ASBESTOS CONTAINING MATERIALS INSPECTION REPORT

CDT Maunabo

Prepared for:

DEPARTAMENTO DE SALUD

Maunabo, Puerto Rico

Prepared by:
CMA Architects & Engineers LLC

May 9, 2022

CMA ARCHITECTS & ENGINEERS LLC

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1.0 INTRODUCTION

An environmental survey for Asbestos Containing Materials (ACM) was conducted by Puerto Rico Department of Natural and Environmental Resources (DNER) registered Asbestos Inspectors. The survey was conducted on May 3, 4 and 6, 2022, at the CDT Maunabo, Puerto Rico. This structure was impacted by Hurricane Maria in 2017, since then it was abandoned. **Figure Number 1** show an aerial photo of the inspected areas.

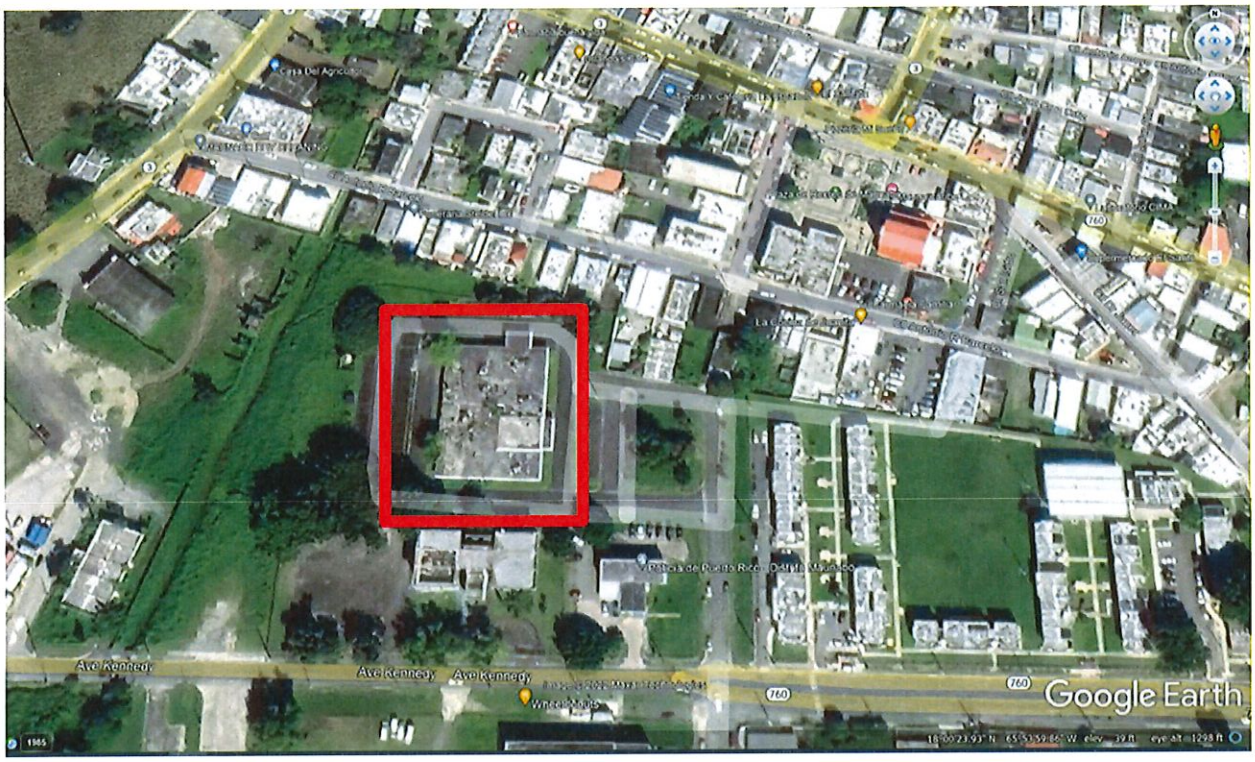


Figure Number 1 – Aerial Photo

For ACM, the survey was performed based on Asbestos Hazard Emergency Response Act (AHERA) protocol, according to the following scenario:

A. The structure was divided in functional spaces.

B. Physical and Hazard Assessment of suspected asbestos containing materials was performed.

The materials are defined as asbestos containing materials (ACM) if they contain more than 1% of asbestos. Samples are analyzed by Polarized Light Microscopy method (PLM), in accordance with EPA recommended procedures.

Asbestos was used in the construction industry from 1900 to 1989 and still being today in various products. The mere presence of asbestos containing materials does not necessary constitute a health hazard. However, when these materials become disturbed from building renovation, maintenance, or other activities that allow asbestos fibers to be released into the environment, a potential hazard does exist.

2.0 TESTING / SAMPLING PROCEDURES

For asbestos, all functional spaces will be visited and visually inspected to identify the location of any suspected ACM. An assessment will be made of the friability of suspected ACM by touching the material to determine if could be pulverized, crumbled, or reduced to powder by hand pressure. Upon completion of functional space investigation, bulk samples were collected of all suspect materials (if any) and grouped into homogeneous sampling areas (areas which are uniform by color, texture, construction / application date and general appearance). **Appendix A** shows a copy of the Layout Plan. The following photos show a general view of the sample's location.

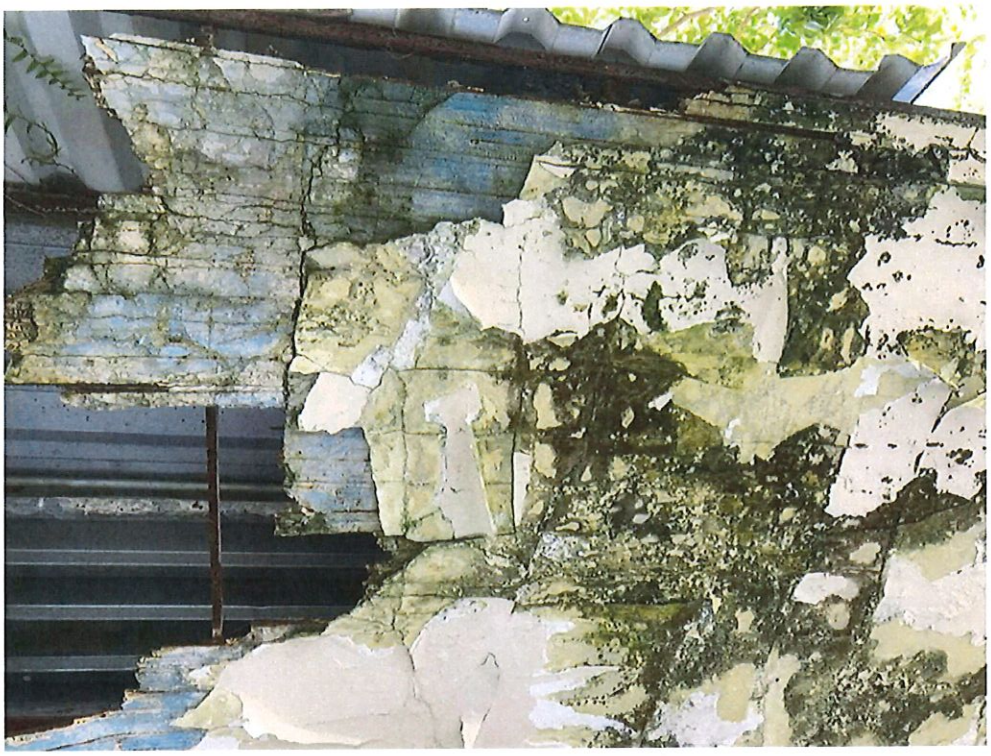


Photo Number 1 – Alero Building exterior, Wall "B"

Photo Number 2 – Alero Building Exterior, Wall "C"

Photo Number 3 – Drywall Building Exterior, Wall "D"

Photo Number 4 – Clinical Dental X-Ray Room Wall "C"

