1520 W. Cameron Ave., Suite 103 ◆ West Covina, CA 91790
Ph. 626-962-4436 ◆ Fx. 626-962-4437 ◆ www.globalenvirotraining.com

Combustion By-Product / Testing / Analysis

Jobsite:

CALIFORNIA STATE UNIVERSITY LOS ANGELES (CSULA)
STUDENT SERVICES BUILDING
5151 STATE UNIVERSITY DR.
LOS ANGELES, CA 90032

Prepared For:

MS. BARBARA L. QUEEN
CALIFORNIA STATE UNIVERSITY LOS ANGELES (CSULA)
5151 STATE UNIVERSITY DR.
LOS ANGELES, CA 90032

January 16, 2025

PROJECT №. **E225-004**

Mario Virgen
President

TABLE OF CONTENTS

Barbara L. Queen
Planning, Design & Construction
California State University, Los Angeles (CSULA)
5151 University Dr.
Los Angeles, CA 90032

Re: Combustion By-Product Testing
California State University, Los Angeles (CSULA)
Student Services Building
5151 University Dr.
Los Angeles, CA 90032

GETC Project №. E225-004

Dear Ms. Queen,

Global Environmental Training & Consulting (GETC) performed Ambient Air Testing for Combustion By-Product (Char, Soot, & Ash) at the above referenced property. GETC has reviewed the results from the accredited laboratory and based on the samples taken on January 12, 2025, throughout the Student Services Building, results have concluded that all areas identified are below the outside background sample for Combustion By-Products.

Thank you for choosing GETC as the consultant for this project. If you have any questions, or if we can be of service again in the future, please do not hesitate to contact our office at (626) 962-4436.

Respectfully submitted,

Global Environmental Training & Consulting, Inc.
Mario Virgen, I.H.
President

Enclosures

1.0 EXECUTIVE SUMMARY

1.1 GENERAL INFORMATION

Global Environmental Training and Consulting, Inc. (GETC) was retained by the California State University, Los Angeles (CSULA) to conduct Ambient Air Quality Testing for Combustion By-Products at the Student Services Building located at 5151 University Dr., in Los Angeles, California.

Carbon Black is a fine-grained solid residue that results from incomplete combustion of hydrocarbons. This testing is designed for analysis of fire residues for presence of analytes of interest (Char, Black Carbon/Soot, & Ash). The results of this test offer the client valuable information related to the extent of contamination produced by a fire from a residence or wildfire. These results can be used for cleaning assessment.

The sample collection was performed by GETC Industrial Hygienist Mr. Mario Virgen.

1.2 TASKS

GETC Performed Ambient Air Quality Testing for Combustion By-Product that included the following tasks:

- Collect Air Samples using Allergenco Cassettes within the Student Services Building (33 Total) – For Combustion By-Product Analysis.
- Air Samples were collected following the ASTM D6602-13 Standards, "Standard Practices for sampling and testing of possible Carbon Black Fugitive Emissions or Environmental Particulates."

SAMPLING TABLE
COMBUSTION BY-PRODUCT
(CHAR, SOOT, & ASH)

STUDENT SERVICES BUILDING					
SAMPLE NO.	LOCATION	CHAR PARTICULATES	SOOT PARTICULATES	ASH	TOTAL
01	LOWER LEVEL – LOBBY	753	27	73	853
02	1ST FLOOR LOBBY	47	7	13	67
03	1ST FLOOR – ROOM 1360	27	0	0	27
04	1ST FLOOR – ROOM 1120	87	7	7	101
05	**OUTSIDE (CONTROL)**	**43,593**	**313**	**793**	**44,699**
06	2ND FLOOR – ROOM 2310	260	13	40	313
07	2ND FLOOR – FINANCIAL AID	180	7	53	240
08	2ND FLOOR – ROOM 2340	40	0	20	60
09	2ND FLOOR – ROOM 2360	87	7	47	141
10	2ND FLOOR – ROOM 2390	193	20	87	300
11	3RD FLOOR – ROOM 3380	73	0	20	93
12	3RD FLOOR – ROOM 3310	87	7	20	114
13	3RD FLOOR – ROOM 3330	47	0	20	67
14	4TH FLOOR – ROOM 4390	87	7	13	107
15	4TH FLOOR – ROOM 4370	107	0	33	140
16	4TH FLOOR – ROOM 434	47	0	27	74
17	4TH FLOOR – CORRIDOR NEXT TO ROOM 4200	93	13	27	133
18	5TH FLOOR – ROOM 5390	80	7	33	120
19	5TH FLOOR – ROOM 5360	47	0	33	80
20	5TH FLOOR – CORRIDOR NEXT TO ROOM 5121	453	47	120	620
21	5TH FLOOR – CORRIDOR NEXT TO ROOM 5200	93	7	53	153
22	6TH FLOOR – ROOM 6360	33	0	20	53
23	6TH FLOOR – ROOM 6390	60	0	13	73
24	6TH FLOOR – ROOM 6330	53	0	47	100
25	6TH FLOOR – ROOM 6300	20	7	13	40
26	7TH FLOOR – ROOM 7330	33	13	7	53
27	7TH FLOOR – ROOM 7310	127	7	7	141
28	7TH FLOOR – ROOM 7390	33	7	20	60
29	7TH FLOOR – ROOM 7360	27	0	13	40
30	8TH FLOOR – ROOM 8300	47	0	33	80
31	8TH FLOOR – ROOM 8330	73	7	20	100
32	8TH FLOOR – ROOM 8360	27	0	40	67
33	8TH FLOOR – ROOM 8390	20	0	13	33

2.0 METHODOLOGY

This section includes the description of the methodologies used to perform the Combustion By-Product Sampling and Analysis. These methodologies include air sampling analysis.

2.1 AIR SAMPLING

- Collect and submit for analysis samples for Combustion By-Product from within the Student Services Building.

2.2 SAMPLING PROCEDURES AND ANALYSIS

Sampling Procedure

The inspector collected Thirty-Three (33) air samples from the Student Services Building. Methods & Equipment:

- Polarized Light Microscopy (PLM)
- epi-Reflected Light Microscopy (RLM)

The samples were numbered and shipped to a laboratory accredited under the American Industrial Hygiene Association (AIHA) and Environmental Proficiency Analytical Testing Program (EPAT).

Chain-of-Custody Procedures

Chain-of-Custody documents possession of the samples from the time they are collected until they have been analyzed and are stored. Custody documentation must be followed whenever materials are received, collected, transferred, stored, analyzed, or destroyed.

The original Chain-of-Custody is to accompany the materials at all times. Custody documentation will begin at the time a sample is collected. Each transferor should retain a copy of the Chain-of-Custody record.

