

State of Rhode Island Department of Administration / Division of Purchases One Capitol Hill, Providence, Rhode Island 02908-5855 Tel: (401) 574-8100 Fax: (401) 574-8387

### ADDENDUM # 1 11/2/2021

Solicitation #7658826

Title: Bathroom Renovations CCRI Knight Campus

Submission Deadline: November 17, 2021 @ 10:00 AM

Per the issuance of <u>ADDENDUM #1</u> the following are noted:

Addendum #1 prepared by Aharonian & Associates Architects. (See Attached)

No further questions will be entertained.

Interested Parties should monitor this website on a regular basis, for any additional information that may be posted.

Gary P. Mosca Chief Buyer



AHARONIAN & ASSOCIATES, INC. Architects

November 1, 2021

- TO: All Bidders
- RE: CCRI Knight Campus: Bathroom Renovations 400 East Ave Warwick, RI 02886

### ADDENDUM #01

The Contract Documents for the above referenced Project are hereby modified per the following. All other Drawing items not addressed herein shall remain in full effect. The Bidder shall acknowledge the receipt of this Addendum on the Bid Form.

### **NOTES/CLARIFICATION**

- 1. Due to the COVID-19 Pandemic, all bid award dates and construction dates are to be determined.
- 2. Abatement plan filing with state and all costs associated shall be responsibility of the GC.
- 3. Abatement air Sampling and final clearance air sampling costs and scheduling shall be responsibility of the GC.
- 4. Abatement required due to the project scope and as outlined in the Abatement Plan shall be the responsibility of the GC and included in the base contract.
- 5. Pre-bid walk thru sign in sheet has been attached for reference.
- 6. It is the intent that the GC shall procure all of the materials at once and store them off site until they are required for installation. The College (owner) will pay for up to 75% of the stored material with proper insurance for covered materials. At the time of the product submittal & procurement the GC shall have the option to propose alternate products for approval by the A&E and Owner if the specified product is not available. Alternates shall be equal to the specified product; lesser quality will not be acceptable.

### ATTACHMENTS

- A. Pre-bid walk thru sign in sheet dated October 25, 2021
- B. Report- Limited pre-renovation inspection for materials suspected of containing asbestos. Restroom upgrade prospect.
- C. Asbestos abatement plan dated May 21, 2021
- D. Asbestos abatement plan transmittal letter dated May 21, 2021.

υ
æ
¥
~
<u>ц</u>
N

## \*\* VENDOR: PLEASE SUBMIT A BUSINESS CARD IF AVAILABLE\*\*

### 2014-21 Non-Mandatory Pre-Bid Conference Sign in Sheet

Last Revised on: 6/5/2017

	ີ່ ຫ	4	<b>1</b> 3	12	1	10	G	œ	7	თ	UT .	4	ω	2	-	
										AHNE	AT	The	Dav <del>id Gnow</del>	Mark Libutti	State Purch	9
										2 DEL NO	-GC				asing	OMPANY
											RA	P				NAME
											р " (	a				
										Davi	0	r r	0.02 <b>2</b>	CORI	Gary P. Mc	
										e H	lev	AL.			ŚCĄ	CON
										on Tan	2 A	r )				MPANY R
											1 to					EPRESE
											BER					VTATIVE
	· . ·										0		1			
r									\ \			f			,	
										Į.		ł		Ma	Vau	
									,					e he	Prila	SIG
										$\left  \right\rangle$				13		VATURE
										$\bigcirc$	M.			e l	3	
											M			R		
										310 5m	5		400 <b>5asl A</b> :	400 East A	One Capito	
										1 4000	N		<u>ve . Warwic</u>	ve., Warwic	I Hill, Provid	
											Surgi		r P	<u>*</u> 관	dence, RI 0	ADDRES
										F T	fro a				8062	8
			-							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ite f					
			1	 						) OHen	Þ∩ ♦	-			gary.mo	
										1 C	H-15				sca@purch	CONT
										Aucre	200				)asing.ri.go	ACT E-M
										rh. Con	6 X 9					AL
										yei	) (				401-5	
										232	1001-2	5			74-8124	ONTACT
										ILDI	65					PHONE

# "NON-MANDATORY" PRE-BID CONFERENCE SIGN IN SHEET

BID NUMBER: 7658826
BID TITLE: Bathroom Renovations CCRI Knight Campus

PRE-BID DATE AND TIME: October 25, 2021 @ 9:00 AM





March 12, 2021

Mr. David Horton, RA Aharonian & Associates, Inc. 310 George Washington Hwy, Suite 100 Smithfield, RI 02917 P: 401.232.5010; C: 508.958.8850 E: DHorton@arch-eng.com

### RE: Report – Limited Pre-Renovation Inspection for Materials Suspected of Containing Asbestos Restrooms Upgrade Project - Site: Main Building, CCRI Knight Campus, Warwick, RI 02886 RI Analytical Laboratories, Inc. Project #2020107

RI Analytical Laboratories, Inc. (RI Analytical), Exposure Assessment and Management (EAM) Division would like to thank you for the opportunity to provide Aharonian & Associates, Inc. (the "Client") with environmental consulting services.

### BACKGROUND

RI Analytical conducted a limited pre-renovation asbestos inspection and sampling of visible, accessible materials suspected of containing asbestos ("Suspect Materials") in Client designated rooms of the following areas at the above-referenced Site on February 10-11, 2021.

- Main building bathrooms
- Field house locker rooms
- Field house bathrooms

The purpose of this limited asbestos inspection and sampling was to identify whether or not specific, Suspect Materials at the Site indicated by Client that are likely to be impacted by renovation activities contain asbestos. The inspection and sampling was completed by **EPA**<sup>1</sup>-accredited Asbestos Inspectors, Ms. Olivia Smaracko (**RIDOH**<sup>2</sup> #AI01102) and Mr. Danny Mullen (RIDOH #AI00963).

The inspection and sampling was limited in scope to the materials designated by Client, and was not intended to be a comprehensive asbestos inspection of all types and quantities of Suspect Materials within the building.

A property owner must ensure that a comprehensive inspection for Suspect Materials is performed prior to the possible disturbance of such materials by renovation or demolition activities. This is a requirement of EPA, NESHAP<sup>3</sup>, OSHA<sup>4</sup>, and RIDOH asbestos regulations.

### **METHODOLOGY**

Suspect Materials were classified into Homogeneous Material (HM) groups<sup>5</sup> to be sampled and analyzed for asbestos content by PLM<sup>6</sup>. In addition, NOB<sup>7</sup> materials were analyzed using PLM with gravimetric preparation. Samples were analyzed by RI Analytical, a RIDOH-certified Asbestos Analytical Laboratory (#PLM00142).

<sup>&</sup>lt;sup>1</sup> EPA = United State Environmental Protection Agency

<sup>&</sup>lt;sup>2</sup> **RIDOH** = Rhode Island Department of Health

<sup>&</sup>lt;sup>3</sup> NESHAP = National Emission Standards for Hazardous Air Pollutants, 40 CFR 61, Subpart M.

<sup>&</sup>lt;sup>4</sup> OSHA = US Dept. of Labor, Occupational Health and Safety Administration, 29 CFR 1926.1101 (Asbestos in Construction Standard).



### **OBSERVATIONS AND RESULTS**

Inspections were completed for visible accessible Suspect Materials in each area on the drawings indicated for renovation. In addition inspections were completed above suspended acoustical tile ceilings and inside wall and ceiling hatches where available for hidden Suspect Materials such as pipe and pipe fitting insulation. The pipe and pipe fitting insulation materials that could be observed and touched were found to be fiberglass and not sampled as is allowed under the asbestos regulations. However, not all pipe and pipe fitting insulation is could be inspected and therefore a contingency allowance for hidden ACM pipe and pipe fitting insulation is included.

Similarly, holes were made in representative areas of CFT (Ceramic Floor Tile) to evaluate the presence of vapor barrier tar paper that may contain asbestos. None was observed at the locations inspected and therefore a contingency allowance for hidden ACM vapor barrier under concrete in bathrooms is included.

The EPA, OSHA<sup>8</sup>, and the RIDOH, define a material that contains greater than one percent (>1%) asbestos utilizing PLM, as an ACM<sup>9</sup>. Material found to contain  $\leq$ 1% asbestos by PLM laboratory analysis are defined as ACWM<sup>10</sup> and must be handled appropriately. Materials that are identified as "Not Detected" are specified as not containing asbestos.

The sample results are summarized in **Table 1** below. Materials determined to be ACM are highlighted in **yellow** and to be ACWM and highlighted in green.

	Table 1 - Work Order #2102-02463           Suspect Materials - Laboratory Analytical Data Summary								
Line #	Sample #	Material	Location Sampled	Asbestos Result					
1	01A	Grout (Gray) between 2"x2" CFT (Cream)	Restroom 0280	Not Detected					
2	02A	Glue Paper (Black) under 01A on 03A	Restroom 0280	Not Detected					
3	03A	Glue (Yellow) under 02A on concrete	Restroom 0280	Not Detected					
4	04A	Caulk (Gray) between metal door frame & CMU block wall	Restroom 0280	Not Detected					
5	05A	Plaster Skim Coat (White) at ceiling	Restroom 0082	Not Detected					
6	06A	Plaster Base Coat (Gray) under 05A on wire lathe	Restroom 0082	Not Detected					
7	07A	2'x2' SAT (White) fissured	Restroom 0082	Not Detected					
8	07B	2'x2' SAT (White) fissured	Restroom 0082	Not Detected					
9	01B	Grout (Gray) between 2"x2" CFT (cream)	Restroom 0084	Not Detected					
10	08A	Setbed (Lt Gray) under 01B on concrete	Restroom 0084	Not Detected					
11	09A	Caulk (White) between ceramic sink & CMU block wall	Restroom 0042	Not Detected					
12	05B	Plaster Skim Coat (White) at ceiling	Restroom 1008	Not Detected					
13	06B	Plaster Base Coat (Gray) under 05B on wire lathe	Restroom 1008	Not Detected					
14	02B	Glue Paper (Black) under HM 01 on HM 08	Restroom 1008	Not Detected					
15	08B	Setbed (Lt Gray) under 02B on concrete	Restroom 1008	Not Detected					
16	080	Setbed (Lt Gray) under HM 01 on concrete	Restroom 1102	Not Detected					

<sup>5</sup> Homogeneous Material groups = Groups of materials similar in color, texture, and typically application

<sup>6</sup> PLM = Polarized Light Microscopy, EPA/600/R-93/116 (1993) "Method for the Determination of Asbestos in Bulk Building Materials"

<sup>7</sup> **NOB** = Non-Friable, Organically-Bound

<sup>9</sup> ACM = Asbestos-Containing Material

<sup>&</sup>lt;sup>8</sup> OSHA = United States Department of Labor, Occupational Safety and Health Administration

<sup>&</sup>lt;sup>10</sup> ACWM = Asbestos-Containing Waste Materials



		Table 1 - Work Order #2102-02	2463 Data Summanu	
Line	Sampla	Suspect iviaterials - Laboratory Analytical	Data Summary	Ashestas
tine #	sample #	Material	Location Sampled	Result
17	09B	Caulk (White) between ceramic sink & CMU block wall	Restroom 1144	Not Detected
18	10A	Caulk (White) between metal door frame & CMU block wall	Restroom 1146	Not Detected
19	11A	4" VCB (Tan) on 12A on GB	Restroom/Storage 1160	Not Detected
20	12A	Glue (Beige) under 11A on GB wall	Restroom/Storage 1160	Not Detected
21	08H	Setbed (Lt Gray) under HM 01 on concrete	Restroom/Storage 1160	Not Detected
22	16A	Joint Compound (White) on GB under 08H	Restroom/Storage 1160	Not Detected
23	16B	Joint Compound (White) on GB at corner near toilet	Restroom/Storage 1160	Not Detected
24	16C	Joint Compound (White) on GB above SAT	Restroom/Storage 1160	Not Detected
25	17A	2'x2' SAT (White) rough texture	Restroom/Storage 1160	Not Detected
26	17B	2'x2' SAT (White) rough texture	Restroom/Storage 1160	Not Detected
27	18A	Gypsum Wallboard above SAT	Restroom/Storage 1160	Not Detected
28	04B	Caulk (Gray) between metal door frame & CMU block wall	Restroom 2134	Not Detected
29	05C	Plaster Skim Coat (White) at ceiling	Restroom 2133	Not Detected
30	06C	Plaster Base Coat (Gray) under 05C on wire lathe	Restroom 2133	Not Detected
31	08D	Setbed (Lt Gray) under HM 01 on concrete	Restroom 2105	Not Detected
32	04C	Caulk (Gray) between metal door frame & CMU block wall	Restroom 2143	Not Detected
33	08E	Setbed (Lt Gray) under HM 01 on concrete	Restroom 3008	Not Detected
34	05D	Plaster Skim Coat (White) at ceiling	Restroom 3302	Not Detected
35	06D	Plaster Base Coat (Gray) under 05D on wire lathe	Restroom 3302	Not Detected
36	05E	Plaster Skim Coat (White) at ceiling	Restroom 3125	Not Detected
37	06E	Plaster Base Coat (Gray) under 05E on wire lathe	Restroom 3125	Not Detected
38	08F	Setbed (Lt Gray) under HM 01 on concrete	Restroom 3109	Not Detected
39	21A	Joint Compound (White) on GB soffit corner	Restroom 3103	Not Detected
40	22A	Gypsum Board ceiling soffit	Restroom 3103	Not Detected
41	19A	2'x2' SAT (White) pin dot pattern	Restroom 3103	Not Detected
42	19B	2'x2' SAT (White) pin dot pattern	Restroom 3101	Not Detected
43	21B	Joint Compound (White) on GB soffit corner	Restroom 3101	Not Detected
44	20A	Glue (Yellow) under laminate countertop (red) on wood	Restroom 3103	Not Detected
45	20B	Glue (Yellow) under laminate countertop (red) on wood	Restroom 3101	Not Detected
46	21C	Joint Compound (White) on GB soffit corner	Restroom 4088	Not Detected
47	22B	Gypsum Board ceiling soffit	Restroom 4088	Not Detected
48	23A	Grout (Gray) between 2"x2" CFT (tan w/ dots)	Restroom 4089	Not Detected
49	24A	Glue (Yellow) under 23A	Restroom 4089	Not Detected
50	25A	Setbed (Gray) under 24A on concrete	Restroom 4089	Not Detected
51	23B	Grout (Gray) between 2"x2" CFT (tan w/ dots)	Restroom 4088	Not Detected
52	24B	Glue (Yellow) under 23B	Restroom 4088	Not Detected
53	25B	Setbed (Gray) under 24B on concrete	Restroom 4088	Not Detected
54	05F	Plaster Skim Coat (White) at ceiling	Restroom 06222	Not Detected
55	06F	Plaster Base Coat (Gray) under 05F on wire lathe	Restroom 06222	Not Detected
56	08G	Setbed (Lt Gray) under HM 01 on concrete	Restroom 6128	Not Detected
57	10B	Caulk (White) between metal door frame & CMU block wall	Restroom 6078	Not Detected
58	25C	Setbed (Gray) under HM 24 on concrete	Restroom 6076	Not Detected
59	05G	Plaster Skim Coat (White) at ceiling	Restroom 4580	Not Detected
60	06G	Plaster Base Coat (Gray) under 05G on wire lathe	Restroom 4580	Not Detected