Photo Number 5 – Work Area Floor Tiles

Photo Number 6 – Information Room Floor Tiles

Photo Number 7 – Exam & Treatment Room Red Mastic Duct Air

Photo Number 8 – Exam & Treatment Room Acoustic Ceiling

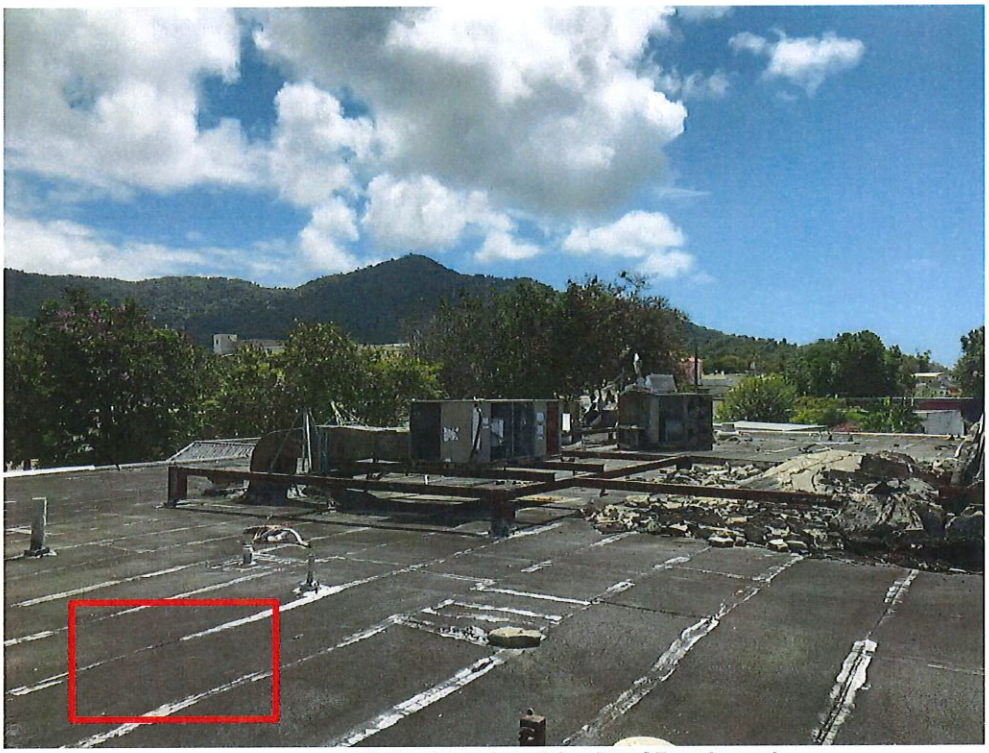


Photo Number 10 – Roof Treatment

Photo Number 11 - Roof Concrete

Photo Number 12- Hot Water Return Pipe Insulation

3.0 INSPECTION RESULTS FOR ASBESTOS

ACM suspected elements were collected at the CDT Maunabo material components included wall interior and exterior building, Alero, red mastic in the duct air, acoustic ceiling, Alero and floor tiles. Thirty-five (35) samples were analyzed at the laboratory. **Appendix B** shows a copy of the laboratory analysis report.

Bulk samples were analyzed by Polarized Light Microscopy method (PLM), in accordance with EPA recommended procedures. ACM Inspector[1] Credentials is included in **Appendix C**.

Of these bulk samples, six positives were found to contain Asbestos fibers and are positive for ACM under current regulations. The following tables show a summary of the sample results.

[1] A person accredited by an asbestos-training school and registered in the Board; the one that determines the presence of asbestos in a building. Must evaluate the asbestos-containing material and building characteristics.

Table Number 1: Laboratory Results Summary Building Job ID: B22050014					
CMA No. 21300			LBP Inspector: Pedro A. Janer[2] Juan A. Fernández		
Date of Inspection: May 3,2022			Date of Results: May 4, 2022		
Sample ID	**Functional Space**	**Location**	**Type**	**Laboratory Result %**	**Positive/ Negative**
ACM-1	Alero	Building exterior, Wall B	Miscellaneous	Synthetic 4, Sand/ Aggregates 60, Binders/Paint 36	Negative
ACM-2	Alero	Building exterior, Wall B	Miscellaneous	Synthetic 3, Sand/ Aggregates 50, Binders/Paint 47	Negative
ACM-3	Alero	Building exterior, Wall B	Miscellaneous	Synthetic 2, Sand/ Aggregates 78, Binders/Paint 20	Negative
ACM-4	Alero	Building exterior, Wall C	Miscellaneous	Cellulose 2, Synthetic 2 Sand/ Aggregates 75, Binders/Paint 21	Negative
ACM-5	Alero	Building exterior, Wall C	Miscellaneous	Cellulose 2, Synthetic 3 Metal 15 Sand/ Aggregates 75, Binders/Paint 5	Negative
ACM-6	Alero	Building exterior, Wall C	Miscellaneous	Cellulose 3, Synthetic 2 Metal 15 Sand/ Aggregates 50, Binders/Paint 30	Negative
ACM-7	Drywall	Building exterior, Wall D	Miscellaneous	Cellulose 12, Glass Fiber 15 Sand/ Aggregates 25, Binders/Paint 48	Negative
ACM-8	Drywall	Building exterior, Wall D	Miscellaneous	Cellulose 10, Synthetic 12 Sand/ Aggregates 50, Binders/Paint 28	Negative
ACM-9	Drywall	Building exterior, Wall D	Miscellaneous	Cellulose 15, Synthetic 20 Sand/ Aggregates 45, Binders/Paint 20	Negative
ACM-10	Wall C	Clinical Dental X-ray room 8C PLAN III	Miscellaneous	Cellulose 15, Synthetic 10 Binders/Paint 75	Negative
ACM-11	Wall C	Clinical Dental X-ray room 8C PLAN III	Miscellaneous	Cellulose 15, Synthetic 12 Binders/Paint 73	Negative
ACM-12	Wall C	Clinical Dental X-ray room 8C PLAN III	Miscellaneous	Cellulose 18, Synthetic 10 Binders/Paint 72	Negative
ACM-14	Tile Floor	Work Area 6C PLAN III	Miscellaneous	Cellulose 2 Sand/ Aggregates 25 Glue 5 Binders/Paint 68	Negative
ACM-15	Tile Floor	Work Area 6C PLAN III	Miscellaneous	Cellulose 2 Sand/ Aggregates 20 Glue 5	Negative

[2] ACM Inspector Credential is included as Appendix B.

Table Number 1: Laboratory Results Summary Building Job ID: B22050014					
CMA No. 21300			LBP Inspector: Pedro A. Janer[2] Juan A. Fernández		
Date of Inspection: May 3,2022			Date of Results: May 4, 2022		
Sample ID	Functional Space	Location	Type	Laboratory Result %	Positive/ Negative
				Binders/Paint 73	
ACM-16	Tile Floor	Information room 97C PLAN II	Miscellaneous	Cellulose 3 Bitumen 5 Sand/ Aggregates 25 Binders/Paint 65	Positive/Chrysotile 2
ACM-17	Tile Floor	Information room 97C PLAN II	Miscellaneous	Cellulose 2 Bitumen 5 Sand/ Aggregates 30 Binders/Paint 61	Positive/Chrysotile 2
ACM-18	Tile Floor	Information room 97C PLAN II	Miscellaneous	Cellulose 2 Bitumen 5 Sand/ Aggregates 20 Binders/Paint 71	Positive/Chrysotile 2

Table Number 1: Laboratory Results Summary Building Job ID: B22050023					
CMA No. 21300			LBP Inspector: Pedro A. Janer[3] Juan A. Fernández		
Date of Inspection: May 4,2022			Date of Results: May 5, 2022		
Sample ID	Functional Space	Location	Type	Laboratory Result %	Positive/ Negative
ACM-19	Red Mastic Duct Air	Exam & Treath 79C PLAN III	Miscellaneous	Cellulose 1 Aluminum 5 Glue 91	Positive/Chrysotile 3
ACM-20	Red Mastic Duct Air	Exam & Treath 79C PLAN III	Miscellaneous	Aluminum 3 Glue 95	Positive/Chrysotile 2
ACM-21	Red Mastic Duct Air	Exam & Treath 79C PLAN III	Miscellaneous	Cellulose 1 Glue 96	Positive/Chrysotile 3
ACM-22	Ceiling Tiles	Exam & Treath 79C PLAN III	Miscellaneous	Cellulose 25 Glass Fibers 10 Mineral wool 10 Perlite 25 Binders/Paint 30	Negative
ACM-23	Roof	Treatment	Miscellaneous	Cellulose 2 Glass Fibers 12 Bitumen 61 Sand/ Aggregates 25	Negative
ACM-24	Roof	Treatment	Miscellaneous	Cellulose 2 Glass Fibers 10 Bitumen 58 Sand/ Aggregates 30	Negative
ACM-25	Roof	Treatment	Miscellaneous	Cellulose 2 Glass Fibers 11 Bitumen 62 Sand/ Aggregates 25	Negative
ACM-26	Roof	Treatment	Miscellaneous	Cellulose 2 Glass Fibers 8 Bitumen 67	Negative

[3] ACM Inspector Credential is included as Appendix B.

Table Number 1: Laboratory Results Summary Building Job ID: B22050023					
CMA No. 21300			LBP Inspector: Pedro A. Janer[3] Juan A. Fernández		
Date of Inspection: May 4,2022			Date of Results: May 5, 2022		
Sample ID	Functional Space	Location	Type	Laboratory Result %	Positive/ Negative
				Sand/ Aggregates 23	
ACM-27	Roof	Treatment	Miscellaneous	Cellulose 3 Glass Fibers 7 Bitumen 70 Sand/ Aggregates 20	Negative
ACM-28	Roof	Treatment	Miscellaneous	Cellulose 2 Glass Fibers 20 Bitumen 75 Sand/ Aggregates 3	Negative
ACM-29	Roof	Treatment	Miscellaneous	Cellulose 2 Glass Fibers 30 Bitumen 58 Sand/ Aggregates 10	Negative
ACM-30	Roof	Concrete	Miscellaneous	Bitumen 10 Sand/ Aggregates 70 Binders/Paint 20	Negative
ACM-31	Roof	Concrete	Miscellaneous	Bitumen 7 Sand/ Aggregates 68 Binders/Paint 25	Negative
ACM-32	Roof	Concrete	Miscellaneous	Bitumen 3 Sand/ Aggregates 70 Binders/Paint 27	Negative

Table Number 1: Laboratory Results Summary Building Job ID: B22050037					
CMA No. 21300			LBP Inspector: Pedro A. Janer[4] Juan A. Fernández		
Date of Inspection: May 6,2022			Date of Results: May 9, 2022		
Sample ID	Functional Space	Location	Type	Laboratory Result %	Positive/ Negative
ACM-33	Hot Weather Return	Mechanical Room	Thermal system insulation	Glass Fibers 100	Negative
ACM-34	Hot Weather Return	Mechanical Room	Thermal system insulation	Glass Fibers 100	Negative
ACM-35	Hot Weather Return	Mechanical Room	Thermal system insulation	Glass Fibers 100	Negative

[4] ACM Inspector Credential is included as Appendix B.