Laboratory Quality Control Program

Pasteur Laboratory maintains an in-house quality control program. This program involves precision and accuracy controls, use of standard bulk reference materials, maintenance of national and state accreditation, participation in external and internal proficiency testing programs, and confirmation of analyst experience and qualification in compliance with specific internal training and competency requirements.

2.3 REPORT FORMAT

This report has been organized in a manner that presents the data in several forms to best suit the needs of the property. The "Executive Summary" provides a description of the facility and analytical results for each area tested. The Air Sampling Log, Appendix A, contains detailed information on the locations of areas sampled. The "Analytical Reports", Appendix B, is a listing of samples taken and their Combustion By-Product Content.

3.0 FINDINGS AND RECOMMENDATIONS

3.1 GENERAL SUMMARY

- Sampling Logs & COC in Appendix A.
- Complete lab analyses for Combustion By-Products are given in Appendix B.
- Sampling Scheme is given in Appendix C.

3.2 RECOMMENDATIONS

Since all indoor air samples are below the Outside (Control) sample, Global Environmental Training & Consulting, Inc. (GETC) has no recommendations at this time.

4.0 WARRANTY

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of airborne Combustion By-Product Compounds in the Student Services Building. Global Environmental Training & Consulting, Inc. warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by similar professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in the report.

The air sampling and analytical methods have been used to provide the client with information regarding the presence of Combustion By-Product Compounds existing in the Student Services Building at the time of sampling. Test results are valid only for the areas tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study of which were not apparent during the site visit.

No other warranties are implied or expressed.

APPENDIX A

AIR SAMPLING LOG

Chain of Custody / Microbiology Sample Log

Pasteur Laboratory
158 N. Glendora Ave., Suite S (2nd floor)
Glendora, CA 91741
Tel: (626) 963-8686
E-mail: microbiology99@aol.com

NOTES:

CONTACT INFORMATION

Company: Global Environmental Training & Consulting	Address: 1520 W. Cameron Ave., Suite 103, West Covina, CA	
Contact: Mario Virgen / Miguel Virgen	Fax results Y / N	Fax & Invoice to: 626-962-4437
Phone: 626-962-4436	Email results Y / N	staff@globalenvirotraining.com

PROJECT INFORMATION

Project Name: CSULA - Student Services Bldg
Project Number: E225-004
Sampling Date: January 12, 2025

TURN AROUND TIME - (TAT)

ND - 24 Hour (+50%)
SD - Same Day (+75%)
WH - Weekend/Holiday (+100%)

Rushes received after 2pm or on weekends, will be considered received the next business day.

REQUESTED SERVICES (CHECK BOXES)

Non - Culturable			Culturable		
Spore Trap		Tape Swab Bulk	Anderson, Swab, Water, Bulk, Dust, Soil, Contact Plate		
Fungi - SporeTrap Analysis	Fungi & Biological Particles	Fungi - Direct Microscopic Exam	Fungi - Standard Quant. Analysis	*E. coli* / Coliform Screen (MUG)	Bacteria - Quantitative Analysis

Sample ID	Sample Location	Sample Type	TAT (Above)	Flow Rate	Time	Total Volume
01	Lower level - Lobby	All	SD	15 lpm	10 min	150 l
02	1st floor Lobby					
03	1st floor Room 1360					
04	1st Floor Rm 1120					
05	Outside (control)					
06	2nd floor - Rm 2310					
07	2nd floor - Financial Aid					
08	2nd floor - Rm 2340					
09	2nd floor - Rm 2360					
10	2nd floor - Rm 2390					
11	3rd floor - Rm 3380					
12	3rd floor - Rm 3310					
13	3rd floor - Rm 3330					
14	4th floor - Rm 4390					
15	4th floor - Rm 4370					
16	4th floor - Rm 434					
17	4th floor - Corridor next to Rm 4200					
18	5th floor - Rm 5390					

X Ash, soot; clear

SAMPLE TYPE CODES

AP - Andersen Plate CP - Contact Plate
Z - Zefon Air-O-Cell All - AllergencoD
T - Tape S - Swab BL - Bulk
M2 - Allegro M2 - Multimold Cassette

RELINQUISHED BY	DATE	RECEIVED BY	DATE
	1/13/25		

Chain of Custody / Microbiology Sample Log

Pasteur Laboratory
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TURN AROUND TIME - (TAT)

ND - 24 Hour (+50%)
SD - Same Day (+75%)
WH - Weekend/Holiday (+100%)

Rushes received after 2pm or on weekends, will be considered received the next business day.

Sample ID	Sample Location	Sample Type	TAT (Above)	Flow Rate	Time	Total Volume
19	5th Floor - Rm 5360	AI	ST	15 lpm	10mm	150 l
20	5th Floor - Corridor Next to Rm 5121					
21	5th Floor - Corridor Next to Rm 5200					
22	6th Floor - Rm 6360					
23	6th Floor - Rm 6390					
24	6th Floor - Rm 6330					
25	6th Floor - Rm 6300					
26	7th Floor - Rm 7330					
27	7th Floor - Rm 7310					
28	7th Floor - Rm 7350					
29	7th Floor - Rm 7360					
30	8th Floor - Rm 8300					
31	8th Floor - Rm 8330					
32	8th Floor - Rm 8360					
33	8th Floor - Rm 8390					

REQUESTED SERVICES (CHECK BOXES)

Non - Culturable			Culturable		
Spore Trap	Tape Swab Bulk		Anderson, Swab, Water, Bulk, Dust, Soil, Contact Plate		
Fungi - SporeTrap Analysis	Fungi & Biological Particles	Fungi - Direct Microscopic Exam	Fungi - Standard Quant. Analysis	E. coli / Coliform Screen (MUG)	Bacteria - Quantitative Analysis

NOTES:

X Ash, Soot: Char

SAMPLE TYPE CODES

AP - Andersen Plate CP - Contact Plate
Z - Zefon Air-O-Cell All - AllergencoD
T - Tape S - Swab BL - Bulk
M2 - Allegro M2 - Multimold Cassette

RELINQUISHED BY	DATE	RECEIVED BY	DATE
	1/13/25		1/13/25

APPENDIX B

ANALYTICAL REPORTS

Char / Soot / Ash Particulate Report
(Aerosol Samples)
1/13/2025

Pasteur Laboratory
158 N. Glendora Ave., Suite S
Glendora, CA 91741
Tel: (626) 963-8686
E-mail: microbiology99@aol.com

