Type ACM Category Room Feature Locations (by room)	44 VFT = Vinyl Floor Tile 12"x12", brown and blue green mix Miscellaneous Confirmed Non ACM 027
HA Number Material Description Type ACM Category Room Feature Locations (by room)	44a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non ACM 027
HA Number Material Description Type ACM Category Room Feature Locations (by room)	45 DI = Duct Insulation Canvas HVAC duct insulation wrap Miscellaneous Confirmed Non ACM B1, B2, B3
HA Number Material Description Type ACM Category Room Feature Locations (by room)	46 BI = Boiler Insulation off-white Thermal System Insulation Confirmed Friable B1
HA Number Material Description Type ACM Category Room Feature Locations (by room)	47 PIH = Hard-Packed Insulated Pipe Lines off-white Thermal System Insulation Confirmed Friable B1

HA Number Material Description Type ACM Category Room Feature Locations (by room)	48 PJH = Pipe Joints off Hard-Packed Ins. Lines off-white Thermal System Insulation Confirmed Friable B1
HA Number Material Description Type ACM Category Room Feature Locations (by room)	49 VJ = Air Handler/Duct Expansion Joint off-white Thermal System Insulation Confirmed Friable B1
HA Number Material Description Type ACM Category Room Feature Locations (by room)	50 VFT = Vinyl Floor Tile 12"x12", dark brown Miscellaneous Confirmed Non-Friable 247, 248, 249, 256, 279, 280, 281, 284
HA Number Material Description Type ACM Category Room Feature Locations (by room)	50a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 247, 248, 249, 256, 279, 280, 281, 284
HA Number Material Description Type ACM Category Room Feature Locations (by room)	51 MM = Misc. Mastic Adhesive Ceramic Tile mastic, brown Miscellaneous Confirmed Non ACM 282

HA Number Material Description Type ACM Category Room Feature Locations (by room)	52 MM = Misc. Mastic Adhesive Stair Tread Mastic, brown Miscellaneous Confirmed Non ACM 204, 271
HA Number Material Description Type ACM Category Room Feature Locations (by room)	53 VFT = Vinyl Floor Tile 12"x12", light green with dark green and white mar Miscellaneous Confirmed Non-Friable 271, 272, 274, 275, 355, 375, 394
HA Number Material Description Type ACM Category Room Feature Locations (by room)	53a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 271, 272, 274, 275, 355, 375, 394
HA Number Material Description Type ACM Category Room Feature Locations (by room)	54 DCT = Dropped (Suspended) Ceiling Tile 2'x2', white, big and small pinhole Miscellaneous Confirmed Non ACM 223, 252, 255
HA Number Material Description Type ACM Category Room Feature Locations (by room)	55 VFT = Vinyl Floor Tile 12"x12", cream and olive and gray mix Miscellaneous Confirmed Non ACM 216

HA Number Material Description Type ACM Category Room Feature Locations (by room)	55a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non ACM 216
HA Number Material Description Type ACM Category Room Feature Locations (by room)	56 SA = Spray-Applied Material Wall Texture on Plaster Wall Surfacing Confirmed Non ACM 216, 310, 345
HA Number Material Description Type ACM Category Room Feature Locations (by room)	57 VFT = Vinyl Floor Tile 12"x12", purple Miscellaneous Positive* Non-Friable 283
HA Number Material Description Type ACM Category Room Feature Locations (by room)	57a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 283
HA Number Material Description Type ACM Category Room Feature Locations (by room)	58 VFT = Vinyl Floor Tile 12"x12", beige and off-white mix Miscellaneous Positive* Non-Friable 212, 283, 310

HA Number Material Description Type ACM Category Room Feature Locations (by room)	58a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 212, 283, 310
HA Number Material Description Type ACM Category Room Feature Locations (by room)	59 SA = Spray-Applied Material Wall Texture on Gypsum Wallboard Surfacing Confirmed Non ACM 241, 246
HA Number Material Description Type ACM Category Room Feature Locations (by room)	60 GBW/T/JC = Gypsum Wallboard/Tape/ Joint Compound white (newer) Miscellaneous Assumed Friable 241, 245, 246
HA Number Material Description Type ACM Category Room Feature Locations (by room)	61 DCT = Dropped (Suspended) Ceiling Tile 2'x2', recessed, heavy texture Miscellaneous Confirmed Non ACM 241, 245, 246
HA Number Material Description Type ACM Category Room Feature Locations (by room)	62 CM = Carpet Mastic green Miscellaneous Confirmed Non ACM 246

HA Number Material Description Type ACM Category Room Feature Locations (by room)	63 LN = Linoleum 18"x18" brown (newly installed) Miscellaneous Assumed Non-Friable 360
HA Number Material Description Type ACM Category Room Feature Locations (by room)	63a LNM = Linoleum Flooring Mastic unknown Miscellaneous Assumed Non-Friable
HA Number Material Description Type ACM Category Room Feature Locations (by room)	64 SAW = Spray-Applied Wall Material Texture on concrete block Surfacing Assumed Friable 352, 356, 359, 368
HA Number Material Description Type ACM Category Room Feature Locations (by room)	65 VFT = Vinyl Floor Tile 12"x12", light brown with dark and white streaks Miscellaneous Confirmed Non-Friable 365, 367, 376, 377, 377a, 377b, 378, 379, 380, 381, 381a, 383, 385
HA Number Material Description Type ACM Category Room Feature Locations (by room)	65a VFTM = Vinyl Floor Tile Mastic black Miscellaneous Confirmed Non-Friable 365, 367, 376, 377, 377a, 377b, 378, 379, 380, 381, 381a, 383, 385

HA Number Material Description Type ACM Category Room Feature Locations (by room)	66 GD = Ceiling Tile Mastic/Glue Dots brown Miscellaneous Confirmed Non ACM 303, 377b, 379, 387
HA Number Material Description Type ACM Category Room Feature Locations (by room)	67 DCT = Dropped (Suspended) Ceiling Tile 2'x2', recessed, white, texture squares Miscellaneous Confirmed Non ACM 377a
HA Number Material Description Type ACM Category Room Feature Locations (by room)	68 DIM = Duct Insulation Mastic Duct Mastic - brown Miscellaneous Confirmed Non ACM Attic
HA Number Material Description Type ACM Category Room Feature Locations (by room)	69 DIM = Duct Insulation Mastic Duct Mastic - white Miscellaneous Confirmed Non ACM Attic
HA Number Material Description Type ACM Category Room Feature Locations (by room)	70 SAC = Spray-Applied Ceiling Material white, thick on Gypsum Ceiling Surfacing Assumed Friable

