December 17, 2025

Mr. Jason Bing, RA, LEED AP
Director, Capital Programs
Ann Arbor Public Schools
2555 South State Street
Ann Arbor, MI 48104
BingJ@aaps.k12.mi.us

RE: AEG Project #AE251037
Radon Sampling Services
Ann Arbor Public Schools, Mitchell Elementary School

Dear Mr. Bing:

Pursuant to the request of Ann Arbor Public Schools, Arch Environmental Group, Inc. (AEG) conducted follow-up short-term radon sampling in thirty-four locations in Mitchell Elementary School. The detectors were placed in the facility on December 8, 2025 and were retrieved on December 10, 2025. Samples were analyzed by Air Chek, Inc. located in Mills River, North Carolina.

I. Introduction

The U.S. Environmental Protection Agency (EPA) and other major national and international scientific organizations have concluded that radon is a human carcinogen and a serious environmental health problem. Radon is a naturally occurring radioactive gas. It comes from the natural breakdown (decay) or uranium which is found in soil and rock all over the United States. Radon travels through soil and enters buildings through cracks and other holes in the foundation. Eventually it decays into radioactive particles (decay products) that can become trapped in your lungs when you breathe. As these particles in turn decay, they release small bursts of radiation. The radiation can damage lung tissue and lead to lung cancer over the course of your lifetime. Radon is colorless, odorless, and tasteless. The only way to know whether or not elevated levels of radon are present in a location is to test.

There are two ways to test for radon:

1. A **short-term test** is the quickest test for radon. In this test the device remains in the room for a period of **2 to 90 days** depending on the device.

2. A **long-term test** remains in place for more than 90 days.

The EPA recommends that action should be taken when radon levels are found to be 4pCi/L (Pico Curies per Liter of air) or higher.

II. Sampling Analysis & Strategies

During the initial investigation conducted from November 17-20, 2025, thirty-one sample locations identified radon concentrations above the EPA “action level” of 4.0 pCi/L. Prudent practice suggests that when an initial short-term test be completed as a means of confirming the results of the initial test. As a result, AEG conducted supplemental testing from December 8-10, 2025.

Activated charcoal adsorption devices (ACs) are a passive detector system for the measurement of radon concentrations in the air. Once the detector is opened, radon gas diffuses passively onto the activated charcoal and radon concentration is determined. ACs are passive devices. The charcoal within these devices has been treated to increase its ability to adsorb gases. The passive nature of the activated charcoal allows continual adsorption and desorption of radon. During the entire measurement period (typically two to seven days), the adsorbed radon undergoes radioactive decay. AEG deposited the AC detectors on December 8, 2025. The detectors were placed between knee and shoulder height on a flat or hanging surface. Additionally, the detectors were placed at least 1 foot from exterior walls, 3 feet from windows or doors, away from direct sunlight and away from heat vents. After a designated time, the samples were retrieved on December 10, 2025; the AC detectors were closed and collected for laboratory analysis. Four duplicate samples and two blank samples necessary for quality assurance purposes were also collected at the facility.

As the sample results shown in *Attachment A* indicate, thirty-three of thirty-four sample locations identified radon concentrations above the EPA recommended "action level" of 4.0 pCi/L with sample results ranging from 4.0 pCi/L to 21.0 pCi/L. The sample locations above the action level and there reported concentration are as follows:

- Main Office – 5.5 pCi/L
- Principal's Office – 5.6 pCi/L
- Clinic – 6.1 pCi/L
- Office Copy – 4.8 pCi/L
- Psychologist's Office – 6.5 pCi/L
- Lounge – 6.7 PCi/L
- Green Relax – 4.4 pCi/L
- Suite 11 Commons – 4.6 pCi/L
- Suite 11A – 6.8 pCi/L
- Suite 11B – 4.5 pCi/L
- Suite 11C – 5.1 pCi/L
- Suite 11D – 5.7 pCi/L
- Suite 11E – 18.0 PCi/L
- Media Center – 5.1 pCi/L
- Media Center Office – 4.6 pCi/L
- Media Center North Storage – 4.2 pCi/L
- Room 16 Storage – 5.0 pCi/L
- Stage – 6.0 pCi/L
- Multi-Purpose Room – 5.1 pCi/L
- Room 20 – 6.6 PCi/L
- Chair Storage – 6.9 pCi/L
- Room 1 – 4.4 pCi/L
- Room 2 – 4.2 pCi/L
- Room 21 – 21.0 pCi/L
- Room 22 – 14.6 pCi/L
- Room 23 – 6.4 pCi/L
- Room 24 – 4.7 pCi/L
- Room 26 – 5.7 PCi/L
- Room 3 – 4.0 pCi/L
- Room 4 – 4.7 pCi/L
- Room 5 – 4.1 pCi/L
- Room 6 – 4.6 PCi/L