Mario Virgen/Miguel Virgen
Global Environmental Training & Consulting
1520 W. Cameron Ave., Suite 103, West Covina, CA 91790
Tel: 626-962-4436 Fax: 626-962-4437
E-mail: staff@globalenvirotraining.com
Client's Project: CSULA-Student Services Bldg - E225-004

Lab Reference No.: 00028-25-0041
Date Collected: January 12, 2025
Date Received: January 13, 2025
Date Analyzed: January 13, 2025
Sample(s) analyzed: 33

Laboratory Sample ID	12343			12344			12345			12346		
Client Sample ID	**01**			**02**			**03**			**04**		
Location	Lower level lobby			1st fl lobby			1st Fl Rm 1360			1st Fl Rm 1120		
Volume (L)	150			150			150			150		
Background Debris*	Light			Light			Light			Light		
Sample Description	AllergencoD			AllergencoD			AllergencoD			AllergencoD		
	Raw cts	No. /m³	%	Raw ct	No. /m³	%	Raw cts	No. /m³	%	Raw cts	No. /m³	%
Char particulate:	113	753	88.28	7	47	70.15	4	27	100.00	13	87	86.14
Soot particulate	4	27	3.17	1	7	10.45	0	0	0.00	1	7	6.93
Ash:	11	73	8.56	2	13	19.40	0	0	0.00	1	7	6.93
Total numbers / m³	**853**			**67**			**27**			**101**		
Comments												
Limit of Detection	7			7			7			7		

*Background debris is an indication of amounts of biological and non-biological particulate matters present on the sample and is characterized as *very light, light, moderate, heavy* or *very heavy. Very h* eavy background debris may obscure particulate matters, reducing visibility during analysis. Consequently, counts from very heavy background debris should be considered minimal. *The laboratory and its personnel shall not be held liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. This report relates only to samples submitted and analyzed.*

Sample(s) were analyzed by: P. Chakravarty, Ph.D., Sr. Environmental Microbiologist P. Chakravarty

Pasteur Laboratory
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Char / Soot / Ash Particulate Report
(Aerosol Samples)
1/13/2025

Mario Virgen/Miguel Virgen
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Tel: 626-962-4436 Fax: 626-962-4437
E-mail: staff@globalenvirotraining.com
Client's Project: CSULA-Student Services Bldg - E225-004

Lab Reference No.: 00028-25-0041
Date Collected: January 12, 2025
Date Received: January 13, 2025
Date Analyzed: January 13, 2025
Sample(s) analyzed: 33

Laboratory Sample ID	12347			12347			12347			12347		
Client Sample ID	**05**			**06**			**07**			**08**		
Location	Outside (control)			2nd Floor Room 2310			2nd Fl - Financial Aid			2nd Fl Rm 2340		
Volume (L)	150			150			150			150		
Background Debris*	Heavy			Heavy			Heavy			Heavy		
Sample Description	AllergencoD			AllergencoD			AllergencoD			AllergencoD		
	Raw cts	No. /m³	%	Raw ct	No. /m³	%	Raw cts	No. /m³	%	Raw cts	No. /m³	%
Char particulate:	6539	43,593	97.53	39	260	83.07	27	180	75.00	6	40	66.67
Soot particulate	47	313	0.70	2	13	4.15	1	7	2.92	0	0	0.00
Ash:	119	793	1.77	6	40	12.78	8	53	22.08	3	20	33.33
Total numbers / m³	**44,699**			**313**			**240**			**60**		
Comments												
Limit of Detection	7			7			7			7		

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Sample(s) were analyzed by: P. Chakravarty, Ph.D., Sr. Environmental Microbiologist P. Chakravarty

Char / Soot / Ash Particulate Report
(Aerosol Samples)
1/13/2025

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Client's Project: CSULA-Student Services Bldg - E225-004

Lab Reference No.: 00028-25-0041
Date Collected: January 12, 2025
Date Received: January 13, 2025
Date Analyzed: January 13, 2025
Sample(s) analyzed: 33

Laboratory Sample ID	12351			12352			12353			12354		
Client Sample ID	**09**			**10**			**11**			**12**		
Location	2nd Fl Rm 2360			2nd Fl Rm 2390			3rd Fl Rm 3380			3rd Fl Rm 3310		
Volume (L)	150			150			150			150		
Background Debris*	Light			Light			Light			Light		
Sample Description	AllergencoD			AllergencoD			AllergencoD			AllergencoD		
	Raw cts	No. /m³	%	Raw ct	No. /m³	%	Raw cts	No. /m³	%	Raw cts	No. /m³	%
Char particulate:	13	87	61.70	29	193	64.33	11	73	78.49	13	87	76.32
Soot particulate	1	7	4.96	3	20	6.67	0	0	0.00	1	7	6.14
Ash:	7	47	33.33	13	87	29.00	3	20	21.51	3	20	17.54
Total numbers / m³	**141**			**300**			**93**			**114**		
Comments												
Limit of Detection	7			7			7			7		

*Background debris is an indication of amounts of biological and non-biological particulate matters present on the sample and is characterized as very light, light, moderate, heavy or very heavy. Very heavy background debris may obscure particulate matters, reducing visibility during analysis. Consequently, counts from very heavy background debris should be considered minimal. The laboratory and its personnel shall not be held liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. This report relates only to samples submitted and analyzed.

Sample(s) were analyzed by: P. Chakravarty, Ph.D., Sr. Environmental Microbiologist

P. Chakravarty

Char / Soot / Ash Particulate Report
(Aerosol Samples)
1/13/2025

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Lab Reference No.: 00028-25-0041
Date Collected: January 12, 2025
Date Received: January 13, 2025
Date Analyzed: January 13, 2025
Sample(s) analyzed: 33

Laboratory Sample ID	12355			12356			12357			12358		
Client Sample ID	**13**			**14**			**15**			**16**		
Location	3rd Fl Rm 3330			4th Fl - Rm 4390			4th Fl Rm 4370			4th Fl Rm 434		
Volume (L)	150			150			150			150		
Background Debris*	Light			Light			Light			Light		
Sample Description	AllergencoD			AllergencoD			AllergencoD			AllergencoD		
	Raw cts	No. /m³	%	Raw ct	No. /m³	%	Raw cts	No. /m³	%	Raw cts	No. /m³	%
Char particulate:	7	47	70.15	13	87	81.31	16	107	76.43	7	47	63.51
Soot particulate	0	0	0.00	1	7	6.54	0	0	0.00	0	0	0.00
Ash:	3	20	29.85	2	13	12.15	5	33	23.57	4	27	36.49
Total numbers / m³	**67**			**107**			**140**			**74**		
Comments												
Limit of Detection	7			7			7			7		

*Background debris is an indication of amounts of biological and non-biological particulate matters present on the sample and is characterized as very light, light, moderate, heavy or very heavy. Very heavy background debris may obscure particulate matters, reducing visibility during analysis. Consequently, counts from very heavy background debris should be considered minimal. The laboratory and its personnel shall not be held liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. This report relates only to samples submitted and analyzed.