HA Number Material Description Type ACM Category Room Feature Locations (by room)	71 WC = Window Caulk gray exterior caulk Miscellaneous Confirmed Non ACM Exterior
HA Number Material Description Type ACM Category Room Feature Locations (by room)	72 DC = Door caulk off-white exterior caulk Miscellaneous Confirmed Non-Friable Exterior
HA Number Material Description Type ACM Category Room Feature Locations (by room)	73 WC = Window Caulk gray, thin exterior caulk Miscellaneous Confirmed Non ACM Exterior
HA Number Material Description Type ACM Category Room Feature Locations (by room)	74 WC = Window Caulk gray, thick and soft exterior caulk Miscellaneous Confirmed Non ACM Exterior
HA Number Material Description Type ACM Category Room Feature Locations (by room)	75 CKM = Misc. Caulk beige exterior caulk on wall Miscellaneous Confirmed Non ACM Exterior

Table 4: ROOM LOCATIONS OF THE NON SUSPECT MATERIALS

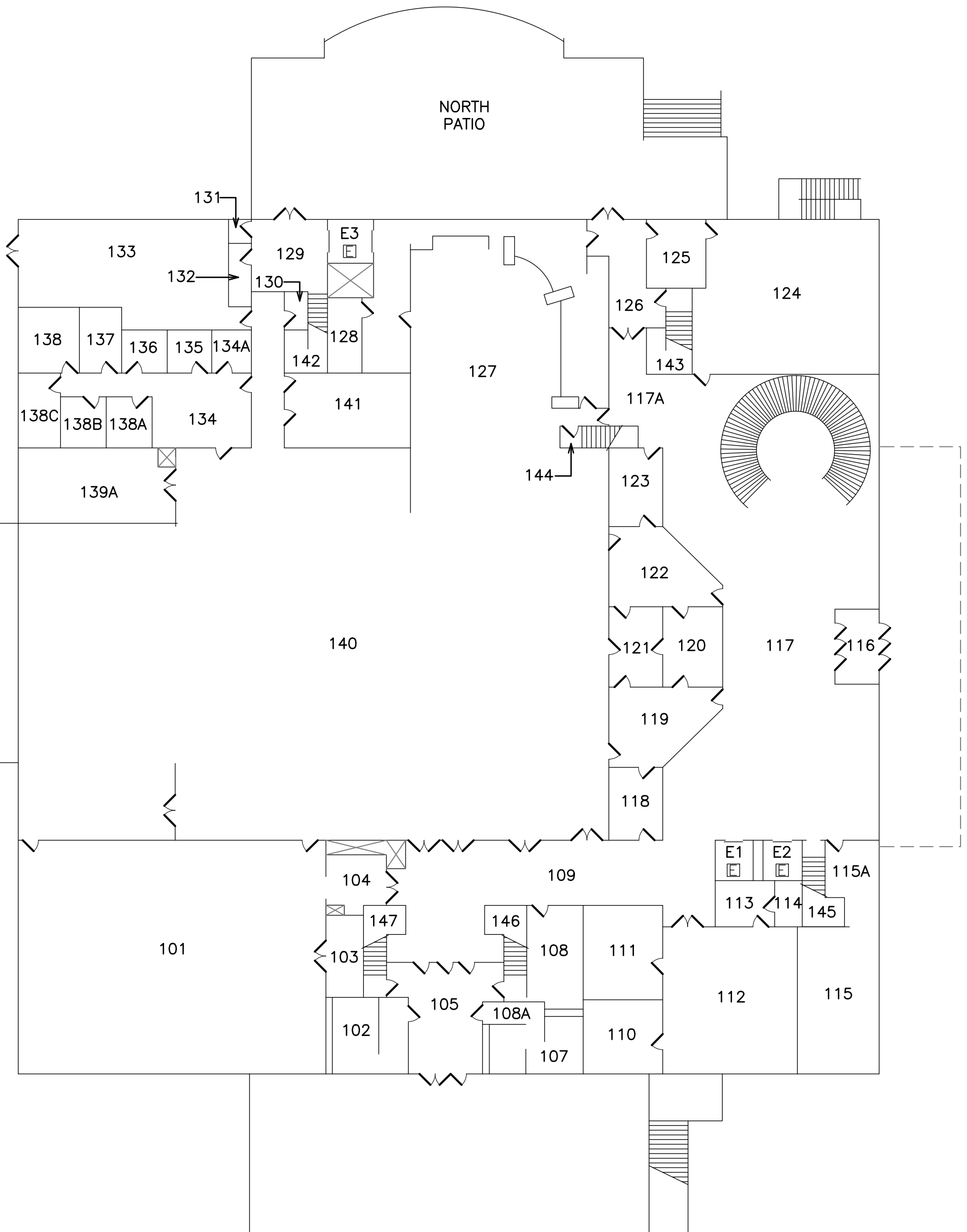
Material Room Feature Locations (by room)	Carpet Floors 001, 002, 003, 003a, 005a, 005b, 010, 015, 016, 017, 105, 108, 110, 111, 112, 113, 114, 115, 115a, 116, 117, 118, 119, 120, 122, 123, 125, 126, 133, 134, 134a, 135, 136, 137, 138, 138a, 138b, 138c, 201, 202, 203, 206, 208, 210, 211, 213, 214, 218, 219, 220, 221, 222, 223, 224, 228, 229, 230, 231, 232, 233, 235, 236, 237, 239, 246, 259, 260, 261, 264, 265, 266, 267, 268, 269, 270, 283, 302, 303, 304, 305, 307, 315, 316, 317, 318, 319, 323, 324, 325, 326, 328, 330, 330a, 331, 332, 336, 337, 339, 342, 344, 345, 346, 348, 351, 352, 353, 353a, 353b, 356, 357, 358, 359, 362, 363, 370, 371, 376, 377a, 377b, 379, 380, 381a, 382, 384, 386, 387, 388a, 388b, 388c, 388d, 389a, 389b, 389c
Material Room Feature Locations (by room)	Ceramic Tile Floors 001, 001a, 001b, 006, 006a, 007, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 028, 029, 033, 037, 038, 039, 040, 041, 042, 043, 048, 049, 050, 051, 102, 107, 127, 128, 131, 132, 141, 207, 217, 225, 227, 238, 240, 243, 244, 251, 252, 254, 255, 273, 308, 311, 373, 374, C-3, C-4, C-5, C-6
Material Room Feature Locations (by room)	Ceramic Tile Walls 007, 015, 018, 019, 020, 021, 022, 023, 024, 025, 033, 041, 042, 043, 049, 050, 127, 128, 131, 132, 141, 217, 238, 243, 244, 311, 373, C-3, C-4, C-5, C-6
Material Room Feature Locations (by room)	Concrete Ceilings 004, 012, 034, 034a, 036, 048, 130, 139a, 142, 143, 145, 146, 147, 204, 209, 276, 285, 287, 288, 364a, 392, Attic, B1, B2, B3, B4, B5
Material Room Feature Locations (by room)	Concrete Walls 004, 034a, 036, 045b, 276, B2, B3, B4