- Collaboration Room 1 – 11.9 pCi/L

Prudent practice recommends that areas where radon levels are potentially above the "action level" should be retested with a second short-term test to confirm the results of the initial test. As this was the second test above the "action level," AEG recommends progressing to a long-term test of at least 90 days or taking corrective measures to reduce levels below the "action level". It may also be prudent to consider installation of radon mitigation systems as necessary to reduce radon levels below the action level.

III. Conclusions

In accordance with accepted sampling protocols, AEG recommends placing either long-term test kits in the above referenced locations or instituting corrective measures to reduce radon levels below the action level of 4.0 pCi/L. The EPA suggests that schools retest sometime in the future, especially after significant changes to the building structure or the HVAC system.

If you have any question regarding this information or work conducted by Arch Environmental Group, Inc., please feel free to contact me at (248) 426-0165 [office] or (248) 252-3618 [mobile].

Sincerely,

HealthAIR
A Division of *arch environmental group*

Philip E. Grosse
Project Consultant III

Attachment A
Official Laboratory Results

December 15, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
AAPS
MITCHELL ES

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12293908	1	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	4.4 ± 0.6	2025-12-15
12268092	11 COMMONS	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	4.6 ± 0.6	2025-12-15
12268093	11A	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	7.1 ± 0.6	2025-12-15
12268094	11A DUP	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	6.4 ± 0.6	2025-12-15
12268095	11B	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	3.9 ± 0.6	2025-12-15
12268096	11C	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	5.1 ± 0.6	2025-12-15
12268097	11D	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	5.7 ± 0.6	2025-12-15
12268098	11E	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	18.0 ± 1.4	2025-12-15
12293902	16 STORAGE	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	5.0 ± 0.6	2025-12-15
12293909	2	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	4.2 ± 0.5	2025-12-15
12293906	20	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	6.6 ± 0.6	2025-12-15
12293910	21	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	21.0 ± 1.7	2025-12-15
12293911	22	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	14.6 ± 1.2	2025-12-15
12293912	23	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	6.4 ± 0.6	2025-12-15
12293913	24	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	4.4 ± 0.5	2025-12-15
12293914	24 DUP	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	5.0 ± 0.5	2025-12-15
12293916	25	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	2.8 ± 0.5	2025-12-15
12293915	26	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	5.7 ± 0.6	2025-12-15
12293917	3	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	4.0 ± 0.6	2025-12-15
12293918	4	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	4.7 ± 0.6	2025-12-15
12293919	5	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	4.1 ± 0.5	2025-12-15
12293920	6	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	5.0 ± 0.6	2025-12-15
12293921	6 DUP	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	4.1 ± 0.5	2025-12-15
12293923	BLANK 1	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	< 0.3	2025-12-15
12293924	BLANK 2	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	< 0.3	2025-12-15
12293907	CHAIR STO	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	6.9 ± 0.7	2025-12-15
12268087	CLINIC	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	6.1 ± 0.6	2025-12-15
12293922	COLLAB 1	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	11.9 ± 1.0	2025-12-15
12268091	GREEN RELAX	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	3.9 ± 0.5	2025-12-15
12268090	LOUNGE	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	6.7 ± 0.6	2025-12-15
12268085	MAIN OFF	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	5.5 ± 0.6	2025-12-15
12268099	MC	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	5.1 ± 0.6	2025-12-15
12293901	MC N. STO	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	4.2 ± 0.5	2025-12-15
12268100	MC OFFICE	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	4.6 ± 0.5	2025-12-15
12293905	MPR	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	5.1 ± 0.6	2025-12-15
12268088	OFF. COPY	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	4.8 ± 0.5	2025-12-15
12268086	PRINCIPAL	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	5.6 ± 0.6	2025-12-15

Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

December 15, 2025 **** LABORATORY ANALYSIS REPORT ****

Radon test result report for:
AAPS
MITCHELL ES

Kit #	Room Id	Started	Ended	pCi/L	Analyzed
12268089	PSYCH	2025-12-08 @ 5:00 pm	2025-12-10 @ 6:00 pm	6.5 ± 0.6	2025-12-15
12293903	STAGE	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	6.1 ± 0.6	2025-12-15
12293904	STAGE DUP	2025-12-08 @ 6:00 pm	2025-12-10 @ 6:00 pm	5.8 ± 0.6	2025-12-15

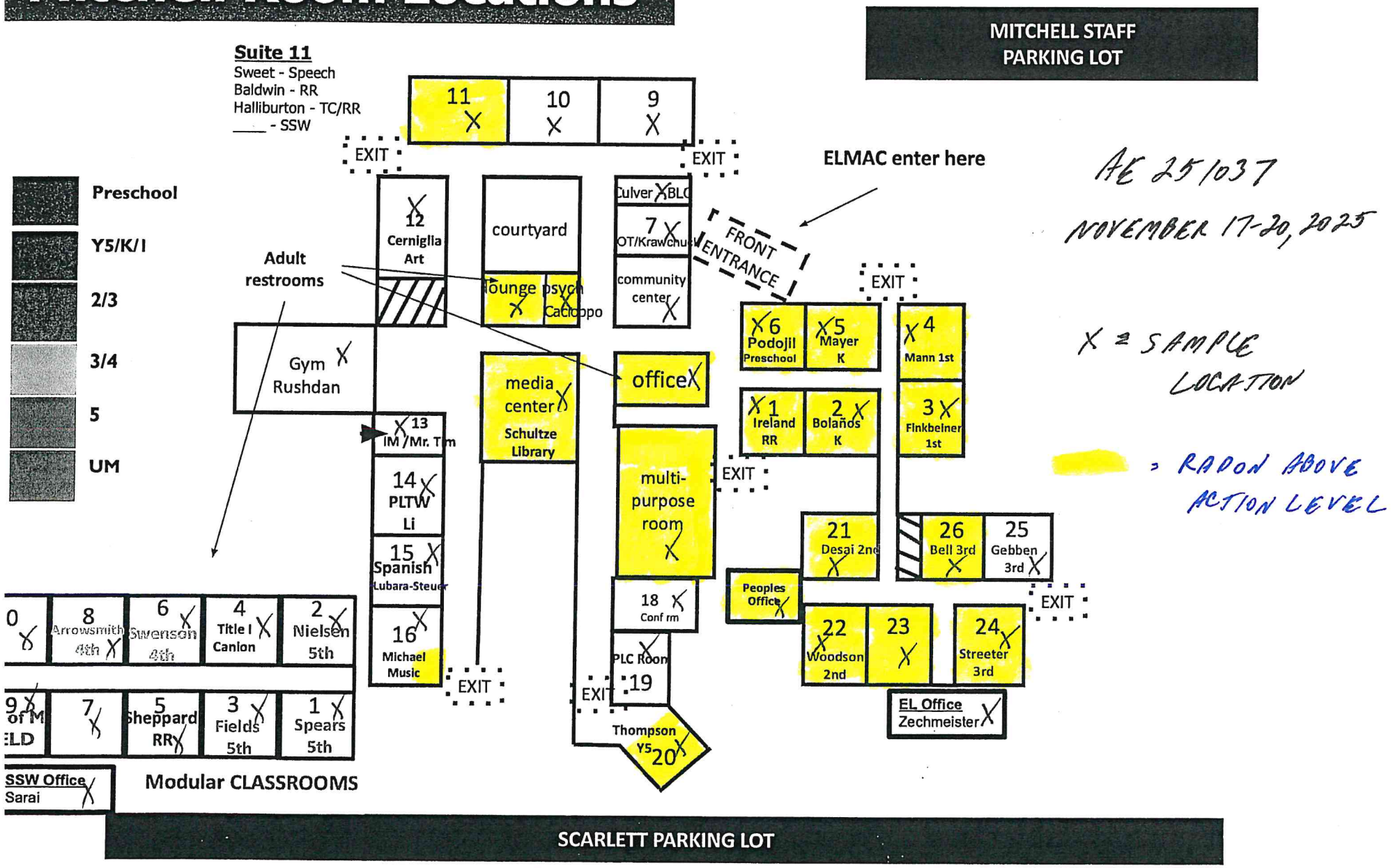
Air Chek 1936 Butler Bridge Rd, Mills River, NC 28759-3892 Phone: (828) 684-0893 Fax: (828) 684-8498

