

ATTACHMENT F – MOLD REPORT, JOHNSTOWN YMCA



Century Environmental Hygiene LLC

3201 E. Mulberry St, Unit C, Fort Collins CO 80524 (970) 266-8000 (970) 266-0022 (Fax) www.centuryenvironmental.com

March 21, 2023

Brad Hirssig Executive Director Facilities YMCA of Northern Colorado Johnstown, CO

Re: Johnstown YMCA Pool

Dear Mr. Hirssig:

Re: Mold inspection Johnstown YMCA pool building

Dear Mr. Hirssig:

At your request, Century Environmental Hygiene LLC (CEH) performed a targeted mold inspection in the Johnstown YMCA pool building. The scope of the inspection was focused on the pool room and some adjacent areas. In the pool room, we performed moisture meter readings and inspection of drywall for observable mold growth in accessible areas of the walls. Air sampling was also performed.

Findings—Mold Inspection

The lower walls on the south and east side were damp and showed mold growth up to the soffits except on the west end of the south wall. One location on the north wall also had mold growth. No mold growth was observed on the upper walls on either side of the wall. However, some areas still have water issues (e.g., by the slide) and several have had water dripping on the outside of the wall and may need to be removed due to swelling or may not be able to be repaired.

Four tape samples to confirm mold growth where it was observed. All four samples indicated mold growth was present in the location. See table below.

Sample Location	Sample Number	Result				
Pool area, east wall, north corner at cove base	030623PJ-T01	Mold growth				
Pool area, south wall, east side, at cove base	030623PJ-T02	Mold growth				
Pool area, south wall, west side, soffit	030623PJ-T03	Mold growth				
Pool area, north wall, east side, at cove base	030623PJ-T04	Mold growth				

A drawing showing locations where mold or moisture was present is attached in Appendix A. Field notes are attached in Appendix B.

Finding—Air Samples

Air samples for mold spores were collected on spore trap (Air-O-Cell, Allergenco-D, or equivalent) cassettes in accordance with the manufacturer's recommendations. Labeled cassettes were attached to a Buck Bio-Aire pump and positioned approximately five feet above the floor. Air was drawn through the cassette at 15 liters per minute for five minutes. As the air passes through the cassette, mold spores and other particles are collected on an adhesive surface. Samples were collected at different locations, including outside the building, to provide a basis for comparison. The samples were then submitted to Aemtek to be analyzed by optical microscopy. In each microscope field, the number and type of mold spores were counted. The calculated results were based on the number of spores counted and the air volume for each sample

Analysis of mold spores on spore trap cassettes has several advantages over other sampling techniques. However, depending on the characteristics of the spore types found in the sample, spores generally can only be identified to a genus level or above. Thus, the report indicates the genus of the identified spore in italics, i.e., *Cladosporium* means spores of the *Cladosporium* genus. In some cases, spores cannot be differentiated to the genus level. For example, *Penicillium* and *Aspergillus* may be difficult to reliably differentiate from other small, unicellular spores, so when spores of this type are found, they are classified as *Penicillium/Aspergillus*-like. In other cases, spores can be identified to a general group, including ascospores, basidiospores and mitospores.

Health-based standards for exposure to speciated airborne mold spores, outside of highly individualized allergic responses, have not been determined. This is particularly true for those species which are not commonly found indoors such as *Chaetomium* and *Stachybotrys*. Due to this limitation and the fact that these species are not commonly found indoors, CEH utilizes a conservative criteria of 0-1 spore as an acceptable level to designate mold sampling results as either elevated or normal.

The results of air samples are interpreted by comparing the indoor samples with the concurrent outdoor sample. There are no numerical standards that define an "acceptable" exposure to mold. This is due to three principal reasons: 1) individual sensitivity to mold varies quite a bit, so it is difficult to define acceptable exposure for the general population; 2) there are many species of mold, and most have not been tested to determine human responses, yet ones that have been tested vary in potency; and 3) there are several different health endpoints to be considered, e.g., allergies, asthma, and different forms of irritation. Therefore, the general practice is to minimize mold levels to a reasonable extent (ACGIH, Bioaerosols: Assessment and Control, 1999). If the mold levels are higher than concurrent outdoor sample(s), and an indoor source is present, elimination of the source and the resulting growth will reduce exposure and may reduce poor health outcomes.

It is important to note that air samples are collected over a finite period and only directly assess the airborne mold levels over that interval. These results will reasonably represent typical conditions unless various factors take effect that would unduly influence the airborne mold level during or after the test. Some things that can influence mold levels include HVAC cycling, air exchange (including doors and windows open/closed), housekeeping activities, construction activities, and the presence of intermittent water sources in a building. Thus, indoor mold levels are variable. Outdoor samples also can vary with time of day and seasonal conditions. The levels of spores and other particulate matter inside a building will be affected by outdoor levels due to air exchange between the building and the outside environment. Thus, when levels of spores inside a building are roughly the same or less than outdoor levels, by spore type, an indoor source of mold growth is not indicated. However, since the outdoor levels fluctuate and a temporal component of the indoor-outdoor correlation exists, levels inside that are higher than outdoor levels do not necessarily indicate an indoor source is present. We use the following criteria as the basis for data interpretation. If the indoor level of a spore type is higher than outdoor, there may be an indoor source if:

- 1. The indoor spore levels of a type are somewhat higher than outdoor levels (i.e., a two fold difference may be significant in the statistical sense).
- 2. If the outdoor source is not-detectable or very low (e.g., less than 100 spores/m³), the indoor level may not be significant even if higher than the outdoor level.
- 3. If the outdoor source is temporarily higher than usual for that spore type and time of year, indoor sources may be obscured.
- 4. Data trends and comparability are taken into account when multiple samples are collected from areas that bear a relationship to a suspected source.

The air sampling field data sheet can be found in Appendix C, IH Air Sampling Data Sheet. Lab reports are attached in Appendix D. Results from air sampling are presented in the following table.

Sample Location	Sample Number	Result
Outside, 15' southeast of entry	030323PJ-01	Reference sample
Inside, pool area, northeast	030323PJ-02	Normal spore levels
Inside, pool area, center south	030323PJ-03	Normal spore levels
Inside, pool area, northwest	030323PJ-04	Normal spore levels
Inside, first floor, entry lobby	030323PJ-05	Normal spore levels
Inside, first floor, onsite office	030323PJ-06	Normal spore levels
Inside, first floor, family locker	030323PJ-07	Normal spore levels
Inside, second floor, weight room,	030323PJ-08	Normal spore levels
east		
Inside, second floor, corridor, center	030323PJ-09	Normal spore levels
Outside, 15' southeast of entry	030323PJ-10	Reference sample

None of the air samples indicated elevated mold spore levels on the day of sampling.

We performed a visual inspection of the air handler on the roof that serves the pool area. It was not running, as it is reportedly not able to work correctly at this time. There appears to be a leak in the pool area with water dripping out of the supply duct as it enters the pool area from the air handler located above. However, the source of the leak could not be identified from inside the air handler. This should be determined and corrected before pool area repairs are made. There was standing water in parts of the air handler that appears to have a biofilm in it. Biofilms may contain algae, bacteria, and fungi and should be thoroughly cleaned prior to turning the system on. All parts of the air handler should be cleaned and disinfected with an antimicrobial that works on Legionella as parts may have biofilms that may have dried out.

Please feel free to contact me if you have any questions or need further assistance.