4.0 CONCLUSIONS

Laboratory analysis confirmed the presence of asbestos in the red mastic air ducts at exam and treatment room (79C) and vinyl floor tiles bulk samples, from the information area (97C). Refer Appendix A & B Lay-out Plan Drawings and Laboratory Results.

If the materials with ACM will be impacted during the future projects, the ACM shall be removed prior to start the construction activity. The ACM abatement shall be carried out by a Licensed Asbestos Contractor with Certified Asbestos Supervisors and Workers. This report shall be kept by the owner and all future owners for the life of the building. A copy of the report shall be given to each tenant, buyer, or lessor, as to comply with federal requirements for disclosure under section 1018 of Title X and lead disclosure rule of 1996.

This inspection was performed, in general accordance with the U.S. Environmental Protection Agency and 40 CFR 763 AHERA, 40 CFR61, Sub Part M NESHAP and the Department of Natural and Environmental Resources (DNER) guidelines for presence of asbestos containing materials inspections.

5.0 INSPECTION CERTIFICATION

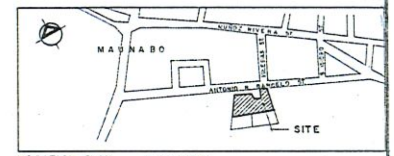
I, Pedro A. Janer Vila, have conducted this Asbestos Containing Materials Inspection at PRARNG Readiness Center, in the municipality of Aguadilla, in general accordance with Puerto Rico Department of Natural and Environmental Resources (DNER) & Federal Applicable Regulations.

By:

Pedro A. Janer Vila
Asbestos Containing Materials Registered Inspector
[5]ASB-0821-0382-SI

[5] Appendix C Certified Inspector Credentials

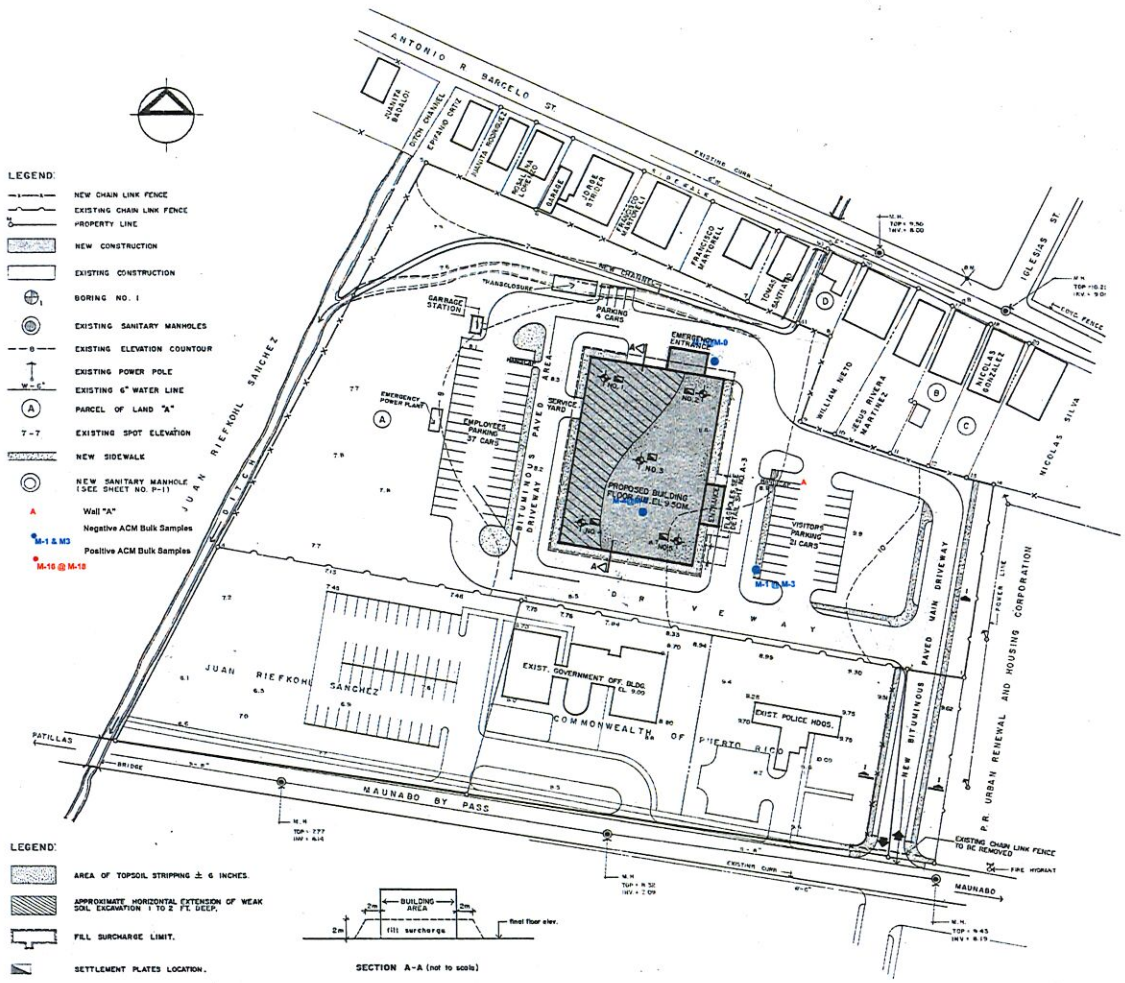
Appendix A
Layout Floor Plan



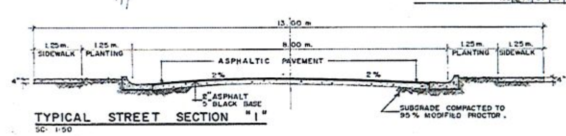
COURSE	BEARING	DISTANCE MTS.	POINT	COORDINATES X MTS.	COORDINATES Y MTS.	DESCRIPTION OF POINTS
PARCEL "A" PROPERTY OF JUAN RIEFKOHL SANCHEZ						
1-2	N 79° 43' W	15.40	1	1035.234	885.65	STEEL ROD
2-3	N 79° 43' W	102.08	2	1018.082	888.283	" "
3-4	N 79° 43' W	79.79	3	917.647	906.516	" "
4-5	N 28° 48' E	115.97	4	835.133	920.768	" "
5-6	S 64° 44' E	35.31	5	895.005	1022.400	CONC. MONUMENT
6-7	S 65° 47' E	60.40	6	923.318	1009.039	GARAGE CORNER
7-8	S 66° 48' E	22.32	7	978.404	984.258	GALV. PIPE
8-9	S 18° 55' W	24.10	8	999.006	975.404	FENCE CORNER
9-10	S 73° 07' E	9.64	9	991.108	952.663	CONC. COLUMN CORNER
10-11	S 70° 25' E	15.31	10	1000.337	949.861	CONC. MONUMENT
11-12	S 70° 10' E	10.22	11	1014.757	944.729	FENCE CORNER
12-13	S 73° 34' E	10.72	12	1024.374	941.261	" "
13-14	S 71° 32' E	7.17	13	1034.652	938.231	" "
14-1	S 09° 15' W	56.09	14	1041.400	935.961	CONC. MONUMENT
AREA = 15,267.03 M² ⟺ 3.8843 CDAS.						
PARCEL "B" PROPERTY OF PURIFICACION DOMINGUEZ VDA. NAVARRO						
11-15	N 22° 54' E	14.56	11	1041.450	933.961	FENCE CORNER
15-16	N 61° 44' W	04.35	15	1020.421	958.141	" "
16-17	N 24° 13' E	77.22	16	1070.116	956.365	" "
17-18	S 64° 57' E	11.58	17	1031.282	983.150	STEEL ROD
18-12	S 24° 55' W	40.86	18	1041.589	978.313	" "
12-11	N 70° 10' W	10.22	12	1024.374	941.261	FENCE CORNER
AREA = 452.48 M² ⟺ 0.1151 CDA.						
PARCEL "C" PROPERTY OF NICOLAS GONZALEZ						
12-18	N 24° 55' E	40.96	12	1024.374	941.261	FENCE CORNER
18-20	S 64° 50' E	10.32	18	1041.589	978.313	STEEL ROD
20-13	S 24° 31' W	39.23	20	1050.932	973.823	" "
13-12	N 73° 34' W	10.72	13	1034.652	938.231	FENCE CORNER
AREA = 418.96 M² ⟺ 0.1066 CDA.						
A-B	S 64° 31' 30" E	32.07	A	1000.000	1000.000	SPIKE
			B	1033.464	984.056	"
PARCEL "D" MUNICIPAL PROPERTY						
70-8	S 25° 41' W	20.58	70	1,007.927	993.954	FENCE CORNER
8-41	N 06° 36' W	9.05	8	999.006	975.404	" "
41-90	N 22° 45' W	20.46	41	990.699	978.989	GALV. PIPE
90-70	S 67° 15' E	10.10	90	998.609	997.863	FENCE CORNER
AREA = 196.42 MTS² ⟺ 0.0500 CDA.						