Material Room Feature Locations (by room)	Concrete Block Walls 001, 001a, 002, 003, 003a, 004, 005a, 005b, 010, 011a, 011b, 012, 014, 014a, 014b, 014c, 015, 016, 017, 024, 026, 027, 028, 029, 033, 034, 034a, 035, 036, 037, 038, 039, 040, 044, 045, 045a, 045b, 048, 101, 102, 103, 104, 105, 107, 109, 114, 115a, 121, 125, 126, 129, 130, 133, 134a, 139a, 140, 140a, 142, 143, 144, 145, 146, 147, 202, 204, 205, 207, 208, 209, 212, 215, 218, 223, 224, 225, 226, 227, 232, 233, 235, 236, 237a, 240, 242, 247, 248, 249, 251, 252, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 279, 280, 281, 283, 284, 285, 287, 288, 301, 302, 303, 304, 305, 307, 308, 309, 312, 313, 315, 316, 317, 318, 320, 321, 322, 323, 324, 325, 328, 334, 335, 340, 341, 342, 343, 349, 350, 352, 353, 353a, 353b, 354, 355, 356, 357, 358, 359, 360, 362, 363, 364, 364a, 365, 366, 367, 368, 371, 372, 374, 375, 376, 377, 377b, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 390, 392, 394, Attic, B1, B2, B3, B3a, B4, B5
Material Room Feature Locations (by room)	Metal Floors 030
Material Room Feature Locations (by room)	Metal Walls 030
Material Room Feature Locations (by room)	Other Ceilings 004a, 030, 032, C1, C2, C-3, C-4, C-5, C-6, E1, E2, E3, Freezer
Material Room Feature Locations (by room)	Other Floors 347, 366, 368, C1, C2, Freezer
Material Room Feature Locations (by room)	Other Walls 032, 110, 112, 113, 115, 117, 326, C1, C2, E1, E2, E3, Freezer


Material Room Feature Locations (by room)	Terrazzo Floors 010, 015, 016, 017, 044, 050, 101, 103, 104, 105, 109, 116, 117, 117a, 129, 133, 139a, 140, 140a, 237, 282, 354
Material Room Feature Locations (by room)	Unfinished - concrete Floors 004, 012, 032, 034a, 036, 125, 130, 134a, 135, 136, 137, 138, 138a, 138b, 138c, 204, 209, 239, 276, 341, 342, 352, 356, 357, 358, 359, 362, 363, 364, 364a, 390, Attic, B1, B2, B3, B3a, B4, B5
Material Room Feature Locations (by room)	Wood Floors 124, 241, 242, 245, 257, 258, 262, 263, 278