		Table 1 - Work Order #2102-02	2463	
		Suspect Materials - Laboratory Analytical	Data Summary	1
Line #	Sample #	Material	Location Sampled	Asbestos Result
61	21D	Joint Compound (White) on GB Wall	Restroom 2544	Not Detected
62	26A	Grout (White) between 4"x4" CWT (White)	Restroom 2544	Not Detected
63	27A	Setbed (White) under HM 26 on GB Wall	Restroom 2544	Not Detected
64	26B	Grout (White) between 4"x4" CWT (White)	Restroom 1546	Not Detected
65	27B	Setbed (White) under HM 26 on GB Wall	Restroom 1546	Not Detected
66	11B	4" VCB (Tan) on 12B on GB	Restroom/Storage 1160	Not Detected
67	12B	Glue (Beige) under 11B on GB wall	Restroom/Storage 1160	Not Detected
68	03B	Glue (Yellow) under HM 01 & HM 02 on concrete	Restroom 0280	Not Detected
69	28A	Firestop (Red) at pipe penetration in CMU block wall	Restroom 0556	Not Detected
70	28B	Firestop (Red) at pipe penetration in CMU block wall	Restroom 0564	Not Detected
71	29A	Paper (Tan) in metal toilet partition	FH, 1st Floor, Men's Locker Rm	Not Detected
72	29B	Paper (Tan) in metal toilet partition	FH, 1st Floor, Men's Locker Rm	Not Detected
73	30A	Fireproofing (White) Spray-on on I-beams, above toilets	FH, 1st Floor, Men's Locker Rm	Not Detected
74	31A	Duct Seam Tape (Tan) painted white	FH, 1st Floor, Men's Locker Rm	Not Detected
75	32A	4" VCB (Brown) on HM 33 on concrete, under lockers	FH, 1st Floor, Men's Locker Rm	Not Detected
76	32B	4" VCB (Brown) on HM 33 on CMU block wall, near showers	FH, 1st Floor, Men's Locker Rm	Not Detected
77	33A	Glue (Brown) under 32A on concrete	FH, 1st Floor, Men's Locker Rm	Not Detected
78	33B	Glue (Brown) under 32B on CMU block wall	FH, 1st Floor, Men's Locker Rm	Not Detected
79	34A	Grout (White) between 1"x1" CFT (Off-White)	FH, 1st Floor, Men's Locker Rm	Not Detected
80	35A	Setbed (Gray) under 34A on concrete	FH, 1st Floor, Men's Locker Rm	Not Detected
81	04D	Caulk (Gray) between metal door frame & CMU block wall	FH, 1st Floor, Men's Locker Rm.	1-5% Chrysotile
82	34B	Grout (White) between 1"x1" CFT (Off-White)	FH, Gr Floor, Ladies Locker Rm	Not Detected
83	35B	Setbed (Gray) under 34B on concrete	FH, Gr Floor, Ladies Locker Rm	Not Detected
84	37A	Caulk (Cream) between CFT and CMU block wall	FH, Gr Floor, Ladies Locker Rm	Not Detected
85	37B	Caulk (Cream) between CFT and CMU block wall	FH, Gr Floor, Ladies Locker Rm	Not Detected
86	30B	Fireproofing (White) Spray-on on I-beams, above toilets	FH, Gr Floor, Ladies Locker Rm	Not Detected
87	38A	12"x12" VFT (Off-White w/ Black Streaks)		5-15% Chrysotile
88	38B	12"x12" VFT (Off-White w/ Black Streaks)		5-15% Chrysotile
89	39A	Mastic (Black) under HM 38 on concrete	FH, Gr Floor, Men's Locker Rm. [These Suspect Materials were found only in this one recent]	5-15% Chrysotile
90	39B	Mastic (Black) under HM 38 on concrete		5-15% Chrysotile
91	39C	Mastic (Black) under HM 38 on concrete		5-15% Chrysotile



Utilizing the EPA, OSHA, and RIDOH protocols and criteria, laboratory analyses identified homogeneous materials noted in **Table 2** below as ACM. Allowances for hidden pipe and pipe fitting insulation and hidden vapor barriers in bathroom floors are included. Quantities listed are estimates only.

	Table 2 – ACM and Assumed ACM Inventory Summary							
Table 1	HM	Material Type	ACM/Assumed Location	Sample #	Condition	Estimated		
Line #	#	Material Type	Allow Assumed Ecourton	Asbestos Content	contantion	Quantity		
81	04	Caulk (gray) between metal door frame & CMU block wall [This Suspect Material is assumed to be on all doorframes – this can	Identified as ACM in the Field House, 1 <sup>st</sup> Floor, Men's Locker Room and assumed by definition of Homogeneous	04D	(I)(NF)	6¼ SF [Bead of caulk 20 LF x		
		be verified by sampling each doorframe to be impacted prior to commencement of work]	Materials to be the same material at all doorframes to be impacted.	1-5% Chrysotile		side of approx. 15 doorframes]		
07 00	20	12"x12" VFT (Off-White w/		38A, 38B	(I)(NE)			
07,00	30	Black Streaks)	Field House, 1 <sup>st</sup> Floor,	5-15% Chrysotile		00.55		
<mark>89, 90,</mark>	20	Mastic (Black) under HM 38 on	Men's Locker Room	39A, 39B, 39C		90 SF		
91	39	concrete		5-15% Chrysotile	(I)(INF)			
N/A		ACM pipe and pipe fitting insulation	Allowance for hidden such materials	Assumed	Unknown	300 LF		
N/A		Vapor barrier under concrete floors in bathrooms	Allowance for hidden such materials	Assumed	Unknown	200 SF		

HM = Homogenous Material; F = Friable<sup>11</sup>; NF = Non-Friable; I = Intact; D = Damaged (i.e. <10% of the material is damaged); SD = Significantly Damaged (i.e. >10% of the material is damaged); EA = Each; LF = Linear Feet; SF = Square Feet; CF = Cubic Feet

<sup>&</sup>lt;sup>11</sup> Friable = Material that, when dry, can be crumbled, shattered, pulverized or reduced to powder by hand pressure



### CONCLUSIONS AND RECOMMENDATIONS

Based on visual observations, sample collection, and laboratory analysis, ACM were identified at the Site. Allowances for hidden pipe and pipe fitting insulation and hidden vapor barriers in bathroom floors are included. Refer to Table 2 above.

The identified ACM, which will likely be impacted during renovation activities exceeds the RIDOH trigger quantity of 10 LF/25 SF of ACM; therefore an Asbestos Abatement Plan must be prepared by a RIDOH-certified Asbestos Project Designer and submitted to RIDOH for review and approval before commencing any work that would disturb ACM or assumed ACM.

A RIDOH-licensed Asbestos Abatement Contractor must complete all work related to asbestos abatement (i.e., removal, repair, encapsulation, and enclosure) in accordance with federal, state, and local rules and regulations, including those of OSHA, as required. Storage, transportation, and disposal of ACM must also comply with EPA, OSHA, and RIDOH regulations.

Reasonable efforts were made to discover hidden materials suspected of containing asbestos based on Client's indicated scope of work. However, some materials were not included in the inspection and sampling, and if hidden suspect materials should be encountered during renovation activities that are not identified in this report as not containing asbestos, they should be assumed to contain asbestos until sample collection and laboratory analysis indicate otherwise.

RI Analytical, RIDOH, and OSHA recommend that if any ACM is to remain in the building following renovation/demolition activities, the ACM should be managed in-place under a written Operations and Maintenance Program in accordance with OSHA and RIDOH regulations.



### LIMITATIONS

RI Analytical completed a pre-renovation asbestos inspection and sampling for asbestos materials. Destructive investigations in representative locations were conducted to identify and sample building materials suspected of containing asbestos. However, some hidden Suspect Materials may only be discovered during renovation activities and must be sampled for laboratory analysis for asbestos prior to being impacted in any way.

All observations documented in this report were made under the conditions existing at the time of this investigation. Should changes from existing conditions occur in the future, warranting laboratory analysis, they should be brought to the attention of RI Analytical.

This report was prepared at the request of Client. We further confirm that Client, its affiliates and subsidiaries, and their successors, assigns and grantees may rely on the report within the limitations and recommendations contained therein, as if it were prepared for the benefit of and addressed to them.

This report should not be represented, reproduced, or disseminated without the written approval of RI Analytical or Client. No warranties other than those expressed in the contract for this project are expressed or implied.

Please do not hesitate to contact our EAM Division at 401-737-8500 if you have any questions concerning this report or if we may be of further assistance.

Sincerely,

RI Analytical Laboratories, Inc. Exposure Assessment and Management Division

Ms. Olivia Smaracko Environmental Scientist EAM Division RIDOH #Al01102

Mr. Kenneth Davis Senior Environmental Scientist Manager, EAM Division RIDOH #AI00510

Doc: Rpt-CCRI Kight Campus, Warwick, RI, BathroomPre-RenovASB-2020107-os-jj\_KD

Attachments: Laboratory Analytical Report and Chain-of-Custody Form Sample Location Drawings



### Laboratory Analytical Report and Chain-of-Custody Form



### Page 1 of 21

### LABORATORY REPORT

R.I. Analytical Laboratories Attn: E.A.M. Division 15 Lark Industrial Parkway Smithfield, RI 02828 
 Date Received:
 2/11/2021

 Date Reported:
 2/17/2021

 Work Order #:
 2102-02463

Site Location: PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

Analysis by Polarized Light Microscopy (PLM) was performed in accordance with EPA 40 CFR Appendix E to Subpart E of Part 763 and/or EPA 600/R-93/116.

R.I. Analytical Laboratories, Inc. maintains bulk asbestos fiber NVLAP accreditation under Lab Code 101440-0. This report does not serve as a product certification, approval, and/or endorsement by NVLAP, NIST, or any federal agency.

The sample(s) submitted for analysis were accepted by R.I. Analytical unless otherwise noted in the report. If a sample is found to be inhomogeneous, individual components will be analyzed separately. If individual components cannot be separated, the sample will be homogenized and a single result will be provided. These results only pertain to the samples submitted for this Work Order # and this report shall not be reproduced except in its entirety.

Samples submitted for analysis will be retained for three months for future reference.

We certify that the following results are true and accurate to the best of our knowledge. If you have questions or need further assistance, please contact our Customer Service Department.

Approved by:

Frie Nept

Asbestos Signatory

www.rianalytical.com

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	E SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS</b> /	UNITS	ANALYZED	ANALYST
001	01A GROUT (GRAY) BETWEEN 2"x2" CFT (CREAM)	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
002	02A GLUE PAPER (BLACK) UNDER 01A ON 03A	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Black		2/17/2021	KMG
003	03A GLUE (YELLOW) UNDER 02A ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG
004	04A CAULK (GRAY) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis				
	AND CMU BLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
005	05A PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
006	06A PLASTER BASE COAT (GRAY) UNDER 05A ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
007	07A 2'x2' SAT (WHITE) FISSURED	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Cellulose	50-70	%	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	15-25	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
008	07B 2'x2' SAT (WHITE) FISSURED	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Cellulose	50-70	%	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	15-25	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
009	01B GROUT (GRAY) BETWEEN 2"x2" CFT (CREAM)	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
010	08A SETBED (LT GRAY) UNDER 01B ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
011	09A CAULK (WHITE) BETWEEN CERAMIC SINK &	PLM Fiber Analysis				
	CMU BLOCK WALL	Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS / U</b>	JNITS	ANALYZED	ANALYST
012	05B PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
013	06B PLASTER BASE COAT (GRAY) UNDER 05B ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
014	02B GLUE PAPER (BLACK) UNDER HM 01 ON HM 08	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Black		2/17/2021	KMG
015	08B SETBED (LT GRAY) UNDER 02B ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
016	08C SETBED (LT GRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
017	09B CAULK (WHITE) BETWEEN CERAMIC SINK & CMU	PLM Fiber Analysis				
	BLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE	DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS / UNI</b>	TS ANALYZED	ANALYST
018	10A CAULK (WHITE) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis			
	& CMU BLOCK WALL	Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	White	2/17/2021	KMG
019	11A 4" VCB (TAN) ON 12A ON GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	Tan	2/17/2021	KMG
020	12A GLUE (BEIGE) UNDER 11A ON GB WALL	PLM Fiber Analysis			
		Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	Beige	2/17/2021	KMG
021	08H SETBED (LT gRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis			
		Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	Gray	2/17/2021	KMG
022	16A JOINT COMPOUND (WHITE) ON GB UNDER 08H	PLM Fiber Analysis			
		Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	White	2/17/2021	KMG
023	16B JOINT COMPOUND (WHITE) ON BG AT CORNER	PLM Fiber Analysis			
	NEAR TOILET	Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	White	2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
024	16C JOINT COMPOUND (WHITE) ON GB ABOVE SAT	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
025	17A 2'x2' SAT (WHITE) ROUGH TEXTURE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	30-40	%	2/17/2021	KMG
		Glass Fiber	30-40	%	2/17/2021	KMG
		Non-fibrous	20-40	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
026	17B 2'x2' SAT (WHITE) ROUGH TEXTURE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	30-40	%	2/17/2021	KMG
		Glass Fiber	30-40	%	2/17/2021	KMG
		Non-fibrous	20-40	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
027	18A GYPSUM WALLBOARD ABOVE SAT	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	5-15	%	2/17/2021	KMG
		Glass Fiber	1-5	%	2/17/2021	KMG
		Non-fibrous	85-90	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
028	04B CAULK (GRAY) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis				
	& CMU BLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	E SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS /	UNITS	ANALYZED	ANALYST
029	05C PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
030	06C PLASTER BASE COAT (GRAY) UNDER 058C ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
031	08D SETBED (LT GRAY) UNDER HM01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
032	04C CAULK (GRAY) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis				
	& CMURLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
033	08E SETBED (LT GRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
034	05D PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	2 SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
035	06D PLASTER BASE COAT (GRAY) UNDER 05D ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected	I	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
036	05E PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
037	06E PLASTER BASE COAT (GRAY) UNDER 05E ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected	I	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
038	08F SETBED (LT GRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
039	21A JOINT COMPOUND (WHITE) ON GB SOFFIT	PLM Fiber Analysis				
	CORNER	Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
040	22A GYPSUM BOARD CEILING SOFFIT	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Cellulose	1-5	%	2/17/2021	KMG
		Non-fibrous	95-99	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
041	19A 2'x2' SAT (WHITE) PIN DOT PATTERN	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	50-70	%	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	15-45	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
042	19B 2'x2' SAT (WHITE) PIN DOT PATTERN	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	50-70	%	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	15-45	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
043	21B JOINT COMPOUND (WHITE) ON GB SOFFIT	PLM Fiber Analysis				
	CORNER	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
044	20A GLUE (YELLOW) UNDER LAMINATE	PLM Fiber Analysis				
	COUNTERTOP (RED) ON WOOD	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG
045	20B GLUE (YELLOW) UNDER LAMINATE	PLM Fiber Analysis				
	COUNTERTOP (RED) ON WOOD	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

### SAMPLE SAMPLE SAMPLE DATE DESCRIPTION PARAMETER NO. ANALYST **RESULTS / UNITS** ANALYZED 046 PLM Fiber Analysis 21C JOINT COMPOUND (WHITE) ON GB SOFFIT CORNER Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color White 2/17/2021 KMG 047 22B GYPSUM BOARD CEILING SOFFIT PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG Cellulose 5-15 % 2/17/2021 KMG Glass Fiber 1-5 % 2/17/2021 KMG 85-90 % 2/17/2021 KMG Non-fibrous 2/17/2021 Sample Color KMG Gray 048 PLM Fiber Analysis 23A GROUT (GRAY) BETWEEN 2"x2" CFT (TAN W/ DOTS) Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color Gray 2/17/2021 KMG 049 24A GLUE (YELLOW) UNDER 23A PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color Yellow 2/17/2021 KMG 050 25A SETBED (GRAY) UNDER 24A ON CONCRETE PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG % 2/17/2021 Non-fibrous 100 KMG Sample Color Yellow 2/17/2021 KMG 051 23B GROUT (GRAY) BETWEEN 2"x2" CFT (TAN PLM Fiber Analysis W/DOTS) Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color 2/17/2021 KMG Gray