Sample(s) were analyzed by: P. Chakravarty, Ph.D., Sr. Environmental Microbiologist

P. Chakravarty

Pasteur Laboratory

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Char / Soot / Ash Particulate Report
(Aerosol Samples)

1/13/2025

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Lab Reference No.: 00028-25-0041
Date Collected: January 12, 2025
Date Received: January 13, 2025
Date Analyzed: January 13, 2025

Sample(s) analyzed: 33

Laboratory Sample ID	12359			12360			12361			12362		
Client Sample ID	**17**			**18**			**19**			**20**		
Location	4th Fl Corridor next to Rm 4200			5th Fl Rm 5390			5th Fl Rm 5360			5th Fl Corridor next to Rm 5121		
Volume (L)	150			150			150			150		
Background Debris*	Light			Light			Light			Light		
Sample Description	AllergencoD			AllergencoD			AllergencoD			AllergencoD		
	Raw cts	No. /m³	%	Raw ct	No. /m³	%	Raw cts	No. /m³	%	Raw cts	No. /m³	%
Char particulate:	14	93	69.92	12	80	66.67	7	47	58.75	68	453	73.06
Soot particulate	2	13	9.77	1	7	5.83	0	0	0.00	7	47	7.58
Ash:	4	27	20.30	5	33	27.50	5	33	41.25	18	120	19.35
Total numbers / m³	**133**			**120**			**80**			**620**		
Comments												
Limit of Detection	7			7			7			7		

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1/13/2025

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Lab Reference No.: 00028-25-0041
Date Collected: January 12, 2025
Date Received: January 13, 2025
Date Analyzed: January 13, 2025
Sample(s) analyzed: 33

Laboratory Sample ID	12363			12364			12365			12366		
Client Sample ID	**21**			**22**			**23**			**24**		
Location	5th Fl Corridor next to Rm 5200			6th Fl Rm 6360			6th Fl Rm 6390			6th Fl Rm 6330		
Volume (L)	150			150			150			150		
Background Debris*	Light			Light			Light			Light		
Sample Description	AllergencoD			AllergencoD			AllergencoD			AllergencoD		
	Raw cts	No. /m³	%	Raw ct	No. /m³	%	Raw cts	No. /m³	%	Raw cts	No. /m³	%
Char particulate:	14	93	60.78	5	33	62.26	9	60	82.19	8	53	53.00
Soot particulate	1	7	4.58	0	0	0.00	0	0	0.00	0	0	0.00
Ash:	8	53	34.64	3	20	37.74	2	13	17.81	7	47	47.00
Total numbers / m³	**153**			**53**			**73**			**100**		
Comments												
Limit of Detection	7			7			7			7		

*Background debris is an indication of amounts of biological and non-biological particulate matters present on the sample and is characterized as very light, light, moderate, heavy or very heavy. Very heavy background debris may obscure particulate matters, reducing visibility during analysis. Consequently, counts from very heavy background debris should be considered minimal. The laboratory and its personnel shall not be held liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us This report relates only to samples submitted and analyzed

Sample(s) were analyzed by: P. Chakravarty, Ph.D., Sr. Environmental Microbiologist P. Chakravarty

Char / Soot / Ash Particulate Report
(Aerosol Samples)
1/13/2025

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1520 W. Cameron Ave., Suite 103, West Covina, CA 91790
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E-mail: staff@globalenvirotraining.com
Client's Project: CSULA-Student Services Bldg - E225-004

Lab Reference No.: 00028-25-0041
Date Collected: January 12, 2025
Date Received: January 13, 2025
Date Analyzed: January 13, 2025
Sample(s) analyzed: 33

Laboratory Sample ID	12367			12368			12369			12370		
Client Sample ID	**25**			**26**			**27**			**28**		
Location	6th Fl Rm 6300			7th Fl Rm 7330			7th Fl Rm 7310			7th Fl Rm 7390		
Volume (L)	150			150			150			150		
Background Debris*	Light			Light			Light			Light		
Sample Description	AllergencoD			AllergencoD			AllergencoD			AllergencoD		
	Raw cts	No. /m^3	%	Raw ct	No. /m^3	%	Raw cts	No. /m^3	%	Raw cts	No. /m^3	%
Char particulate:	3	20	50.00	5	33	62.26	19	127	90.07	5	33	55.00
Soot particulate	1	7	17.50	2	13	24.53	1	7	4.96	1	7	11.67
Ash:	2	13	32.50	1	7	13.21	1	7	4.96	3	20	33.33
Total numbers / m^3	**40**			**53**			**141**			**60**		
Comments												
Limit of Detection	7			7			7			7		

*Background debris is an indication of amounts of biological and non-biological particulate matters present on the sample and is characterized as very light, light, moderate, heavy or very heavy. Very heavy background debris may obscure particulate matters, reducing visibility during analysis. Consequently, counts from very heavy background debris should be considered minimal. The laboratory and its personnel shall not be held liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us This report relates only to samples submitted and analyzed

Sample(s) were analyzed by: P. Chakravarty, Ph.D., Sr. Environmental Microbiologist P. Chakravarty

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Char / Soot / Ash Particulate Report
(Aerosol Samples)
1/13/2025

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Client's Project: CSULA-Student Services Bldg - E225-004

Lab Reference No.: 00028-25-0041
Date Collected: January 12, 2025
Date Received: January 13, 2025
Date Analyzed: January 13, 2025
Sample(s) analyzed: 33

Laboratory Sample ID	12371			12372			12373			12374		
Client Sample ID	**29**			**30**			**31**			**32**		
Location	7th Fl Rm 7360			8th Fl Rm 8300			8th Fl Rm 8330			8th Fl Rm 8360		
Volume (L)	150			150			150			150		
Background Debris*	Light			Light			Light			Light		
Sample Description	AllergencoD			AllergencoD			AllergencoD			AllergencoD		
	Raw cts	No. /m³	%	Raw cts	No. /m³	%	Raw cts	No. /m³	%	Raw cts	No. /m³	%
Char particulate:	4	27	67.50	7	47	58.75	11	73	73.00	4	27	40.30
Soot particulate	0	0	0.00	0	0	0.00	1	7	7.00	0	0	0.00
Ash:	2	13	32.50	5	33	41.25	3	20	20.00	6	40	59.70
Total numbers / m³	**40**			**80**			**100**			**67**		
Comments												
Limit of Detection	7			7			7			7		

*Background debris is an indication of amounts of biological and non-biological particulate matters present on the sample and is characterized as very light, light, moderate, heavy or very heavy. Very heavy background debris may obscure particulate matters, reducing visibility during analysis. Consequently, counts from very heavy background debris should be considered minimal. The laboratory and its personnel shall not be held liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. This report relates only to samples submitted and analyzed.