Appendix C

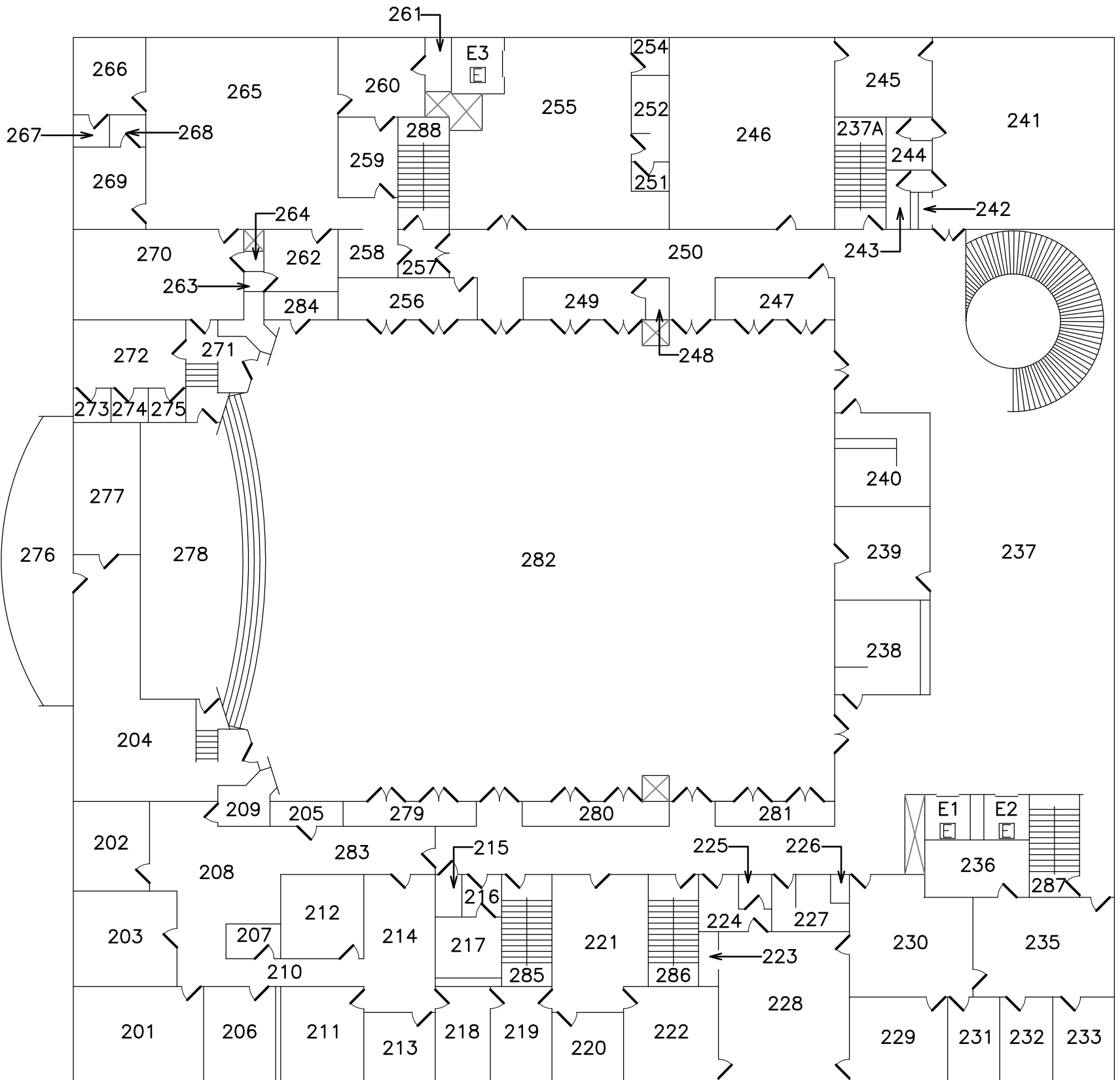
FLOOR PLANS




Legend


- 101 - Room Identification Number
-  - Elevator

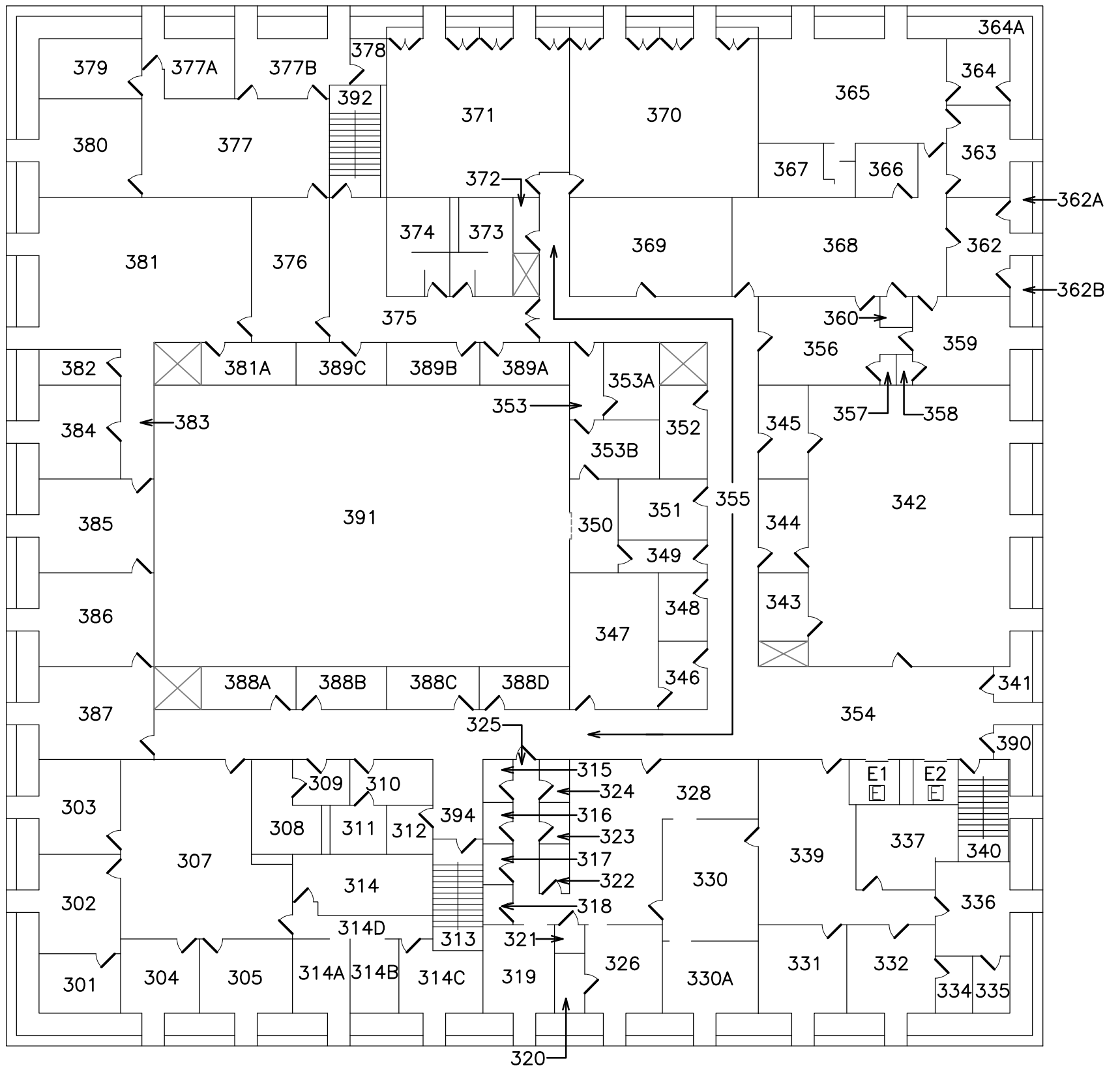
ROADEN UNIVERSITY CENTER FIRST FLOOR TENNESSEE TECHNOLOGICAL UNIVERSITY DIVISION 364 LOCATION 15114 1000 NORTH DIXIE AVENUE COOKEVILLE, TENNESSEE	
REQUESTED BY: T. KEIM	 <small>CREATIVE THINKING. CUSTOM SOLUTIONS.</small>
DRAWN BY: J. LEE	
DATE: 2/25/2015	
PROJECT NO: 0888813120	
NOT TO SCALE	




Legend

- 101 - Room Identification Number
-  - Elevator

ROADEN UNIVERSITY CENTER SECOND FLOOR TENNESSEE TECHNOLOGICAL UNIVERSITY DIVISION 364 LOCATION 15114 1000 NORTH DIXIE AVENUE COOKEVILLE, TENNESSEE	
<small>REQUESTED BY: T. KEIM</small>	 <small>CREATIVE THINKING. CUSTOM SOLUTIONS.</small>
<small>DRAWN BY: J. LEE</small>	
<small>DATE: 2/25/2015</small>	
<small>PROJECT NO: 0888813120</small>	
<small>NOT TO SCALE</small>	<small>(800) 588-7962 WWW.ENSAFE.COM</small>