Sincerely,

James E. Dennison, CIH

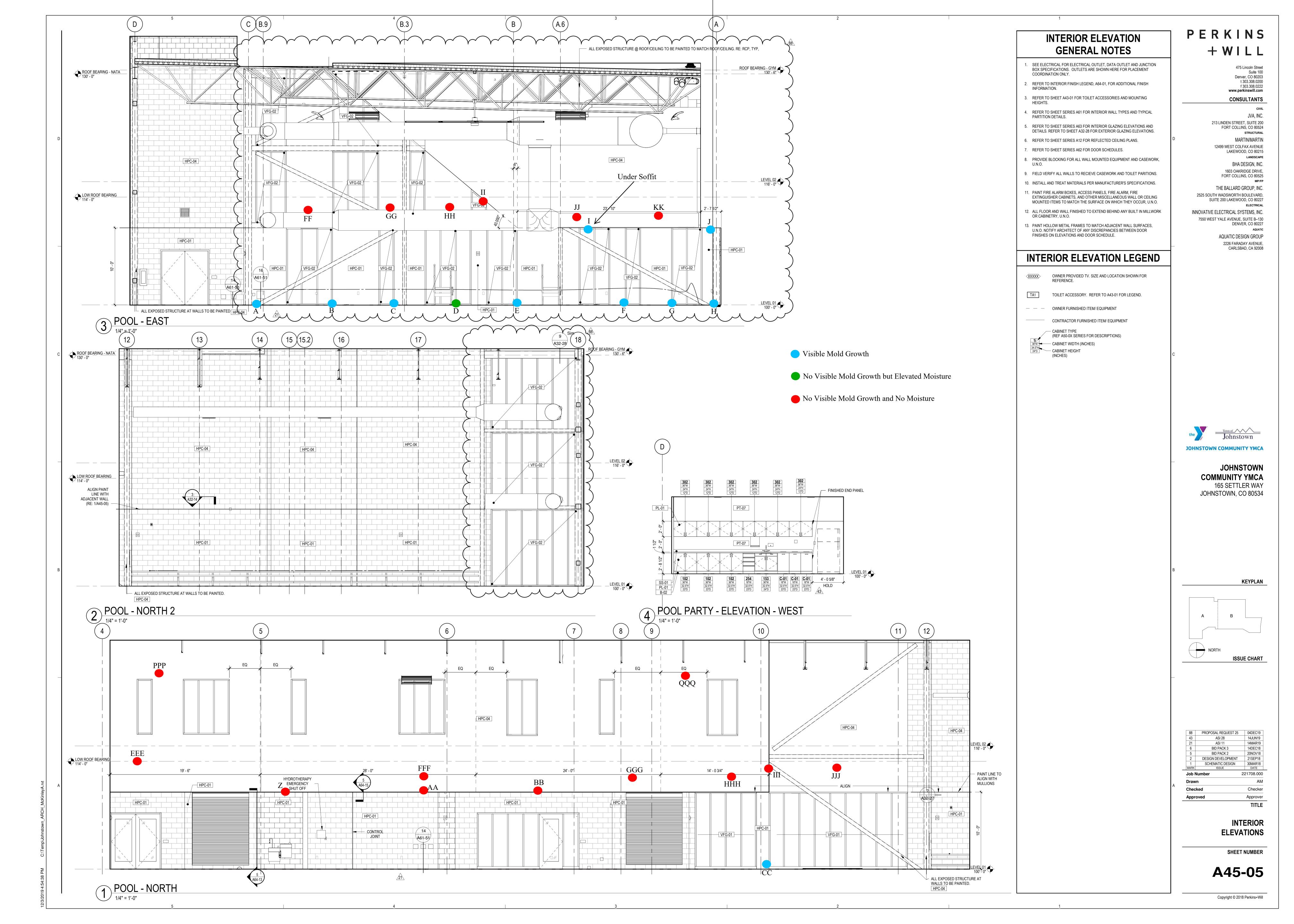
Attachments:

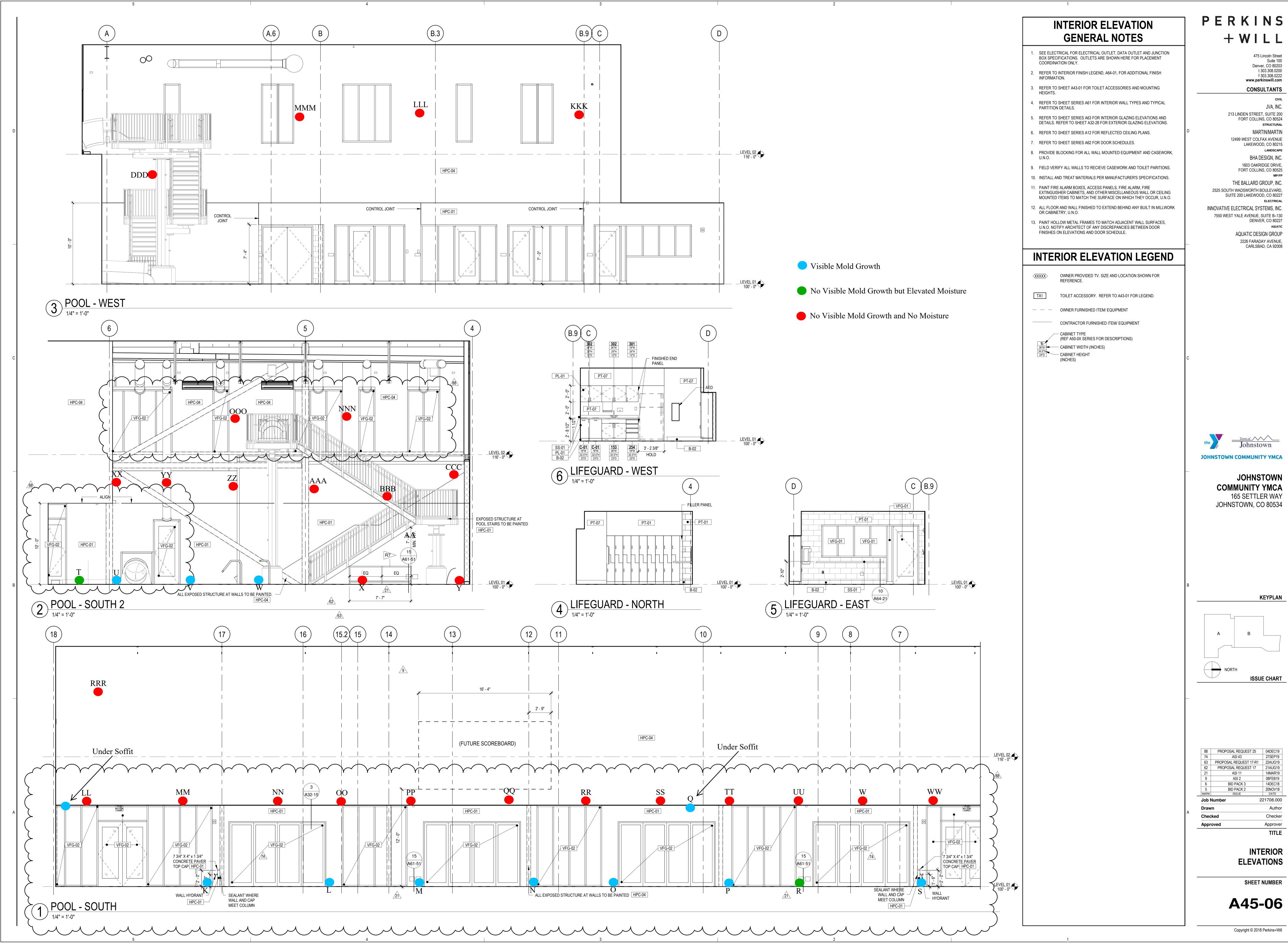
- A. Drawings
- B. Field Data
- C. Sample Log Sheets
- D. Lab Reports