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS / U	NITS	ANALYZED	ANALYST
052	24B GLUE (YELLOW) UNDER 23B	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG
053	25B SETBED (GRAY) UNDER 24B ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
054	05F PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
055	06F PLASTER BASE COAT (GRAY) UNDER 05F ON WIRE	PLM Fiber Analysis				
	LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
056	08G SETBED (LT GRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
057	10B CAULK (WHITE) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis				
	& CMU BLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	E SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS /</b>	UNITS	ANALYZED	ANALYST
058	25C SETBED (GRAY) UNDER HM 24 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
059	05G PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
060	06G PL;ASTER BASE COAT (GRAY) UNDER 05G ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
061	21D JOINT COMPOUND (WHITE) ON GB WALL	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
062	26A GROUT (WHITE) BETWEEN 4"x4" CWT (WHITE)	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
063	27A SETBED (WHITE) UNDER HM26 ON GB WALL	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	E SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS / UI	NITS	ANALYZED	ANALYST
064	26B GROUT (WHITE) BETWEEN 4"x4" CWT (WHITE)	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
065	27B SETBED (WHITE) UNDER HM 26 ON GB WALL	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
066	11B 4" VCB (TAN) ON 12B ON GB	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Tan		2/17/2021	KMG
067	12B GLUE (BEIGE) UNDER 11B ON GB WALL	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Beige		2/17/2021	KMG
068	03B GLUE (YELLOW) UNDER HM 01 & HM 02 ON	PLM Fiber Analysis				
	CONCRETE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG
069	28A FIRESTOP (RED) AT PIPE PENETRATION IN CMU	PLM Fiber Analysis				
	BLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Red		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
070	28B FIRESTOP (RED) AT PIPE PENETRATION IN CMU	PLM Fiber Analysis				
	BLOCK WALL	Asbestos	Not Detected	I	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Red		2/17/2021	KMG
071	29A PAPER (TAN) IN METAL TOILET PARTITION	PLM Fiber Analysis				
		Asbestos	Not Detected	I	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Tan		2/17/2021	KMG
072	29B PAPER (TAN) IN METAL TOILET PARTITION	PLM Fiber Analysis				
		Asbestos	Not Detected	I	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Tan		2/17/2021	KMG
073	30A FIREPROOFING (WHITE) SPRAY-ON ON I-BEAMS,	PLM Fiber Analysis				
	ABOVE TOILETS	Asbestos	Not Detected	I	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
074	31A DUCT SEAM TAPE (TAN) PAINTED WHITE	PLM Fiber Analysis				
		Asbestos	Not Detected	I	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Tan		2/17/2021	KMG
075	32A 4" VCB (BROWN) ON HM 33 ON CONCRETE,	PLM Fiber Analysis				
	UNDER LOCKERS	Asbestos	Not Detected	I	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Brown		2/17/2021	KMG

2/17/2021

KMG

### R.I. Analytical Laboratories, Inc LABORATORY REPORT

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

### SAMPLE SAMPLE SAMPLE DATE DESCRIPTION PARAMETER NO. **RESULTS / UNITS** ANALYZED ANALYST 076 PLM Fiber Analysis 32B 4" VCB (BROWN) ON HM 33 ON CMU BLOCK WALL NEAR SHOWERS Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color Brown 2/17/2021 KMG 077 33A GLUE (BROWN) UNDER 32A ON CONCRETE PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG Other 1-5 % 2/17/2021 KMG Non-fibrous 95-99 % 2/17/2021 KMG 2/17/2021 Sample Color KMG Brown 078 33BGLUE (BROWN) UNDER 32B ON CMU BLOCK WALL PLM Fiber Analysis 2/17/2021 KMG Asbestos Not Detected Other % 2/17/2021 KMG 1-5 Non-fibrous 95-99 % 2/17/2021 KMG Sample Color Brown 2/17/2021 KMG 079 PLM Fiber Analysis 34A GROUT (WHITE) BETWEEN 1"x1" CFT (OFF-WHITE) Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color White 2/17/2021 KMG 080 35A SETBED (GRAY) UNDER 34A ON CONCRETE PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG % Non-fibrous 100 2/17/2021 KMG Sample Color 2/17/2021 KMG Gray 081 04D CAULK (GRAY) ETWEEN METAL DOOR FRAME & PLM Fiber Analysis CMU BLOCK WALL Asbestos Detected 2/17/2021 KMG % 1-5 2/17/2021 Chrysotile KMG Non-fibrous 95-99 % 2/17/2021 KMG

Sample Color

Gray

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
082	34B GROUT (WHITE) BETWEEN 1"x1" CFT (OFF	PLM Fiber Analysis				
	WHITE)	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
083	35B SETBED (GRAY) UNDER 34B ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
084	37A CAULK (CREAM) BETWEEN CFT AND CMU BLOCK	PLM Fiber Analysis				
	WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Beige		2/17/2021	KMG
085	37B CAULK (CREAM) BETWEEN CFT AND CMU BLOCK	PLM Fiber Analysis				
	WALL.	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Beige		2/17/2021	KMG
086	30B FIREPROOFING (WHITE) SPRAY-ON ON I-BEAMS,	PLM Fiber Analysis				
	ABOVE TOILET	Asbestos	Not Detected		2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
087	38A 12"x12" VFT (OFF-WHITE WITH BLACK STREAKS)	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

### METHOD: EPA 600/R-93/116

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS</b> / V	UNITS	ANALYZED	ANALYST
088	38B 12"x12" VFT (OFF WHITE WITH BLACK STREAKS)	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
089	39A MASTIC (BLACK) UNDER HM 38 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
090	39B MASTIC (BLACK) UNDER HM 38 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	Black		2/17/2021	KMG
091	39C MASTIC (BLACK) UNDER HM 38 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	Black		2/17/2021	KMG

PROJECT # 2020107 CCRI KNIGHT CAMPUS MAIN BUILDING AHARONIAN & ASSOCIATES 400 EAST AVE WARWICK, RI 02886

	Page 18	of 21
<b>R.I. ANALYTICAL</b> 41 Illinois Avenue - Warwick, RI 02888 P: (401) 737-8500 F: (401) 732-8034	SAMPLE DATA S & CHAIN OF CUST	GHEET
Project: CCRI Knight Campus, Main Bldg – Aharonian & Associates	Client Purchase Order #:	
Address: 400 East Ave, Warwick, RI 02886	RI Analytical EAM Project #: 2020107	
Sampled By (Name): Olivia Smaracko/Danny Mullen	RI Analytical Work Order#: 02 -0	2463
Sampled By (Certification #): AI01102/AI00963	Inspection Date: 2/10-2/11/21	Page 1 of <u>4</u>

Line	Sample #	Description	Location	Notes
1	01A	Grout (Gray) between 2"x2" CFT (Cream)	Restroom 0280	
2	02A	Glue Paper (Black) under 01A on 03A	Restroom 0280	
3	03A	Glue (Yellow) under 02A on concrete	Restroom 0280	
4	04A	Caulk (Gray) between metal door frame & CMU block wall	Restroom 0280	
5	05A	Plaster Skim Coat (White) at ceiling	Restroom 0082	
6	06A	Plaster Base Coat (Gray) under 05A on wire lathe	Restroom 0082	
7	07A	2'x2' SAT (White) fissured	Restroom 0082	
8	07B	2'x2' SAT (White) fissured	Restroom 0082	
9	01B	Grout (Gray) between 2"x2" CFT (cream)	Restroom 0084	
10	08A	Setbed (Lt Gray) under 01B on concrete	Restroom 0084	
11	09A	Caulk ( White) between ceramic sink & CMU block wall	Restroom 0042	
12	05B	Plaster Skim Coat (White) at ceiling	Restroom 1008	
13	06B	Plaster Base Coat (Gray) under 05B on wire lathe	Restroom 1008	
14	02B	Glue Paper (Black) under HM 01 on HM 08	Restroom 1008	
15	08B	Setbed (Lt Gray) under 02B on concrete	Restroom 1008	
16	08C	Setbed (Lt Gray) under HM 01 on concrete	Restroom 1102	
17	09B	Caulk ( White) between ceramic sink & CMU block wall	Restroom 1144	
18	10A	Caulk (White) between metal door frame & CMU block wall	Restroom 1146	
19	11A	4" VCB (Tan) on 12A on GB	Restroom/Storage 1160	
20	12A	Glue (Beige) under 11A on GB wall	Restroom/Storage 1160	
21	08H	Setbed (Lt Gray) under HM 01 on concrete	Restroom/Storage 1160	
22	16A	Joint Compound (White) on GB under 08H	Restroom/Storage 1160	
23	16B	Joint Compound (White) on GB at corner near toilet	Restroom/Storage 1160	
24	16C	Joint Compound (White) on GB above SAT	Restroom/Storage 1160	
25	17A	2'x2' SAT (White) rough texture	Restroom/Storage 1160	
26	17B	2'x2' SAT (White) rough texture	Restroom/Storage 1160	

 COMMENTS: Email report to: Name:
 O. Smaracko & K.Davis
 ; Email to: osmaracko, kdavis & jjencks@rianalytical.com

 A. (1) Analysis = ⊠ PLM, Asbestos (EPA 600/R-93/116); ⊠ PLM NOB as needed; □
 \_\_\_\_\_\_ point count if friable and <10% ASB; □</td>
 TEM NOB

 (2) TAT = 3 days
 ; (3) No. samples submitted = \_91
 ; (4) □ Y or ⊠ N - Posittive stop, by Homogeneous # shown.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
(SIGNATURE) Olivia Smaracko	2/11/21 17:00	(SIGNATURE)	2/ [VIZ]
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME

	Page 19 of 21	
<b>R.I. ANALYTICAL</b> 41 Illinois Avenue - Warwick, RI 02888 P: (401) 737-8500 F: (401) 732-8034	SAMPLE DATA SHEET & CHAIN OF CUSTODY	
Project: CCRI Knight Campus, Main Bldg – Aharonian & Associates	ates Client Purchase Order #:	
Address: 400 East Ave, Warwick, RI 02886	RI Analytical EAM Project #: 2020107	
Sampled By (Name): Olivia Smaracko/Danny Mullen	RI Analytical Work Order#: 02-02463	
Sampled By (Certification #): AI01102/AI00963	Inspection Date: 2/10-2/11/21	Page 2 of <u>4</u>

Line	Sample #	Description	Location	Notes
27	18A	Gypsum Wallboard above SAT	Restroom/Storage 1160	
28	04B	Caulk (Gray) between metal door frame & CMU block wall	Restroom 2134	
29	05C	Plaster Skim Coat (White) at ceiling	Restroom 2133	
30	06C	Plaster Base Coat (Gray) under 05C on wire lathe	Restroom 2133	
31	08D	Setbed (Lt Gray) under HM 01 on concrete	Restroom 2105	
32	04C	Caulk (Gray) between metal door frame & CMU block wall	Restroom 2143	
33	08E	Setbed (Lt Gray) under HM 01 on concrete	Restroom 3008	
34	05D	Plaster Skim Coat (White) at ceiling	Restroom 3302	
35	06D	Plaster Base Coat (Gray) under 05D on wire lathe	Restroom 3302	
36	05E	Plaster Skim Coat (White) at ceiling	Restroom 3125	
37	06E	Plaster Base Coat (Gray) under 05E on wire lathe	Restroom 3125	
38	08F	Setbed (Lt Gray) under HM 01 on concrete	Restroom 3109	
39	21A	Joint Compound (White) on GB soffit corner	Restroom 3103	1999 Reno
40	22A	Gypsum Board ceiling soffit	Restroom 3103	1999 Reno
41	19A	2'x2' SAT (White) pin dot pattern	Restroom 3103	1999 Reno
42	19B	2'x2' SAT (White) pin dot pattern	Restroom 3101	1999 Reno
43	21B	Joint Compound (White) on GB soffit corner	Restroom 3101	1999 Reno
44	20A	Glue (Yellow) under laminate countertop (red) on wood	Restroom 3103	1999 Reno
45	20B	Glue (Yellow) under laminate countertop (red) on wood	Restroom 3101	1999 Reno
46	21C	Joint Compound (White) on GB soffit corner	Restroom 4088	1999 Reno
47	22B	Gypsum Board ceiling soffit	Restroom 4088	1999 Reno
48	23A	Grout (Gray) between 2"x2" CFT (tan w/ dots)	Restroom 4089	1999 Reno
49	24A	Glue (Yellow) under 23A	Restroom 4089	1999 Reno
50	25A	Setbed (Gray) under 24A on concrete	Restroom 4089	1999 Reno
51	23B	Grout (Gray) between 2"x2" CFT (tan w/ dots)	Restroom 4088	1999 Reno
52	24B	Glue (Yellow) under 23B	Restroom 4088	1999 Reno

 COMMENTS: Email report to: Name:
 O. Smaracko & K.Davis
 ; Email to: osmaracko, kdavis & jjencks@rianalytical.com

 A. (1) Analysis = ⊠ PLM, Asbestos (EPA 600/R-93/116); ⊠ PLM NOB as needed; □
 \_\_\_\_\_\_ point count if friable and <10% ASB; □</td>
 TEM NOB

 (2) TAT = 3 days
 : (3) No. samples submitted = 91
 : (4) □ Y or ⊠ N - Positive step by thomogeneous # shown

RELINQUISHED BY: (SIGNATURE) Olivia Smaracko	DATE/TIME 2/11/21 17:00	RECEIVED BY (SIGNATURE)	1	DATE/TIME/21
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)	()	DATE/TIME

	Page 20 of 21		
<b>R.I. ANALYTICAL</b> 41 Illinois Avenue - Warwick, RI 02888 P: (401) 737-8500 F: (401) 732-8034	SAMPLE DATA SHEET & CHAIN OF CUSTODY		
Project: CCRI Knight Campus, Main Bldg – Aharonian & Associates	s Client Purchase Order #:		
Address: 400 East Ave, Warwick, RI 02886	RI Analytical EAM Project #: 2020107		
ampled By (Name): Olivia Smaracko/Danny Mullen RI Analytical Work Order#: 02-02		2463	
Sampled By (Certification #): AI01102/AI00963	Inspection Date: 2/10-2/11/21	Page 3 of <u>4</u>	

Line	Sample #	Description	Location	Notes
53	25B	Setbed (Gray) under 24B on concrete	Restroom 4088	1999 Reno
54	05F	Plaster Skim Coat (White) at ceiling	Restroom 06222	
55	06F	Plaster Base Coat (Gray) under 05F on wire lathe	Restroom 06222	
56	08G	Setbed (Lt Gray) under HM 01 on concrete	Restroom 6128	
57	10B	Caulk (White) between metal door frame & CMU block wall	Restroom 6078	1999 Reno
58	25C	Setbed (Gray) under HM 24 on concrete	Restroom 6076	1999 Reno
59	05G	Plaster Skim Coat (White) at ceiling	Restroom 4580	
60	06G	Plaster Base Coat (Gray) under 05G on wire lathe	Restroom 4580	
61	21D	Joint Compound (White) on GB Wall	Restroom 2544	
62	26A	Grout (White) between 4"x4" CWT (White)	Restroom 2544	
63	27A	Setbed (White) under HM 26 on GB Wall	Restroom 2544	
64	26B	Grout (White) between 4"x4" CWT (White)	Restroom 1546	
65	27B	Setbed (White) under HM 26 on GB Wall	Restroom 1546	
66	11B	4" VCB (Tan) on 12B on GB	Restroom/Storage 1160	
67	12B	Glue (Beige) under 11B on GB wall	Restroom/Storage 1160	
68	03B	Glue (Yellow) under HM 01 & HM 02 on concrete	Restroom 0280	
69	28A	Firestop (Red) at pipe penetration in CMU block wall	Restroom 0556	
70	28B	Firestop (Red) at pipe penetration in CMU block wall	Restroom 0564	
71	29A	Paper (Tan) in metal toilet partition	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
72	29B	Paper (Tan) in metal toilet partition	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
73	30A	Fireproofing (White) Spray-on on I-beams, above toilets	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
74	31A	Duct Seam Tape (Tan) painted white	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
75	32A	4" VCB (Brown) on HM 33 on concrete, under lockers	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
76	32B	4" VCB (Brown) on HM 33 on CMU block wall, near showers	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
77	33A	Glue (Brown) under 32A on concrete	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
78	33B	Glue (Brown) under 32B on CMU block wall	FH, 1 <sup>st</sup> Floor, Men's Locker Room	

 COMMENTS: Email report to: Name:
 O. Smaracko & K.Davis
 ; Email to: osmaracko, kdavis & jjencks@rianalytical.com

 A. (1) Analysis = ⊠ PLM, Asbestos (EPA 600/R-93/116);
 ⊠ PLM NOB as needed; □
 \_\_\_\_\_\_ point count if friable and <10% ASB; □</td>
 TEM NOB