Sample(s) were analyzed by: P. Chakravarty, Ph.D., Sr. Environmental Microbiologist P. Chakravarty

Char / Soot / Ash Particulate Report
(Aerosol Samples)
1/13/2025

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Mario Virgen/Miguel Virgen	Lab Reference No.: 00028-25-0041
Global Environmental Training & Consulting	Date Collected: January 12, 2025
1520 W. Cameron Ave., Suite 103, West Covina, CA 91790	Date Received: January 13, 2025
Tel: 626-962-4436 Fax: 626-962-4437	Date Analyzed: January 13, 2025
E-mail: staff@globalenvirotraining.com	
Client's Project: CSULA-Student Services Bldg - E225-004	Sample(s) analyzed: 33

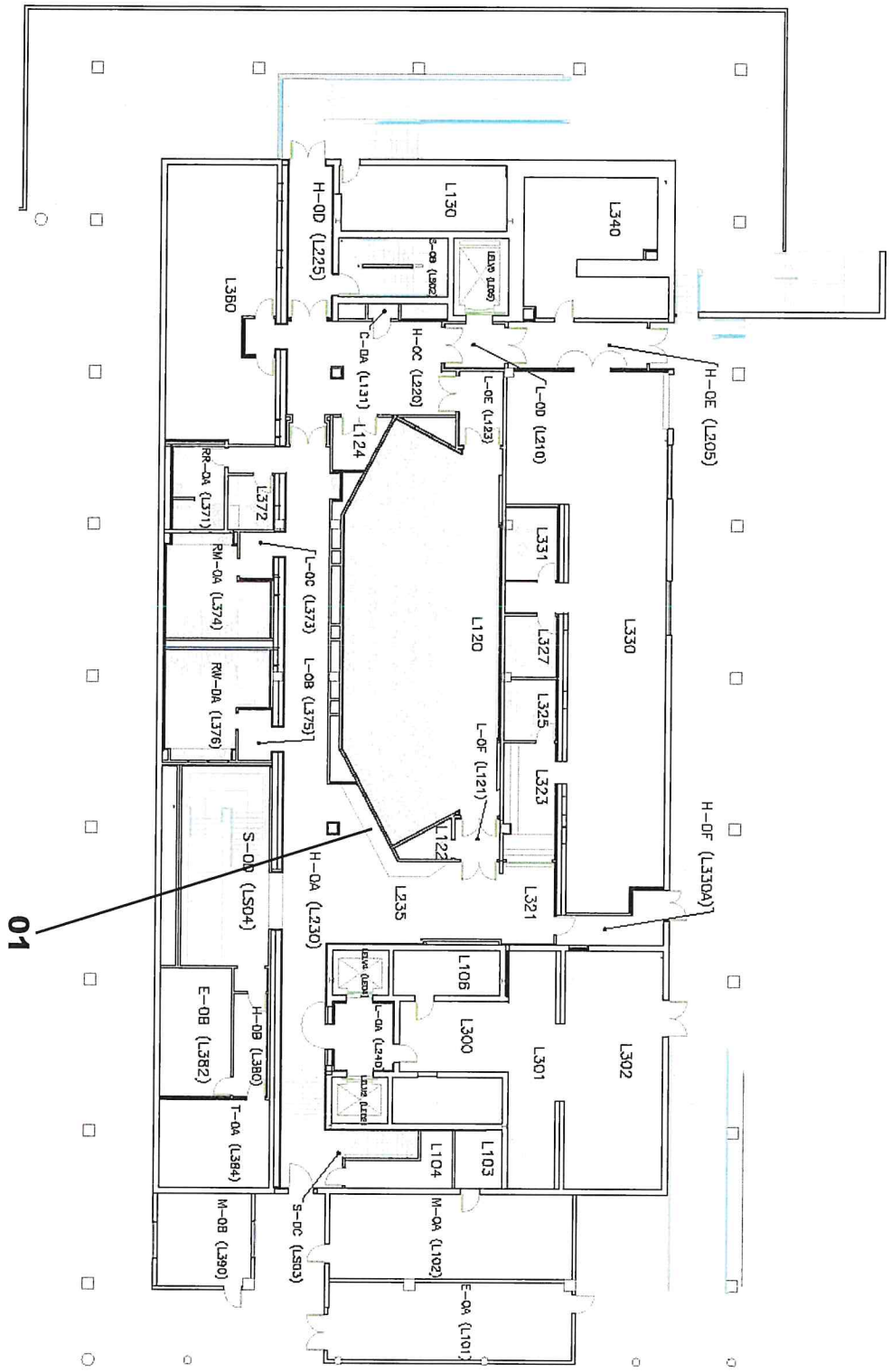
Laboratory Sample ID	12375		
Client Sample ID	**33**		
Location	8th Fl Rm 8390		
Volume (L)	150		
Background Debris*	Light		
Sample Description	AllergencoD		
	Raw cts	No. /m³	%
Char particulate:	3	20	60.61
Soot particulate	0	0	0.00
Ash:	2	13	39.39
Total numbers / m³		**33**	
Comments			
Limit of Detection		7	

*Background debris is an indication of amounts of biological and non-biological particulate matters present on the sample and is characterized as very light, light, moderate, heavy or very heavy. Very heavy background debris may obscure particulate matters, reducing visibility during analysis. Consequently, counts from very heavy background debris should be considered minimal. The laboratory and its personnel shall not be held liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. This report relates only to samples submitted and analyzed.

