CARTA DE TRAMITE

3. Informe de inspección Ocular

Para: Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación De: Nombre de la Compañía Consultora: Benítez, Ramos & Associates, PSC PO BOX 364591 SAN JUAN PR 00936-4531 Dirección Postal: Teléfono: 787-707-1717 Nombre del Representante Autorizado: Norberto Benítez Torres Firma: Oscar Rodriguez Rivora Escuela: Código: DE 12435 Fecha de Municipio: Morovis Inspección: 8/2/2020 Nombre del Ingeniero que emite la recomendación: Anejos: 1. Recomendación al Secretario 2. Estampilla Digital Especial emitida por el CIAPR

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A.	GENERAL INFORMATION		
1,	Street Address of the School: Carr. 633, Km. 0.2, Bo. Barahona.		
	City: Morovis State: Puerto Rico Zip: 00687		
2.	School Name: Oscar Rodriguez Rivera		
3.	Date of inspection: February 8, 2020		
	• • •		
4.	Inspector's Name: Eng. Rafael Pozo Montás		
В.	BUILDING SITE INSPECTION		
5.	Utility Service Safety:		
detected	TANT–Immediately following an earthquake, check the entire property, especially near appliances, for the sme d, turn off the gas at the meter where it enters the house. Locate and repair leaks before turning gas back on. I e gas has been shut off, vacate the building and contact the gas utility company immediately.	ill of gas. If gas If the gas odor	odor is persists
IMPORT valve, ei	TANT–Before entering a damaged, vacant building verify that gas is off. Check the gas meter for damage and ither a manual valve or a seismically-activated gas shut-off valve. Do not enter the building if gas odor is detec	position of mail	n gas
	a. Odor of natural gas leakage? YES NO b. Downed powerlines? YES	⊁ NO	
6.	Surrounding topography: (check one) X Flat Gently sloping (easily walkable) Steeply sloping (difficult or impossible to walk in some areas)		
7.	Building pad: (gheck one)		
	X Flat		
	Terraced or multilevel		
	Gently sloping (less than 4-foot ground surface elevation difference across house) Steeply sloping (greater than 4-foot ground surface elevation difference across house)		
•		YES	NO
8.	Geotechnical Issues: (if yes, provide description and photos)	150	NO
	a. New cracks in the ground?		
	b. Signs of fresh cracking in or movement of hardscape?		✓
	c. Signs of fresh cracking in or movement of retaining walls?		X
	d. Patterns of cracking that extend through the ground surface, hardscape, and improvements?		×
	e. Evidence of sand boils or other fresh-appearing deposits of sand or mud?		X
	f. Unusual slumping, rising, or bulging of the ground surface?		X
	g. Evidence of rock falls or slope instability above site?		X
	h. Ground movement or wet areas indicating possible broken underground utility lines?		X
	i. Other phenomena (e.g., septic tanks surfacing, differential settlement, ground consolidation)?		ΓXI

B.	BUILDING SITE INSPECTION (continued)			ES NO
9,,	Evidence of earthquake-induced permanent ground defo	ormation	in the immediate vicinity of the property?	X
C.	GENERAL BUILDING INFORMATION			
10.	Safety Assessment Tag: (check one) (others):	Green Green	een X Yellow Red	
11. 12.	a) Year of original construction (best estimate):yrs. b) Total square footage (best estimate):39,900 SQ. FT. Have any repairs, modifications, or demolition been perfe		YE	ES NO
14.	If yes, describe		•	
13.	Building configuration: a. Single story b. Combination one and two story c. Full two story d. Three story e. Split level f. Typical g. Other, describe	16. 17.	Sill bolting: a. Structure bolted to foundation b. Structure not bolted to foundation c. Don't know Roof configuration: a. Gable b. Hip	
14.	Exterior wall finish: a. Stucco b. Panel siding c. Metal siding d. Masonry veneer X e. Other, describe Cement plaster	18.	 X c. Flat or very low slope d. Shed e. Other, describe Roof covering: X a. Asphaltic membrane b. Wood shingle or shake 	
15.	Foundation configuration: X a. Slab-on-grade b. Crawlspace without cripple walls c. Crawlspace with cripple walls d. Exposed piers or posts e. Typical f. Metal g. Other, describe		c. Concrete d. Metal e. Elastomeric f. Other, describe	
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D. EXTERIOR BUILDING INSPECTION			
19. General: (if yes, provide description and photos)	YES	NO	N/A
a. Collapse, partial collapse, or building off foundation?		X	
b. Obvious lean in any story?		X	
20. Exterior walls: (if yes, provide description and photos)			
a. Fresh cracking at corners of door and window openings?	П	X	
b. Fresh cracking at building corners?		X	
c. Door or window openings racked out of square?		X	
d. Broken glass in windows or doors?		X	
e. Wall leaning?		X	
f. Bulging or delamination of stucco?		\mathbf{x}	.—.
g. Pattern of cracking that extends from the ground surface, through foundation	, and wall?	X	
h. Evidence of recent relative movement at mudsill line?		X	
i At locations where the exterior stucco is continuous from the framing down	over the		X
foundation, is there cracking of stucco along the mudsill level accompanied b	y indications		_
of permanent displacement (sliding) of the building relative to the foundation	?		
j. Collapse, partial collapse, or separation of masonry veneer?			x
k. Severe cracking, separations, or offsets at building irregularities?			X
21. Foundation: (if yes, provide description and photos)			
a. Fresh cracking of exposed perimeter foundation?		X	
b. Relative movement between slab and footing in "two-pour" slab-on-gradefour	ndations?		X
c. Ask homeowner if any earthquake retrofits have been done to the home?			X
If Y describe:			
d. If the answer to c is Y, were bolts added to connect the home to the foundation	- Vertein		X
e. If the answer to c is Y, were plywood or sheathing added to any cripple walls unhome?	nder the		X