NOTE:

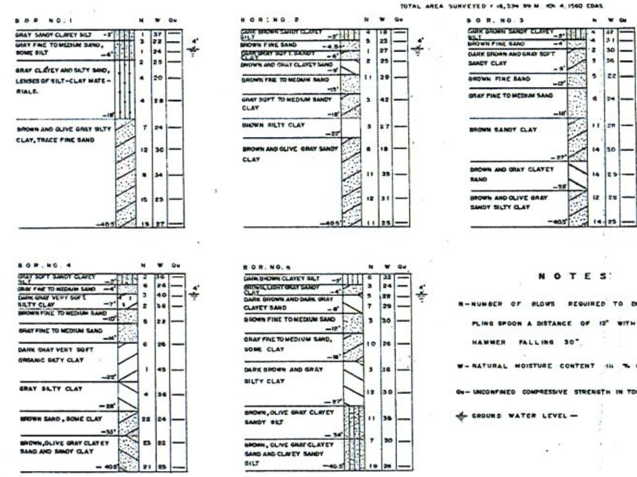
B.M. SPIKE ON EDGE OF CURB AT ANTONIO R. BARCELO ST.
ELEV = 10.00 M.
CONTOUR INTERVAL = 1.00M.
TOTAL AREA SURVEYED = 16,334.99 M. ⟺ 4.1560 CDAS.



SITE PLAN SCALE: 1:500
(SEE SITE BLOW-UPS on SHTS. NO.A3 & NO.A-4)



TYPICAL STREET SECTION "1"



BORING LOGS

NOTES:

N-NUMBER OF BLOWS REQUIRED TO DRIVE THE SAMPLING SPOON A DISTANCE OF 12" WITH A 140 LBS. HAMMER FALLING 30".

W-NATURAL MOISTURE CONTENT IN % OF DRY WEIGHT.

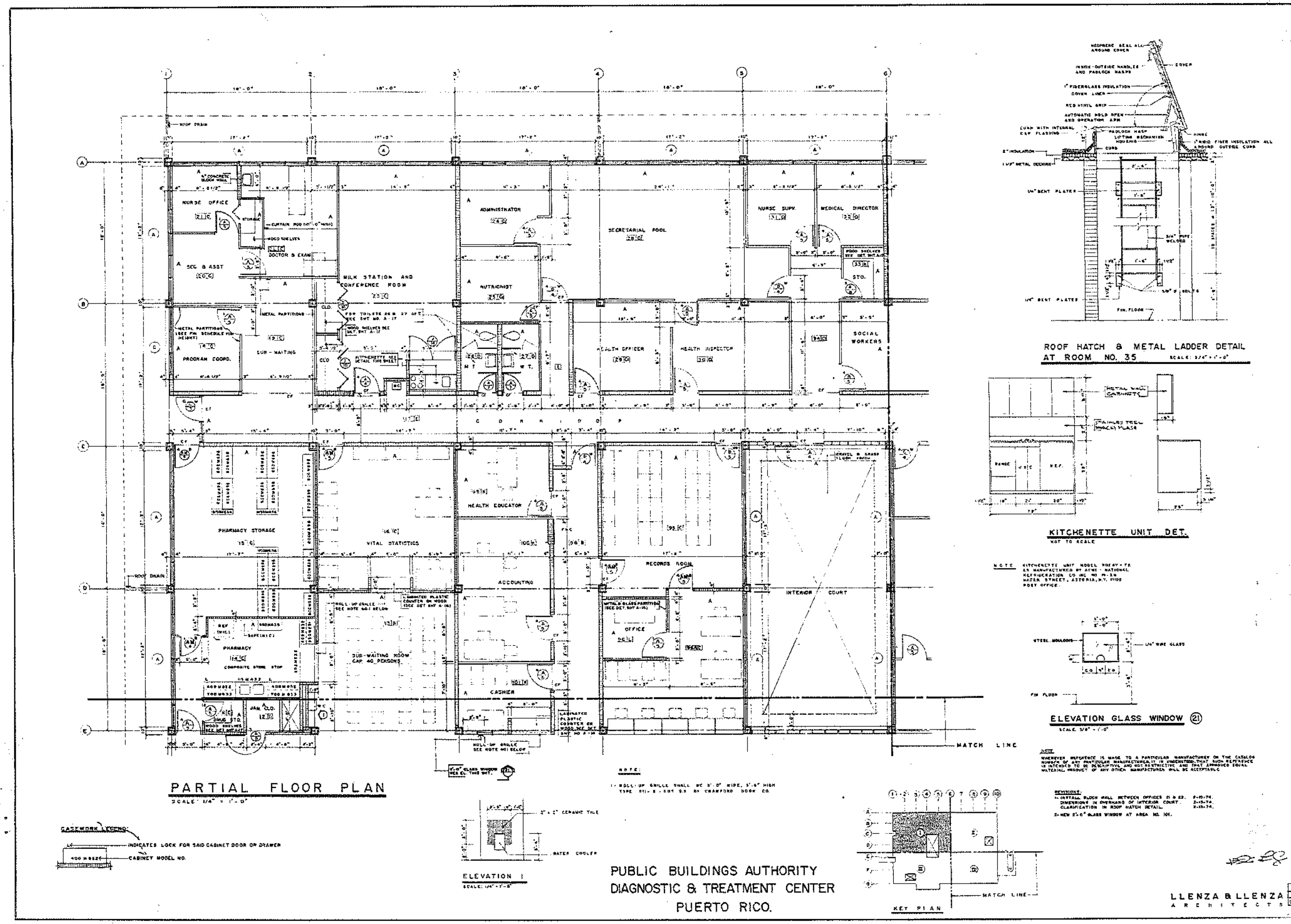
Qu-UNCONFINED COMPRESSIVE STRENGTH IN TONS PER SQ. FT.

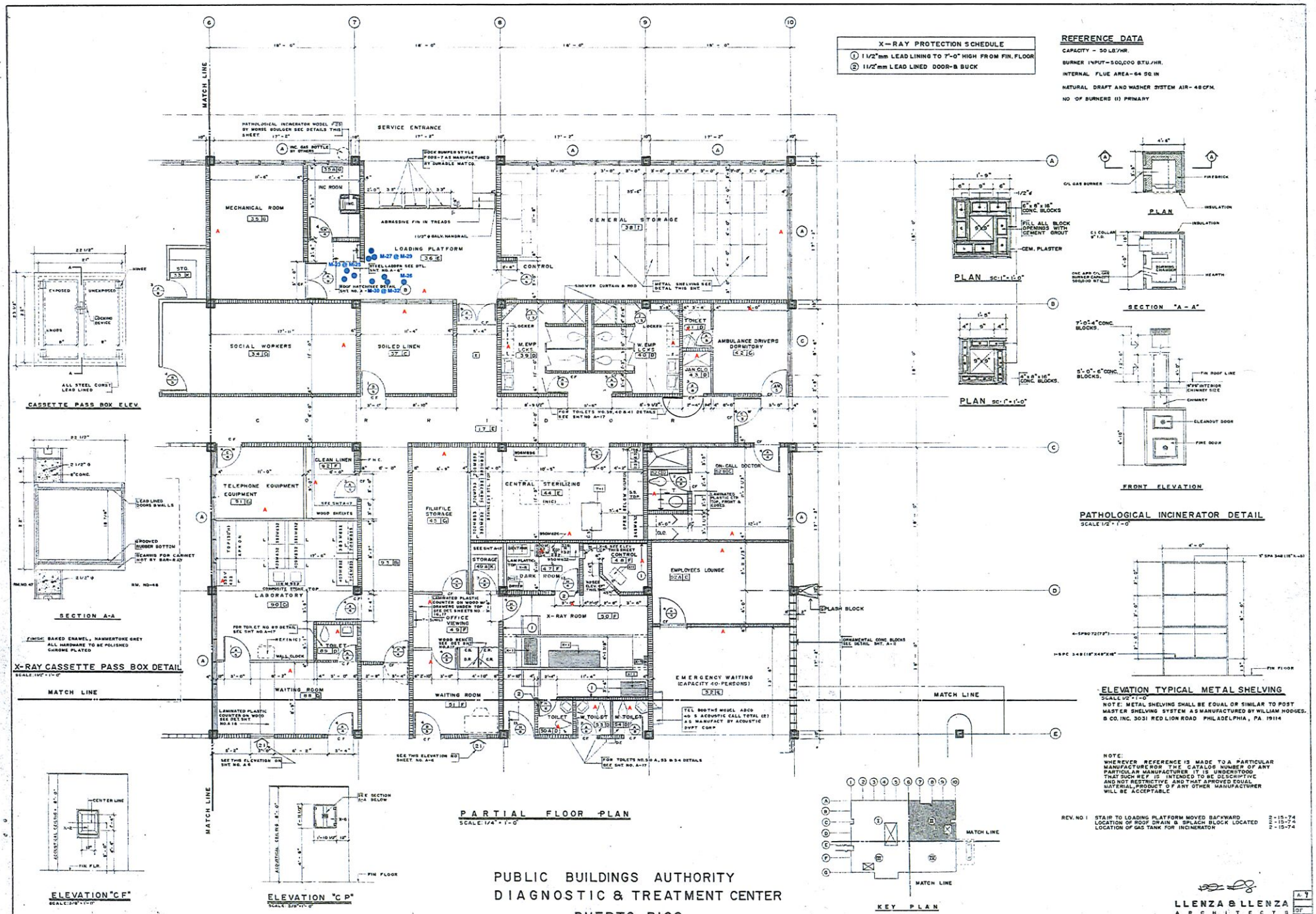
GROUND WATER LEVEL -

DEPARTMENT OF HEALTH
COMMONWEALTH OF PUERTO RICO
DIAGNOSTIC & TREATMENT
CENTER, MAUNABO, P.R.