Sample(s) were analyzed by: P. Chakravarty, Ph.D., Sr. Environmental Microbiologist P. Chakravarty

APPENDIX C

SAMPLING SCHEME



BLDG **12**

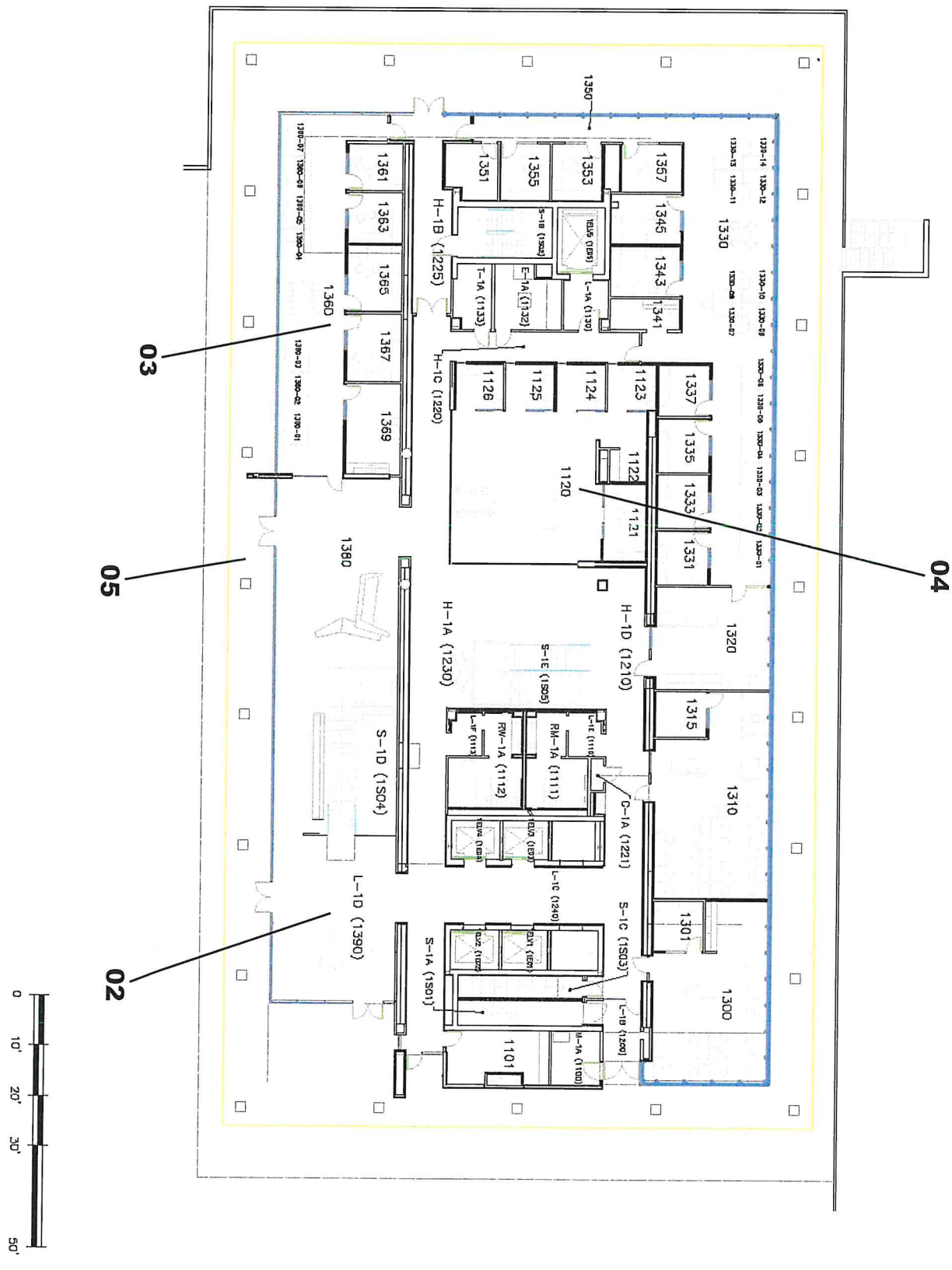
STUDENT SERVICES BUILDING

LOWER LEVEL

LAST UPDATED: 07-27-21

CAL STATE LA

PLANNING, DESIGN & CONSTRUCTION



BLDG **12**

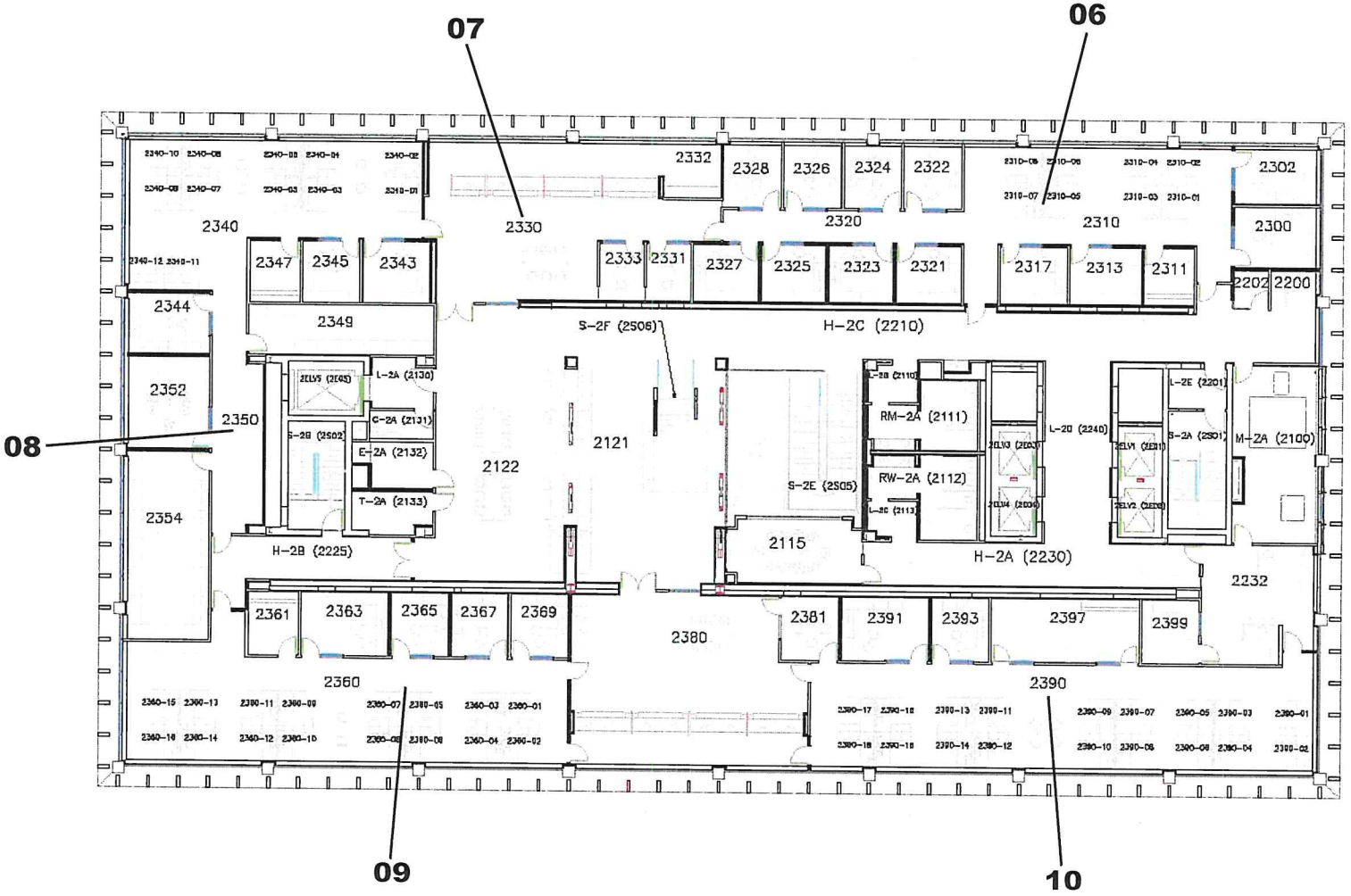
STUDENT SERVICES BUILDING