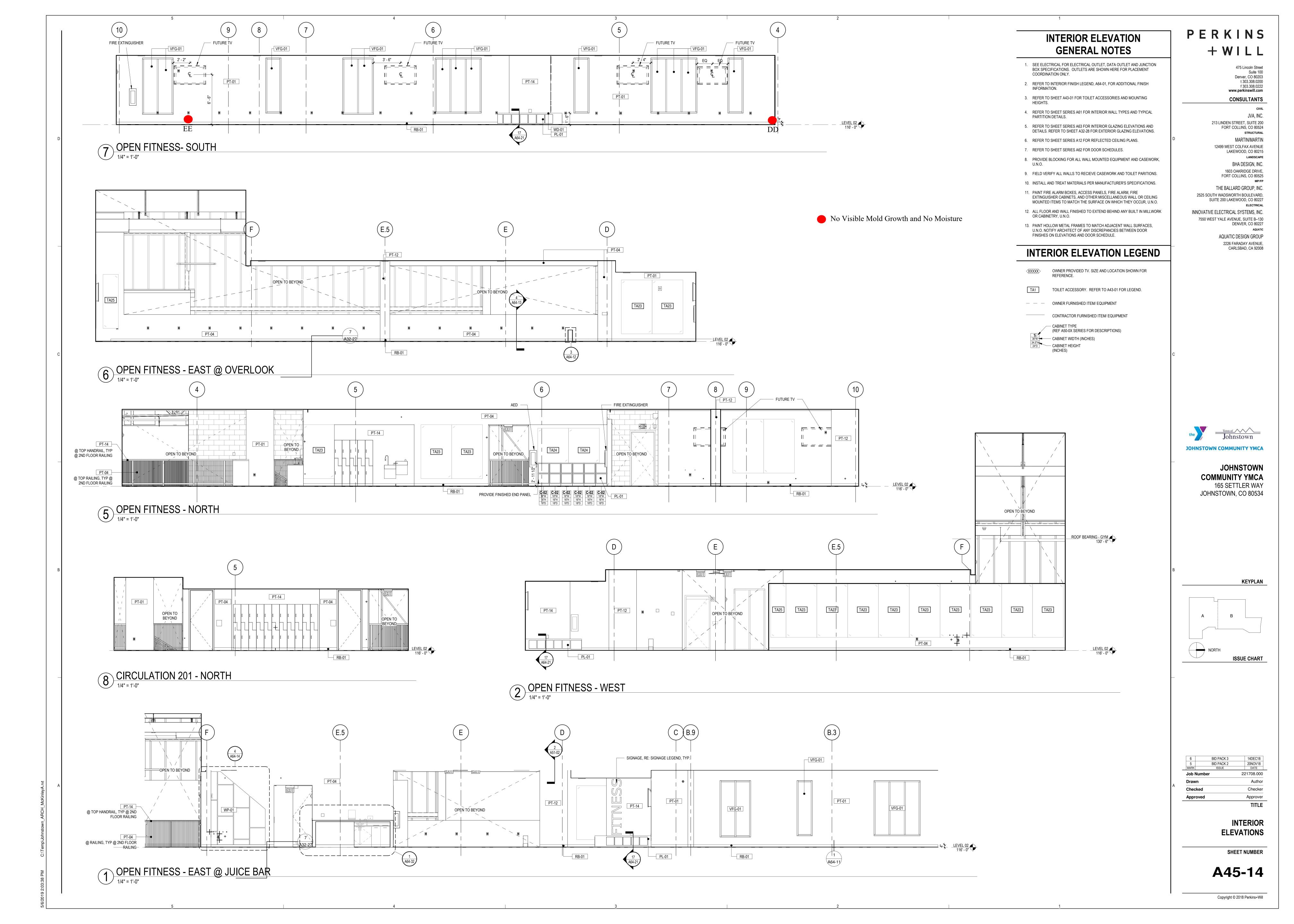
Disclaimer:

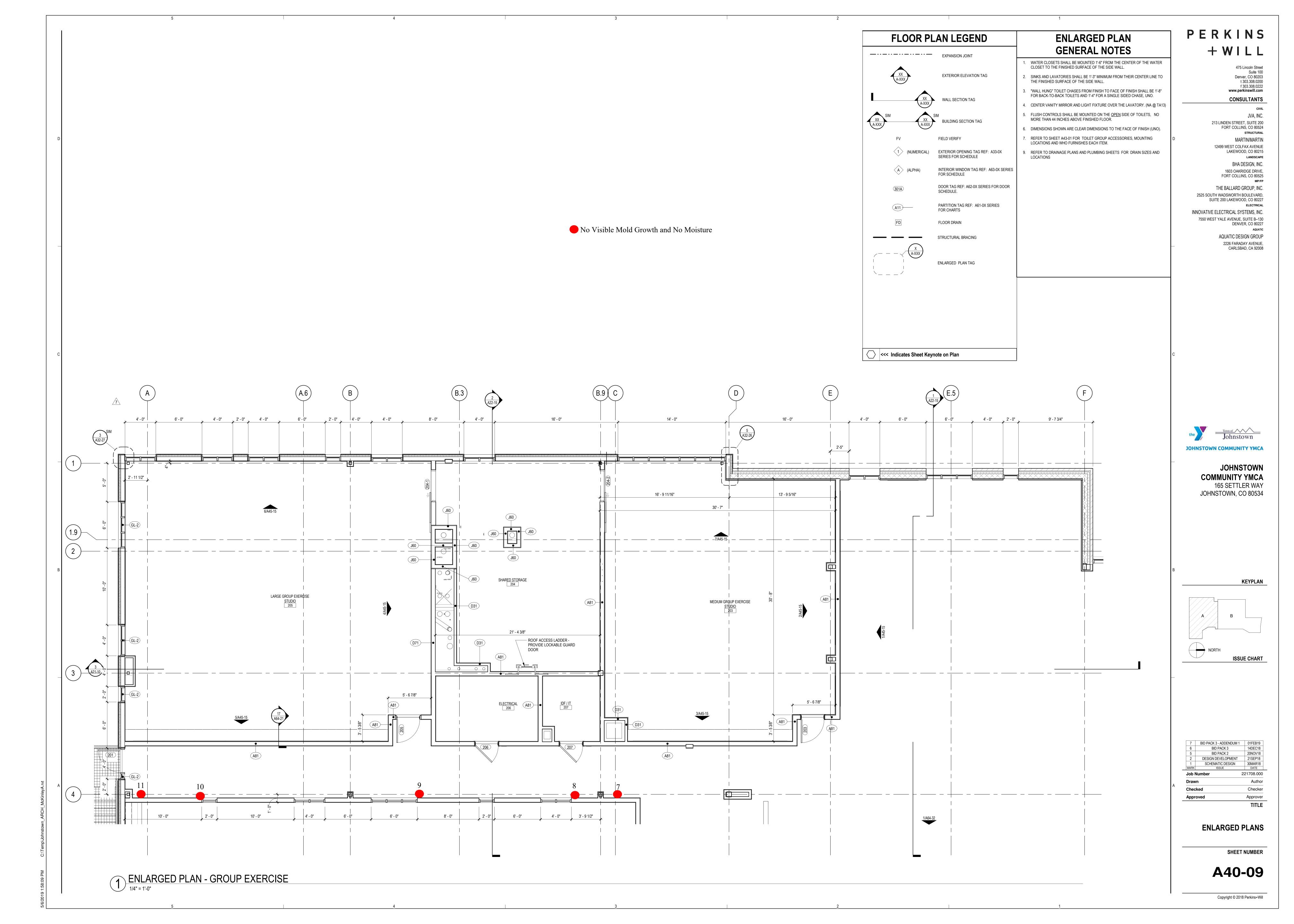
If the owner of the property elects to use certain abatement contractors, CEH reserves the right to decline further involvement in the project. No evaluations beyond those described in the report have been made and CEH is not responsible for any hazards or risks, apparent or otherwise, other than those included in this evaluation. As with any conclusions made based on visual observations and/or random and limited sampling, there is an inherent possibility that undetected conditions exist, and CEH does not accept liability for any not reasonably ascertainable from the data or observations made. Sampling can be inherently obtrusive, and CEH does not accept liability for any damage to the property reasonably occurring during the course of the work in connection with its duties. The only warrantee expressed or implied is that the work conforms to standard industry practice at the time it was performed. In the unlikely event a defect in the work is noted, the client has the option to request that the defect be remedied at no additional cost, or a pro rata deduction in the fee billed. CEH's maximum liability to any party shall not exceed the fee for the defective portion of the work. Any reports issued are for the sole use of the client and reliance on it by others it at their sole risk.

