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 Benitez Torres

Firma:

Escuela: JOSÉ GONZACEZ RVIZ

Código: 4012

Municipio: AGUADA

Fecha de

Inspección:

1/13/20

Nombre del Ingeniero que emite la

recomendación:

HUMBERTO MARRERO

Anejos:

Recomendación al Secretario

2. Estampilla Digital Especial emitida por el CIAPR

√ 3. Informe de inspección Ocular

G.	RECOMENDACIÓN AL SECRETARIO		
ε	Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación		
	Hora: 13 de enero de 2020, 10:00 AM	Código:	40121
	Escuela: Jose Gonzalez Figueroa Municipio: Aguada	Fecha de Inspección:	13 de enero de 2020, 10:00 AM
_	Abrir Escuela (Verde) Abrir Parcialmente la Escuela (Amarillo)	**	
1-	No Abrir la Escuela (Rojo)	-	
-	Comentarios:		
-	ESCUELA APTA PARA OCUPAR Y OPERAR D	DE INMEDIATO	
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-	<u> </u>		
	Ing. Humberto Marrero Recio, PE Nombre (Letra de Molde)	14,793 # Licencia	MARREN NOGENIERO DE LIG. 14793 LIG. 14793 Sello



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

Rengión:

Servicio Profesional

Descripción del Trabajo: Inspección y Verificación de Instalaciones

Fecha de Emisión:

2020-01-27

Monto Emitido:

\$5

Número de Serie:

6369-2277-1269-7559

Número de Caso:

40121

Proyecto / Unidad:

Jose Gonzalez Ruiz

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

A.	GENERAL INFORMATION	ASrij	all a second
1.	Street Address of the School:	Carr. 416, Km. 5.3, Bo. Lagun	as
	City: Aguada	State: PR	Zip: 00602
2.	School Name:	Jose Gonzalez Figueroa	
3.	Date of inspection:	13 de enero de 2020, 10:	00 AM
4.	Inspector's Name: Ing. Humberto Marrero	Recio, PE	
B.	BUILDING SITE INSPECTION	A TOTAL CONTRACTOR OF THE CONT	
٥.	BOILDING OTTE INOT LOTTON		
5.	Utility Service Safety:		
detecte	RTANT-Immediately following an earthquake, check the ent ed, turn off the gas at the meter where it enters the house. I be gas has been shut off, vacate the building and contact the	Locate and repair leaks before turning	
	RTANT–Before entering a damaged, vacant building verify the either a manual valve or a seismically-activated gas shut-of	9	
	a. Odor of natural gas leakage?	b. Downed powerlines?	☐ YES ☑ NO
6.	Surrounding topography: (©check one) Flat Gently sloping (easily walkable) Steeply sloping (difficult or impossible to walk in so	me areas)	
7.	Building pad: (@check one) Flat Terraced or multilevel		
	Gently sloping (less than 4-foot ground surface elec	vation difference across house)	
	Steeply sloping (greater than 4-foot ground surface	elevation difference across house)	
8.	Geotechnical Issues: (if yes, provide description and ph	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 w	valls?	
	d. Patterns of cracking that extend through the ground s	surface, hardscape, and improvements	2
	e. Evidence of sand boils or other fresh-appearing depo	osits of sand or mud?	
	f. Unusual slumping, rising, or bulging of the ground su	rface?	
	g. Evidence of rock falls or slope instability above site?		
	h. Ground movement or wet areas indicating possible b	roken underground utility lines?	
	i. Other phenomena (e.g., septic tanks surfacing, differ	ential settlement, ground consolidation)?

В.	BUILDING SITE INSPECTION (continued)		YES NO
9.	Evidence of earthquake-induced permanent ground deform property?	nation in the immediate vicinity of the	
c.	GENERAL BUILDING INFORMATION		A
10.		Green	i .
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 at time of inspection in the performance of	Provide the Control and Control and Control and Section (1)	
13.	Building configuration: 1	6. Sill bolting: a. Structure bolted to four	-1-0
	b. Combination one and two story c. Full two story d. Three story	b. Structure not bolted to c. Don't know 7. Roof configuration: a. Gable b. Hip c. Flat or very low slope	foundation
14.	Exterior wall finish: a. Stucco b. Panel siding c. Metal siding d. Masonry veneer e. Other, describe plaster	d. Shed e. Other, describe 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	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?			
	b. Obvious lean in any story?		\square	
20.	Exterior walls: (if yes, provide description and photos)			
	a. Fresh cracking at corners of door and window openings?		\square'	
	b. Fresh cracking at building corners?		\square'	
	c. Door or window openings racked out of square?		\square	
	d. Broken glass in windows or doors?		\square'	
	e. Wall leaning?			
	f. Bulging or delamination of stucco?			
	g. Pattern of cracking that extends from the ground surface, through foundation, and wall?		abla	
	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			
	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?		Ň	
	k. Severe cracking, separations, or offsets at building irregularities?		\square	
21.	Foundation: (if yes, provide description and photos)			
	a. Fresh cracking of exposed perimeter foundation?			
	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 insp	ection		
	d. If the answer to c is Y, were bolts added to connect the home to the foundation?			\square
	e. If the answer to c is Y, were plywood or sheathing added to any cripple walls under the			abla
	home?			