LLENZA & LLENZA architects

A-2


PARTIAL FLOOR PLAN
SCALE 1/4" = 1'-0"
NURSE OFFICE
SEC & ASST
DOCTOR & EXAM
PROGRAM COORD.
SUB-WAITING
MILK STATION AND CONFERENCE ROOM
ADMINISTRATOR
NUTRICHIST
SECRETARIAL POOL
NURSE SUPV.
MEDICAL DIRECTOR
STO.
SOCIAL WORKERS
HEALTH OFFICER
HEALTH INSPECTOR
CORRIDOR
PHARMACY STORAGE
VITAL STATISTICS
HEALTH EDUCATOR
ACCOUNTING
RECORDS ROOM
OFFICE
INTERIOR COURT
PHARMACY
SUB-WAITING ROOM CAP. 40 PERSONS
CASHIER
JAN. CLO.
MATCH LINE
ROOF HATCH & METAL LADDER DETAIL AT ROOM NO. 35
KITCHENETTE UNIT DET.
NOT TO SCALE
NOTE: KITCHENETTE UNIT MODEL ... AS MANUFACTURED BY ACME - NATIONAL REFRIGERATION CO. INC. ... WATER STREET, ASTORIA, N.Y. 11105 POST OFFICE.
STEEL MOLDINGS
1/4" WIRE GLASS
FIN. FLOOR
ELEVATION GLASS WINDOW (21)
NOTE: WHENEVER REFERENCE IS MADE TO A PARTICULAR MANUFACTURER OR THE CATALOG NUMBER OF ANY PARTICULAR MANUFACTURER, IT IS UNDERSTOOD THAT SUCH REFERENCE IS INTENDED TO BE DESCRIPTIVE AND NOT RESTRICTIVE AND THAT APPROVED EQUAL MATERIAL PRODUCT OF ANY OTHER MANUFACTURER WILL BE ACCEPTABLE.
REVISIONS:
1- INSTALL BLOCK WALL BETWEEN OFFICES 21 & 22. DIMENSIONS IN OVERHANG OF INTERIOR COURT. CLARIFICATION IN ROOF HATCH DETAIL.
2- NEW 2'-0" GLASS WINDOW AT AREA NO. 101.
NOTE: 1- ROLL-UP GRILLE SHALL BE 5'-0" WIDE, 5'-6" HIGH ... BY CRAWFORD DOOR CO.
ELEVATION 1
2" x 2" CERAMIC TILE
WATER COOLER
CASEWORK LEGEND:
INDICATES LOCK FOR SAID CABINET DOOR OR DRAWER
CABINET MODEL NO.
KEY PLAN
PUBLIC BUILDINGS AUTHORITY
DIAGNOSTIC & TREATMENT CENTER
PUERTO RICO.
LLENZA & LLENZA
ARCHITECTS



NOTE:
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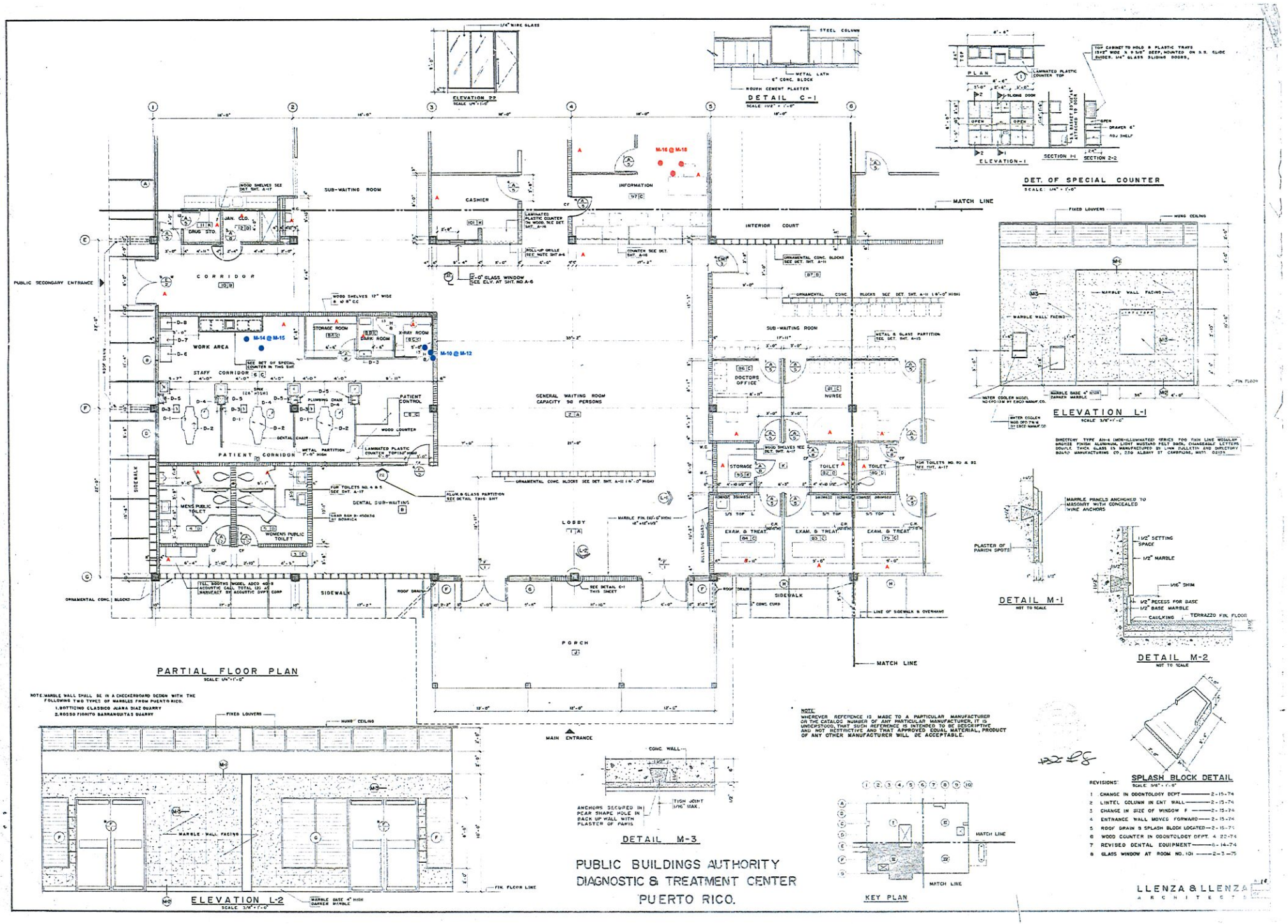
REV. NO 1 STAIR TO LOADING PLATFORM MOVED BACKWARD 2-15-74
LOCATION OF ROOF DRAIN & SPLASH BLOCK LOCATED 2-15-74
LOCATION OF GAS TANK FOR INCINERATOR 2-15-74