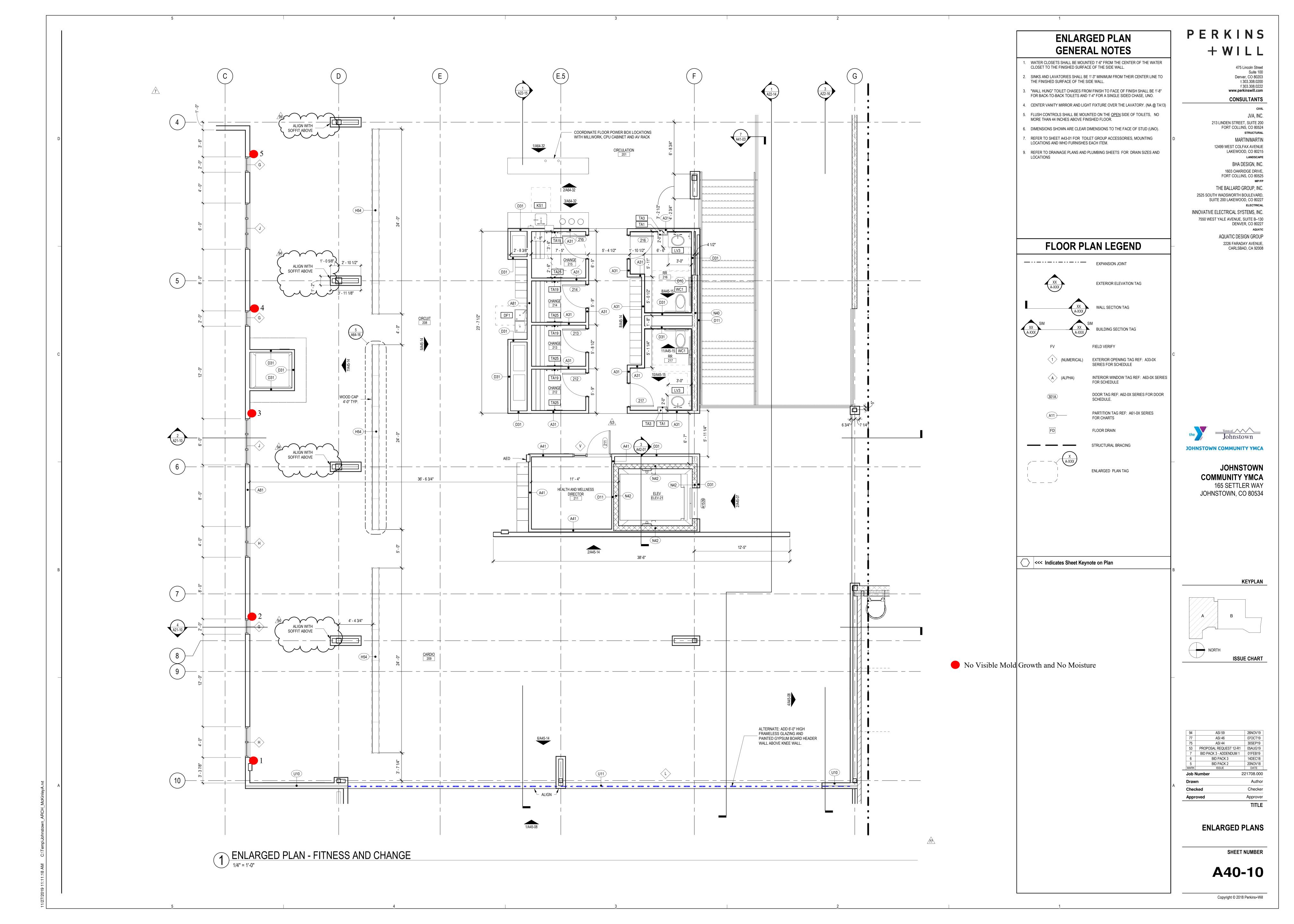
APPENDIX A











APPENDIX B

Field Notes PAGE 1 OF 4

Project:	165 Settlers Way	P/N 7191.23 Date:	3/3/23
Location:	Johnstown, co		
A 23%			COMMUNES 0'5×1
	moistire, vmg, lower	ligh tags	O COORDINATES
B 100%			0 HT., 12'S OF N
C _ 60 %	VMG,		OH., 19'SORN
D 98%	, NMG	tew t	er OHT., 29'SOFN
€ 31%	, vma,		00 HT. 26'N&S
F 81%	, VMG		OHT., 13' N of S
G 100%	, VMG		OHT. 7'N 0-5
H 18%	, VMG	V.	OH. ON OF
1 85%	, vMG, lower e	ast wall, soff+	10' HT. 15' N OF S
J 100%	I	St wall soffit	10'HT, 2 N 059
K 100%	, VMG, lower		0 HT, 20 NOEE
L 100%	vMG,		OHT 34 WOFE
M 33%	, vMG,		O HT. 44' WOFE
N 31%	, VMG,		0 HT. 60' WOFE
0 51%	,VMG,		0 HT., 71 W OFE
P 100%	, vMG,		O Hr., 83' WOFE
01,0001°	, vMa,	soffit	10' HT, 83'W OF E
R 100%	, NMG,	•	0 HT., 70 E & W
S_31%	VMG,	, water Compranded	0 H. 58 E SEN
T 15%	, NMG,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 / 1
00°%	, vMG,	,	0 HT. 48E OF W
The state of the s	, , , , , , , , , , , , , , , , , , , ,		0' HT. 43 E OF W