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

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		abla	
	awnings?		,	
	b. Evidence of recent settlement or displacement of exterior steps, patios,		abla	
	or walkways relative to the building?	F 12.11		
	c. Signs of movement between building floor and/ or exterior hardscape or retaining			
	wall along the uphill side of hon steeply sloping sites?		\neg	_
	d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of		lacksquare	LJ .
	air conditioning condenser unit(s)?			
25.	Independent exterior improvements: (if yes, provide description and photos)			
	a. Damaged detached gazebo?			
	b. Damage to fences / privacy walls?		\square	
	c. Damage to retaining walls?		$oxed{oxed}$	
	d. Damage to walkway?		oxdot	
	e. Evidence of leakage from water supply lines?		lacksquare	
	f. Toppling, shifting, or damage/leakage at fuel connection of propane tanks?		$oldsymbol{oldsymbol{oldsymbol{oldsymbol{A}}}$	
	g. Others damage		V	
	The second secon		I w	
E.	INTERIOR INSPECTION			
26.	General information			
	 a. If interior access not possible, identify reason b. Typical wall and ceiling find it. i. Red tag 	nish		
	ii. Hazardous materials ii. Plaster on gypsun	n lath		
	☐ iii. Other hazardous condition, ☐ iii. Plaster on wood la describe ☐ iv. Other, describe ☐ iv. Other, describe	5151a1)/	oncrete blocks	
	describe iv. Other, describe _pl	100000000000000000000000000000000000000	ANDIOLO DIOCKS	
	iv. Other, describe N/A			

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?		abla	
	c. Door or window openings racked out of square?			
	d. Wall leaning?			
	e. Pattern of cracking that extends from the floor slab through the wall?			
	f. Movement or sliding of walls relative to the floor?			
	g. Severe cracking, separations, or offsets at building irregularities?			
	h. Doors damaged, difficult to operate, or inoperable?			
	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		abla	
	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,		lacksquare	
	additions, appendages, or other building discontinuities?			
	e. Water damage or evidence of recent leakage from plumbing lines or roofing?		V	

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?			
	b. In slab-on-grade locations, fresh cracking of floor slab or floor finishes?			
	c. Significant sagging or unusual bounciness of floors frames?			
	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	Ш		
	the uphill side of homes on steeply sloping sites?		<u> </u>	
	f. A pattern of fresh cracks, gaps, or joint separations in floor finishes?		M M	
	g. Impact damage to floor finishes from falling contents?		<u>V</u>	
			_/	
30.	Mechanical systems: (if yes, provide description and photos)		\square	
	a. Displaced connection of appliance flues connected to chimneys?		\square	
	b. Toppling, shifting, leakage from tank, leakage from water connections displaced flue	Ш	lacksquare	
	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,			
	and condensate drain connection of furnace or air conditioning fan-coil unit?	Ш	\square	Ш
	d. Damage to gas line of gas stoves or gas fueled clothes dryers?			
	e. Damage to toilets?	Ш	M	Ш
	f. Decreased or restricted water pressure at appliances, faucets, or toilets?			
	g. Toppling or shifting of free-standing wood stove and/or flue?		M	
	h. Toppling, shifting, damage/leakage at fuel connection of fuel oil tank?		M	
	i. Other Damage in the dining room		\square	
	j. Damage near the gas tank			
		Ц	النا	ш

Where description is indicated, attach additional pages of notes and photographs keyed to appropriate checklist item.

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

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.

RECON	IENDACIÓN AL SECRETARIO		
Dr. Eligio	nento de Educación Hernández Pérez o de Educación		
Hora: Escuela:	13 de enero de 2020, 10:00 AM Jose Gonzalez Figueroa	Código: Fecha de Inspección:	40121 13 de enero de 2020, 10:00 Añ
Municipio	g: Aguada		
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Firma	\(\text{\text{U}}\)	14,793 # Licencia	Sello