A 9
OF


PARTIAL FLOOR PLAN
SCALE: 1/4"=1'-0"
DETAIL C-1
SCALE: 1 1/2" = 1'-0"
DET. OF SPECIAL COUNTER
SCALE: 1/4" = 1'-0"
ELEVATION L-1
SCALE 3/8"=1'-0"
DETAIL M-1
NOT TO SCALE
DETAIL M-2
NOT TO SCALE
ELEVATION L-2
SCALE 3/8"=1'-0"
DETAIL M-3
SPLASH BLOCK DETAIL
SCALE: 3/8" = 1'-0"
KEY PLAN
MAIN ENTRANCE
PUBLIC SECONDARY ENTRANCE
CORRIDOR
SUB-WAITING ROOM
CASHIER
INFORMATION
INTERIOR COURT
WORK AREA
STAFF CORRIDOR
PATIENT CORRIDOR
GENERAL WAITING ROOM
CAPACITY 98 PERSONS
DOCTORS OFFICE
NURSE
LOBBY
PORCH
MENS PUBLIC TOILET
WOMENS PUBLIC TOILET
DENTAL SUB-WAITING
SIDEWALK
MATCH LINE
MARBLE WALL FACING
FIXED LOUVERS
HUNG CEILING
MARBLE PANELS ANCHORED TO MASONRY WITH CONCEALED WIRE ANCHORS
PLASTER OF PARIS SPOTS
1 1/2" SETTING SPACE
1/2" MARBLE
1/16" SHIM
1/2" RECESS FOR BASE
1/2" BASE MARBLE
CAULKING
TERRAZZO FIN. FLOOR
CONC. WALL
TIGH JOINT 1/16" MAX.
ANCHORS SECURED IN PEAR SHAPE HOLE IN BACK UP WALL WITH PLASTER OF PARIS
NOTE: MARBLE WALL SHALL BE IN A CHECKERBOARD DESIGN WITH THE FOLLOWING TWO TYPES OF MARBLES FROM PUERTO RICO.
1. BOTTICINO CLASSICO JUANA DIAZ QUARRY
2. ROSSO FIORITO BARRANQUITAS QUARRY
NOTE:
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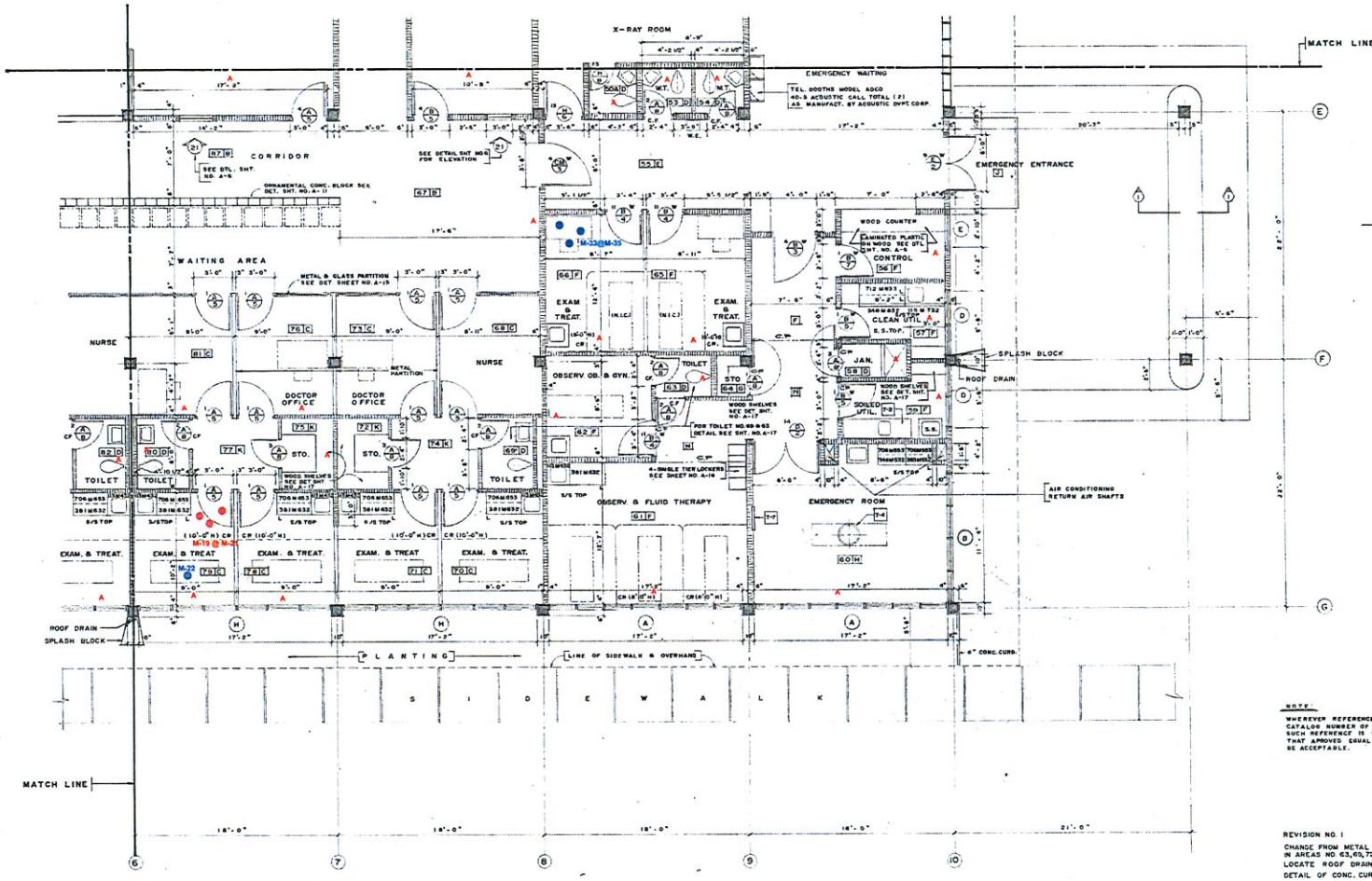
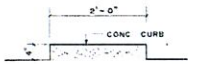
PUBLIC BUILDINGS AUTHORITY
DIAGNOSTIC & TREATMENT CENTER
PUERTO RICO.
LLENZA & LLENZA
ARCHITECTS
REVISIONS:
1 CHANGE IN ODONTOLOGY DEPT — 2-15-74
2 LINTEL COLUMN IN ENT WALL — 2-15-74
3 CHANGE IN SIZE OF WINDOW F — 2-15-74
4 ENTRANCE WALL MOVED FORWARD — 2-15-74
5 ROOF DRAIN & SPLASH BLOCK LOCATED — 2-15-74
6 WOOD COUNTER IN ODONTOLOGY DEPT. & 22-74
7 REVISED DENTAL EQUIPMENT — 6-14-74
8 GLASS WINDOW AT ROOM NO. 101 — 2-3-75





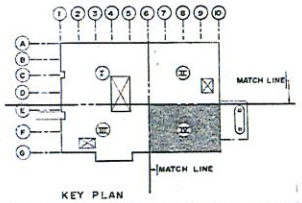
SECTION 1-1
SCALE 1" = 1'-0"

NOTE:
WHEREVER REFERENCE IS MADE TO A PARTICULAR MANUFACTURER OR THE CATALOG NUMBER OF ANY PARTICULAR MANUFACTURER, IT IS UNDERSTOOD, THAT SUCH REFERENCE IS INTENDED TO BE DESCRIPTIVE AND NOT RESTRICTIVE AND THAT APPROVED EQUAL MATERIAL, PRODUCT OF ANY OTHER MANUFACTURER WILL BE ACCEPTABLE.

REVISION NO. 1
CHANGE FROM METAL PARTITION TO BLOCK WALLS IN AREAS NO. 63,65,72,75, & 82 ——— 2/15/74
LOCATE ROOF DRAIN & SPLASH BLOCKS ——— 2/15/74
DETAIL OF CONC. CURB AT EMERGENCY ENT. ——— 2/15/74

PARTIAL FLOOR PLAN SCALE 1/4"-1'-0"

PUBLIC BUILDINGS AUTHORITY
DIAGNOSTIC & TREATMENT CENTER
PUERTO RICO.



KEY PLAN

LLENZA & LLENZA
ARCHITECTS

A-11

Appendix B
ACM Laboratory Results

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.
611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907
PH. (787) 722-0220 Fax (787) 724-5788

NVLAP LAB CODE 200051-0
TESTING

Job ID: B22050014

REPORT NUMBER

RP22050507

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	CMA Architects & Engineers	Date Collected:	05/03/2022
Project Name:	CDT Maunabo	Date Received:	05/04/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B22050014.01 B22050014.01.A M-1 Layer % of Total :100% Date Analyzed: 05/04/2022 Sample Location: Alero, Concreto, Wall B Comments:	Hard, Aggregates with Fibers Gray	No		Synthetic 4	Sand/Aggregates 60 Binders/Paint 36
B22050014.02 B22050014.02.A M-2 Layer % of Total :100% Date Analyzed: 05/04/2022 Sample Location: Alero, Concreto, Wall B Comments: Paint Included as Binders	Hard, Aggregates with Paint and Fibers Gray	No		Synthetic 3	Sand/Aggregates 50 Binders/Paint 47
B22050014.03 B22050014.03.A M-3 Layer % of Total :100% Date Analyzed: 05/04/2022 Sample Location: Alero, Concreto, Wall B Comments: Paint Included as Binders	Hard, Aggregates with Paint and Fibers Gray	No		Synthetic 2	Sand/Aggregates 78 Binders/Paint 20

MICROANALYST: _____
[Elme Rivera]

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to get the conclusive asbestos content. This report relates only to the items tested as received. This report shall not be reproduced except in full and not without written approval of the laboratory. This report shall not be used to claim endorsement by NVLAP or any agency of the US Government. Methods used for determination of asbestos in bulk samples are found in both methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

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Project Name:	CDT Maunabo	Date Received:	05/04/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B22050014.04 B22050014.04.A M-4 Layer % of Total :100% Date Analyzed: 05/04/2022 Sample Location: Alero, Concreto, Wall B Comments:	Hard, Aggregates with Fibers Gray	No		Cellulose 2 Synthetic 2	Sand/Aggregates 75 Binders/Paint 21
B22050014.05 B22050014.05.A M-5 Layer % of Total :100% Date Analyzed: 05/04/2022 Sample Location: Alero, Concreto, Wall B Comments:	Hard, Aggregates with Metal and Fibers Gray	No		Cellulose 2 Synthetic 3	Metals 15 Sand/Aggregates 75 Binders/Paint 5
B22050014.06 B22050014.06.A M-6 Layer % of Total :100% Date Analyzed: 05/04/2022 Sample Location: Alero, Concreto, Wall B Comments:	Hard, Aggregates with Metal and Fibers Gray	No		Cellulose 3 Synthetic 2	Metals 15 Sand/Aggregates 50 Binders/Paint 30
B22050014.07 B22050014.07.A M-7 Layer % of Total :100% Date Analyzed: 05/04/2022	Hard with Aggregates, Paint and Fibers Gray	No		Cellulose 12 Glass Fibers 15	Sand/Aggregates 25 Binders/Paint 48