		30	Iers Way	P/N	7191.23 Date: 3	6/23
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W	100%	_	VMG,	-		O HT. 28 FOFL
×	ND		NMG .		d War d	OH., 14 Fach
4_	ND		, NMG		V	O HT., 2 FOFT
7_	ND		, NMG	, lower	north wall	10'Hr., 19'E OF W
AA_	_NP		NMG		SOFFIT (AHA)	10'HT., 38'Each
BB_	NO		NMG		(AH#2)	10' HT, 56 E OF W
CC	ND		, VMG		(AH#3)	D'HT., 79 Each
DD	N0 _		+ NMG	2nd flo	Or, corridor,	0' HT., 29 N&S
EE	NO		NMG,	1	fast wall fitness area	O'HT, 9 WOFE
. ()	183-133-				5. WALL	
FF	15%	NYMG	EAST WALL	M10 5608	on, NORTH SUS	12' HT 8'5 OF N
GG.	1690		EAST WILL	п	и	12' HT 20'S OF N
НН	15%	NYMG,	EAST WALL	· · ·	MIDDLE	12' HT 29'S OF N
II	19%		, EAST WALL	····	Saul SIDE	14' HT 26' H OF 8
JZ	17%		EAST WALL	<u> </u>	SOUN SIDE	10 HT 18 H & S
KK_	16%		EAST WALL	1,	SOLIN SIDG	10'HT 8'N 00 5
LL_	20%	,	SOUTH WALL	()	EAST SIDE	10'HT 6'WOFE
HM_	18%	,	11	11	11	10'HT 16'W OFE
NN.	15%	1	N	ч	11	10' HT 24 W OF E
00_	17%	,	11	11	13	10'HT 35 W OF E
		• /				

Field Notes

	Project:	165 SE	tholy inv	Į.	NN 7191.23	Date: _ 3	-7-27	3	
	Location:	ZONNE	Dusal, 10			Гесh: <u>Р.</u> Т		-392=30	
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२२	18%	NVMG,	П	η	11		,	56' W	
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CCC	MD	MMG	11	H.	11		' HT,	2 E	
DOD	an	WMG	WEST WA	ul, 11	SOUTH S		' HT,	9140	
EEE	11.0%	5 NVMG	north w	ALL, 11	WES	105 11			
FFF	11.0%	MMG	n	11	11			42E	
944	13%	NVMG,	11	II	CTR		0.00	68 E	
HHH	9%	MMG,	p	1)		1	. /	79E	1
[11]	ND	WMG.	II (W	SER II		S106 11			
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							,		VI 10.

& RULHING WATER 6" TO SINST (UNDER WATER SLIDE LEAR)

PAGE 4 OF 4

Field	Matas
rieid	Notes

	Project:	165 Se	ALERS WAY		P/N 7191.23 Date	3-7-23 /3-13-2
	Location:	zuhot_	round, co		사람이 들어서 가끔하다 하다가 있다.	P. JAECKEL
KKK	10%	NVMG,	WEST WALL, UP	PER SEC	FLOOR, NOBTH SIDD	21 HT, \$5 0 N
lu	10%	DUNG		1)	GIR.	26 Hr 39'S FN
Mrt	1 10	MMG	The state of the s	n	CTR. SORAN	20' HT, 53'S OF N
MM	N 1490	MMG.	SOUTH WILL,	И	WEST	23' HT, 14'E OF W
000	17%	MMG		11	11	23' HT, 30'E of W
pof	NV_	WYHG	NOOH WALL	11	j\	27'HT, 6'BOFW
QQ	Q ND	NVMG,	11	Н	CTR.	25' HT, 73 H OF W
RRI	R 16%	NVM G	South would	11	EAST	25' HT, 5' W OF E
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APPENDIX C

Mold Air Sampling Data

Client Name: YMCA

Address: US SCHUCKS WH, JOHNSTON

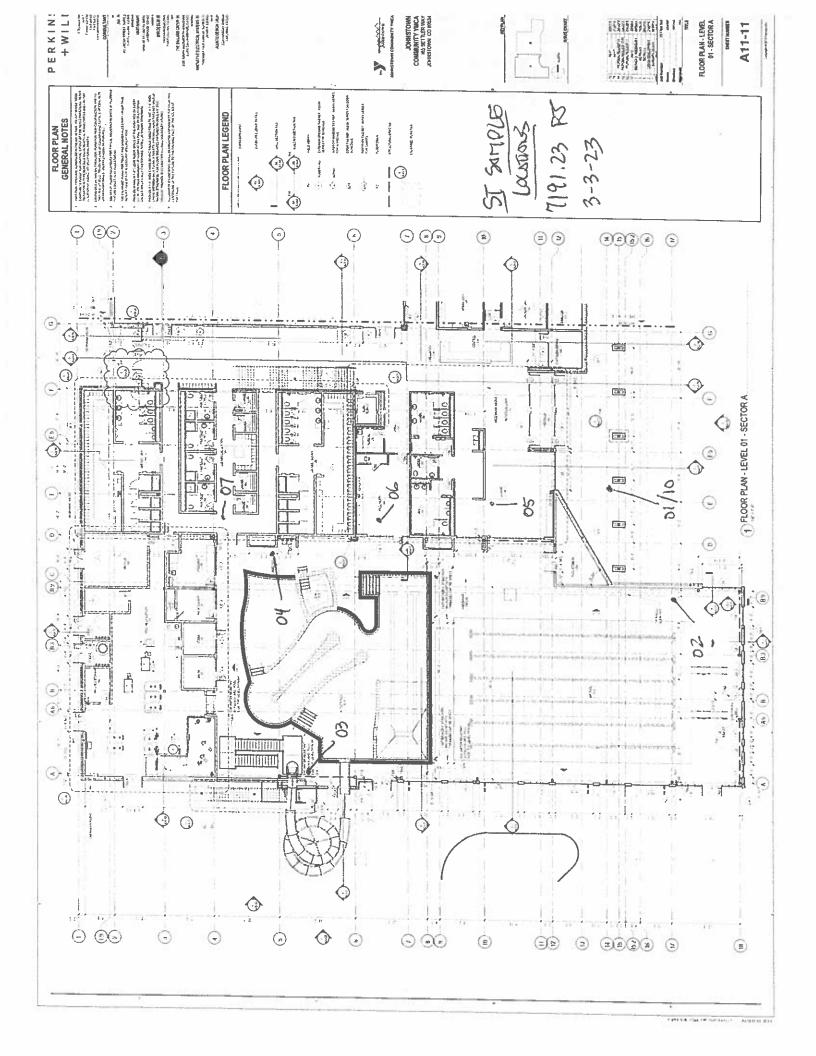
Date: Project #: 7191.23 Inspector: P. JAECKEL Sample Prefix: 030323RT-