Legend

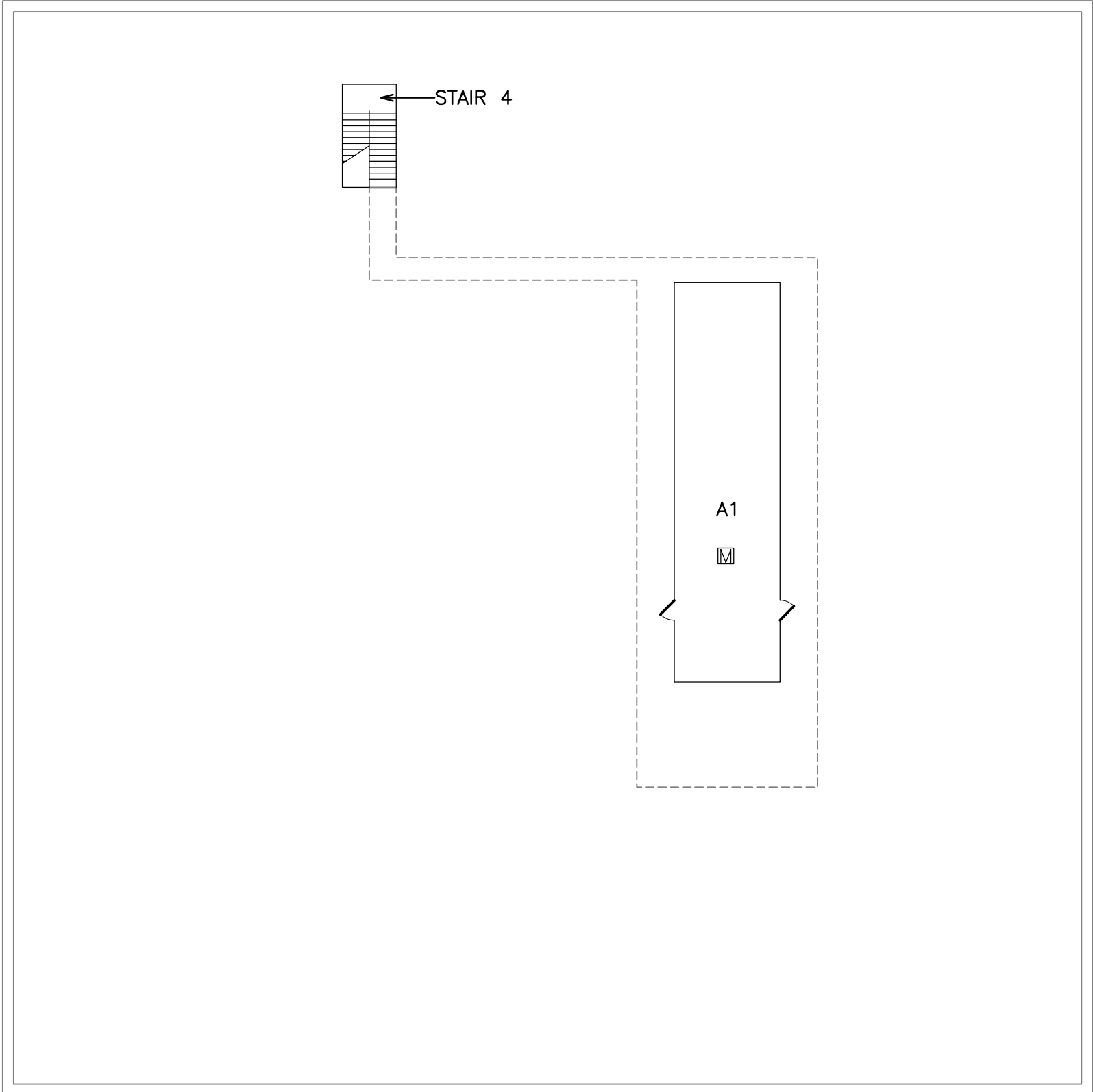
- 101 - Room Identification Number
-  - Elevator

ROADEN UNIVERSITY CENTER
 THIRD FLOOR
 TENNESSEE TECHNOLOGICAL UNIVERSITY
 DIVISION 364 LOCATION 15114
 1000 NORTH DIXIE AVENUE
 COOKEVILLE, TENNESSEE

