CARTA DE TRAMITE

Departamento de Educación

3. Informe de inspección Ocular

Para:

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: 1/13/20 Escuela: ESCUELA ESPECIALIZADA ALCIDES FIGUEROA Código: Fecha de ANASCO Municipio: Inspección: Nombre del Ingeniero que emite la recomendación: HUMBERTO MARRERO Anejos: 1. Recomendación al Secretario 2. Estampilla Digital Especial emitida por el CIAPR

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REC	OMEN	DACIÓN AL	. SECRETA	NI NI O		
Dr. Eli	gio Heri	de Educación ández Pérez Educación				
		de enero de 2 ides Figuero asco		AM	Código: Fecha de Inspección:	40519 13 de enero de 2020, 11:00 AM
Abrir F		Verde) ente la Escuela uela (<mark>Rojo</mark>)	a (<mark>Amarillo</mark>)			
Comen		TA PARA O	CUPAR Y O	PERAR DE	INMEDIATO	
		PTA PARA O	CUPAR Y O	PERAR DE	: INMEDIATO	
		PTA PARA O	CUPAR Y O	PERAR DE	INMEDIATO	



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. Humberto Marrero Recio, PE



Práctica de:

Ingeniería

Licencia:

14793

Renglón:

Servicio Profesional

Descripción del Trabajo: Inspección y Verificación de Instalaciones

Fecha de Emisión:

2020-01-27

Monto Emitido:

\$5

Número de Serie:

8295-1529-7009-7687

Número de Caso:

40519

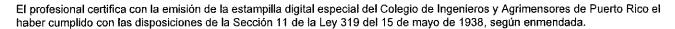
Proyecto / Unidad:

Alcides Figueroa

Rol del Profesional:

Evaluador





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



Α.	GENERAL INFORMATION	= सुरु 🕫 :	1 1 1	
1.	Street Address of the School:	Calle Maria Monagas	<u></u>	
<u></u>	City: Anasco	State: PR	Zip: 00610	
2.	School Name:	Alcides Figueroa	that the	
3.	Date of inspection:	13 de enero de 2020, 11:00	AM	
4.	Inspector's Name: Ing. Humberto Marrero	Recio, PE	å /I .	_
B.	BUILDING SITE INSPECTION	The April 1		
5. IMPOR	Utility Service Safety: IANT-Immediately following an earthquake, check the ention off the gas at the meter where it enters the house. Let gas has been shut off, vacate the building and contact the	ocate and repair leaks before turning gas		,
	FANT-Before entering a damaged, vacant building verify the ither a manual valve or a seismically-activated gas shut-off			
	a. Odor of natural gas leakage? YES NO	b. Downed powerlines?	YES 🛛 NO	
6.	Surrounding topography: (⊡check one) ☐ Flat ☐ Gently sloping (easily walkable) ☐ Steeply sloping (difficult or impossible to walk in sor	me areas)		
7.	Building pad: (©check one) Flat Terraced or multilevel Gently sloping (less than 4-foot ground surface elev Steeply sloping (greater than 4-foot ground surface	to the Country of April Schoolsteen 190 (2019)		
8.	Geotechnical Issues: (if yes, provide description and pho	otos)	YES 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 wa	alls?		
	d. Patterns of cracking that extend through the ground s			
	e. Evidence of sand boils or other fresh-appearing depo			
	f. Unusual slumping, rising, or bulging of the ground sur	rface?		
	g. Evidence of rock falls or slope instability above site?			
	h. Ground movement or wet areas indicating possible bri. Other phenomena (e.g., septic tanks surfacing, difference)	COLUMN STORES AND THE STORES OF THE STORES O		