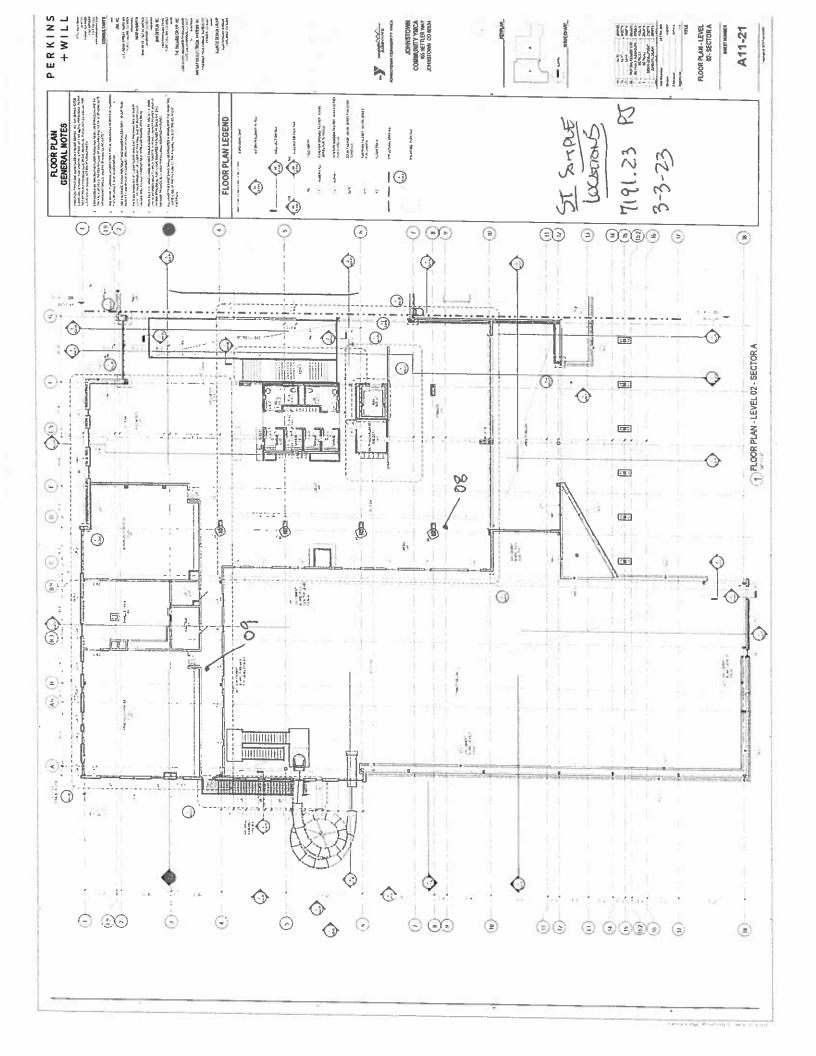
	Trme	Sample Location	Pre-Cal	Post-Cal	Start/Stop	Volume	Result
Sample #	Type		15.0	15,0	0800 5	75	
01	ST	DISIDE, 15' SE OF ENIMY	15.0	15.0	0808 08135	75	-
02	1	INSUDO, POOL ARUS, NE	15.0 15.0 15.0	15.0	08175	75	
03		GTR. SOUTH	15.0	15.0	0825	75	
04		1 NW	15.0		08305		
05		ABTER., ENTRY LOOBY	15,0	15,0	0836	75	
06		ON SITE OFFICE	15,0	15.0	0844	75	
		PANILY WARCE	15.0 15.0	15.0	0855 5	75	
07		SECOND FR, BY WEIGHT PM, ENSO	15.0 15.0	15.0	09065	75	
08		SECOND FR. COPRIDOR GIR.	15.0 15.0	15.0	0913 5	75	
09		OUTSIDE, IS' SE OF ENTING	15,0	15.0	0921	75	
10	<u> </u>	busice, 15 se a contag					
	<u> </u>						
		do coultra					
		SOME BOOKED DOORS ARE PARKLY OPEN					



Century Environmental Hygiene, LLC 3201 E. Mulberry Street, Unit C, Fort Collins, CO (970) 266-8000 Office (970) 266-0022 Fax

Inspector Signature:





Bulk Sampling Field Form

Date:	3-6-23			
Project #:	7191.23	Project Name:	-	very (YMCA)
Location:	JOHNSTOWN	, (0	IH:	P. JAEUGL (A.G.

: Sample Prefix Type Sample Location/Activity/Name Result 030623PJ-TO1 POOL AREA EAST WALL, NORTH CORNER, E CONE PASE TAP5 SOUTH WOLL, EAST SIDE, e CONTE BUSE T02 T03 TOY

Notes:		_		
Sampled by: PAUL JAECKEL S	signature:			

APPENDIX D



AEMTEK, Inc.

466 Kato Terrace, Fremont, CA 94539 Tel. +1 (510) 979-1979, Fax. +1 (510) 667-1980

Inc. The report includes this cover and the data sheet(s).

E-mail: labreports@aemtek.com

www.aemtek.com

Purpose: The purpose of this report is to present laboratory results obtained by analyzing the samples submitted to Aemtek,

Limitation: The test results presented in this report are only related to the samples supplied by the client and analyzed by Aemtek. This report shall not be reproduced, except in full, without written authorization of Aemtek. Aemtek shall have no liability to anyone with respect to any interpretations or uses of the laboratory report, decisions made or actions taken as a result of or based on the data reported. In no event shall Aemtek's liability with respect to the reported test results exceed the amount paid for the project by the client to Aemtek.

Sample Information: Sample identification, location, volume, weight, and area are from the client's Chain of custody. Unless specifically noted, the samples were received in acceptable condition.

Significant Figures: Because of the nature of the biological samples and analytical methods, the number of significant figures should generally be one of two, although the actual calculation results are reported.

Sample Custody: Samples accepted by Aemtek shall remain the property of client while in the custody of Aemtek. Aemtek shall retain preparation of samples for 7 days following the date of issuing this report. After the retention period, the samples shall be sterilized and discarded, unless otherwise requested by the client

Confidentiality: Aemtek shall not provide analytical results or client's project information to any party other than the client, unless requested by the client, in writing, or by law.

About Aemtek: Aemtek, Inc. is an environmental microbiology laboratory providing reliable, fast, and expert laboratory services for the detection, identification, and analysis of microorganisms. We are committed to excellence in quality, service, and technology. The laboratory is accredited by the American Industrial Hygiene Association (AIHA) in the Environmental Microbiology Laboratory Accreditation Program (EMLAP Lab #167620).

Laboratory Analysis Report

 ${\bf Submitted\ to:}\quad {\bf Century\ Environmental\ Hygiene\ LLC}$

3201 East Mulberry Street, Unit C

Fort Collins, CO 80524 Attn: James Dennison

Project ID: 7191.23

Project Location: 165 Settler's Way, Johnstown, CO

Client Sampling Date: 3/3/2023

Sample Received on: 3/6/2023

Analysis Started on: 3/6/2023

Data Reported on: 3/8/2023

Approved By:

Thomas Giang Laboratory Manager



AEMTEK Laboratory Analysis Report, Page 1 of 3



AEMTEK, Inc.

466 Kato Terrace, Fremont, CA 94539 Tel. +1 (510) 979-1979, Fax. +1 (510) 667-1980

E-mail: labreports@aemtek.com

www.aemtek.com

Laboratory Analysis Report

Data Sheet

AEMTEK No. 2303293

Submitted to:

Project ID: 7191.23

Project Location: 165 Settler's Way, Johnstown, CO

Century Environmental Hygiene LLC

Fort Collins, CO 80524

Analysis Performed: Fungal Direct Examination-Air

AEMTEK Sample ID		2303293-1			2303293-2		2303293-3		2303293-4			2303293-5				
Client Sample ID		030323PJ-01			030323PJ-02		030323PJ-03			030323PJ-04			030323PJ-05			
Sample Location		Outside			Inside		Inside			Inside			Inside			
Air Volume (L)		75			75			75			75			75		
Fungal Identification	Count	Spores/m³	%	Count	Spores/m³	%	Count	Spores/m³	%	Count	Spores/m³	%	Count	Spores/m³	%	
Alternaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ascospores	1	13	1	-	-	-	-	-	-	-	-	-	-	-	-	
Aspergillus/Penicillium-like	38	490	41	24	310	80	17	220	57	1	13	100	19	250	83	
Basidiospores	6	78	7	-	-	-	-	-	-	-	-	-	1	13	4	
Bipolaris/Dreschlera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Botrytis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cercospora	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chaetomium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cladosporium	23	300	25	4	52	13	5	65	17	-	-	-	1	13	4	
Curvularia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Myxomycetes/Periconia/Rust/Smut	3	39	3	-	-	-	3	39	10	-	-	-	-	-	-	
Nigrospora	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oidium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Petriella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pithomyces	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stachybotrys	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stemphylium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Torula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ulocladium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other hyaline spores	11	140	12	2	26	7	2	26	7	-	-	-	1	13	4	
Other colored spores	4	52	4	-	-	-	-	-	-	-	-	-	-	-	-	
Hyphal fragments	6	78	7	-	-	-	3	39	10	-	-	-	1	13	4	
Total	92	1,200	100	30	390	100	30	390	100	1	13	100	23	300	100	
Pollen/m³		13			-			-			=			=		
Insect or dust mite parts/m³		-			-			-			-			-		
Dectection Limit (spores/m³)		13			13			13		13			13			
General Density		51-75%			1-25%			1-25%		1-25%			1-25%			
% Trace Analyzed		100%			100%			100%			100%			100%		

*Note: Total counts have been rounded up

- = Non-detect

Method ID: AEMTEK SOP AF101 (ASTM D7391-17)

Direct microsopy detection limit: One spore or one hyphal fragment per sample.

Performed by: Thomas Giang



E-mail: labreports@aemtek.com

AEMTEK, Inc.

466 Kato Terrace, Fremont, CA 94539

Tel. +1 (510) 979-1979, Fax. +1 (510) 667-1980

www.aemtek.com

Laboratory Analysis Report

Data Sheet

AEMTEK No. 2303293

Submitted to:

Project ID: 7191.23

Project Location: 165 Settler's Way, Johnstown, CO

Century Environmental Hygiene LLC

Fort Collins, CO 80524

Analysis Performed: Fungal Direct Examination-Air

AEMTEK Sample ID		2303293-6		2303293-7		2303293-8		2303293-9			2303293-10				
Client Sample ID		030323PJ-06			030323PJ-07		030323PJ-08			030323PJ-09			(030323PJ-10	
Sample Location		Inside			Inside		Inside			Inside			Outside		
Air Volume (L)		75		75			75			75			75		
Fungal Identification	Count	Spores/m³	%	Count	Spores/m³	%	Count	Spores/m³	%	Count	Spores/m³	%	Count	Spores/m³	%
Alternaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium-like	18	230	43	20	260	80	12	160	57	9	120	45	59	770	48
Basidiospores	4	52	10	-	-	-	-	-	-	1	13	5	3	39	2
Bipolaris/Dreschlera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cladosporium	11	140	26	2	26	8	5	65	24	6	78	30	41	530	33
Curvularia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myxomycetes/Periconia/Rust/Smut	4	52	10	1	13	4	-	-	-	-	-	-	3	39	2
Nigrospora	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petriella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stemphylium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other hyaline spores	4	52	10	1	13	4	4	52	19	4	52	20	9	120	7
Other colored spores	1	13	2	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal fragments	-	-	-	1	13	4	-	-	-	-	-	-	8	100	7
Total	42	550	100	25	330	100	21	270	100	20	260	100	120	1,600	100
Pollen/m³		-			-			-			-			26	
Insect or dust mite parts/m³		-			-			-			-				
Dectection Limit (spores/m³)		13			13			13		13				13	
General Density		1-25%			1-25%			1-25%		1-25%				76-100%	
% Trace Analyzed		100%			100%			100%			100%			100%	

*Note: Total counts have been rounded up

- = Non-detect

Method ID: AEMTEK SOP AF101 (ASTM D7391-17)

Direct microsopy detection limit: One spore or one hyphal fragment per sample.

Performed by: Thomas Giang



Aemtek No.:

2303293

Phone: 510-979-1979 Fax: 510-668-1980

Sample Type Codes B - Bulk A - Air

0		466 Kato Terrace	, Fremont, CA	94539	Fax	510-668-1980	C - Culture	D - Dust
	Contact Informati	on		Project Information			S - Swab	T - Tape
Company:	Century Environmental Hygiene LLC	Contact: James D	ennison	Project:	7191.23		W - Water	Other:
Address: 32	201 East Mulberry Street, Unit C, Fort Collins, CC	D. 80524	4		Site: 165 SEMBERS LIM		Analysis Codes	
Phone: (970)	Phone: (970) 266-8000 E-mail: jim@centuryenvironmental.com, results@centuryenvironmental.com			Jahrston, co			FDE - Fungi Direct Exam: identify fungi to genus or spore type. Rus	
Email for reporting: jim@centuryenvironmental.com, results@cer					Campling		sassiana susilabla	
Sample ID	Sampling Location	Weight (g), Volume (L) or	Analysis Requested	Sample Type	Turn Around Time	Notes / List of Targe	t of Target FCG - Fungi Culturable, ide Genus only. FCS - Fungi Culturable, co	turable, commo
	, ,	Area (sq. in.)	Please use th	ne codes on the right or specify		FOR Species	Species identification without subculturing.	
32385-01	atent	75 L.	FDE	A	STO		EBC - Environmental Bacteria C and group/genus ID SSC - Sewage Screen for total coliforms, E coli, and enterococ Please specify qualitative or quantitative.	
1 02	insite,		1					
03							-	ionella
04			100				LG-QPCR - Legion quantification.	onella Detection
66							LG-C - Legionella	a Culturable
07							Fungal Q	PCR Panels:
08							ERMI - 36 specie	S.
	+						Indoor Mold Pan	el - 46 species
03	OUSIE	4	-	b	7		Pathogenic Aspe species	ergillus Panel -
							Aspen - Chaeto -	Stachy Panel
			20				Turn Arc	ound Time
Relin	Relinquished by Date & Time Received b			Date & Time 3 6 23 9:10		Notes:	STD - standard/default, 7 days for culturable, 2-5 days for bacterial analysis. Rush - not available for culturables	
2-3-23 PH		pronto	Shallen		2 7.10	-		
all 510-979-19	1 510-979-1979 or email lab@aemtek com with your specific analytical needs and concerns. To ensure analytical integrity, we reserve the right to reject inappropriately							
epared/shipped samples. All analytical services subject to our standard terms and conditions. Swab, culture plates and water samples should be shipped overnight and sold. If no turn around time indicated, standard report time applies. Samples received after 5:00 pm on business days or in the weekend will be logged in the next business day.							FDE Only	TAT Options
or "same day"	service, samples must be received before 10 am; for	"same day", 12:00 pm; for "3	hours". Our busin	ess hours are 8:0	00 am - 5:00 pm, P	ST. Monday - Friday.	STD - 2 days	3H - 3 hours
ontact the lab	to arrange weekend or holiday analysis. For sampling	and snipping information, ple	ease visit www.aer	mek.com.			SD - Same Day	1D - 1 day



AEMTEK, Inc.

466 Kato Terrace, Fremont, CA 94539 Tel. +1 (510) 979-1979, Fax. +1 (510) 667-1980

E-mail: labreports@aemtek.com

www.aemtek.com

Purpose: The purpose of this report is to present laboratory results obtained by analyzing the samples submitted to Aemtek, Inc. The report includes this cover and the data sheet(s).

Limitation: The test results presented in this report are only related to the samples supplied by the client and analyzed by Aemtek. This report shall not be reproduced, except in full, without written authorization of Aemtek. Aemtek shall have no liability to anyone with respect to any interpretations or uses of the laboratory report, decisions made or actions taken as a result of or based on the data reported. In no event shall Aemtek's liability with respect to the reported test results exceed the amount paid for the project by the client to Aemtek.