REQUESTED BY: T. KEIM
 DRAWN BY: J. LEE
 DATE: 2/25/2015
 PROJECT NO: 0888813120




NOT TO SCALE

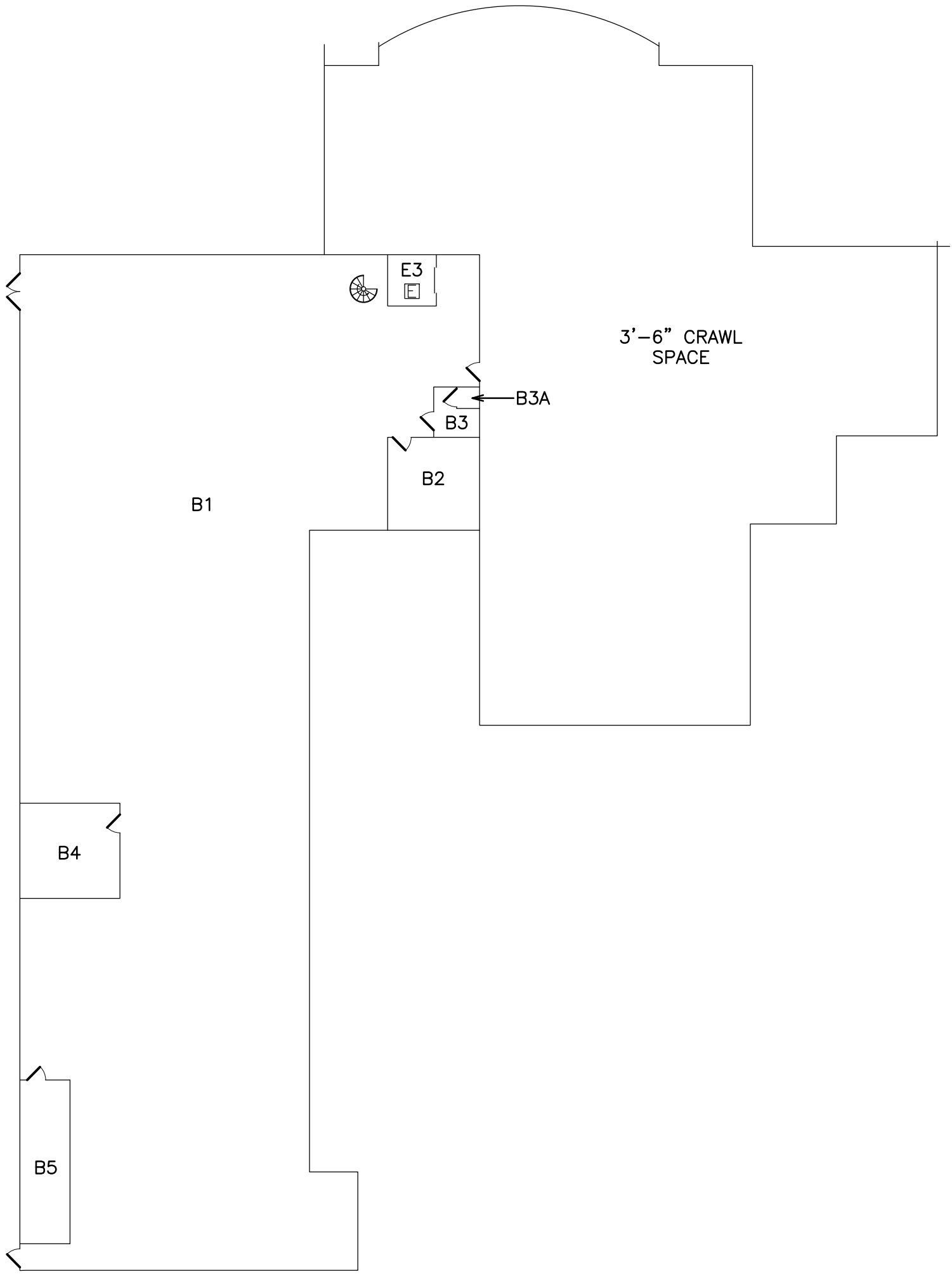


Legend


- 101 - Room Identification Number
- ☒ - Mechanical


ROADEN UNIVERSITY CENTER ATTIC TENNESSEE TECHNOLOGICAL UNIVERSITY DIVISION 364 LOCATION 15114 1000 NORTH DIXIE AVENUE COOKEVILLE, TENNESSEE	
REQUESTED BY: T. KEIM	 CREATIVE THINKING. CUSTOM SOLUTIONS. (800) 588-7962 WWW.ENSAFE.COM
DRAWN BY: J. LEE	
DATE: 2/25/2015	
PROJECT NO: 0888813120	

NOT TO SCALE

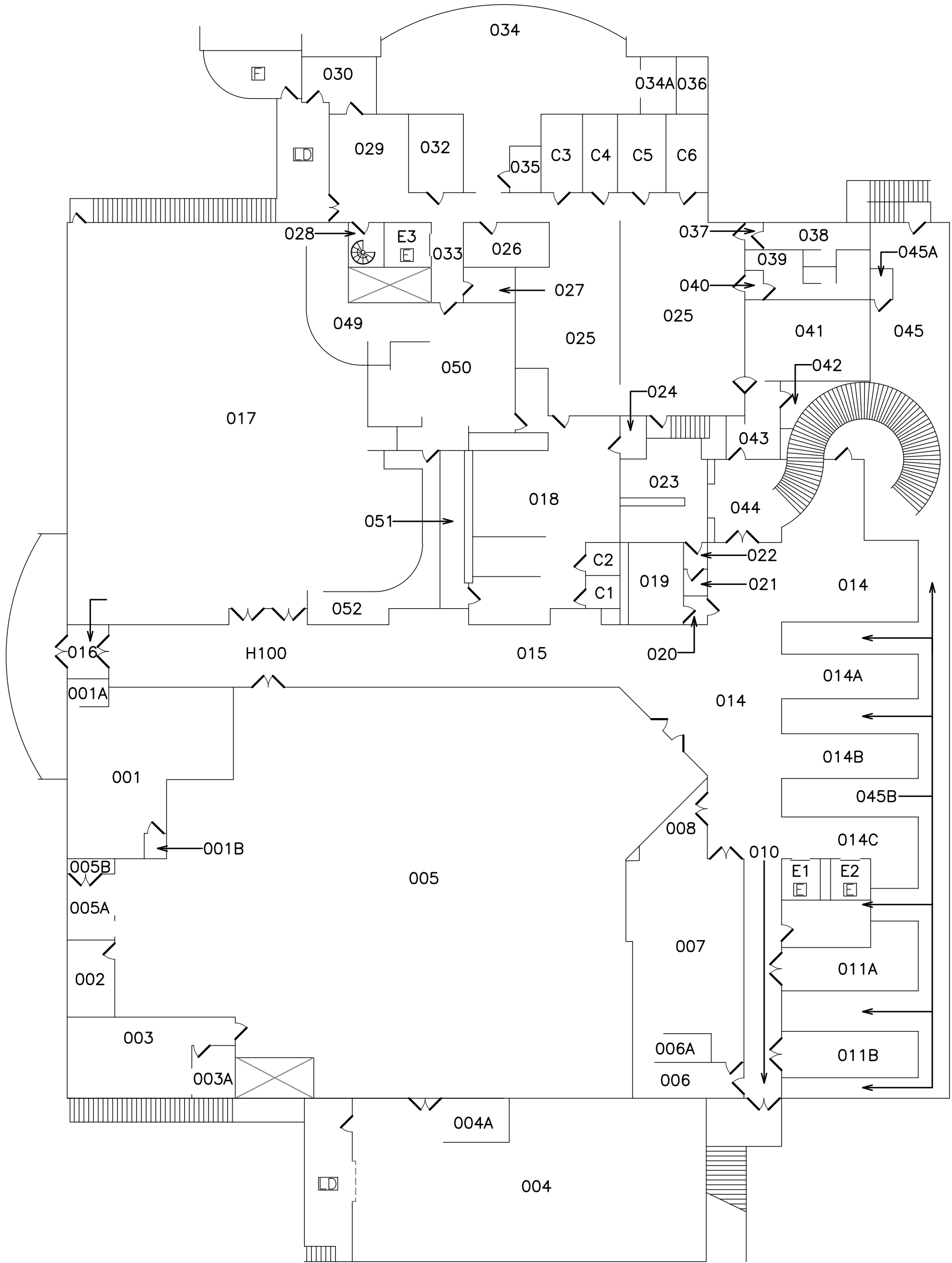


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

- 101 - Room Identification Number
-  - Elevator


ROADEN UNIVERSITY CENTER BASEMENT TENNESSEE TECHNOLOGICAL UNIVERSITY DIVISION 364 LOCATION 15114 1000 NORTH DIXIE AVENUE COOKEVILLE, TENNESSEE	
REQUESTED BY: T. KEIM	 <small>CREATIVE THINKING. CUSTOM SOLUTIONS.</small>
DRAWN BY: J. LEE	
DATE: 2/25/2015	
PROJECT NO: 088813120	