Kit Numbe	Start Date	Start Time	End Date	End Time	Temperatu	Facility	Building	Room	Project ID
12268085	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	MAIN OFF	AE251037
12268086	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	PRINCIPA	AE251037
12268087	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	CLINIC	AE251037
12268088	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	OFF. COP	AE251037
12268089	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	PSYCH	AE251037
12268090	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	LOUNGE	AE251037
12268091	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	GREEN RI	AE251037
12268092	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	11 COMM	AE251037
12268093	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	11A	AE251037
12268094	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	11A DUP	AE251037
12268095	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	11B	AE251037
12268096	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	11C	AE251037
12268097	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	11D	AE251037
12268098	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	11E	AE251037
12268099	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	MC	AE251037
12268100	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	MC OFFIC	AE251037
12293901	2025-12-0	5:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	MC N. ST	AE251037
12293902	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	16 STORA	AE251037
12293903	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	STAGE	AE251037
12293904	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	STAGE DU	AE251037
12293905	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	MPR	AE251037
12293906	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	20	AE251037
12293907	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	CHAIR ST	AE251037
12293908	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	1	AE251037
12293909	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	2	AE251037
12293910	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	21	AE251037
12293911	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	22	AE251037
12293912	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	23	AE251037
12293913	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	24	AE251037
12293914	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	24 DUP	AE251037
12293915	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	26	AE251037
12293916	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	25	AE251037
12293917	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	3	AE251037
12293918	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	4	AE251037
12293919	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	5	AE251037
12293920	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	6	AE251037
12293921	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	6 DUP	AE251037
12293922	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	COLLAB 1	AE251037
12293923	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	BLANK 1	AE251037
12293924	2025-12-0	6:00 pm	2025-12-1	6:00 pm	70	AAPS	MITCHELL	BLANK 2	AE251037

Floor	Result	Variance	Analysis N	Analysis D	%Moisture	Street	City	State	ZIP
1	5.5	0.6		2025-12-1	0.4				
1	5.6	0.6		2025-12-1	1.2				
1	6.1	0.6		2025-12-1	1.2				
1	4.8	0.5		2025-12-1	2				
1	6.5	0.6		2025-12-1	1.2				
1	6.7	0.6		2025-12-1	2				
1	3.9	0.5		2025-12-1	0.4				
1	4.6	0.6		2025-12-1	1.2				
1	7.1	0.6		2025-12-1	1.2				
1	6.4	0.6		2025-12-1	1.2				
1	3.9	0.6		2025-12-1	1.2				
1	5.1	0.6		2025-12-1	0				
1	5.7	0.6		2025-12-1	1.2				
1	18	1.4		2025-12-1	1.2				
1	5.1	0.6		2025-12-1	0.4				
1	4.6	0.5		2025-12-1	1.2				
1	4.2	0.5		2025-12-1	1.3				
1	5	0.6		2025-12-1	1.3				
1	6.1	0.6		2025-12-1	2.1				
1	5.8	0.6		2025-12-1	1.3				
1	5.1	0.6		2025-12-1	2.1				
1	6.6	0.6		2025-12-1	1.3				
1	6.9	0.7		2025-12-1	2.1				
1	4.4	0.6		2025-12-1	2.1				
1	4.2	0.5		2025-12-1	2.1				
1	21	1.7		2025-12-1	2.9				
1	14.6	1.2		2025-12-1	2.1				
1	6.4	0.6		2025-12-1	2.1				
1	4.4	0.5		2025-12-1	2.9				
1	5	0.5		2025-12-1	2.1				
1	5.7	0.6		2025-12-1	1.3				
1	2.8	0.5		2025-12-1	1.3				
1	4	0.6		2025-12-1	2.1				
1	4.7	0.6		2025-12-1	2.1				
1	4.1	0.5		2025-12-1	2.1				
1	5	0.6		2025-12-1	1.3				
1	4.1	0.5		2025-12-1	2.1				
1	11.9	1		2025-12-1	2.1				
0	< 0.3	0.5		2025-12-1	1.3				
0	< 0.3	0.5		2025-12-1	1.3				