 (2) TAT =
 3 days
 ; (3) No. samples submitted =
 91
 ; (4) □ Y or ⊠ N - Posiţive Stop-by-Homogeneous # shown.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY	DATE/TIME
(SIGNATURE) Olivia Smaracko	2/11/21 17:00	(SIGNATURE)	2/11/2/
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATETIME

Page 21 of 21		
R.I. ANALYTICAL 41 Illinois Avenue - Warwick, RI 02888 P: (401) 737-8500 F: (401) 732-8034	SAMPLE DATA SHEET & CHAIN OF CUSTODY	
Project: CCRI Knight Campus, Main Bldg – Aharonian & Associates	Client Purchase Order #:	
Address: 400 East Ave, Warwick, RI 02886	RI Analytical EAM Project #: 2020107	
Sampled By (Name): Olivia Smaracko/Danny Mullen	RI Analytical Work Order#: 02-02 463	
Sampled By (Certification #): AI01102/AI00963	Inspection Date: 2/10-2/11/21 Page 4 of <u>4</u>	

Line	Sample #	Description	Location	Notes
79	34A	Grout (White) between 1"x1" CFT (Off-White)	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
80	35A	Setbed (Gray) under 34A on concrete	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
81	04D	Caulk (Gray) between metal door frame & CMU block wall	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
82	34B	Grout (White) between 1"x1" CFT (Off-White)	FH, Gr Floor, Ladies Locker Room	
83	35B	Setbed (Gray) under 34B on concrete	FH, Gr Floor, Ladies Locker Room	
84	37A	Caulk (Cream) between CFT and CMU block wall	FH, Gr Floor, Ladies Locker Room	
85	37B	Caulk (Cream) between CFT and CMU block wall	FH, Gr Floor, Ladies Locker Room	
86	30B	Fireproofing (White) Spray-on on I-beams, above toilets	FH, Gr Floor, Ladies Locker Room	
87	38A	12"x12" VFT (Off-White w/ Black Streaks)	FH, Gr Floor, Men's Locker Room	~90 SF
88	38B	12"x12" VFT (Off-White w/ Black Streaks)	FH, Gr Floor, Men's Locker Room	~90 SF
89	39A	Mastic (Black) under HM 38 on concrete	FH, Gr Floor, Men's Locker Room	~90 SF
90	39B	Mastic (Black) under HM 38 on concrete	FH, Gr Floor, Men's Locker Room	~90 SF
91	39C	Mastic (Black) under HM 38 on concrete	FH, Gr Floor, Men's Locker Room	~90 SF
92				
93				
94				
95				
96				
97				
98				
99				
100				
101				
102				
103				

COMMENTS: Email report to: Name: O. Smaracko & K.Davis ; Email to: osmaracko, kdavis & jjencks@rianalytical.com				
A. (1) Analysis = 🛛 PLM, Asbestos (EPA 600/R-93/116); 🖾 PLM NOB as needed; 🗆 point count if friable and <10% ASB; 🗆 TEM NOB				
(2) TAT = _3 days; (3) No. samples submitted = _91 ; (4)  riangleright Y or  riangleright N - Positive stop by Hemogeneous # shown.				
RELINQUISHED BY: (SIGNATURE) Olivia Smaracko	DATE/TIME 2/11/21 17:00	RECEIVED BY: (SIGNATURE)	DATE/TIMEZI	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	



### Sample Location Drawings

Note: Sample numbers in red on the drawings tested as ACM (i.e. >1% asbestos) by Laboratory Analysis





SLD.02




**SLD.04** 

**Asbestos Abatement Plan** 

CCRI Restrooms Renovations Project CCRI Knight Campus 400 East Avenue Warwick, RI 02886

**Prepared for:** 

Owner CCRI Knight Campus 400 East Avenue Warwick, RI 02886

and

Architect Aharonian & Associates, Inc. 310 George Washington Hwy, Suite 100 Smithfield, RI 02917

RI Analytical Project #2020107

DATE: May 21, 2021





REF:	EF: Asbestos Abatement Plan - CCRI Restrooms Renovations Project Site: CCRI Knight Campus, 400 East Avenue, Warwick, RI 02886 RI Analytical Project #2020107			
FROM:	Kenneth Davis	DATE: May 21, 2021		
cc:	Mr. David Horton, RA Aharonian & Associates, Inc. 310 George Washington Hwy, Suite 100 Smithfield, RI 02917	P: 401.232.5010; C: 508.958.8850 E: DHorton@arch-eng.com		
cc:	Mr. Mark Libutti College Projects Manager CCRI, Knight Campus 400 East Ave, Warwick, RI, 02886	P: 401.825.2380 E: malibutti@ccri.edu		
cc:	Mr. David Snow Acting Director CCRI, Knight Campus 400 East Ave, Warwick, RI, 02886	P: 401.825.2380 E: dasnow@ccri.edu		
То:	Ms. Bonnie Cassani-Brandt Healthy Communities Program Center for Healthy Homes & Environment RI Department of Health Three Capitol Hill, 206 Cannon Building, Provide	P: 401.222.7784 E: bonnie.cassanibrandt@health.ri.gov ence, RI 02908		

#### **TRANSMITTAL to RIDOH**

Ms. Cassani-Brandt:

Attached to this Transmittal, please find the following. The RIDOH Asbestos Abatement Plan filing fee is waived as CCRI is considered a State agency.

(1) Asbestos Abatement Plan for your review and approval.

To summarize, abatement at the above-referenced Site will include the following. The plan has been prepared based on information provided by Owner and Architect.

	Table 2 – ACM and Assumed ACM Inventory Summary							
Table 1	ΗМ			Sample #		Estimated		
Line #	#		ACIVI/ASSUMED LOCATION	Asbestos Content	Condition	Quantity		
81	04	Caulk (gray) between metal door frame & CMU block wall [This Suspect Material is assumed to be on all doorframes – this can be verified by sampling each	Identified as ACM in the Field House, 1 <sup>st</sup> Floor, Men's Locker Room and assumed by definition of Homogeneous Materials to be the	04D	- (I)(NF)	<b>6¼ SF</b> [Bead of caulk 20 LF x <b>¼</b> " on each side of		
		doorframe to be impacted prior to commencement of work] doorframes to impacted.	same material at all doorframes to be impacted.	1-5% Chrysotile		approx. 15 doorframes]		



CCRI/Aharonian & Associates, Inc. - Asbestos Abatement Plan Restrooms Renovations - Site: Knight Campus, 400 East Avenue, Warwick, RI 02886 RI Analytical #2020107 May 21, 2021 - Page 2

	Table 2 – ACM and Assumed ACM Inventory Summary						
Table 1 HM		Material Type	ACN/Assumed Location	Sample #	Condition	Estimated	
Line #	#	Materiai iype	ACIVI/ASSUITIEU LOCACION	Asbestos Content	Condition	Quantity	
07 00	20	12"x12" VFT (Off-White w/	Field House, 1 <sup>st</sup> Floor,	38A, 38B	(I)(NE)	00 SE	
07,00	50	Black Streaks)		5-15% Chrysotile	(1)(187)		
<mark>89, 90,</mark>	20	Mastic (Black) under HM 38 on	Men's Locker Room	39A, 39B, 39C	(I)(NE)	90 SF	
91	39	concrete		5-15% Chrysotile	(I)(INF)		
		ACM pipe and pipe fitting Allowance for hidden such materials	Allowance for hidden	Assumed Unknown	20015		
N/A			Assumed	UIKIOWI	500 LF		
		Vapor barrier under concrete	Allowance for hidden	Assumed	Unknown	200 SE	
N/A		floors in bathrooms	such materials	Assumed	Unknown	200 31	

HM = Homogenous Material; F = **Friable**<sup>1</sup>; NF = Non-Friable; I = Intact; D = Damaged (i.e. <10% of the material is damaged); SD = Significantly Damaged (i.e. >10% of the material is damaged); EA = Each; LF = Linear Feet; SF = Square Feet; CF = Cubic Feet

The following waivers are being applied for in association with this work:

### None

<sup>&</sup>lt;sup>1</sup> Friable = Material that, when dry, can be crumbled, shattered, pulverized or reduced to powder by hand pressure

# **RHODE ISLAND DEPARTMENT OF HEALTH**

# NOTARIZED CERTIFICATION OF ASBESTOS ABATEMENT PLAN

Facility: <u>CCRI Knight Ca</u>	<u>ampus</u>		
Address: <u>400 East Avenue</u>			
City/Town: <u>Warwick, RI</u>	$\underline{\mathbf{U}}$	<u>2886</u> Ame	endment Phase No:
Abatement Plan Written By:	Kenneth Davis	Ce	ertification No: <u>APD00510</u>
Summary of specific waiver	s/variances being req	uested: <u>Refer to A</u>	Attachment #5
Type of Asbestos Abatement	<ul> <li>Removal</li> <li>Demolition</li> <li>Other (specify)</li> </ul>	□ Enclosure ⊠ Glovebag	<ul> <li>☐ Encapsulation</li> <li>☐ Asphalt Roofing</li> </ul>
Is this plan being submitted in a Submit an Asbestos Abatement	response to a Notice of t Plan?	Violation and/or ∕es ⊠ No	a Notice of Requirement to
If yes, Indicate Notice/Buildin	ng Evaluation No(s):		
Contractor: To be determined		Lice	ense No:
Estimated Starting Date: <u>9/1/2</u>	2021		
Pre-Abatement Sampling I	nformation		
Bulk Samples Collected By:	<u>Olivia Smaracko</u>	Cer	rtification No: AI01102
Bulk Samples Analyzed By:	<b>RI Analytical Labor</b>	ratories, Inc. Cer	rtification No: <u>PLM00142</u>
Air Samples Analyzed By:	To be determined	Cer	rtification No:
Clearance Air Sampling In	formation		
Air Samples to be Collected By	: To be determined		
Air Samples to be Analyzed By	7: To be determined	Cer	rtification No:
I certify that: this asbestos abaten the RI Asbestos Control Act an abatement/management activities specifications prescribed in this p state regulations; and the asbestos RI licensed asbestos abatement co	CERTIFIC nent plan is prepared and d Parts A and C of th performed in conjunct plan (when approved) and s abatement/management ntractor.	CATION I submitted under t e RI Rules and R ion with this pla d the most current activities described	the provisions of Section 23-24.5-6 of Regulations for Asbestos Control; all n must be in compliance with the revision of all applicable federal and d in this plan must be performed by a
Certified by:(Signature of Building C	Dwner or Agent) Tit	le:	
(Typed/Printed Nam	e of Certifier)	Date:	
Subscribed and sworn be	tore me this d	ay of	, 20
(Matomy Dublic)	My	Commission Expi	res:
(Notary Public) AFFIX NOTARY SEA	L HERE		

### STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

### **Department of Health**

### **Office of Occupational & Radiological Health**

### APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

1. Building Owner's Name:

### CCRI

2. Application Prepared By:

### **Kenneth Davis**

RI Certification No: APD00510

Phone No: 401-737-8500 ext. 120 (Area Code, No., Ext.)

Email: kdavis@rianalytical.com

- 3. Building Owner's Mailing Address and Telephone Number: Company: CCRI Knight Campus Contact: Mr. David Snow, Acting Director Street: 400 East Avenue City/Town: Warwick, RI Zip: 02886 Telephone No.: 401.825.2380 (Area Code, No., Ext.)
- 4. Person to be contacted regarding this application:

Name: Mr. Mark Libutti **College Projects Manager** 

Email: malibutti@ccri.edu Phone No: 401.825.2380 (Area Code, No., Ext.)

5. Location where abatement work will be performed:

	Name (if applicable): CCRI Knight Campus					
	Street: Z City/Town:	400 East Avenue Warwick, RI		Zip: <u>02886</u>		
6.	Is this applic Asbestos Ab	cation being subm atement plan"?	nitted in respons	e to a "Notice of ⊠ No	Requirement to Submit an	
If	Yes, what is th	ne due date for sub	omittal of Abaten	nent plan?	(Mo.) (Day) (Yr.)	
Εv	aluation Num	ber on the Notice:				
7.	Contractor w	ho will be perform	ning abatement v	vork (if selected):		

### Name: To be determined

FORM ASB – 16 (11/2003)

-

REPLACES FORM ASB 16 (3/92)

WHICH IS OBSOLETE

R.I. License No.:

8.	Estimate	ed Starting Date of Abatement	Work:	(Month)	<u>9/1/2021</u> (Day) (Year)
9.	Estimate	ed Completion Date of Abatem	nent Work:	(Month)	<u>9/1/2022</u> (Day) (Year)
10.	Type of	Asbestos Abatement:			(Check all that apply)
	$\boxtimes$ F	Removal		□ Encl	osure
		Encapsulation		□ Dem	olition
		Operations and Maintenance Or	nly		
		Other (Specify):			
11.	Type of	Building:	<ul> <li>□ School</li> <li>□ Privately Own</li> <li>□ Publicly Own</li> <li>□ Residence</li> <li>□ Other (Specified)</li> </ul>	ned Build ned Build ŷ)	ling ing
12.	Building	g Access:	<ul> <li>☑ Public Access</li> <li>□ Limited Public</li> <li>□ No Public Access</li> </ul>	s (> 25% ic Access scess	of Building Area) (< 25% of Building Area)
13.	Bulk Sa	mple Collection and Analysis:	Refer to Attachm	1001 1001 1001 1001 1001 1001 1001 100	
	A).	Person collecting bulk sampl	es:		
	Nan	ne: Olivia Smaracko	RI C	Certificati	on No.: <u>AI01102</u>
	B).	Sampling Methodology:			
		□ EPA AHERA Sampling r	equirements [40 C	FR 763.8	6].
		⊠ EPA's Asbestos-Containi Document (EPA-405/2-78-0 Materials – 1985 Edition (EP	ng Material in Sch 14) or Guidance fo PA-560-5-85-024)	ool Build r Control	ings: A Guidance ling Asbestos Containing
		□ Other (Specify)			
	C).	Laboratory performing the ar	analysis of the bulk samples		
		Name: <u>RI Analytical Laborat</u>	<u>ories, Inc.</u> RI (	Certificati	ion No.: <u>PLM00142</u>
	D).	Analytical Methodology:			
		⊠ EPA Interim Method fo Samples [PLM method only]	or the Determinati	on of A	sbestos in Bulk Insulation
		□ Other (Specify)			

### 14. Pre-Abatement Air Sample Collection and Analysis: Refer to Attachment #7

A). Person collecting pre-abatement air samples:

Name: <u>To be determined</u>	Affiliation: To be determined				
B). Laboratory performing analysis of pre-abatement air samples.					
Name: <u>To be determined</u>	RI Certification No.: <u>To be determined</u>				
C). Methodology used in the collection and analysis of pre-abatement samples:					
⊠ NIOSH Method 7400 [Most C	urrent Revision]				
□ OSHA 29 CFR 1926.1101 – A	ppendix A & B				

- $\Box$  Other (Specify)
- 15. A. Indicate how the regulated asbestos-containing material (RACM) will be removed from the abatement site. If a hauler or broker will be used to transport the RACM to a disposal site, they must also be identified.

All RACM and other asbestos-containing materials that will be impacted by any proposed renovations at the site will be abated by a RIDOH-licensed Asbestos Contractor prior to renovation/ demolition activities. RACM will be abated utilizing appropriate containment, and all (adequately wet) waste will be placed in double 6-mil polyethylene disposal bags, drums that are doublelined with 6-mil polyethylene disposal bags, and/or dumpsters lined with two layers of 10-mil polyethylene sheeting. All waste shall be appropriately disposed at a permitted waste disposal facility to be named at a later date. Each work area where RACM has been removed shall be visually inspected to ensure no visual suspect dust or debris remains.

B. Provide the name and location of the authorized asbestos waste facility to which the removed material will be transferred for disposal (if known).