FIRST FLOOR

LAST UPDATED: 07-27-21

CAL STATE LA

PLANNING, DESIGN & CONSTRUCTION



CAL STATE LA
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STUDENT SERVICES BUILDING
SECOND FLOOR

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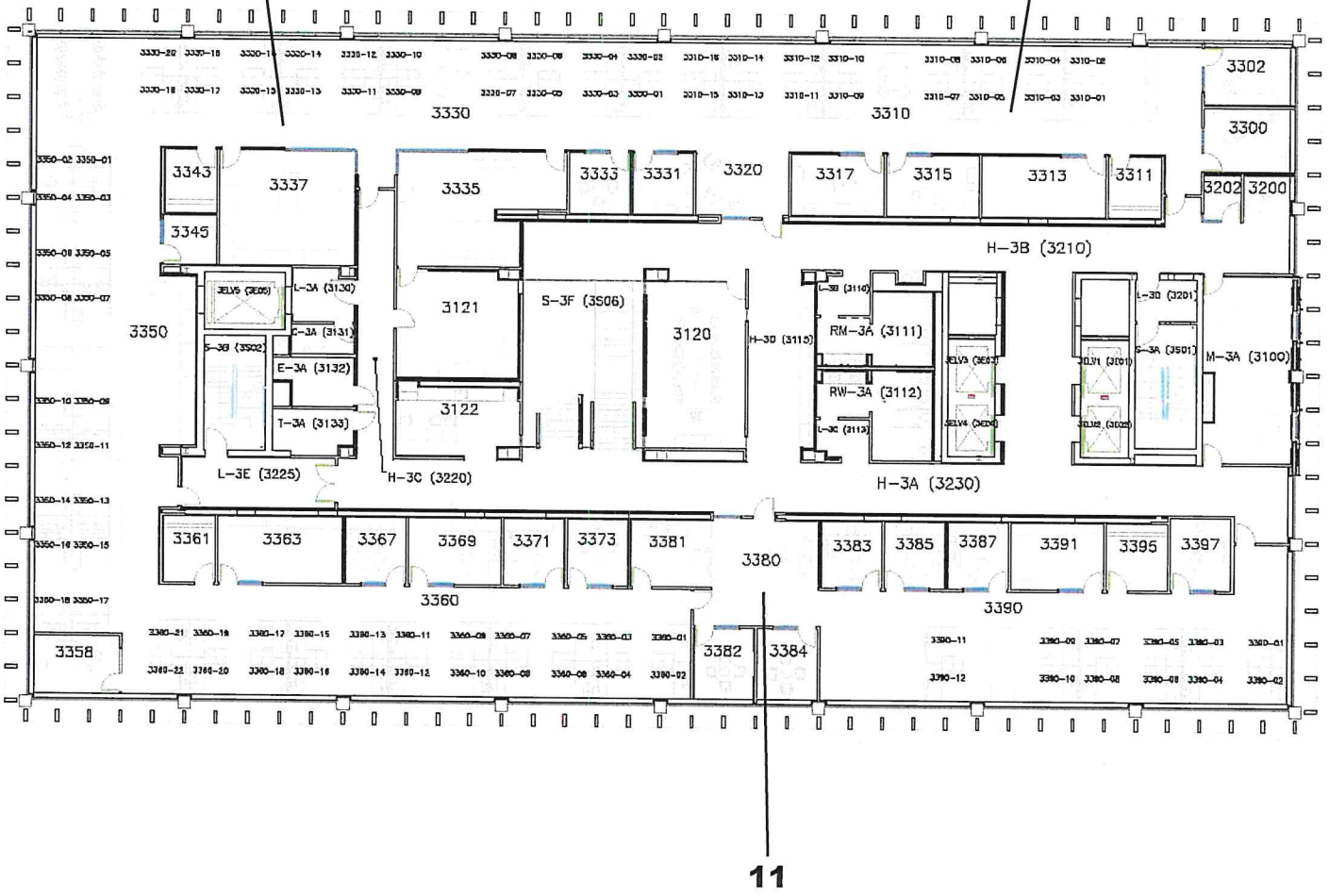
12



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STUDENT SERVICES BUILDING
THIRD FLOOR