Attachment B
Sample Location Maps

Mitchell Room Locations



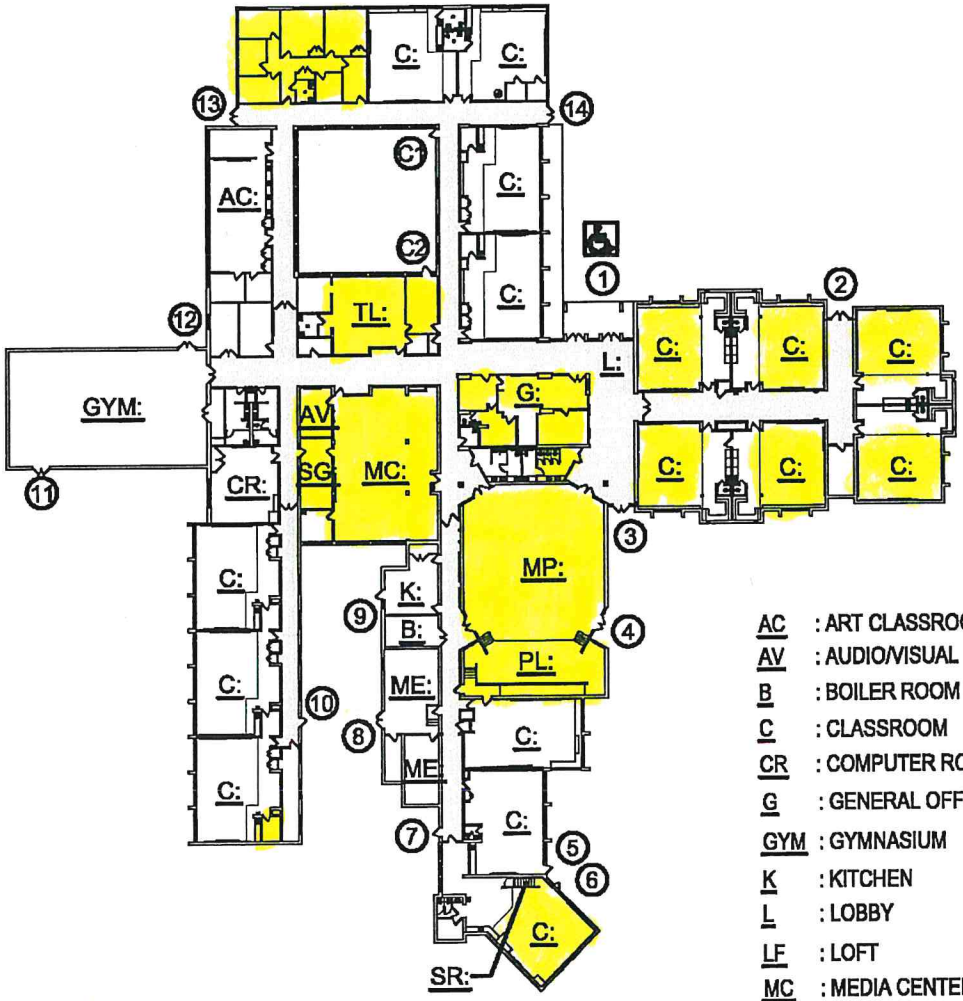
AE 251037

NOVEMBER 17-20, 2025

X = SAMPLE LOCATION

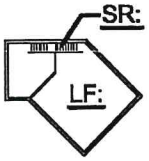
= RADON ABOVE ACTION LEVEL

PA: PUBLIC ADDRESS SYSTEM
FA: FIRE ALARM CONTROL PANEL
EP: MAIN ELECTRIC PANEL
EM: ELECTRIC METER
GM: GAS METER
GS: GAS SHUT-OFF
WM: WATER METER
WS: WATER SHUT-OFF
⑥: SECURITY DOOR (NUMBERS VARY)
BARRIER-FREE ENTRANCE



AC : ART CLASSROOM
AV : AUDIO/VISUAL
B : BOILER ROOM
C : CLASSROOM
CR : COMPUTER ROOM
G : GENERAL OFFICE
GYM : GYMNASIUM
K : KITCHEN
L : LOBBY
LF : LOFT
MC : MEDIA CENTER
MP : MULTIPURPOSE ROOM
PL : PLATFORM
SG : SMALL GROUP
SR : STAIRS
TL : TEACHER LOUNGE

= RADON ABOVE ACTION LEVEL



FIRST FLOOR PLAN CONTRACTOR EDITION

Mitchell Elementary School

Ann Arbor Public Schools

Mitchell and Mouat Architects

N

0 64
SCALE: FEET

NOVEMBER 2011