### To be determined

16. Person designated as compliance monitor for abatement work. [NOT REQUIRED]

Name: <u>To be determined</u>

Affiliation: To be determined

### 17. In-Process & Clearance Air Sampling: Refer to Attachment #1

- A. Describe on an attachment the type, number and location of air samples that will be collected outside the work area during the abatement project.
- B. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fibers per cubic centimeter) is exceeded outside the work area during the abatement project.
- C. Describe on an attachment the type, number, and location of air samples that will be collected as part of the final clearance testing.
- D. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fiber per cubic centimeter) is exceed during final clearance testing.
- 18. A separate and fully-completed Form ASB-16A must be submitted for each area to be abated. List below the entry in Item 1 from each attached ASB-16A.

### <u>Area 1 – Interior Restrooms</u>

19. I certify that this plan was prepared by me and I am responsible for its content.

1 Jan		
Signature: Kenneth Davis	Date	5/21/2021
		(Month) (Day) (Year)
Affiliation: <b>RI Analytical Laboratories, Inc.</b>		

### 20. ASBESTOS ABATEMENT PLAN APPLICATION FEE:

□ Operation & Maintenance Only	\$ 75
□ Up to One (1) NESHAP Unit	\$ 75
$\Box$ Between One (1) & Ten (10) NESHAP Units	\$ 300
□ Between Ten (10) & Fifty (50) NESHAP Units	\$ 600
□ Over Fifty (50) NESHAP Units	\$ 900
⊠ Fee Waived for State Agency	

### STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

### **Department of Health**

### Office of Occupational & Radiological Health

### APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

### BUILDING LOCATION: CCRI Knight Campus, 400 East Avenue, Warwick, RI 02886

**INSTRUCTIONS:** All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(1) Area Location/Identification (Room Name/No., Evaluation Number, etc.):

### Area 1 – <u>Interior Restrooms</u>

(2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).)

# Refer to Attachment #2 for the Table of all RACM that will be impacted by proposed activities.

(3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

### Refer to Attachment #6 for the Drawing

### (4) PROPOSED REMEDIES:

A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

### **Refer to Attachment #4**

### (4) PROPOSED REMEDIES (cont.)

B). Will any portion of this area be abated by use of B.8 work procedures?
 ☑ Yes □ No

If Yes, indicate below which RACM in this area will be abated by use of the following B.8 work procedures:

B.8.2 & B.8.3	Refer to Table 2 – ACM and Assumed ACM
[Removal]	
B.8.2 & B.8.4	
[Encapsulation]	
B.8.2 & B.8.5	
[Enclosure]	
B.8.6	
[Demolition]	
B.8.7 [Glovebag]	Refer to Table 2 – ACM and Assumed ACM
B.8.8 [Asphalt	
Roofing]	

C). Are you requesting any waivers to the above selected B.8 procedure for any of the abatement activities in this area?

### □ Yes ⊠ No <u>Refer to Attachment #5</u>

If yes, attach a detailed description of the waivers requested you are proposing to utilize. <u>All items must be keyed to the specific section(s) of the regulations for which waivers are requested.</u>

D). Are you proposing alternative procedures under B.11 for any of the abatement activities in this area?

 $\Box$  Yes  $\boxtimes$  No

If yes, attach a detailed description of the alternate procedures requested you are proposing to utilize. <u>Alternate procedures must include a justification for not following specific section(s) of the regulations and be as protective of public health.</u>

### E). Will any RACM remain in this area after abatement?

 $\Box$  Yes  $\Box$  No  $\boxtimes$  Beyond scope of inspection

If Yes, attach a description of the RACM that will remain and the details of the ongoing Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

### AGENCY USE ONLY

### ATTACHMENT #1

### ASB-16 - 17A-D

The RIDOH-licensed Asbestos Contractor will comply with applicable sections of RIDOH Rules and Regulations for Asbestos Control [R23-24.5-ASB].

### Item No. 17A During Abatement Air Sampling

Area air samples shall be collected using 25-mm conductive cassettes with a 50-mm cowl extension containing a 0.8  $\mu$ m pore or a 0.45  $\mu$ m pore size Mixed Cellulose Ester (MCE) filter. Sample collection and analysis will be by Phase Contrast Microscopy (PCM) in accordance with the NIOSH 7400 method. The number and location of samples taken per day will be determined by the on-site Industrial Hygienist (IH). <u>At least one PCM air sample will be collected outside each work area during each day of abatement by on-site IH/Project Monitor.</u>

### Item No. 17B Indoor Non-Occupational Air Exposure Standards during Abatement

Air samples collected outside of work areas during asbestos removal that exceed exposure standard of 0.01 fibers per cubic centimeter (f/cc) will result in work stoppage. Investigate and determine reason for elevated airborne fiber levels. Inspect containment and critical barriers in the area outside containment where counts exceeded the standard. Perform smoke testing if needed to determine locations of containment breach. Repair any tears or improperly sealed flaps or seams.

If visible emissions or debris is observed or contamination suspected outside negative pressure enclosures the Asbestos Contractor will then be responsible for extending the negative pressure enclosure to include the contaminated area in accordance with regulatory and on-site IH requirements. The contaminated area will then be cleaned by the Asbestos Contractor at the Asbestos Contractor's own expense and final air clearance samples will be collected by the IH. These additional air samples will be collected and analyzed by PCM or TEM (Transmission Electron Microscopy, NIOSH method 7402) at the Asbestos Contractor's expense.

### Item No. 17C Final Clearance Air Samples

Upon completion of asbestos removal work, a final visual inspection will be conducted to document that all required abatement is complete and the area meets the "No Visible, Suspect Dust or Debris" criterion. The final air clearance samples will be collected and analyzed with results meeting the clearance standard of 0.01 f/cc. Final clearance air sample collection and analysis will be in accordance with RIDOH Regulation R23-24.5-ASB C1.3 and include at least one sample for each 500 linear/1,000 square feet (SF) of asbestos or portion thereof (up to 5,000 SF), plus one sample for each additional 5,000 SF or portion thereof, or one sample per room, whichever is greater. A minimum of two samples per clearance will be collected and analyzed. The collection and analysis of all samples will be in accordance with NIOSH 7400 Method and include utilizing aggressive air sampling techniques to obtain a minimum volume of 1,199 liters.

### Item No. 17D Indoor Non-Occupational Air Exposure Standards during Clearance

If the Indoor Non-Occupational Exposure Standard for asbestos is exceeded for the final clearance air sample results, the work area will be re-cleaned using wet-wiping and cleaning with HEPA-filter equipped vacuums per RIDOH Regulation B.8.2 (h). Final air clearance samples will be re-collected to determine if the total airborne fiber concentrations are below the OSHA re-occupancy standard. This process of re-cleaning and resampling will be repeated until the clearance air samples meet the regulatory requirements. All re-cleaning, resampling and analysis costs will be paid for by the Asbestos Contractor. The Asbestos Contractor may elect to have failed PCM clearance air sample re-analyzed by TEM NIOSH method 7402 (6-hour laboratory turnaround time) at the Asbestos Contractor's own expense if clearance air samples by PCM fail due to suspected non-asbestos fibers.

### ATTACHMENT #2

### ASB-16A - 2

### Scope of Work:

The following Client designated Suspect Asbestos Materials were identified as likely to be impacted the intended scope-of-work and sampled for laboratory analysis.

The sample results are summarized in **Table 1** below. Homogeneous materials found to be Asbestos-Containing Materials, i.e. contain >1% asbestos (ACM) are highlighted in yellow. Homogeneous materials found to be Asbestos-Containing Waste Materials, i.e. contain  $\leq$ 1% asbestos (ACWM) are highlighted in green.

	Table 1 - Work Order #2102-02463					
T	G	Suspect Materials - Laboratory Analytica	I Data Summary	A		
Line #	Sample #	Material	Location Sampled	Asbestos Result		
1	01A	Grout (Gray) between 2"x2" CFT (Cream)	Restroom 0280	Not Detected		
2	02A	Glue Paper (Black) under 01A on 03A	Restroom 0280	Not Detected		
3	03A	Glue (Yellow) under 02A on concrete	Restroom 0280	Not Detected		
4	04A	Caulk (Gray) between metal door frame & CMU block wall	Restroom 0280	Not Detected		
5	05A	Plaster Skim Coat (White) at ceiling	Restroom 0082	Not Detected		
6	06A	Plaster Base Coat (Gray) under 05A on wire lathe	Restroom 0082	Not Detected		
7	07A	2'x2' SAT (White) fissured	Restroom 0082	Not Detected		
8	07B	2'x2' SAT (White) fissured	Restroom 0082	Not Detected		
9	01B	Grout (Gray) between 2"x2" CFT (cream)	Restroom 0084	Not Detected		
10	08A	Setbed (Lt Gray) under 01B on concrete	Restroom 0084	Not Detected		
11	09A	Caulk (White) between ceramic sink & CMU block wall	Restroom 0042	Not Detected		
12	05B	Plaster Skim Coat (White) at ceiling	Restroom 1008	Not Detected		
13	06B	Plaster Base Coat (Gray) under 05B on wire lathe	Restroom 1008	Not Detected		
14	02B	Glue Paper (Black) under HM 01 on HM 08	Restroom 1008	Not Detected		
15	08B	Setbed (Lt Gray) under 02B on concrete	Restroom 1008	Not Detected		
16	08C	Setbed (Lt Gray) under HM 01 on concrete	Restroom 1102	Not Detected		
17	09B	Caulk (White) between ceramic sink & CMU block wall	Restroom 1144	Not Detected		
18	10A	Caulk (White) between metal door frame & CMU block wall	Restroom 1146	Not Detected		
19	11A	4" VCB (Tan) on 12A on GB	Restroom/Storage 1160	Not Detected		
20	12A	Glue (Beige) under 11A on GB wall	Restroom/Storage 1160	Not Detected		
21	08H	Setbed (Lt Gray) under HM 01 on concrete	Restroom/Storage 1160	Not Detected		
22	16A	Joint Compound (White) on GB under 08H	Restroom/Storage 1160	Not Detected		
23	16B	Joint Compound (White) on GB at corner near toilet	Restroom/Storage 1160	Not Detected		
24	16C	Joint Compound (White) on GB above SAT	Restroom/Storage 1160	Not Detected		
25	17A	2'x2' SAT (White) rough texture	Restroom/Storage 1160	Not Detected		
26	17B	2'x2' SAT (White) rough texture	Restroom/Storage 1160	Not Detected		
27	18A	Gypsum Wallboard above SAT	Restroom/Storage 1160	Not Detected		
28	04B	Caulk (Gray) between metal door frame & CMU block wall	Restroom 2134	Not Detected		
29	05C	Plaster Skim Coat (White) at ceiling	Restroom 2133	Not Detected		
30	06C	Plaster Base Coat (Gray) under 05C on wire lathe	Restroom 2133	Not Detected		
31	08D	Setbed (Lt Gray) under HM 01 on concrete	Restroom 2105	Not Detected		
32	04C	Caulk (Gray) between metal door frame & CMU block wall	Restroom 2143	Not Detected		
33	08E	Setbed (Lt Gray) under HM 01 on concrete	Restroom 3008	Not Detected		
34	05D	Plaster Skim Coat (White) at ceiling	Restroom 3302	Not Detected		
35	06D	Plaster Base Coat (Gray) under 05D on wire lathe	Restroom 3302	Not Detected		
36	05E	Plaster Skim Coat (White) at ceiling	Restroom 3125	Not Detected		
37	06E	Plaster Base Coat (Gray) under 05E on wire lathe	Restroom 3125	Not Detected		

	Table 1 - Work Order #2102-02463 Suspect Materials - Laboratory Analytical Data Summary					
Line #	Sample #	Material	Location Sampled	Asbestos Result		
38	08F	Setbed (Lt Gray) under HM 01 on concrete	Restroom 3109	Not Detected		
39	21A	Joint Compound (White) on GB soffit corner	Restroom 3103	Not Detected		
40	22A	Gypsum Board ceiling soffit	Restroom 3103	Not Detected		
41	19A	2'x2' SAT (White) pin dot pattern	Restroom 3103	Not Detected		
42	19B	2'x2' SAT (White) pin dot pattern	Restroom 3101	Not Detected		
43	21B	Joint Compound (White) on GB soffit corner	Restroom 3101	Not Detected		
44	20A	Glue (Yellow) under laminate countertop (red) on wood	Restroom 3103	Not Detected		
45	20B	Glue (Yellow) under laminate countertop (red) on wood	Restroom 3101	Not Detected		
46	21C	Joint Compound (White) on GB soffit corner	Restroom 4088	Not Detected		
47	22B	Gypsum Board ceiling soffit	Restroom 4088	Not Detected		
48	23A	Grout (Gray) between 2"x2" CFT (tan w/ dots)	Restroom 4089	Not Detected		
49	24A	Glue (Yellow) under 23A	Restroom 4089	Not Detected		
50	25A	Setbed (Gray) under 24A on concrete	Restroom 4089	Not Detected		
51	23B	Grout (Gray) between 2"x2" CFT (tan w/ dots)	Restroom 4088	Not Detected		
52	24B	Glue (Yellow) under 23B	Restroom 4088	Not Detected		
53	25B	Setbed (Gray) under 24B on concrete	Restroom 4088	Not Detected		
54	05F	Plaster Skim Coat (White) at ceiling	Restroom 06222	Not Detected		
55	06F	Plaster Base Coat (Gray) under 05F on wire lathe	Restroom 06222	Not Detected		
56	08G	Setbed (Lt Gray) under HM 01 on concrete	Restroom 6128	Not Detected		
57	10B	Caulk (White) between metal door frame & CMU block wall	Restroom 6078	Not Detected		
58	25C	Setbed (Gray) under HM 24 on concrete	Restroom 6076	Not Detected		
59	05G	Plaster Skim Coat (White) at ceiling	Restroom 4580	Not Detected		
60	06G	Plaster Base Coat (Gray) under 05G on wire lathe	Restroom 4580	Not Detected		
61	21D	Joint Compound (White) on GB Wall	Restroom 2544	Not Detected		
62	26A	Grout (White) between 4"x4" CWT (White)	Restroom 2544	Not Detected		
63	27A	Setbed (White) under HM 26 on GB Wall	Restroom 2544	Not Detected		
64	26B	Grout (White) between 4"x4" CWT (White)	Restroom 1546	Not Detected		
65	27B	Setbed (White) under HM 26 on GB Wall	Restroom 1546	Not Detected		
66	11B	4" VCB (Tan) on 12B on GB	Restroom/Storage 1160	Not Detected		
67	12B	Glue (Beige) under 11B on GB wall	Restroom/Storage 1160	Not Detected		
68	03B	Glue (Yellow) under HM 01 & HM 02 on concrete	Restroom 0280	Not Detected		
69	28A	Firestop (Red) at pipe penetration in CMU block wall	Restroom 0556	Not Detected		
70	28B	Firestop (Red) at pipe penetration in CMU block wall	Restroom 0564	Not Detected		
71	29A	Paper (Tan) in metal toilet partition	FH, 1st Floor, Men's Locker Rm	Not Detected		
72	29B	Paper (Tan) in metal toilet partition	FH, 1st Floor, Men's Locker Rm	Not Detected		
73	30A	Fireproofing (White) Spray-on on I-beams, above toilets	FH, 1st Floor, Men's Locker Rm	Not Detected		
74	31A	Duct Seam Tape (Tan) painted white	FH, 1st Floor, Men's Locker Rm	Not Detected		
75	32A	4" VCB (Brown) on HM 33 on concrete, under lockers	FH, 1st Floor, Men's Locker Rm	Not Detected		
76	32B	4" VCB (Brown) on HM 33 on CMU block wall, near showers	FH, 1st Floor, Men's Locker Rm	Not Detected		
77	33A	Glue (Brown) under 32A on concrete	FH, 1st Floor, Men's Locker Rm	Not Detected		
78	33B	Glue (Brown) under 32B on CMU block wall	FH, 1st Floor, Men's Locker Rm	Not Detected		
79	34A	Grout (White) between 1"x1" CFT (Off-White)	FH, 1st Floor, Men's Locker Rm	Not Detected		
80	35A	Setbed (Gray) under 34A on concrete	FH, 1st Floor, Men's Locker Rm	Not Detected		
01	04D	Caulk (Gray) between metal door frame & CMU block	FH, 1st Floor, Men's Locker	1-5%		
01	04D	wall	Rm.	Chrysotile		
82	34B	Grout (White) between 1"x1" CFT (Off-White)	FH, Gr Floor, Ladies Locker Rm	Not Detected		
83	35B	Setbed (Gray) under 34B on concrete	FH, Gr Floor, Ladies Locker Rm	Not Detected		
84	37A	Caulk (Cream) between CFT and CMU block wall	FH, Gr Floor, Ladies Locker Rm	Not Detected		
85	37B	Caulk (Cream) between CFT and CMU block wall	FH, Gr Floor, Ladies Locker Rm	Not Detected		
86	30B	Fireproofing (White) Spray-on on I-beams, above toilets	FH, Gr Floor, Ladies Locker Rm	Not Detected		

	Table 1 - Work Order #2102-02463Suspect Materials - Laboratory Analytical Data Summary								
Line #	Sample #	Material	Location Sampled	Asbestos Result					
87	38A	12"x12" VFT (Off-White w/ Black Streaks)		5-15% Chrysotile					
88	38B	12"x12" VFT (Off-White w/ Black Streaks)	FH, Gr Floor, Men's Locker	5-15% Chrysotile					
<mark>89</mark>	39A	Mastic (Black) under HM 38 on concrete	<b>Rm.</b> [These Suspect Materials were	5-15% Chrysotile					
90	39B	Mastic (Black) under HM 38 on concrete	found only in this one room]	5-15% Chrysotile					
91	<b>39</b> C	Mastic (Black) under HM 38 on concrete		5-15% Chrysotile					

Utilizing the EPA, OSHA, and RIDOH protocols and criteria, laboratory analyses identified homogeneous materials noted in **Table 2** below as ACM. Allowances for hidden pipe and pipe fitting insulation and hidden vapor barriers in bathroom floors are included. Quantities listed are estimates only.

