CARTA DE TRAMITE

Para: Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación De: Nombre de la Compañía Consultora: Benítez, Ramos & Associates, PSC Dirección Postal: PO BOX 364591 SAN JUAN PR 00936-4531 Teléfono: 787-707-1717 Nombre del Representante Autorizado: Norberto Benítez Torres Firma: Jorge Marrero Escuela: Código: DE 12369 Fecha de Municipio: MOVOVIS Inspección: 2/8/2020 Nombre del Ingeniero que emite la recomendación: Anejos: 1. Recomendación al Secretario 2. Estampilla Digital Especial emitida por el CIAPR 3. Informe de inspección Ocular

p

Α.	GENERAL INFORMATION		
1.	Street Address of the School: Bo. Pueblo, Calle Betances final.		
-	City: Morovis State: Puerto Rico Zip: 00687		
2.	School Name: <u>Jorge Marrero</u>		
3.	Date of inspection: February 8, 2020 _		
4.	Inspector's Name: Eng. Rafael Pozo Montás		
B.	BUILDING SITE INSPECTION		
5.	Utility Service Safety:		
detected	TANT–Immediately following an earthquake, check the entire property, especially near appliances, for the sm d, turn off the gas at the meter where it enters the house. Locate and repair leaks before turning gas back on. e gas has been shut off, vacate the building and contact the gas utility company immediately.	ell of gas. If ga . If the gas odd	as odor is or persists
IMPORT valve, ei	FANT–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 dete	d position of ma ected.	ain gas
	a. Odor of natural gas leakage? YES NO b. Downed powerlines? YES	NO 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: (check 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)		
-	, ,	VEO	NO
8.	Geotechnical Issues: (if yes, provide description and photos)	YES	NO
	a. New cracks in the ground?		X
	b. Signs of fresh cracking in or movement of hardscape?		X
	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?		
	i. Other phenomena (e.g., septic tanks surfacing, differential settlement, ground consolidation)?		×

В.	BUILDING SITE INSPECTION (continued) YES NO		
9.	Evidence of earthquake-induced permanent ground def	ormation i	n the immediate vicinity of the property?
C.	GENERAL BUILDING INFORMATION		•
10.	Safety Assessment Tag: (check one) None (others):	Green	en X Yellow Red
11.	a) Year of original construction (best estimate): 60-100 b) Total square footage (best estimate): 43,300 SQ. FT.		YES NO
12.	Have any repairs, modifications, or demolition been per 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 X b. Structure not bolted to foundation c. Don't know Roof configuration: a. Gable b. Hip X c. Flat or very low slope
14.	Exterior wall finish: a. Stucco b. Panel siding c. Metal siding d. Masonry veneer X e. Other, describe Cement plaster	18.	d. Shed e. Other, describe Roof covering: X a. Asphaltic membrane b. Wood shingle or shake c. Concrete
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		d. Metal e. Elastomeric f. Other, describe

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?		\mathbf{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?		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 by 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	
04		- · · · · · · · · · · · · · · · · · · ·			_
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-gradefoundations?			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?			X
		e. If the answer to c is Y, were plywood or sheathing added to any cripple walls under the home?			X

$\overline{}$				
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)			
	a. 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 solar panels?		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.				
		a. Damaged detached gazebo?		×	
		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			
		a. If interior access not possible, identify reason b. Typical wall and ceilin	g finish		
		i. Red tag i. Drywall ii. Hazardous materials iii. Plaster on gyp.	sum lath		
		iii. Other hazardous condition,			
		describe iv. Other, describ	e <u>Cement plaste</u>	<u>er</u>	
		iv. Other, describe			<u> </u>
		iv. Other, describe			

E.	INTERIOR INSPECTION (continued)			
27.	Walls: (if yes, provide description and photos)	YES	NO	N/A
IY	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	
	d. Separations or cracks in floor finishes at split-levels, re-entrant corners, additions,		X	
	appendages, or other building discontinuities?		רעו	
	e. Signs of movement between floor and exterior hardscape or retaining wall along	Ш	X	
	the uphill side of homes on steeply sloping sites?			
	f. A pattern of fresh cracks, gaps, or joint separations in floor finishes?		Lxl	
	g. Impact damage to floor finishes from falling contents?		X	Ш
		_		
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			ليجا
	connection or damage/leakage at gas line or electrical connection of water heater?			
	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?			X
	d. Damage to gas line of gas stoves or gas fueled clothes dryers?	3 (100)	F V 7	
	e. Damage to toilets?	:	X	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?			III
	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			
			النظاة	- X

E.	INTERIOR INSPECTION(continued)			
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	
ĺ	b. Impact damage to countertops from falling objects?		X	
	c. Cracking of ceramic tile in showers or tub/shower enclosures consistent with		X	
F.	CONTINGENTINSPECTIONS			
		YES	NO	N/A
32.	Retaining Tank Wall damage?			X
33.	Water tank or other field subterranean structure			X

	RECOMENDACIÓN AL SECRETARIO		
1	Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación		
	Hora de Entrada a Inspección: 8:45 am	Hora de Salida de Inspección: <u>11:10 am</u>	
ı	Escuela: <u>Jorge Marrero.</u>	Código: DE <u>12369</u>	
	Municipio: Morovis	Fecha de Inspección: 2/8/2020	
A	Abrir Escuela (Verde)	7	
A	Abrir Parcialmente la Escuela (Amarillo)		
١	No Abrir la Escuela (<mark>Rojo</mark>)		
9	Comentarios: Edificio José Fontán los siguientes grado, (las columnas del sótano están muy deter En visita realizada se inspeccionaron los edificios La inspección responde a los eventos ocurridos semanas.	y demás estructuras de la escuela en referencia.	
	Se verificaron los elementos estructurales de todos no exhiben daños estructurales visibles que puede		
It s factories the The and reh con	ility for the purpose of assessing the presence smic event of January 07, 2020 which may aff seismic event. I determination of the structural adequacy of a construction building codes requirements as	xtensive investigation than that one requested to be	
	Alexand 1.	Qadael A. Pozo Montage Licenciado	
-	irma	Access The No.	
Г	IIIIa	10028 # Licencia	
		11 E10011010	

Fecha de Expiración 2024-09-38



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:

Ingeniería

Licencia:

10028 RPA

Renglón:

Servicio Profesional

Descripción del Trabajo: Informes Periciales

Fecha de Emisión:

2020-02-10

Monto Emitido:

Número de Serie:

9610-5995-6648-5063

Número de Caso:

12369

Proyecto / Unidad:

Escuela Jorge Marrero

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