В.	BUILDING SITE INSPECTION (continued)	an an an 19	YES	NO
9.	Evidence of earthquake-induced permanent ground deformat property?	ion in the immediate vicinity of the		\square
c.	GENERAL BUILDING INFORMATION			
10.	Safety Assessment Tag: (②check one) None (others): Yellow	Green Yellow Red		
11.	a) Year of original construction (best estimate): +50 yrs b) Total square footage (best estimate): +5,000 SF		YES	NO
12.	Have any repairs, modifications, or demolition been performed if yes, describeno retrofit or mitigation performed at time of inspection	d since the earthquake?	Ш	<u>₩</u>
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	Sill bolting: a. Structure bolted to foundate b. Structure not bolted to foundate c. Don't know Roof configuration: a. Gable b. Hip c. Flat or very low slope		
14.	Exterior wall finish: a. Stucco b. Panel siding c. Metal siding d. Masonry veneer e. Other, describe	d. Shed e. Other, describe Roof covering: a. Asphaltic membrane b. Wood shingle or shake		
15.	Foundation configuration: 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 spread footings	c. Concrete 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?		\square'	
	b. Obvious lean in any story?			
20.	Exterior walls: (if yes, provide description and photos)			
	a. Fresh cracking at corners of door and window openings?			
	b. Fresh cracking at building corners?			
п	c. Door or window openings racked out of square?		\square	
	d. Broken glass in windows or doors?			
10	e. Wall leaning?		\square	
	f. Bulging or delamination of stucco?		\square'	
	g. Pattern of cracking that extends from the ground surface, through foundation, and wall?			
	h. Evidence of recent relative movement at mudsill line?		\square	
	i. At locations where the exterior stucco is continuous from the framing down over the		\square'	
	foundation, is there cracking of stucco along the mudsill level accompanied by indications			
30	of permanent displacement (sliding) of the building relative to the foundation?		,	
	j. Collapse, partial collapse, or separation of masonry veneer?		\square	
	k. Severe cracking, separations, or offsets at building irregularities?		abla	
21.	Foundation: (if yes, provide description and photos)			
	a. Fresh cracking of exposed perimeter foundation?			
(I	b. Relative movement between slab and footing in "two-pour" slab-on-grade foundations?		\square'	
	c. Ask homeowner if any earthquake retrofits have been done to the home?		\square	
	If Y describe: no retrofit or mitigation performed at time of ins	pection		
	d. If the answer to c is Y, were bolts added to connect the home to the foundation?			
l	e. If the answer to c is Y, were plywood or sheathing added to any cripple walls under the home?			\square

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

D.	EXTERIOR BUILDING INSPECTION (continued)			
24.	Attached or abutting improvements: (if yes, provide description and photos)	YES	NO	N/A
	a. Collapse, partial collapse, or separation of attached porches, carports, Gazebos, or			
	awnings?			
	b. Evidence of recent settlement or displacement of exterior steps, patios,			1
	or walkways relative to the building?	_	_/	
	c. Signs of movement between building floor and/ or exterior hardscape or retaining	Ш	M	Ц
	wall along the uphill side of hon steeply sloping sites?	_		_
	d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of		abla	Ш
	air conditioning condenser unit(s)?			
25.	Independent exterior improvements: (if yes, provide description and photos)			7
	a. Damaged detached gazebo?		lacktriangledown	
	b. Damage to fences / privacy walls?		\square	
	c. Damage to retaining walls?	<u>-</u>	\square	
	d. Damage to walkway?		\square	
	e. Evidence of leakage from water supply lines?			
	f. Toppling, shifting, or damage/leakage at fuel connection of propane tanks?		<u>\</u>	
	g. Others damage		M	Ш
E.	INTERIOR INSPECTION			
26.	General information	oh.		
	 a. If interior access not possible, identify reason b. Typical wall and ceiling fini i. Red tag i. Drywall 	311		
	ii. Hazardous materials ii. Plaster on gypsum l	ath		
	iii. Other hazardous condition, iii. Plaster on wood lath			į.
	describe iv. Other, describe plas	ster on RC or con-	crete blocks	
	iv. Other, describe N/A			
				j.