MICROANALYST: _____
[Elme Rivera]

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Project Name:	CDT Maunabo	Date Received:	05/04/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Sample Location: Drywall, Wall D, Building Exterior Comments: Paint Included as Binders					
B22050014.08 B22050014.08.A M-8 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Drywall, Wall D, Building Exterior Comments: Paint Included as Binders	Hard with Aggregates, Paint and Fibers Gray	No		Cellulose 10 Synthetic 12	Sand/Aggregates 50 Binders/Paint 28
B22050014.09 B22050014.09.A M-9 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Drywall, Wall D, Building Exterior Comments: Paint Included as Binders	Hard, with Aggregates, Paint and Fibers Gray	No		Cellulose 15 Synthetic 20	Sand/Aggregates 45 Binders/Paint 20
B22050014.10 B22050014.10.A M-10 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: X Ray Room, Wall C Comments:	Semi-Hard, Silty with Paint and Fibers White	No		Cellulose 15 Synthetic 10	Binders/Paint 75

MICROANALYST: _____
[Elme Rivera]

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RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Paint Included as Binders					
B22050014.11 B22050014.11.A M-11 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: X Ray Room, Wall C Comments: Paint Included as Binders	Semi-Hard, Silty with Paint and Fibers White	No		Cellulose 15 Synthetic 12	Binders/Paint 73
B22050014.12 B22050014.12.A M-12 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: X Ray Room, Wall C Comments: Paint Included as Binders	Semi-Hard, Silty with Paint and Fibers White	No		Cellulose 18 Synthetic 10	Binders/Paint 72
B22050014.13 B22050014.13.A M-14 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Tile Floor, Work Area Comments:	Hard, Compact, Partly Granular with Glue Other - and Fibers Cream	No		Cellulose 2	Sand/Aggregates 25 Glue 5 Binders/Paint 68

MICROANALYST: _____
[Elme Rivera]

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Client Name:	CMA Architects & Engineers	Date Collected:	05/03/2022
Project Name:	CDT Maunabo	Date Received:	05/04/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B22050014.14 B22050014.14.A M-15 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Tile Floor, Work Area Comments:	Hard, Compact, Partly Granular with Glue Other - and Fibers Cream	No		Cellulose 2	Sand/Aggregates 20 Glue 5 Binders/Paint 73
B22050014.15 B22050014.15.A M-16 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Tile Floor, Information Comments: Asbestos Found in Bitumen	Hard, Compact, Partly Granular with Black Mastic Other - and Fibers Cream	Yes	Chrysotile 2	Cellulose 3	Bitumen 5 Sand/Aggregates 25 Binders/Paint 65
B22050014.16 B22050014.16.A M-17 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Tile Floor, Information Comments: Asbestos Found in Bitumen	Hard, Compact, Partly Granular with Black Mastic Other - and Fibers Cream	Yes	Chrysotile 2	Cellulose 2	Bitumen 5 Sand/Aggregates 30 Binders/Paint 61

MICROANALYST: _____
[Elme Rivera]

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Client Name:	CMA Architects & Engineers	Date Collected:	05/03/2022
Project Name:	CDT Maunabo	Date Received:	05/04/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B22050014.17 B22050014.17.A M-18 Layer % of Total :100%	Hard, Compact, Partly Granular with Black Mastic Other - and Fibers Cream	Yes	Chrysotile 2	Cellulose 2	Bitumen 5 Sand/Aggregates 20 Binders/Paint 71

Date Analyzed: 05/05/2022

Sample Location: Tile Floor, Information

Comments:
Asbestos Found in Bitumen

Comments:
For all heterogeneous and layered samples easily separated into sublayers, each component is analyzed and reported separately.
Samples are analyzed by PLM using dispersion staining techniques in accordance with US EPA methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

MICROANALYST: _____
[Elme Rivera]

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Transmittal Sheet for Bulk Sample Analysis

Client Name: Departamento Salud PR
Address: Hayuabo
Contact: Pedro Steiner
Phone/Fax: 787-782-1509

Project Name: CDT Hayuabo
Site Location: Hayuabo
Samplers Name: Juan Fernandez
Company: CMA

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
M-1	Stew, Concrete, Wall B	05/03/22	10:19	✓			B220500 IV .01
M-2	Stew, Concrete, Wall B	05/03/22	10:20	✓			.02
M-3	Stew, Concrete, Wall B	05/03/22	10:21	✓			.03
M-4	Stew, Concrete Wall C	05/3/22	10:37	✓			.04
M-5	Stew, Concrete Wall C	05/3/22	10:38	✓			.05
M-6	Stew, Concrete, Wall C	05/3/22	10:38	✓			.06
M-7	Drywall Wall D Building Exterior	5/3/22	11:24				.07
M-8	Drywall, Wall D Building Exterior	5/3/22	11:25				.08
M-9	Wall D Drywall Building Exterior	5/3/22	11:24				.09
M-10	X Ray Room Wall C	5/3/22	13:51				.10
M-11	X-Ray Room Wall C	5/3/22	13:51				.11
M-12	X-Ray Room Wall C	5/3/22	13:51				.12
M-14	Tile Floor Work Area	5/3/22	14:04				.13

Turnaround Time: Normal: ☐ Rush: ✓

Relinquished By:	José R. Garcia
Date/ Time:	May-4-2022 9:46 AM
Received By:	
Date/ Time:	5/4/22 9:50
Relinquished By:	
Date/ Time:	
Received By:	
Date/ Time:	

Delivered Directly to Lab: ☐ **Shipped:** ☐

Method of Shipment:

Lab. Recipient:

Date:

*Job ID:B22050014

CMA Architects & Engineers

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Transmittal Sheet for Bulk Sample Analysis

Client Name: Departamento de Salud
Address: Hacinabo
Contact: Pedro Sinen
Phone/Fax: 787-792-1519

Project Name: CDT Hacinabo
Site Location: Hacinabo
Samplers Name: Jhan Fernandez
Company: CMA

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
H-15	Tile Floor Work Area	5/3/22	14:04				B220500 14 .14
H-16	Tile Floor ~~Work Area~~ Deformation	5/3/22	14:52				.15
H-17	Tile Floor ~~Work~~ Deformation	5/3/22	14:52				.16
H-18	Tile floor Deformation	5/3/22	14:52				.17

Turnaround Time: Normal: [ ] Rush: [X]

Relinquished By:	José R. Garcia	**Delivered Directly to Lab:** [ ]	**Shipped:** [ ]
Date/ Time:	5-4-2022 9:46 AM		
Received By:		**Method of Shipment:**	
Date/ Time:	5/4/22 9:50		
Relinquished By:		**Lab. Recipient:**	
Date/ Time:			
Received By:		**Date:**	
Date/ Time:			

*Job ID:B22050014

CMA Architects & Engineers

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Job ID: B22050023

REPORT NUMBER

RP22050603

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	CMA Architects & Engineers	Date Collected:	05/04/2022
Project Name:	21300 CDT Maunabo	Date Received:	05/05/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B22050023.01 B22050023.01.A M-19 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Exam & Treath 79C Red Mastic Duct Air Comments:	Semi-Hard, Glue with Fibers and aluminum Red	Yes	Chrysotile 3	Cellulose 1	Aluminum 5 Glue 91
B22050023.02 B22050023.02.A M-20 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Exam & Treath 79C Red Mastic Duct Air Comments:	Semi-Hard, Glue with Fibers and aluminum Red	Yes	Chrysotile 2		Aluminum 3 Glue 95
B22050023.03 B22050023.03.A M-21 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Exam & Treath 79C Red Mastic Duct Air Comments:	Semi-Hard, Glue with Fibers and aluminum Red	Yes	Chrysotile 3	Cellulose 1	Glue 96
B22050023.04 B22050023.04.A M-22 Layer % of Total :100% Date Analyzed: 05/05/2022	Soft, Silty to Fibrous to Perlitic with Aggregates Other - and Paint Gray	No		Cellulose 25 Glass Fibers 10 Mineral Wool 10	Perlite 25 Binders/Paint 30

MICROANALYST: [Jessica Garcia]

QUALITY CONTROL: [Elme Rivera]

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POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

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Project Name:	21300 CDT Maunabo	Date Received:	05/05/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Sample Location: Exam & Treath 79C Acoustic Ceiling Comments: Paint Included as Binders					
B22050023.05 B22050023.05.A M-23 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Roof Treatment Comments:	Semi-Hard, Bituminous with Aggregates Other - and Fibers Black	No		Cellulose 2 Glass Fibers 12	Bitumen 61 Sand/Aggregates 25
B22050023.06 B22050023.06.A M-24 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Roof Treatment Comments:	Semi-Hard, Bituminous with Aggregates Other - and Fibers Black	No		Cellulose 2 Glass Fibers 10	Bitumen 58 Sand/Aggregates 30
B22050023.07 B22050023.07.A M-25 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Roof Treatment Comments:	Semi-Hard, Bituminous with Aggregates Other - and Fibers Black	No		Cellulose 2 Glass Fibers 11	Bitumen 62 Sand/Aggregates 25