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12

STUDENT SERVICES BUILDING

FOURTH FLOOR

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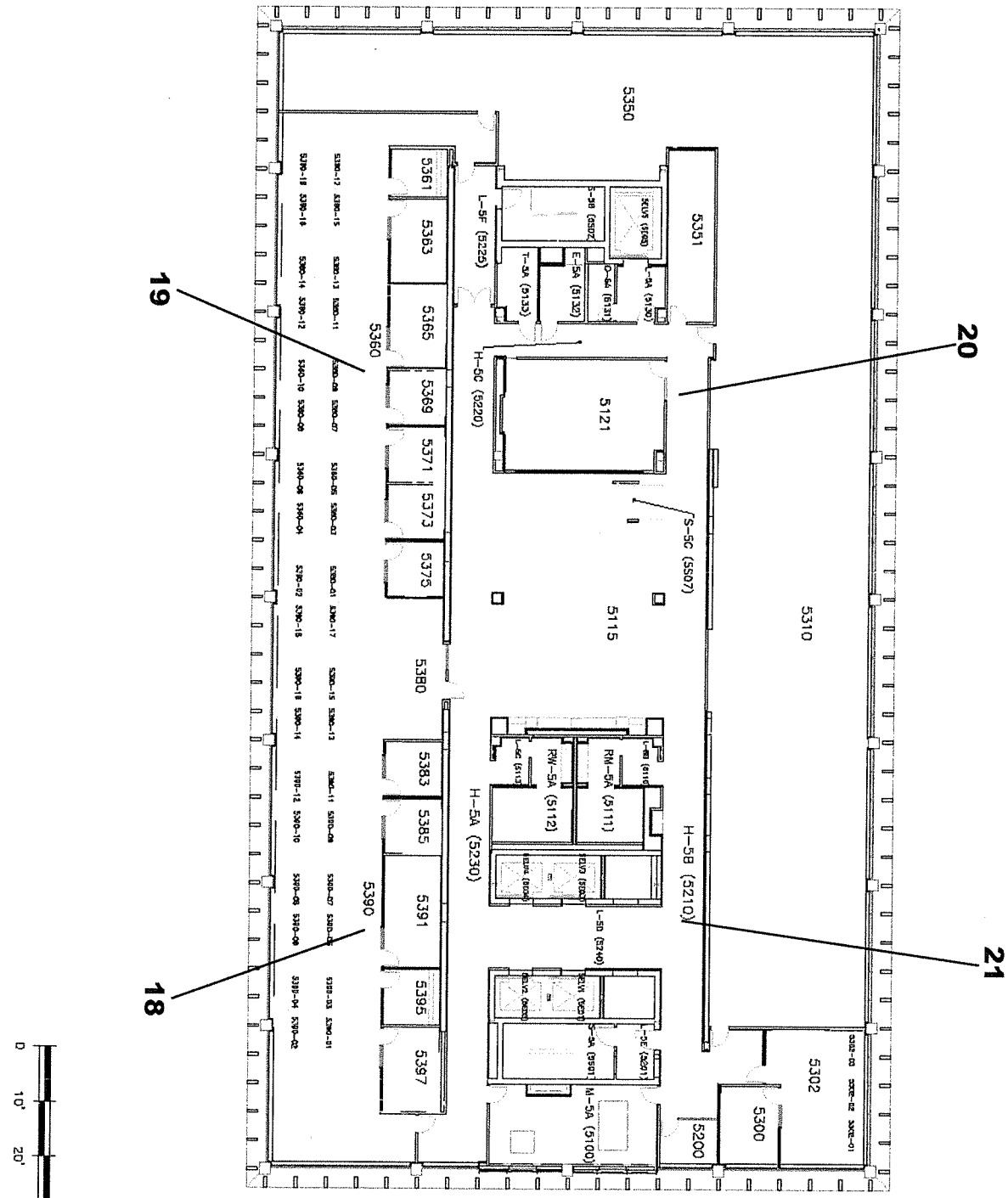

BLDG **12**

STUDENT SERVICES BUILDING

FIFTH FLOOR

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PLANNING, DESIGN & CONSTRUCTION

STUDENT SERVICES BUILDING
SIXTH FLOOR

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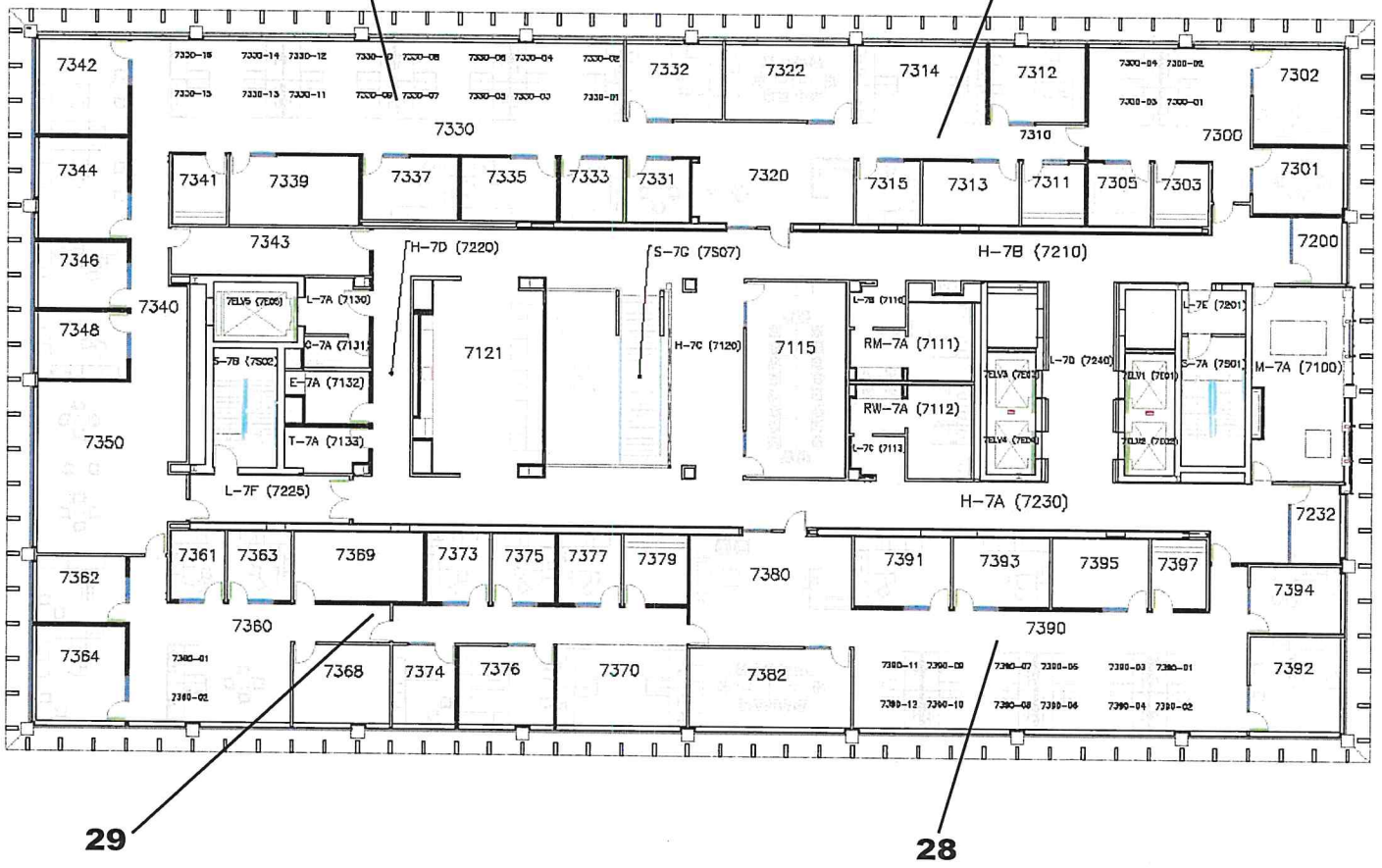
BLDG
12



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STUDENT SERVICES BUILDING
SEVENTH FLOOR

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BLDG
12

CAL STATE LA
PLANNING, DESIGN & CONSTRUCTION

STUDENT SERVICES BUILDING
EIGHTH FLOOR

LAST UPDATED: 07-29-21

BLDG
12