E.	INTERIOR INSPECTION (continued)			
27.	Walls: (if yes, provide description and photos)	YES	NO	N/A
	a. Fresh cracking, buckling, spalling, or detachment of interior wall finish at corners of			
	door and window openings?			
	b. Fresh cracking of wall finishes at wall corners or wall/ceiling intersections?			
	c. Door or window openings racked out of square?		\square	
	d. Wall leaning?			
	e. Pattern of cracking that extends from the floor slab through the wall?		\square	
	f. Movement or sliding of walls relative to the floor?		\square	
	g. Severe cracking, separations, or offsets at building irregularities?		lacksquare	
	h. Doors damaged, difficult to operate, or inoperable?		\square	
	i. Windows damaged, difficult to operate, or inoperable?			
28.	Ceilings: (if yes, provide description and photos)			
	a. Collapse of ceiling finish?		\square	
	b. Fresh cracking of ceiling finishes, especially at re-entrant corners; cracks along corner			
	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?			
	d. Separations or cracks in ceiling finishes at split-levels, re-entrant corners,			
	additions, appendages, or other building discontinuities?		ji	
	e. Water damage or evidence of recent leakage from plumbing lines or roofing?			
				1
				1

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?		\square	
	b. In slab-on-grade locations, fresh cracking of floor slab or floor finishes?		\square	
	c. Significant sagging or unusual bounciness of floors frames?		\square	
	d. Separations or cracks in floor finishes at split-levels, re-entrant corners, additions,		abla	
	appendages, or other building discontinuities?	_	_	_
	e. Signs of movement between floor and exterior hardscape or retaining wall along	Ц		
	the uphill side of homes on steeply sloping sites?			
	f. A pattern of fresh cracks, gaps, or joint separations in floor finishes?			
	g. Impact damage to floor finishes from falling contents?	Ш	\square	Ш
			<u> </u>	
30.	Mechanical systems: (if yes, provide description and photos)	-	\square	
	a. Displaced connection of appliance flues connected to chimneys?		/	
	b. Toppling, shifting, leakage from tank, leakage from water connections displaced flue	Ц		Ш
	connection or damage/leakage at gas line or electrical connection of water heater?			` N
	c. Shifting, damage/leakage at gas line, flue connection, electrical connection, refrigerant line,		<u></u>	
	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?		_/	4
	e. Damage to toilets?		\square	
	f. Decreased or restricted water pressure at appliances, faucets, or toilets?			
	g. Toppling or shifting of free-standing wood stove and/or flue?			
	h. Toppling, shifting, damage/leakage at fuel connection of fuel oil tank?		ιΔ\ ι⊼ι	
	i. Other Damage in the dining room			
	j. Damage near the gas tank		∇	
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Where description is indicated, attach additional pages of notes and photographs keyed to appropriate checklist item.

E.	INTERIOR INSPECTION (continued)	12.19		
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?		abla	
	b. Impact damage to countertops from falling objects?		\square	
	c. Cracking of ceramic tile in showers or tub/shower enclosures consistent with			
	earthquake damage to adjacent wall finishes?			
F.	CONTINGENTINSPECTIONS			
		YES	NO	N/A
32.	Retaining Tank Wall damage?		\square	
33.	Water tank or other field subterranean structure	_ =	\square	

It should be noted that, as requested, this report is based solely on a visual inspection of the as-is facility for the purpose of assessing the presence of significant structural damage resulting from the seismic event of January 07, 2020 which may affect its structural condition compared to that prior to the seismic event. The determination of the structural adequacy of the existing facility to meet the applicable design and construction building codes requirements as well as developing recommendations for the rehabilitation of the facility will require a more extensive investigation than that one requested to be conducted and reported herein.

REC	COMENDACIÓN AL SECRETARIO		
Dr. E	artamento de Educación Eligio Hernández Pérez etario de Educación		
	: 13 de enero de 2020, 11:00 AM ela: Alcides Figueroa cipio: Añasco	Código: Fecha de Inspección:	40519 13 de enero de 2020, 11:00 AM
Abrir	Escuela (Verde) Parcialmente la Escuela (Amarillo) brir la Escuela (Rojo)		
	entarios: UELA APTA PARA OCUPAR Y OPERAR	DE INMEDIATO	
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