NOT TO SCALE



Legend

- 101 - Room Identification Number
-  - Elevator
-  - Freezer
-  - Loading Dock

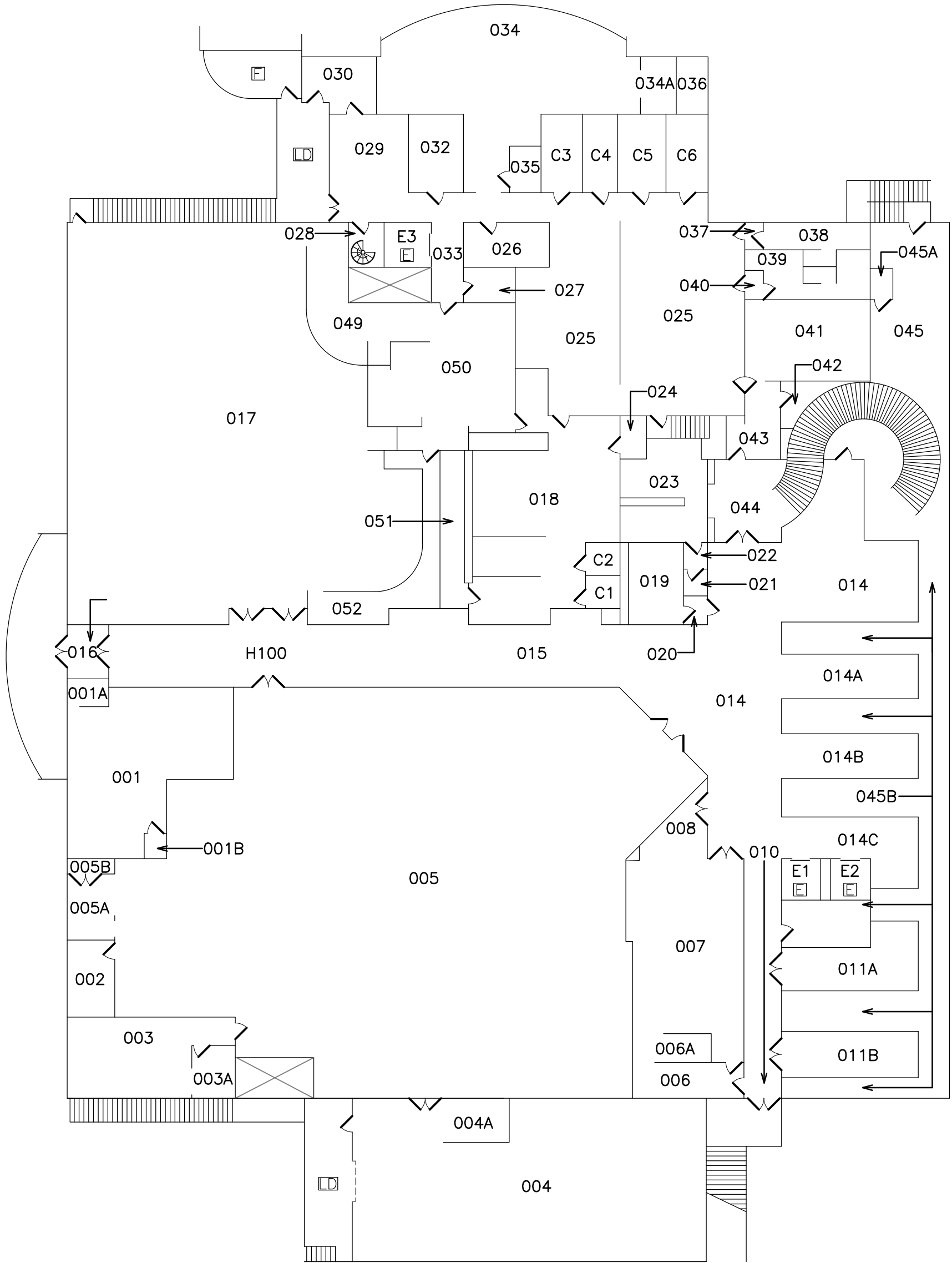
ROADEN UNIVERSITY CENTER GROUND FLOOR TENNESSEE TECHNOLOGICAL UNIVERSITY DIVISION 364 LOCATION 15114 1000 NORTH DIXIE AVENUE COOKEVILLE, TENNESSEE	
REQUESTED BY: T. KEIM DRAWN BY: J. LEE DATE: 2/25/2015 PROJECT NO: 0888813120	 <small>CREATIVE THINKING. CUSTOM SOLUTIONS.</small> <small>(800) 588-7962 WWW.ENSAFE.COM</small>