 Table 2 below summarizes the ACM and ACWM identified that are to be removed. Refer to Notes below.

	Table 2 – ACM and Assumed ACM Inventory Summary							
Table 1 Line #	HM #	Material Type	ACM/Assumed Location	Sample # Asbestos Content	Condition	Estimated Quantity		
81	OtherCaulk (gray) between metal door frame & CMU block wallIdentified as ACM in the Field House, 1st Floor, Men's Locker Room and assumed by definition of Homogeneous Materials to be the same04Image: Comparison of the same		04D	(I)(NF)	<b>6¼ SF</b> [Bead of caulk 20 LF x ¼" on each side of			
		be verified by sampling each doorframe to be impacted prior to commencement of work]	material at all doorframes to be impacted.	1-5% Chrysotile		approx. 15 doorframes]		
07.00	20	8 12"x12" VFT (Off-White w/ Black Streaks)		38A, 38B				
87,88	38		Field House, 1 <sup>st</sup> Floor, Men's	5-15% Chrysofile	(I)(NF)			
00 00		Mastia (Black) under HM 29	Locker Room	<b>39A, 39B, 39C</b>		90 SF		
99, 90, 91	39	on concrete		5-15% Chrysotile	(I)(NF)			
N/A		ACM pipe and pipe fitting insulation	Allowance for hidden such materials	Assumed	Unknown	300 LF		
N/A		Vapor barrier under concrete floors in bathrooms	Allowance for hidden such materials	Assumed	Unknown	200 SF		

 $HM = Homogenous Material; F = Friable^1; NF = Non-Friable; I = Intact; D = Damaged (i.e. <10% of the material is damaged); SD = Significantly Damaged (i.e. >10% of the material is damaged); EA = Each; LF = Linear Feet; SF = Square Feet; CF = Cubic Feet$ 

The Asbestos Abatement Plan application fee is waived for Rhode Island State Agencies including CCRI.

<sup>&</sup>lt;sup>1</sup> Friable = Material that, when dry, can be crumbled, shattered, pulverized or reduced to powder by hand pressure

### **General Notes:**

- 1. Quantities are approximate it is the contractor's responsibility to verify quantities as well as site conditions.
- 2. Refer to Owner's Contract Documents including bid forms, drawings and specifications the strictest interpretation of all documents and regulations shall apply where conflicts in the documents arise. The Contractor will comply with the Owner's Contract Documents including drawings.
- 3. ACM not shown as friable that may become friable during the work must be considered as friable.
- 4. The Asbestos Contractor shall attend one (1) pre-construction meeting with the Owner's Representative and Industrial Hygienist(IH)/Project Monitor at least 2 weeks prior to commencement of abatement work. At that meeting, the Asbestos Contractor shall provide copies of the EPA and RIDOH 10-working day notifications for the project.
- 5. The Owner/Owner's Representative will contract with a Project Monitor company to complete abatement monitoring including review of abatement contractor procedures, post-abatement visual inspections, and closeout documents.
- 6. The Asbestos Contractor shall immediately comply and abide by all directives and stop work orders from Owner, Owner's representative, or on-site IH/Project Monitor without prejudice and at no cost to Owner, Owner's representative, or on-site IH/Project Monitor.
- 7. Remove and dispose of ACM identified in the abatement plan in accordance with all applicable federal, state, and local rules and regulations including EPA, OSHA, RIDEM, and RIDOH rules and regulations.
- 8. All workers are to use protective clothing and respiratory protection as well as comply with all OSHA regulations. It is the Contractor's responsibility to correctly select personnel protective equipment and respiratory protection and implement medical surveillance for all hazardous materials likely to be encountered.
- 9. The Asbestos Contractor is responsible for all regulatory (including OSHA) compliance for all hazardous materials, including regulations related to disturbing paint that may contain lead. The Owner, its sub-consultants and their agents and sub-contractors are not responsible for the Asbestos Contractor's means and methods and regulatory compliance.
- 10. The Contractor shall conduct daily OSHA STEL and PEL personnel air monitoring of asbestos abatement workers to demonstrate compliance with the provisions of OSHA 29 CFR, Part 1926.1101. The on-site Industrial Hygienist (IH) will conduct periodic Phase Contrast Microscopy (PCM) air testing (NIOSH 7400 method) at representative interior areas adjacent to and outside of interior containment work areas during the abatement work.
- 11. Install barriers in a manner to avoid damage to finishes and surfaces. Pre-clean (prior to barrier installation) and post clean (after barrier removal) work areas. The Asbestos Contractor will ensure that no building components or equipment are damaged by the Asbestos Contractor's work methods.
- 12. Unless otherwise directed by the Owner's Representative or IH/Project Monitor, critical barriers shall comprise a wood stud frame wall with outside <sup>1</sup>/<sub>4</sub>" smooth plywood or hardboard sheeting installed from the floor up to the ceiling and covered on the interior side (abatement work side) with 2 layers of 6-mil polyethylene (poly) sheeting, with gaps sealed with foam, spray adhesive, and plastic.

- 13. Water, power, and drains will be provided by Owner. GFCI cords and panels, hoses, and shut off valves are to be provided by the Asbestos Contractor.
- 14. <u>Decontamination Facility (Decon)</u> 3-stage decon with hot and cold water showers, 5 μm final waste water filter with pump activated by float switch, and disposable towels shall be used for the work. The decon shall be maintained clean, neat, and free of stored items, except for supplies of disposable towels and waste receptacles, at all times.
- 15. The Asbestos Contractor will use an opaque encapsulant and/or add dye to the encapsulant, if requested by the Owner's Representative, at no extra cost. <u>The encapsulant product data sheet shall</u> <u>be provided to the Owner for approval of compatibility with the new and existing finishes, materials and building components</u>. A bridging encapsulant shall be used if requested by the Owner at no additional cost.
- 16. The Contractor shall designate 1 (one) Asbestos Abatement Supervisor for the project that shall be licensed by, and in good standing with, the RIDOH. The Asbestos Abatement Supervisor shall have a minimum of 5 (five) years of experience as an Asbestos Abatement Supervisor without violations, citations, or legal judgments. The Asbestos Abatement Supervisor shall attend pre-construction meetings as required by Owner. The designated Asbestos Abatement Supervisor shall be on site at all times during the work. The Asbestos Contractor shall maintain a RIDOH-licensed Asbestos Abatement Worker outside regulated areas at all times during work. The Owner reserves the right to immediately dismiss any Asbestos Contractor employee from the site for any reason whatsoever.
- 17. The Asbestos Contractor will ensure that no water escapes work areas and leaks into adjacent non-work areas. All water shall be turned off and disconnected at the sources at the end of each work shift and verified as not leaking. The Asbestos Contractor is responsible for water damage as a result of their equipment and failure to monitor or shut off the water.
- 18. The Asbestos Contractor shall post signs on all exterior doors to the building identifying the locations and nature of the work in accordance with RIDOH regulations (Subparagraph B.8.2 (g)).
- 19. The Asbestos Contractor shall coordinate work with Owner's Representative, General Contractor, and other trades to ensure work areas are not disturbed and the integrity of the building is maintained and protected from weather and unauthorized entry.
- 20. <u>High-Efficiency Particulate Air (HEPA) Unit Exhausts</u> 6- or 8-mil poly factory-made 12" diameter tubing with no joins or tees, secured through plywood with 12" diameter holes at Owner-provided location directly to the exterior and away from air intakes or ingestion pathways. Verify HEPA units are in good working order with 3 filters (course, fine, and HEPA) securely in place with gaskets and no gaps between metal exhaust tube mounting collar and unit housing. HEPA unit exhausts that pass through interior building areas outside of regulated areas prior to exiting to the exterior shall consist of double, 6-mil poly tubing. The Asbestos Contractor shall remove any bars or screens on windows where HEPA units exhaust and replace them after completion of the work in the same manner they were originally fastened.
- 21. Work area setups, decon locations, and HEPA unit quantities and locations are schematic only and site conditions, availability of water, power, and drains, as well as scheduling and other requirements may require modifications to be made Modifications shall be reviewed in advance with the IH.

- 22. Costs associated with amendments to the RIDOH-approved Asbestos Abatement Plan and notification revisions to RIDOH and EPA and any associated delays are the responsibility of the Asbestos Contractor.
- 23. Phasing/scheduling of the work shall meet Owner requirements.
- 24. Maintain negative 0.020" water pressure differential inside work containment areas relative to outside.
- 25. Keep one spare HEPA-filtered work area ventilation unit inside each negative pressure enclosure as a spare in case a unit fails or additional negative pressure is needed, in addition to sufficient units to maintain 4 air changes per hour at -0.020" water column containment differential pressure with good airflow throughout interior work areas.
- 26. The Asbestos Contractor shall clean and protect fire-suppression system heads and piping. The asbestos Contractor is responsible for damage to the fire-suppression system and any associated damage to building materials and contents caused by said damage.
- 27. Protect all wiring (electrical, communication, fire, alarm, etc.). Lock out and tag out as required for safety, regulatory compliance, and Owner's requirements. The Asbestos Contractor shall protect all exit signs, thermostats, fire system boxes, fire pull boxes, electrical junction boxes and associated conduit, and other electrical components that are in the work areas prior to commencement of abatement work. The Contractor is responsible for damage to these items.
- 28. Clean and protect all other buildings systems, components, piping, and work area contents. Clean and protect light fixtures decontaminate as necessary.
- 29. The Asbestos Contractor will clean by HEPA vacuuming and damp wiping with amended water and move any free-standing and stored items in the way of abatement activities into adjacent non-work areas prior to commencement of setup.
- 30. The Asbestos Contractor shall provide a copy of all permits and notifications to the Owner and IH at the time of submission to applicable agencies, including EPA and RIDOH. No work or preparation for work shall be undertaken prior to receipt of these permits and notifications.

# ATTACHMENT #3

Bulk Sample Asbestos Laboratory Analytical Report and Chain-of-Custody Form(s)



#### Page 1 of 21

### LABORATORY REPORT

R.I. Analytical Laboratories Attn: E.A.M. Division 15 Lark Industrial Parkway Smithfield, RI 02828 
 Date Received:
 2/11/2021

 Date Reported:
 2/17/2021

 Work Order #:
 2102-02463

Site Location: PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

Analysis by Polarized Light Microscopy (PLM) was performed in accordance with EPA 40 CFR Appendix E to Subpart E of Part 763 and/or EPA 600/R-93/116.

R.I. Analytical Laboratories, Inc. maintains bulk asbestos fiber NVLAP accreditation under Lab Code 101440-0. This report does not serve as a product certification, approval, and/or endorsement by NVLAP, NIST, or any federal agency.

The sample(s) submitted for analysis were accepted by R.I. Analytical unless otherwise noted in the report. If a sample is found to be inhomogeneous, individual components will be analyzed separately. If individual components cannot be separated, the sample will be homogenized and a single result will be provided. These results only pertain to the samples submitted for this Work Order # and this report shall not be reproduced except in its entirety.

Samples submitted for analysis will be retained for three months for future reference.

We certify that the following results are true and accurate to the best of our knowledge. If you have questions or need further assistance, please contact our Customer Service Department.

Approved by:

Frie Nept

Asbestos Signatory

www.rianalytical.com

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	E SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS</b> /	UNITS	ANALYZED	ANALYST
001	01A GROUT (GRAY) BETWEEN 2"x2" CFT (CREAM)	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
002	02A GLUE PAPER (BLACK) UNDER 01A ON 03A	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Black		2/17/2021	KMG
003	03A GLUE (YELLOW) UNDER 02A ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG
004	04A CAULK (GRAY) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis				
	AND CMU BLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
005	05A PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
006	06A PLASTER BASE COAT (GRAY) UNDER 05A ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
007	07A 2'x2' SAT (WHITE) FISSURED	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Cellulose	50-70	%	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	15-25	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
008	07B 2'x2' SAT (WHITE) FISSURED	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Cellulose	50-70	%	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	15-25	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
009	01B GROUT (GRAY) BETWEEN 2"x2" CFT (CREAM)	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
010	08A SETBED (LT GRAY) UNDER 01B ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
011	09A CAULK (WHITE) BETWEEN CERAMIC SINK &	PLM Fiber Analysis				
	CMU BLOCK WALL	Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS / U</b>	JNITS	ANALYZED	ANALYST
012	05B PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
013	06B PLASTER BASE COAT (GRAY) UNDER 05B ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
014	02B GLUE PAPER (BLACK) UNDER HM 01 ON HM 08	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Black		2/17/2021	KMG
015	08B SETBED (LT GRAY) UNDER 02B ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
016	08C SETBED (LT GRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
017	09B CAULK (WHITE) BETWEEN CERAMIC SINK & CMU	PLM Fiber Analysis				
	BLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE	DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS / UNI</b>	TS ANALYZED	ANALYST
018	10A CAULK (WHITE) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis			
	& CMU BLOCK WALL	Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	White	2/17/2021	KMG
019	11A 4" VCB (TAN) ON 12A ON GB	PLM Fiber Analysis			
		Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	Tan	2/17/2021	KMG
020	12A GLUE (BEIGE) UNDER 11A ON GB WALL	PLM Fiber Analysis			
		Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	Beige	2/17/2021	KMG
021	08H SETBED (LT gRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis			
		Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	Gray	2/17/2021	KMG
022	16A JOINT COMPOUND (WHITE) ON GB UNDER 08H	PLM Fiber Analysis			
		Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	White	2/17/2021	KMG
023	16B JOINT COMPOUND (WHITE) ON BG AT CORNER	PLM Fiber Analysis			
	NEAR TOILET	Asbestos	Not Detected	2/17/2021	KMG
		Non-fibrous	100 %	2/17/2021	KMG
		Sample Color	White	2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
024	16C JOINT COMPOUND (WHITE) ON GB ABOVE SAT	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
025	17A 2'x2' SAT (WHITE) ROUGH TEXTURE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	30-40	%	2/17/2021	KMG
		Glass Fiber	30-40	%	2/17/2021	KMG
		Non-fibrous	20-40	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
026	17B 2'x2' SAT (WHITE) ROUGH TEXTURE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	30-40	%	2/17/2021	KMG
		Glass Fiber	30-40	%	2/17/2021	KMG
		Non-fibrous	20-40	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
027	18A GYPSUM WALLBOARD ABOVE SAT	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	5-15	%	2/17/2021	KMG
		Glass Fiber	1-5	%	2/17/2021	KMG
		Non-fibrous	85-90	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
028	04B CAULK (GRAY) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis				
	& CMU BLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	E SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS /	UNITS	ANALYZED	ANALYST
029	05C PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
030	06C PLASTER BASE COAT (GRAY) UNDER 058C ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
031	08D SETBED (LT GRAY) UNDER HM01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
032	04C CAULK (GRAY) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis				
	& CMURLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
033	08E SETBED (LT GRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
034	05D PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
035	06D PLASTER BASE COAT (GRAY) UNDER 05D ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected	I	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
036	05E PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
037	06E PLASTER BASE COAT (GRAY) UNDER 05E ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected	I	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
038	08F SETBED (LT GRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
039	21A JOINT COMPOUND (WHITE) ON GB SOFFIT	PLM Fiber Analysis				
	CORNER	Asbestos	Not Detected	l	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
040	22A GYPSUM BOARD CEILING SOFFIT	PLM Fiber Analysis				
		Asbestos	Not Detected	l	2/17/2021	KMG
		Cellulose	1-5	%	2/17/2021	KMG
		Non-fibrous	95-99	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS	/ UNITS	ANALYZED	ANALYST
041	19A 2'x2' SAT (WHITE) PIN DOT PATTERN	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	50-70	%	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	15-45	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
042	19B 2'x2' SAT (WHITE) PIN DOT PATTERN	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Cellulose	50-70	%	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	15-45	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
043	21B JOINT COMPOUND (WHITE) ON GB SOFFIT	PLM Fiber Analysis				
	CORNER	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
044	20A GLUE (YELLOW) UNDER LAMINATE	PLM Fiber Analysis				
	COUNTERTOP (RED) ON WOOD	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG
045	20B GLUE (YELLOW) UNDER LAMINATE	PLM Fiber Analysis				
	COUNTERTOP (RED) ON WOOD	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG

 R.I. Analytical Laboratories

 Date Received:
 2/11/2021

 Work Order #:
 2102-02463

 Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

#### SAMPLE SAMPLE SAMPLE DATE DESCRIPTION PARAMETER NO. ANALYST **RESULTS / UNITS** ANALYZED 046 PLM Fiber Analysis 21C JOINT COMPOUND (WHITE) ON GB SOFFIT CORNER Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color White 2/17/2021 KMG 047 22B GYPSUM BOARD CEILING SOFFIT PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG Cellulose 5-15 % 2/17/2021 KMG Glass Fiber 1-5 % 2/17/2021 KMG 85-90 % 2/17/2021 KMG Non-fibrous 2/17/2021 Sample Color KMG Gray 048 PLM Fiber Analysis 23A GROUT (GRAY) BETWEEN 2"x2" CFT (TAN W/ DOTS) Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color Gray 2/17/2021 KMG 049 24A GLUE (YELLOW) UNDER 23A PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color Yellow 2/17/2021 KMG 050 25A SETBED (GRAY) UNDER 24A ON CONCRETE PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG % 2/17/2021 Non-fibrous 100 KMG Sample Color Yellow 2/17/2021 KMG 051 23B GROUT (GRAY) BETWEEN 2"x2" CFT (TAN PLM Fiber Analysis W/DOTS) Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color 2/17/2021 KMG Gray

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	RESULTS / U	NITS	ANALYZED	ANALYST
052	24B GLUE (YELLOW) UNDER 23B	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG
053	25B SETBED (GRAY) UNDER 24B ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
054	05F PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
055	06F PLASTER BASE COAT (GRAY) UNDER 05F ON WIRE	PLM Fiber Analysis				
	LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
056	08G SETBED (LT GRAY) UNDER HM 01 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
057	10B CAULK (WHITE) BETWEEN METAL DOOR FRAME	PLM Fiber Analysis				
	& CMU BLOCK WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE	E SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS /</b>	UNITS	ANALYZED	ANALYST
058	25C SETBED (GRAY) UNDER HM 24 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
059	05G PLASTER SKIM COAT (WHITE) AT CEILING	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
060	06G PL;ASTER BASE COAT (GRAY) UNDER 05G ON	PLM Fiber Analysis				
	WIRE LATHE	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
061	21D JOINT COMPOUND (WHITE) ON GB WALL	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
062	26A GROUT (WHITE) BETWEEN 4"x4" CWT (WHITE)	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
063	27A SETBED (WHITE) UNDER HM26 ON GB WALL	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

<b>SAMPLE</b> <b>NO.</b> 064	E SAMPLE		SAMPLE RESULTS / UNITS		DATE	ANALYST
	DESCRIPTION	PARAMETER			ANALYZED	
	26B GROUT (WHITE) BETWEEN 4"x4" CWT (WHITE)	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
065	27B SETBED (WHITE) UNDER HM 26 ON GB WALL	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
066	11B 4" VCB (TAN) ON 12B ON GB	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Tan		2/17/2021	KMG
067	12B GLUE (BEIGE) UNDER 11B ON GB WALL	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Beige		2/17/2021	KMG
068	03B GLUE (YELLOW) UNDER HM 01 & HM 02 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Yellow		2/17/2021	KMG
069	28A FIRESTOP (RED) AT PIPE PENETRATION IN CMU BLOCK WALL	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Red		2/17/2021	KMG

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE NO.	E SAMPLE DESCRIPTION		SAMPLE RESULTS / UNITS		DATE	ANALYST
		PARAMETER			ANALYZED	
070	28B FIRESTOP (RED) AT PIPE PENETRATION IN CMU	PLM Fiber Analysis				
	BLOCK WALL	Asbestos	Not Detected	1	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Red		2/17/2021	KMG
071	29A PAPER (TAN) IN METAL TOILET PARTITION	PLM Fiber Analysis				
		Asbestos	Not Detected	1	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Tan		2/17/2021	KMG
072	29B PAPER (TAN) IN METAL TOILET PARTITION	PLM Fiber Analysis				
		Asbestos	Not Detected	1	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Tan		2/17/2021	KMG
073	30A FIREPROOFING (WHITE) SPRAY-ON ON I-BEAMS, PLM Fiber A					
	ABOVE TOILETS	Asbestos	Not Detected	1	2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
074	31A DUCT SEAM TAPE (TAN) PAINTED WHITE	PLM Fiber Analysis				
		Asbestos	Not Detected	1	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Tan		2/17/2021	KMG
075	32A 4" VCB (BROWN) ON HM 33 ON CONCRETE,	PLM Fiber Analysis				
	UNDER LOCKERS	Asbestos	Not Detected	1	2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Brown		2/17/2021	KMG

2/17/2021

KMG

### R.I. Analytical Laboratories, Inc LABORATORY REPORT

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

#### SAMPLE SAMPLE SAMPLE DATE DESCRIPTION PARAMETER NO. **RESULTS / UNITS** ANALYZED ANALYST 076 PLM Fiber Analysis 32B 4" VCB (BROWN) ON HM 33 ON CMU BLOCK WALL NEAR SHOWERS Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color Brown 2/17/2021 KMG 077 33A GLUE (BROWN) UNDER 32A ON CONCRETE PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG Other 1-5 % 2/17/2021 KMG Non-fibrous 95-99 % 2/17/2021 KMG 2/17/2021 Sample Color KMG Brown 078 33BGLUE (BROWN) UNDER 32B ON CMU BLOCK WALL PLM Fiber Analysis 2/17/2021 KMG Asbestos Not Detected Other % 2/17/2021 KMG 1-5 Non-fibrous 95-99 % 2/17/2021 KMG Sample Color Brown 2/17/2021 KMG 079 PLM Fiber Analysis 34A GROUT (WHITE) BETWEEN 1"x1" CFT (OFF-WHITE) Asbestos Not Detected 2/17/2021 KMG Non-fibrous 100 % 2/17/2021 KMG Sample Color White 2/17/2021 KMG 080 35A SETBED (GRAY) UNDER 34A ON CONCRETE PLM Fiber Analysis Asbestos Not Detected 2/17/2021 KMG % Non-fibrous 100 2/17/2021 KMG Sample Color 2/17/2021 KMG Gray 081 04D CAULK (GRAY) ETWEEN METAL DOOR FRAME & PLM Fiber Analysis CMU BLOCK WALL Asbestos Detected 2/17/2021 KMG % 1-5 2/17/2021 Chrysotile KMG Non-fibrous 95-99 % 2/17/2021 KMG

Sample Color

Gray

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

SAMPLE NO.	SAMPLE		SAMPLE RESULTS / UNITS		DATE	
	DESCRIPTION	PARAMETER			ANALYZED	ANALYST
082	34B GROUT (WHITE) BETWEEN 1"x1" CFT (OFF	PLM Fiber Analysis				
	WHITE)	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
083	35B SETBED (GRAY) UNDER 34B ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Gray		2/17/2021	KMG
084	37A CAULK (CREAM) BETWEEN CFT AND CMU BLOCK	PLM Fiber Analysis				
	WALL	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Beige		2/17/2021	KMG
085	37B CAULK (CREAM) BETWEEN CFT AND CMU BLOCK	PLM Fiber Analysis				
	WALL.	Asbestos	Not Detected		2/17/2021	KMG
		Non-fibrous	100	%	2/17/2021	KMG
		Sample Color	Beige		2/17/2021	KMG
086	30B FIREPROOFING (WHITE) SPRAY-ON ON I-BEAMS, ABOVE TOILET	PLM Fiber Analysis				
		Asbestos	Not Detected		2/17/2021	KMG
		Glass Fiber	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
087	38A 12"x12" VFT (OFF-WHITE WITH BLACK STREAKS)	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
# R.I. Analytical Laboratories, Inc LABORATORY REPORT

R.I. Analytical LaboratoriesDate Received:2/11/2021Work Order #:2102-02463Site Location:PROJECT #2020107 CCRI KNIGHT CAMPUS MAIN BUILDING

### METHOD: EPA 600/R-93/116

SAMPLE	SAMPLE		SAMPLE		DATE	
NO.	DESCRIPTION	PARAMETER	<b>RESULTS</b> / V	UNITS	ANALYZED	ANALYST
088	38B 12"x12" VFT (OFF WHITE WITH BLACK STREAKS)	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
089	39A MASTIC (BLACK) UNDER HM 38 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	White		2/17/2021	KMG
090	39B MASTIC (BLACK) UNDER HM 38 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	Black		2/17/2021	KMG
091	39C MASTIC (BLACK) UNDER HM 38 ON CONCRETE	PLM Fiber Analysis				
		Asbestos	Detected		2/17/2021	KMG
		Chrysotile	5-15	%	2/17/2021	KMG
		Non-fibrous	85-95	%	2/17/2021	KMG
		Sample Color	Black		2/17/2021	KMG

PROJECT # 2020107 CCRI KNIGHT CAMPUS MAIN BUILDING AHARONIAN & ASSOCIATES 400 EAST AVE WARWICK, RI 02886

	Page 18	of 21	
<b>R.I. ANALYTICAL</b> 41 Illinois Avenue - Warwick, RI 02888 P: (401) 737-8500 F: (401) 732-8034	SAMPLE DATA S & CHAIN OF CUST	GHEET	
Project: CCRI Knight Campus, Main Bldg – Aharonian & Associates	Client Purchase Order #:		
Address: 400 East Ave, Warwick, RI 02886	RI Analytical EAM Project #: 2020107		
Sampled By (Name): Olivia Smaracko/Danny Mullen	RI Analytical Work Order#: 02-0	2463	
Sampled By (Certification #): AI01102/AI00963	Inspection Date: 2/10-2/11/21	Page 1 of <u>4</u>	

Line	Sample #	Description	Location	Notes
1	01A	Grout (Gray) between 2"x2" CFT (Cream)	Restroom 0280	
2	02A	Glue Paper (Black) under 01A on 03A	Restroom 0280	
3	03A	Glue (Yellow) under 02A on concrete	Restroom 0280	
4	04A	Caulk (Gray) between metal door frame & CMU block wall	Restroom 0280	
5	05A	Plaster Skim Coat (White) at ceiling	Restroom 0082	
6	06A	Plaster Base Coat (Gray) under 05A on wire lathe	Restroom 0082	
7	07A	2'x2' SAT (White) fissured	Restroom 0082	
8	07B	2'x2' SAT (White) fissured	Restroom 0082	
9	01B	Grout (Gray) between 2"x2" CFT (cream)	Restroom 0084	
10	08A	Setbed (Lt Gray) under 01B on concrete	Restroom 0084	
11	09A	Caulk ( White) between ceramic sink & CMU block wall	Restroom 0042	
12	05B	Plaster Skim Coat (White) at ceiling	Restroom 1008	
13	06B	Plaster Base Coat (Gray) under 05B on wire lathe	Restroom 1008	
14	02B	Glue Paper (Black) under HM 01 on HM 08	Restroom 1008	
15	08B	Setbed (Lt Gray) under 02B on concrete	Restroom 1008	
16	08C	Setbed (Lt Gray) under HM 01 on concrete	Restroom 1102	
17	09B	Caulk ( White) between ceramic sink & CMU block wall	Restroom 1144	
18	10A	Caulk (White) between metal door frame & CMU block wall	Restroom 1146	
19	11A	4" VCB (Tan) on 12A on GB	Restroom/Storage 1160	
20	12A	Glue (Beige) under 11A on GB wall	Restroom/Storage 1160	
21	08H	Setbed (Lt Gray) under HM 01 on concrete	Restroom/Storage 1160	
22	16A	Joint Compound (White) on GB under 08H	Restroom/Storage 1160	
23	16B	Joint Compound (White) on GB at corner near toilet	Restroom/Storage 1160	
24	16C	Joint Compound (White) on GB above SAT	Restroom/Storage 1160	
25	17A	2'x2' SAT (White) rough texture	Restroom/Storage 1160	
26	17B	2'x2' SAT (White) rough texture	Restroom/Storage 1160	

 COMMENTS: Email report to: Name:
 O. Smaracko & K.Davis
 ; Email to: osmaracko, kdavis & jjencks@rianalytical.com

 A. (1) Analysis = ⊠ PLM, Asbestos (EPA 600/R-93/116); ⊠ PLM NOB as needed; □
 \_\_\_\_\_\_ point count if friable and <10% ASB; □</td>
 TEM NOB

 (2) TAT = 3 days
 ; (3) No. samples submitted = \_91
 ; (4) □ Y or ⊠ N - Posittive stop, by Homogeneous # shown.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	DATE/TIME
(SIGNATURE) Olivia Smaracko	2/11/21 17:00	(SIGNATURE)	2/ [VIZ]
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME

Page 19 of 21			
<b>R.I. ANALYTICAL</b> 41 Illinois Avenue - Warwick, RI 02888 P: (401) 737-8500 F: (401) 732-8034	SAMPLE DATA SHEET & CHAIN OF CUSTODY		
Project: CCRI Knight Campus, Main Bldg – Aharonian & Associates	Client Purchase Order #:		
Address: 400 East Ave, Warwick, RI 02886	RI Analytical EAM Project #: 2020107		
Sampled By (Name): Olivia Smaracko/Danny Mullen	RI Analytical Work Order#: 02 - 02	2463	
Sampled By (Certification #): AI01102/AI00963	Inspection Date: 2/10-2/11/21	Page 2 of <u>4</u>	