D.	EXTERIOR BUILDING INSPECTION (continued)			
	22. Kitchen Hook (if yes, provide description and photos)	YES	NO	N/A
	a. Present on external wall?	X		
	b. Present at internal location?	X		
	c. Collapse or partial collapse?		X	
	d. Visible damage orcracking?		X	
	e. Visible tilting or separation from building?		X	
	f. Shifted or loose and displaced		X	
	g. Deterioration or deformation		X	
23.	Roof: (if yes, provide description and photos)			
	Shifted or dislodged or concrete damage?		X	
	b. Impact damage to roof from falling object?		X	
	c. Displaced rooftop HVAC units?			X
	d. Significantly sagging roofridgelines?			X
	e. Signs of movement between rafter tails and wall finishes at eaves?			X
	f Buckled/dislodged flashing or tearing of roof membrane, roof/wall intersections in split			x
	level buildings, additions, or other building irregularities?			
	g. Tearing of roof membrane or deck waterproofing at re-entrant corners?			X
	h. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of rooftop			X
	mechanical equipment?			
	i. Shifting of or damage to solarpanels?			X

D. EXTERIOR BUILDING INSPECTION (continued)					
24. Attached or abutting improvements: (if yes, provide description and photos) a. Collapse, partial collapse, or separation of attached porches, carports, Gazebos, or awnings?	YES	NO X	N/A		
 b. Evidence of recent settlement or displacement of exterior steps, patios, or walkways relative to the building? 		X			
c. Signs of movement between building floor and/ or exterior hardscape or retaining wall along the uphill side of hon steeply sloping sites?			X		
d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of air conditioning condenser unit(s)?			X		
25. Independent exterior improvements: (if yes, provide description and photos)					
a. Damaged detached gazebo?	П	[X]			
b. Damage to fences / privacy walls?		X			
c. Damage to retaining walls?			X		
d. Damage to walkway?		X			
e. Evidence of leakage from water supply lines?		X			
f. Toppling, shifting, or damage/leakage at fuel connection of propane tanks?		X			
g. Others damage		X			
E INTERIOR INSPECTION					
26. General information	o Calab				
a. If interior access not possible, identify reason b. Typical wall and ceiling it. Red to a control of the con	ig tinish				
	i. Red tag ii. Hazardous materials iii. Plaster on gypsum lath				
iii. Other hazardous condition,					
describe iv. Other, describ	oe <u>Cement plaste</u>	<u>er</u>			
iv. Other, describe					

E.	INTERIOR INSPECTION (continued)			
27.	Walls: (if yes, provide descriptionand photos)	YES	NO	N/A
	a. Fresh cracking, buckling, spalling, or detachment of interior wall finish at corners of		X	
	door and window openings?			
	b. Fresh cracking of wall finishes at wall corners or wall/ceiling intersections?		X	
	c. Door or window openings racked out of square?		X	
	d. Wall leaning?		X	
	e. Pattern of cracking that extends from the floor slab through the wall?		X	
	f. Movement or sliding of walls relative to the floor?		X	
	g. Severe cracking, separations, or offsets at building irregularities?		X	
	h. Doors damaged, difficult to operate, or inoperable?		X	
	i. Windows damaged, difficult to operate, or inoperable?		X	
28.	Ceilings: (if yes, provide description and photos)			
	a. Collapse of ceiling finish?		X	
	b. Fresh cracking of ceiling finishes, especially at re-entrant corners; cracks along corner		X	
	bead at stairwell openings; cracking or tearing of finishes at ceiling/wall juncture; or multiple			
	"nail pops"?			
	c. Damage to ceiling finishes in vicinity of corridors or commons places?		X	
	d. Separations or cracks in ceiling finishes at split-levels, re-entrant corners,		X	
	additions, appendages, or other building discontinuities?			
	e. Water damage or evidence of recent leakage from plumbing lines or roofing?		X	