Sample Information: Sample identification, location, volume, weight, and area are from the client's Chain of custody. Unless specifically noted, the samples were received in acceptable condition.

Significant Figures: Because of the nature of the biological samples and analytical methods, the number of significant figures should generally be one of two, although the actual calculation results are reported.

Sample Custody: Samples accepted by Aemtek shall remain the property of client while in the custody of Aemtek. Aemtek shall retain preparation of samples for 7 days following the date of issuing this report. After the retention period, the samples shall be sterilized and discarded, unless otherwise requested by the client

Confidentiality: Aemtek shall not provide analytical results or client's project information to any party other than the client, unless requested by the client, in writing, or by law.

About Aemtek: Aemtek, Inc. is an environmental microbiology laboratory providing reliable, fast, and expert laboratory services for the detection, identification, and analysis of microorganisms. We are committed to excellence in quality, service, and technology. The laboratory is accredited by the American Industrial Hygiene Association (AIHA) in the Environmental Microbiology Laboratory Accreditation Program (EMLAP Lab #167620).

Laboratory Analysis Report

Submitted to: Century Environmental Hygiene LLC

3201 East Mulberry Street, Unit C

Fort Collins, CO 80524

Attn: James Dennison

Project ID: 7191.23

Project Location: 165 Settler's Way (YMCA), Johnstown, CO

Client Sampling Date: 3/6/2023

Sample Received on: 3/14/2023

Analysis Started on: 3/14/2023

Data Reported on: 3/16/2023

Approved By:

Thomas Giang Laboratory Manager



AEMTEK Laboratory Analysis Report, Page 1 of 2



Laboratory Analysis Report

AEMTEK, Inc.

466 Kato Terrace, Fremont, CA 94539 Tel. +1 (510) 979-1979, Fax. +1 (510) 667-1980

E-mail: labreports@aemtek.com

www.aemtek.com

Data Sheet

<u>AEMTEK No. 2303894</u>

Submitted to:

Project ID: 7191.23

Project Location: 165 Settler's Way (YMCA), Johnstown, CO

Century Environmental Hygiene LLC

Fort Collins, CO 80524

Analysis Performed: Fungal Direct Examination-BDST

AEMTEK Sample ID	2303894-1	2303894-2	2303894-3	2303894-4
Client Sample ID	030623PJ-T01	030623PJ-T02	030623PJ-T03	030623PJ-T04
Sample Location	Pool Area	Pool Area	Pool Area	Pool Area
Sample Type	TAPELIFT	TAPELIFT	TAPELIFT	TAPELIFT
Fungal Identification	Characterization	Characterization	Characterization	Characterization
Acremonium	-	-	-	-
Alternaria	-	-	-	-
Ascospores	-	-	TNTC	=
Aspergillus	-	-	-	-
Aspergillus/Penicillium-like	-	-	-	Common
Aureobasidium	-	-	-	-
Basidiospores	-	-	-	-
Bipolaris Dreschlera	-	-	-	-
Botrytis	-	-	-	-
Ceratocystis / Ophiostoma	-	-	-	-
Chaetomium	-	-	Many	Colony
Cladosporium	-	-	-	-
Curvularia	-	-	-	-
Epicoccum	-	-	-	-
Mucor	-	-	-	-
Myxomycetes/Periconia/Rust/Smut	-	-	-	-
Nigrospora	-	-	-	-
Penicillium	-	-	-	-
Petriella	-	-	-	-
Pithomyces	-	-	-	-
Stachybotrys	Colony	Colony	-	-
Stemphylium	-	-	-	-
Ulocladium	-	-	-	-
Other hyaline spores	-	-	-	-
Other colored spores	-	-	Some	-
Hyphal fragments	TNTC	TNTC	TNTC	TNTC

Method ID: SOP AF102

Direct microsopy detection limit: One spore or one hyphal fragment per sample.

Data Interpretation Guideline:

Rare: 1 to 10 spores observed per sample preparation TNTC: Too numerous to count, but no fruiting structure observed

Some: 11 to 30 spores observed per sample preparation Colony: Abundant or numerous spores and associated fruiting structures observed

Common: 31-60 spores observed per sample preparation *: Spores associated with hyphae and/or fruiting structures

Many: 61 to 100 spores observed per sample preparation -: Non-detect

Abundant: More than 100 spores observed per sample preparation None Detected: No spore or hyphal fragment observed per sample preparation

Performed by: Lani Grady, Thomas Giang

AEMTEK Laboratory Analysis Report, Data Sheet 2 of 2



CHAIN OF CUSTODY

2303894

Aemtek No.: Sample Type Codes Environmental Microbiology Testing A - Air B - Bulk Phone: 510-979-1979 Fax: 510-668-1980 466 Kato Terrace, Fremont, CA 94539 C - Culture D - Dust Contact Information **Project Information** S - Swab T - Tape Company: Century Environmental Hygiene LLC Contact: James Dennison W - Water Other: Site: 165 SETTLER'S WAY Address: 3201 East Mulberry Street, Unit C, Fort Collins, CO, 80524 **Analysis Codes** Phone: (970) 266-8000 E-mail: jim@centuryenvironmental.com, results@centuryenvironmental.com SOHNSTOWN, CO FDE - Fungi Direct Exam: identifying fungi to genus or spore type. Rush Sampled by P, JAECKEL Sampling 3-6-73 Email for reporting: jim@centuryenvironmental.com, results@centuryenvironmental.com services available. FCG - Fungi Culturable, identified to Analysis Sample Turn Around Weight (g), Genus only. Notes / List of Target Requested Type Time Sample ID Sampling Location Volume (L) or FCS - Fungi Culturable, common **PCR Species** Species identification without Area (sq. in.) Please use the codes on the right or specify subculturing 030613PI-TOI POOL AREA EBC - Environmental Bacteria Count FDE SQ W. STD and group/genus ID SSC - Sewage Screen for total TOZ coliforms, E. coli, and enterococci. Please specify qualitative or TO3 quantitative. 104 Legionella LG-QPCR - Legionella Detection and quantification. LG-C - Legionella Culturable Fungal QPCR Panels: ERMI - 36 species. Indoor Mold Panel - 46 species Pathogenic Aspergillus Panel - 10 species Aspen - Chaeto - Stachy Panel **Turn Around Time** Relinguished by Date & Time Received by STD - standard/default, 7 days for Date & Time Notes: culturable, 2-5 days for bacterial 3-13-73 PH 1:30 analysis. Rush - not available for culturables WH - Weekend or holiday service. Call 510-979-1979 or email lab@aemtek.com with your specific analytical needs and concerns. To ensure analytical integrity, we reserve the right to reject inappropriately Prior notice required. prepared/shipped samples. All analytical services subject to our standard terms and conditions. Swab, culture plates and water samples should be shipped overnight and FDE Only TAT Options cold. If no turn around time indicated, standard report time applies. Samples received after 5:00 pm on business days or in the weekend will be logged in the next business day. For "same day" service, samples must be received before 10 am; for "same day", 12:00 pm; for "3 hours". Our business hours are 8:00 am - 5:00 pm, PST, Monday - Friday. STD - 2 days 3H - 3 hours Contact the lab to arrange weekend or holiday analysis. For sampling and shipping information, please visit www.aemtek.com. SD - Same Day 1D - 1 day