Line	Sample #	Description	Location	Notes
27	18A	Gypsum Wallboard above SAT	Restroom/Storage 1160	
28	04B	Caulk (Gray) between metal door frame & CMU block wall	Restroom 2134	
29	05C	Plaster Skim Coat (White) at ceiling	Restroom 2133	
30	06C	Plaster Base Coat (Gray) under 05C on wire lathe	Restroom 2133	
31	08D	Setbed (Lt Gray) under HM 01 on concrete	Restroom 2105	
32	04C	Caulk (Gray) between metal door frame & CMU block wall	Restroom 2143	
33	08E	Setbed (Lt Gray) under HM 01 on concrete	Restroom 3008	
34	05D	Plaster Skim Coat (White) at ceiling	Restroom 3302	
35	06D	Plaster Base Coat (Gray) under 05D on wire lathe	Restroom 3302	
36	05E	Plaster Skim Coat (White) at ceiling	Restroom 3125	
37	06E	Plaster Base Coat (Gray) under 05E on wire lathe	Restroom 3125	
38	08F	Setbed (Lt Gray) under HM 01 on concrete	Restroom 3109	
39	21A	Joint Compound (White) on GB soffit corner	Restroom 3103	1999 Reno
40	22A	Gypsum Board ceiling soffit	Restroom 3103	1999 Reno
41	19A	2'x2' SAT (White) pin dot pattern	Restroom 3103	1999 Reno
42	19B	2'x2' SAT (White) pin dot pattern	Restroom 3101	1999 Reno
43	21B	Joint Compound (White) on GB soffit corner	Restroom 3101	1999 Reno
44	20A	Glue (Yellow) under laminate countertop (red) on wood	Restroom 3103	1999 Reno
45	20B	Glue (Yellow) under laminate countertop (red) on wood	Restroom 3101	1999 Reno
46	21C	Joint Compound (White) on GB soffit corner	Restroom 4088	1999 Reno
47	22B	Gypsum Board ceiling soffit	Restroom 4088	1999 Reno
48	23A	Grout (Gray) between 2"x2" CFT (tan w/ dots)	Restroom 4089	1999 Reno
49	24A	Glue (Yellow) under 23A	Restroom 4089	1999 Reno
50	25A	Setbed (Gray) under 24A on concrete	Restroom 4089	1999 Reno
51	23B	Grout (Gray) between 2"x2" CFT (tan w/ dots)	Restroom 4088	1999 Reno
52	24B	Glue (Yellow) under 23B	Restroom 4088	1999 Reno

 COMMENTS: Email report to: Name:
 O. Smaracko & K.Davis
 ; Email to: osmaracko, kdavis & jjencks@rianalytical.com

 A. (1) Analysis = ⊠ PLM, Asbestos (EPA 600/R-93/116); ⊠ PLM NOB as needed; □
 \_\_\_\_\_\_ point count if friable and <10% ASB; □</td>
 TEM NOB

 (2) TAT = 3 days
 : (3) No. samples submitted = 91
 : (4) □ Y or ⊠ N - Positive step by thomogeneous # shown

RELINQUISHED BY: (SIGNATURE) Olivia Smaracko	DATE/TIME 2/11/21 17:00	RECEIVED BY (SIGNATURE)	1	DATE/TIME/21
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY (SIGNATURE)	()	DATE/TIME

Page 20 of 21			
<b>R.I. ANALYTICAL</b> 41 Illinois Avenue - Warwick, RI 02888 P: (401) 737-8500 F: (401) 732-8034	SAMPLE DATA SHEET & CHAIN OF CUSTODY		
Project: CCRI Knight Campus, Main Bldg – Aharonian & Associates	Client Purchase Order #:		
Address: 400 East Ave, Warwick, RI 02886	RI Analytical EAM Project #: 2020107		
Sampled By (Name): Olivia Smaracko/Danny Mullen	RI Analytical Work Order#: 02-02	2463	
Sampled By (Certification #): AI01102/AI00963	Inspection Date: 2/10-2/11/21	Page 3 of <u>4</u>	

Line	Sample #	Description	Location	Notes
53	25B	Setbed (Gray) under 24B on concrete	Restroom 4088	1999 Reno
54	05F	Plaster Skim Coat (White) at ceiling	Restroom 06222	
55	06F	Plaster Base Coat (Gray) under 05F on wire lathe	Restroom 06222	
56	08G	Setbed (Lt Gray) under HM 01 on concrete	Restroom 6128	
57	10B	Caulk (White) between metal door frame & CMU block wall	Restroom 6078	1999 Reno
58	25C	Setbed (Gray) under HM 24 on concrete	Restroom 6076	1999 Reno
59	05G	Plaster Skim Coat (White) at ceiling	Restroom 4580	
60	06G	Plaster Base Coat (Gray) under 05G on wire lathe	Restroom 4580	
61	21D	Joint Compound (White) on GB Wall	Restroom 2544	
62	26A	Grout (White) between 4"x4" CWT (White)	Restroom 2544	
63	27A	Setbed (White) under HM 26 on GB Wall	Restroom 2544	
64	26B	Grout (White) between 4"x4" CWT (White)	Restroom 1546	
65	27B	Setbed (White) under HM 26 on GB Wall	Restroom 1546	
66	11B	4" VCB (Tan) on 12B on GB	Restroom/Storage 1160	
67	12B	Glue (Beige) under 11B on GB wall	Restroom/Storage 1160	
68	03B	Glue (Yellow) under HM 01 & HM 02 on concrete	Restroom 0280	
69	28A	Firestop (Red) at pipe penetration in CMU block wall	Restroom 0556	
70	28B	Firestop (Red) at pipe penetration in CMU block wall	Restroom 0564	
71	29A	Paper (Tan) in metal toilet partition	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
72	29B	Paper (Tan) in metal toilet partition	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
73	30A	Fireproofing (White) Spray-on on I-beams, above toilets	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
74	31A	Duct Seam Tape (Tan) painted white	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
75	32A	4" VCB (Brown) on HM 33 on concrete, under lockers	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
76	32B	4" VCB (Brown) on HM 33 on CMU block wall, near showers	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
77	33A	Glue (Brown) under 32A on concrete	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
78	33B	Glue (Brown) under 32B on CMU block wall	FH, 1 <sup>st</sup> Floor, Men's Locker Room	

 COMMENTS: Email report to: Name:
 O. Smaracko & K.Davis
 ; Email to: osmaracko, kdavis & jjencks@rianalytical.com

 A. (1) Analysis = ⊠ PLM, Asbestos (EPA 600/R-93/116);
 ⊠ PLM NOB as needed; □
 \_\_\_\_\_\_ point count if friable and <10% ASB; □</td>
 TEM NOB

 (2) TAT =
 3 days
 ; (3) No. samples submitted =
 91
 ; (4) □ Y or ⊠ N - Posiţive Stop-by-Homogeneous # shown.

RELINQUISHED BY:	DATE/TIME	RECEIVED BY	DATE/TIME
(SIGNATURE) Olivia Smaracko	2/11/21 17:00	(SIGNATURE)	2/11/2/
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATETIME

	Page 21 of 21
R.I. ANALYTICAL 41 Illinois Avenue - Warwick, RI 02888 P: (401) 737-8500 F: (401) 732-8034	SAMPLE DATA SHEET & CHAIN OF CUSTODY
Project: CCRI Knight Campus, Main Bldg – Aharonian & Associates	Client Purchase Order #:
Address: 400 East Ave, Warwick, RI 02886	RI Analytical EAM Project #: 2020107
Sampled By (Name): Olivia Smaracko/Danny Mullen	RI Analytical Work Order#: 02-02 463
Sampled By (Certification #): AI01102/AI00963	Inspection Date: 2/10-2/11/21 Page 4 of <u>4</u>

Line	Sample #	Description	Location	Notes
79	34A	Grout (White) between 1"x1" CFT (Off-White)	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
80	35A	Setbed (Gray) under 34A on concrete	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
81	04D	Caulk (Gray) between metal door frame & CMU block wall	FH, 1 <sup>st</sup> Floor, Men's Locker Room	
82	34B	Grout (White) between 1"x1" CFT (Off-White)	FH, Gr Floor, Ladies Locker Room	
83	35B	Setbed (Gray) under 34B on concrete	FH, Gr Floor, Ladies Locker Room	
84	37A	Caulk (Cream) between CFT and CMU block wall	FH, Gr Floor, Ladies Locker Room	
85	37B	Caulk (Cream) between CFT and CMU block wall	FH, Gr Floor, Ladies Locker Room	
86	30B	Fireproofing (White) Spray-on on I-beams, above toilets	FH, Gr Floor, Ladies Locker Room	
87	38A	12"x12" VFT (Off-White w/ Black Streaks)	FH, Gr Floor, Men's Locker Room	~90 SF
88	38B	12"x12" VFT (Off-White w/ Black Streaks)	FH, Gr Floor, Men's Locker Room	~90 SF
89	39A	Mastic (Black) under HM 38 on concrete	FH, Gr Floor, Men's Locker Room	~90 SF
90	39B	Mastic (Black) under HM 38 on concrete	FH, Gr Floor, Men's Locker Room	~90 SF
91	39C	Mastic (Black) under HM 38 on concrete	FH, Gr Floor, Men's Locker Room	~90 SF
92				
93				
94				
95				
96				
97				
98				
99				
100				
101				
102				
103				

COMMENTS: Email report to: Name: O. Smaracko &	K.Davis ; Em	nail to: osmaracko, kdavis & jjencks@rianalytica	al.com	
A. (1) Analysis = 🛛 PLM, Asbestos (EPA 600/R-93/116); 🖾 PLM NOB as needed; 🗆 point count if friable and <10% ASB; 🗀 TEM NOB				
(2) TAT = 3 days ; (3) No. samples submitted = 91 ; (4) T Y or N · Positive stop by Hemogeneous # shown.				
RELINQUISHED BY: (SIGNATURE) Olivia Smaracko	DATE/TIME 2/11/21 17:00	RECEIVED BY: (SIGNATURE)	DATE/TIMEZ(	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	





SLD.02





**SLD.04** 

### ASB-16A - 4A

#### **Interim Operations & Maintenance Plan**

Contractors and personnel associated with the building are aware of the presence and location of ACM within the above stated areas through review of the Asbestos Inspection Report and this Asbestos Abatement Plan. They have been instructed not to disturb the material due to the potential health hazards if fibers become airborne. The Contractor shall be responsible for monitoring existing ACM and notifying the IH/Project Monitor through the Owner if a disturbance occurs. If previously unidentified, suspect building materials are discovered, a RIDOH-licensed Asbestos Inspector shall be summoned to evaluate the situation and take appropriate actions.

### 1. Notification

All personnel, including any contractors, entering the building and/or premises to perform work, shall be notified of the presence and location of ACM and cautioned regarding disturbance of the material(s). If an emergency fiber release occurs, the following procedures shall be initiated.

#### 2. Fiber Release Episodes

### A. Minor Release Episode

If a minor fiber release episode occurs (release of less than 10 linear feet or 25 square feet of material), trained maintenance staff or an asbestos abatement contractor may perform the cleaning. Access to the area shall be restricted during clean up. All debris shall be thoroughly wetted using amended water and placed in labeled, double six-mil polyethylene bags. The area shall then be cleaned using HEPA filtered vacuums and/or wet cleaning methods. Damaged material must be cleaned and repaired with non-asbestos-containing material. The area shall then be evaluated to decide if further action is necessary.

#### B. Major Release Episode

If a major fiber release episode occurs (falling or dislodging of more than 10 linear feet or 25 square feet of ACBM), the cleaning must be carried out and directed by persons accredited to conduct and design response actions. After such an episode, the area shall be immediately restricted and entry to the area prevented. Warning signs shall be posted to caution people other than those qualified to deal with the problem. Air handling units in the area shall be shut down to prevent the spread of fibers beyond the problem area. A response action shall be designed and carried out by qualified personnel.

### 3. Training

Any employee who, because of their work, may disturb ACM, shall be trained and certified as a Competent Person as described by the R.I. Rules and Regulations for Asbestos Control. The program coordinator shall ensure that the procedures described above to protect the personnel shall be followed for any operations and maintenance activities disturbing or involving ACM.

# Scope of Work / Description of Waivers

## **Scope of Work:**

Removal of the ACM identified in Table 2 above.

All work will be conducted using applicable B.8 work procedures noted in ASB-16A(4)(B) or as described herein.

All applicable OSHA, federal, state, and local asbestos, safety and other regulations shall be followed.

It is the contractor's responsibility to verify quantities of all identified asbestos-containing materials and locations and site conditions. Salvage of interior items, utility disconnects, and emptying, cleaning, and removal of interior contents and equipment shall be completed *prior to commencement of asbestos abatement work*.

It is the responsibility of the Asbestos Contractor to collect personnel air samples in compliance with OSHA 29 CFR, Part 1926.1101 (f).

### Waivers:

The following waivers are being applied for in association with this work:

1. None

# ASB-16A-3

Drawings



Pre-Abatement Air Sample Laboratory Analytical Report and Chain-of-Custody Form

These air samples will be collected by the IH/Project Monitor in accordance with NIOSH method 7400 by PCM (Phase Contrast Microscopy) prior to commencement of setup for asbestos abatement and submitted to Owner and RIDOH.



То:	Mr. David Snow Acting Director CCRI, Knight Campus 400 East Ave, Warwick, RI, 02886	P: 401.825.2380 E: dasnow@ccri.edu	
cc:	Mr. Mark Libutti College Projects Manager CCRI, Knight Campus 400 East Ave, Warwick, RI, 02886	P: 401.825.2380 E: malibutti@ccri.edu	
cc:	Mr. David Horton, RA Aharonian & Associates, Inc. 310 George Washington Hwy, Suite 100 Smithfield, RI 02917	P: 401.232.5010; C: 508.958.8850 E: DHorton@arch-eng.com	
FROM:	Kenneth Davis	DATE: May 21, 2021	
REF:	Asbestos Abatement Plan - CCRI Restrooms Renovations Project Site: CCRI Knight Campus, 400 East Avenue, Warwick, RI 02886 RI Analytical Project #2020107		

#### **TRANSMITTAL TO OWNER**

This transmittal is intended to guide you through completing some items for the abatement plan and submitting it to the **RIDOH** (Rhode Island Department of Health) for approval. *This transmittal is not for submission with the abatement plan to RIDOH*.

Attached to this transmittal, please find the following items for your review.

1. Asbestos abatement plan for submittal to RIDOH.

Once you have reviewed and approved this plan, if no changes are needed, please have signed with notary witness and embossing stamp, the asbestos abatement plan page entitled "Notarized Certification of Asbestos Abatement Plan" (Form ASB-16B in the bottom left corner).

Please call us to collect this original signed/notarized page original and we will then print and bind 4 copies of the plan for distribution as follows.

One signed/notarized/embossed copy each for:-

- RIDOH (with original signed/notarized form ASB-16B)
- Owner
- Asbestos Abatement Contractor (when determined)
- RI Analytical

## The RIDOH Asbestos Abatement Plan filing fee is waived as CCRI is considered a State agency.

Once the abatement plan has been reviewed and approved by RIDOH, the Owner will receive an *abatement plan approval letter* which must be copied to the GC and abatement contractor.



CCRI/Aharonian & Associates, Inc. - Asbestos Abatement Plan Restrooms Renovations - Site: Knight Campus, 400 East Avenue, Warwick, RI 02886 RI Analytical #2020107 May 21, 2021 - Page 2

If you include this abatement plan to abatement contractor(s) as part of the bidding process prior to this plan being approved by RIDOH, it must be made clear that this is a draft plan subject to RIDOH review and modifications may be required by RIDOH.

### Please note the following.

- 1. The asbestos abatement contractor must file start work notification form with the **RIDOH** and with EPA, 10-working days prior to commencement of abatement setup. The RIDOH 10-working day notification can only be filed after RIDOH has approved the abatement plan and issued an approval letter with plan number.
- 2. Other permits may also be required (e.g. police, fire department, etc.).
- 3. The RIDOH typically takes 1-2 weeks to review and approve abatement plans, after which an approval letter will be sent to the Owner. The abatement plan is only valid for a total period of 1 year, after which, if the abatement work has not been completed, it expires and a new plan must be prepared and submitted for completion of the remainder of the **ACM** work. Work must also commence within 6 months of the approval date or an extension application will have to be filed with RIDOH.
- 4. The abatement plan has been written based on information provided.
- 5. Some previously hidden or untested ACM may only be discovered during the work for this plan. Work must stop immediately upon discovery of previously hidden or untested materials that are suspected of being ACM. The Owner must be notified immediately in order to test these suspect materials and quantify any additional ACM that would then have to be removed in accordance with all applicable regulations, including amendments to abatement plan and RIDOH and EPA notifications as required. This would also apply if out of scope ACM are to be added to the work.