E.	INTERIOR INSPECTION (continued)			
29.	Floors: (if yes, provide description and photos)	YES	NO	N/A
	a. Evidence of recent sloping, sagging, settlement or displacement of floors?		X	
	b. In slab-on-grade locations, fresh cracking of floor slab or floor finishes?		X	
	c. Significant sagging or unusual bounciness of floors frames?		X	
ľ	d. Separations or cracks in floor finishes at split-levels, re-entrant corners, additions,		X	
	appendages, or other building discontinuities?		Γ V 1	
	e. Signs of movement between floor and exterior hardscape or retaining wall along	<u> </u>	X	Ш
	the uphill side of homes on steeply sloping sites?		x	
	f. A pattern of fresh cracks, gaps, or joint separations in floor finishes?			
	g. Impact damage to floor finishes from falling contents?		LXI	LI
				רעז
30.	Mechanical systems: (if yes, provide description and photos)		Ш	X
	a. Displaced connection of appliance flues connected to chimneys?			
	b. Toppling, shifting, leakage from tank, leakage from water connections displaced flue			∟ X i
	connection or damage/leakage at gas line or electrical connection of water heater?		г)	∟ ₩1
	c. Shifting, damage/leakage at gas line, flue connection, electrical connection, refrigerant line,			X
	and condensate drain connection of furnace or air conditioning fan-coil unit?			
	d. Damage to gas line of gas stoves or gas fueled clothes dryers?		X	
	e. Damage to toilets?			ш
	f. Decreased or restricted water pressure at appliances, faucets, or toilets?		[X]	
	g. Toppling or shifting of free-standing wood stove and/or flue?			X
	h. Toppling, shifting, damage/leakage at fuel connection of fuel oil tank?			
	i. Other Damage in the dining room		X	
	j. Damage near the gas tank			
		<u> </u>	_	-×

E.	INTERIOR INSPECTION(continued)			50
31.	Architectural woodwork and special finishes: (if yes, provide description and photos)	YES	NO	N/A
	a. Shifting of or damage to kitchen or bathroom cabinetry?		X	
	b. Impact damage to countertops from falling objects?		X	
	c. Cracking of ceramic tile in showers or tub/shower enclosures consistent with		X	
F.	CONTINGENT INSPECTIONS			
		YES	NO	N/A
32.	Retaining Tank Wall damage?			X
33.	Water tank or other field subterranean structure			X

3 .	RECOMENDACIÓN AL SECRETARIO	
	Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación	
	Hora de Entrada a Inspección: 11:35 am	Hora de Salida de Inspección: <u>1:15 pm</u>
	Escuela: Oscar Rodriguez Rivera.	Código: DE12435
	Municipio: Morovis	Fecha de Inspección: <u>2/8/2020</u>
	Abrir Escuela (Verde)	
	Abrir Parcialmente la Escuela (Amarillo)	
	No Abrir la Escuela (Rojo)	
	Comentarios: Edificio Antiquo Comedor (hoy se us	sa como covacha): no se puede utilizar por deterioro en
	Columnas, techo y paredes.	od como covacina). No se pacae animali por acterioro en
	En visita realizada se inspeccionaron los edificios La inspección responde a los eventos ocurridos semanas.	
	Se verificaron los elementos estructurales de todos no exhiben daños estructurales visibles que pueder	
It far see th	cility for the purpose of assessing the presence vismic event of January 07, 2020 which may aff e seismic event. The determination of the structural adequacy of the End construction building codes requirements as	t is based solely on a visual inspection of the as-is of significant structural damage resulting from the fect its structural condition compared to that prior to the existing facility to meet the applicable design well as developing recommendations for the stensive investigation than that one requested to be 10028 # Licencia
		Auerto Rico

Fecha de Expiración: 2024-09-30



COLEGIO DE INGENIEROS Y AGRIMENSORES DE PUERTO RICO

PO Box 363845 * San Juan, Puerto Rico * 00936-3845 Tel. 787-758-2250 * Fax. 787-758-7639

ESTAMPILLA DIGITAL ESPECIAL (EDE)

Ing. Rafael A. Pozo Montás, PE

Práctica de: Licencia:

Ingeniería 10028 RPA

2020-02-10

Renglón:

Servicio Profesional

Descripción del Trabajo: Informes Periciales

Fecha de Emisión: Monto Emitido:

\$5

Número de Serie:

4618-9553-2475-0234

Número de Caso:

12336

Proyecto / Unidad:

Ramon Torres Rivera

Rol del Profesional:

Evaluador





Certificación:

El profesional certifica con la emisión de la estampilla digital especial del Colegio de Ingenieros y Agrimensores de Puerto Rico el haber cumplido con las disposiciones de la Sección 11 de la Ley 319 del 15 de mayo de 1938, según enmendada.

La colocación del sello profesional constituye la cancelación de la estampilla digital especial