MICROANALYST: [Jessica Garcia]

QUALITY CONTROL: [Elme Rivera]

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POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	CMA Architects & Engineers	Date Collected:	05/04/2022
Project Name:	21300 CDT Maunabo	Date Received:	05/05/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B22050023.08 B22050023.08.A M-26 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Roof Treatment Comments:	Semi-Hard, Bituminous with Aggregates Other - and Fibers Black	No		Cellulose 2 Glass Fibers 8	Bitumen 67 Sand/Aggregates 23
B22050023.09 B22050023.09.A M-27 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Roof Treatment Comments:	Semi-Hard, Bituminous with Aggregates Other - and Fibers Black	No		Cellulose 3 Glass Fibers 7	Bitumen 70 Sand/Aggregates 20
B22050023.10 B22050023.10.A M-28 Layer % of Total :100% Date Analyzed: 05/05/2022 Sample Location: Roof Treatment Comments:	Semi-Hard, Bituminous to Fibrous with Aggregates Black	No		Cellulose 2 Glass Fibers 20	Bitumen 75 Sand/Aggregates 3
B22050023.11 B22050023.11.A M-29 Layer % of Total :100% Date Analyzed: 05/05/2022	Semi-Hard, Bituminous to Fibrous with Aggregates Black	No		Cellulose 2 Glass Fibers 30	Bitumen 58 Sand/Aggregates 10

MICROANALYST: [Jessica Garcia]

QUALITY CONTROL: [Elme Rivera]

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Project Name:	21300 CDT Maunabo	Date Received:	05/05/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Sample Location: Roof Treatment					
Comments:					
B22050023.12	Semi-Hard, Aggregates with Black Mastic Gray	No			Bitumen 10 Sand/Aggregates 70 Binders/Paint 20
B22050023.12.A					
M-30					
Layer % of Total :100%					
Date Analyzed: 05/05/2022					
Sample Location: Roof Concrete					
Comments:					
B22050023.13	Semi-Hard, Aggregates with Black Mastic Gray	No			Bitumen 7 Sand/Aggregates 68 Binders/Paint 25
B22050023.13.A					
M-31					
Layer % of Total :100%					
Date Analyzed: 05/05/2022					
Sample Location: Roof Concrete					
Comments:					
B22050023.14	Semi-Hard, Aggregates with Black Mastic Gray	No			Bitumen 3 Sand/Aggregates 70 Binders/Paint 27
B22050023.14.A					
M-32					
Layer % of Total :100%					
Date Analyzed: 05/05/2022					
Sample Location: Roof Concrete					
Comments:					

Comments:
For all heterogeneous and layered samples easily separated into sublayers, each component is analyzed and reported separately.
Samples are analyzed by PLM using dispersion staining techniques in accordance with US EPA methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

MICROANALYST: [Jessica Garcia]

QUALITY CONTROL: [Elme Rivera]

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Job ID: B22050023

REPORT NUMBER

RP22050603

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

MICROANALYST: _____ [Jessica Garcia]

QUALITY CONTROL: _____ [Elme Rivera]

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to get the conclusive asbestos content. This report relates only to the items tested as received. This report shall not be reproduced except in full and not without written approval of the laboratory. This report shall not be used to claim endorsement by NVLAP or any agency of the US Government. Methods used for determination of asbestos in bulk samples are found in both methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.
611 Monserrate, 2nd. Floor, Santurce, P.R. 00907
Ph: (787) 722-0220 Fax: (787) 724-5788

Transmittal Sheet for Bulk Sample Analysis

Client Name: DEPARTAMENTO DE SALUD
Address: San Juan PR
Contact: Pedro Tinor
Phone/Fax: 787-793-1509 2802

Project Name: 21300 CDT Manati
Site Location: Manati
Samplers Name: Juan Fernandez
Company: CMA

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
M-19	Exam & Treath 79C Red Hastic Duct Air	5/04/22	10:08	✓			B2205002 3 .01
M-20	Exam & Treath 79C Red Hastic Duct Air	5/4/22	10:08	✓			.02
M-21	Exam & Treath 79C Red Hastic Duct Air	5/4/22	10:08	✓			.03
M-22	Exam & Treath 79C Acustic Ceiling	5/04/22	10:18	✓			.04
M-23	Roof treatment	5/04/22	13:01	✓			.05
M-24	Roof treatment	5/04/22	13:01	✓			.06
M-25	Roof treatment	5/4/22	13:02	✓			.07
M-26	Roof treatment	5/4/22	13:02	✓			.08
M-27	Roof treatment	5/4/22	13:03	✓			.09
M-28	Roof treatment	5/4/22	13:03	✓			.10
M-29	Roof treatment	5/4/22	13:04	✓			.11
M-30	Roof concrete	5/4/22	13:10	✓			.12
M-31	Roof Concrete	5/4/22	13:11	✓			.13
M-32	Roof Concrete	5/4/22	13:11				.14

Turnaround Time: Normal: ☐ Rush: ☒

Relinquished By:	José R. García	**Delivered Directly to Lab:** ☒	**Shipped:** ☐
Date/ Time:	May-5-2022 10:38 AM		
Received By:		**Method of Shipment:**	
Date/ Time:	5/5/22 10:45		
Relinquished By:		**Lab. Recipient:**	
Date/ Time:			
Received By:		**Date:**	
Date/ Time:			

*Job ID:B22050023

CMA Architects & Engineers

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.
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PH. (787) 722-0220 Fax (787) 724-5788

NVLAP LAB CODE 200051-0
TESTING

Job ID: B22050037

REPORT NUMBER

RP22051001

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	CMA Architects & Engineers	Date Collected:	05/06/2022
Project Name:	CDT Maunabo	Date Received:	05/09/2022
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID / Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B22050037.01 B22050037.01.A M-33 Layer % of Total :100% Date Analyzed: 05/09/2022 Sample Location: Mechanical Room Hot Water Return Comments:	Soft, Fibrous Yellow	No		Glass Fibers 100	
B22050037.02 B22050037.02.A M-34 Layer % of Total :100% Date Analyzed: 05/09/2022 Sample Location: Mechanical Room Hot Water Return Comments:	Soft, Fibrous Yellow	No		Glass Fibers 100	
B22050037.03 B22050037.03.A M-35 Layer % of Total :100% Date Analyzed: 05/09/2022 Sample Location: Mechanical Room Hot Water Return Comments:	Soft, Fibrous Yellow	No		Glass Fibers 100	

Comments:
For all heterogeneous and layered samples easily separated into sublayers, each component is analyzed and reported separately.
Samples are analyzed by PLM using dispersion staining techniques in accordance with US EPA methods App. E to Sub. E of 40 CFR Part 763 and EPA/600/R-93/116.

MICROANALYST: [Jessica Garcia]

QUALITY CONTROL: [Elme Rivera]

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Ph: (787) 722-0220 Fax: (787) 724-5788

Transmittal Sheet for Bulk Sample Analysis

Client Name: Departamento de Salud PR
Address: San Juan
Contact: Pedro Skiner
Phone/Fax: 787-290-1509

Project Name: CDT Maunabo
Site Location: Maunabo
Samplers Name: Juan Fernando
Company: CMA

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected Date	Collected Time	Analysis Required PLM	Analysis Required Other	Comments	Laboratory I.D.
M-33	Mechanical Room Hot Water Return	5/6/22	12:35	✓			B22050037 .01
M-34	Mechanical Room Hot Water Return	5/6/22	12:35	✓			.02
M-35	Mechanical Room Hot Water Return	5/6/22	12:35	✓			.03

Turnaround Time: Normal: ☐ Rush: ☐

Relinquished By:	José R. Garcia	Delivered Directly to Lab:	
Date/ Time:	Mayo-9-2022 9:00 AM		
Received By:	[signature]	Method of Shipment:	
Date/ Time:	5/9/22 9:00		
Relinquished By:		Lab. Recipient:	
Date/ Time:			
Received By:		Date:	
Date/ Time:			

*Job ID:B22050037
CMA Architects & Engineers

Appendix C
Certified Inspector Credentials


CERTIFICACIÓN PLOMO PUERTO RICO

Esta tarjeta autoriza a:

Juan A. Fernández Córdova

Para realizar actividades relacionadas a Mitigación de Pintura con Base de Plomo

Disciplina: **Inspector**

Fecha de Expiración: Noviembre 18, 2022

Firma Autorizada
Departamento de Recursos Naturales y Ambientales

Certificación #:
LBPI-29821-348


CERTIFICACIÓN PLOMO PUERTO RICO

Esta tarjeta autoriza a:

Pedro A. Janer Vila

Para realizar actividades relacionadas a Mitigación de Pintura con Base de Plomo

Disciplina: **Inspector**

Fecha de Expiración: Octubre 20, 2022

Firma Autorizada
Departamento de Recursos Naturales y Ambientales

Certificación #:
LBPI-29421-334