NOT TO SCALE




Appendix D


GLOSSARY OF ACM REPORT TERMS

TERM ABBREVIATION	TERMS	DEFINITION
HA	Homogenous Area	An area of ACM or suspect asbestos containing material (ACM) which appears similar throughout in terms of color, texture, and date of material application.
F	Friable	Material that can be crumbled, pulverized, or reduced to powder by hand pressure when dry
NF	Non - friable	Material that can not be pulverized with hand pressure when dry.
ACM	Asbestos Containing Material	Material containing more than 1% of asbestos fibers.
ASSUMED NF	Assumed Non-friable ACM	Material not sampled, but assumed to contain asbestos and physically assessed as non-friable.
ASSUMED F	Assumed Friable ACM	Material not sampled, but assumed to contain asbestos and physically assessed as friable
CONFIRMED NON-ACM	Confirmed Non-Asbestos Containing Material	Material sampled and analyzed, and determined not to contain asbestos, and not physically assessed as friable or non-friable.
CONFIRMED NF	Confirmed Non-friable Asbestos Containing Material	Material sampled and analyzed, and determined to contain asbestos, and physically assessed as non-friable.
CONFIRMED F	Confirmed Friable Asbestos Containing Material	Material sampled and analyzed, and determined to contain asbestos, and physically assessed as friable.
TSI	Thermal System Insulation	Insulation used to inhibit heat transfer or prevent condensation on pipes, boilers, tanks, ducts and various other components of hot and cold water systems and heating, ventilation, and air conditioning (HVAC) systems. This includes pipe lagging, pipe wrap; block, batt and blanket insulation; cements and "muds"; and a variety of other products such as gaskets and ropes.
MISC	Miscellaneous Materials	Other, largely nonfriable products and materials, such as floor tile, ceiling tile, roofing felt, concrete pipe, outdoor siding, and fabrics.
SURFACE	Surface Material	ACM sprayed or troweled on surfaces (walls, ceilings, structural members) for acoustical, decorative or fireproofing purposes. This includes plaster and fireproofing insulation.
ASSESSMENT CATEGORY	Assessment Category	Based on the condition of the material, the inspector places each material under one of the following categories; 1) Damaged or significantly damaged TSI; 2) Damage friable surfacing ACM; 3) Damaged or significantly damaged friable miscellaneous ACM; 5) ACM with potential for damage 6) ACM with potential for significant damage 7) Any remaining friable or non-friable suspected or confirmed ACM.
POSITIVE *	Positive *	Material considered asbestos containing due to cross contamination from an adhered material that has been determined to contain asbestos.



Legend

- 101 - Room Identification Number
-  - Elevator
-  - Freezer
-  - Loading Dock

ROADEN UNIVERSITY CENTER GROUND FLOOR TENNESSEE TECHNOLOGICAL UNIVERSITY DIVISION 364 LOCATION 15114 1000 NORTH DIXIE AVENUE COOKEVILLE, TENNESSEE	
REQUESTED BY: T. KEIM DRAWN BY: J. LEE DATE: 2/25/2015 PROJECT NO: 0888813120	 <small>CREATIVE THINKING. CUSTOM SOLUTIONS.</small> <small>(800) 588-7962 WWW.ENSAFE.COM</small>

NOT TO SCALE



STATE OF TENNESSEE
 DEPARTMENT OF FINANCE AND ADMINISTRATION
 DIVISION OF REAL PROPERTY ADMINISTRATION
 WILLIAM R. SNODGRASS TENNESSEE TOWER, SUITE 2200
 312 EIGHTH AVENUE NORTH; NASHVILLE, TN 37243

Homogeneous Areas Report

Building: ROADEN UNIVERSITY CENTER
City: Cookeville
Division #: 364 **Location #:** 15114

This report lists all materials that have been identified as Homogeneous Areas for the areas selected in the Tennessee Asbestos Management System as noted below. Please note the specified location to ensure that this report addresses the area of concern with the most up-to-date information.

Floor: Ground
Room:

HA Number	Material	Description	Asbestos Content	Abated
01	CM = Carpet Mastic	squares, yellow	Confirmed Non ACM	None
02	CKM = Misc. Caulk	white	Confirmed Non-Friable	None
03	GBC/T/JC = Gypsum Ceiling Board/Tape/Joint Compound	white	Confirmed Non ACM	None
04	CKM = Misc. Caulk	window and door caulk, gray	Confirmed Non ACM	None
05	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, tiny cut	Confirmed Non ACM	None
06	GBW/T/JC = Gypsum Wallboard/Tape/ Joint Compound	white	Confirmed Non ACM	None
07	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, small cut	Confirmed Non ACM	None
08	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white	Confirmed Non ACM	None
09	PIM = Pipe Insulation & Jt. Compound Mastic	white	Confirmed Non ACM	None
10	LN = Linoleum	Laminet Flooring - tan and cream mix	Positive* Non-Friable	None
10a	LNM = Linoleum Flooring Mastic	Laminet Flooring Mastic	Confirmed Non-Friable	None

11	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, small fissure	Confirmed Non ACM	None
12	CM = Carpet Mastic	yellow and green mix	Confirmed Non ACM	None
13	CBM = Cove Base Mastic	brown and yellow mix	Confirmed Non ACM	None
14	DRI = Door Insulation	white	Confirmed Non ACM	None
15	DCT = Dropped (Suspended) Ceiling Tile	2'x2', pinhole	Confirmed Non ACM	None
16	LN = Linoleum	Laminate Flooring - light brown	Confirmed Non ACM	None
16a	LNM = Linoleum Flooring Mastic	Laminate Flooring Mastic	Confirmed Non ACM	None
17	VFT = Vinyl Floor Tile	12"x12", off-white (beneath carpet)	Positive* Non-Friable	None
17a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
19	FS = Misc. Fire Stop Material	red	Confirmed Non ACM	None
20	DC = Door caulk	off-white	Confirmed Non ACM	None
21	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, pinhole, busy small cut	Confirmed Non ACM	None
22	PC = Plaster/Skimcoat Ceiling	white	Confirmed Non ACM	None
23	VFT = Vinyl Floor Tile	12"x12", white with green streaks	Confirmed Non-Friable	None
23a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
24	PW = Plaster Wall & Skimcoat	white	Confirmed Non ACM	None
25	VFT = Vinyl Floor Tile	12"x12", off-white with gray and brown mix	Positive* Non-Friable	None
25a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
26	VFT = Vinyl Floor Tile	15"x15", red	Confirmed Non-Friable	None
26a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
27	SAW = Spray-Applied Wall Material	white texture on gypsum wallboard (newer type)	Assumed Friable	None
28	MM = Misc. Mastic Adhesive	FRP Mastic, yellow	Assumed Non-Friable	None
29	SAC = Spray-Applied Ceiling Material	white	Confirmed Friable	None

30	SU = Sink Undercoating	black	Confirmed Non ACM	None
31	DCT = Dropped (Suspended) Ceiling Tile	2'x2', white, heavy texture	Confirmed Non ACM	None
34	WC = Window Caulk	white and gray mix	Confirmed Non-Friable	None
40	VFT = Vinyl Floor Tile	12"x12", dark tan	Confirmed Non ACM	None
40a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None
41	PJF = Pipe Joint off Fiberglass Ins. Lines	off-white	Confirmed Friable	None
43	VFT = Vinyl Floor Tile	12"x12", off-white and tan mix	Positive* Non-Friable	None
43a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non-Friable	None
44	VFT = Vinyl Floor Tile	12"x12", brown and blue green mix	Confirmed Non ACM	None
44a	VFTM = Vinyl Floor Tile Mastic	black	Confirmed Non ACM	None

--- End of Report ---