CARTA DE TRAMITE

Departamento de Educación 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 20784 JESUS J. PINERO Escuela: Código: Fecha de CAGUAS Municipio: Inspección: Nombre del Ingeniero que emite la RAMÓN L. CARRASQUICLO recomendación: Anejos: 1. Recomendación al Secretario ✓ 2. Estampilla Digital Especial emitida por el CIAPR 3. Informe de inspección Ocular

Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación		
Hora: 12:00pm	Código:	20784
Escuela: Jesús T. Piñero	Fecha de Inspección:	15 de enero de 2020
Municipio: Caguas		
Abrir Escuela (Verde)	1	
Abrir Parcialmente la Escuela (Amarillo)		
No Abrir la Escuela (Rojo)		
**	ling, he has 4 rooms availab	ale, which were inspected
-Exposed eave reinforcing bars -Director indicated that if he cannot use some build and do not show any damage.	ling, he has 4 rooms availab	ole, which were inspected
Director indicated that if he cannot use some build	ling, he has 4 rooms availab	ole, which were inspected
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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. Ramon L. Carrasquillo Carrasquillo, PE



Práctica de:

Ingeniería

Licencia:

23796

Renglón:

Servicio Profesional

Descripción del Trabajo: Inspección y Verificación de Instalaciones

Fecha de Emisión:

2020-01-20

Monto Emitido:

\$5

Número de Serie:

2626-8162-8524-9566

Número de Caso:

20784

Proyecto / Unidad:

Jesús T. Piñero

Rol del Profesional:

Evaluador



SELLO PROFESIONAL

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



-			
Α.	GENERAL INFORMATION		
1.	Street Address of the School:	Bo. La Barra	
_	City: Caguas	State: Puerto Rico Zip:	
2.	School Name:	Jesús T. Piñero	
3.	Date of inspection:	January 15, 2020	#C ***
4.	Inspector's Name: Astrid C. González	Batista	
B.	BUILDING SITE INSPECTION		
5.	Utility Service Safety:		
detected	TANT–Immediately following an earthquake, check the entire d, turn off the gas at the meter where it enters the house. Lore gas has been shut off, vacate the building and contact the g	cate and repair leaks before turning gas back on	
	TANT–Before entering a damaged, vacant building verify that ither a manual valve or a seismically-activated gas shut-off va		
	a. Odor of natural gas leakage?	b. Downed powerlines?	X NO
6.	Surrounding topography: (@checkone) X Flat Gently sloping (easily walkable) Steeply sloping (difficult or impossible to walk in some	e areas)	
7.	Building pad: (@check one) X Flat Terraced or multilevel Gently sloping (less than 4-foot ground surface elevated Steeply sloping (greater than 4-foot ground surface elevated Steeply sloping	00000000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Ω	Geotechnical Issues: (if yes, provide description and photo		YES NO
	a. New cracks in the ground?	voj	
	b. Signs of fresh cracking in or movement of hardscape?		
	c. Signs of fresh cracking in or movement of retaining wall	ls?	
	d. Patterns of cracking that extend through the ground sur		
	e. Evidence of sand boils or other fresh-appearing deposit	ts of sand or mud?	
	f. Unusual slumping, rising, or bulging of the ground surfa	ice?	
	g. Evidence of rock falls or slope instability above site?		
	h. Ground movement or wet areas indicating possible broken	ken underground utility lines?	
	i Other phenomena (e.g. sentic tanks surfacing differen	itial settlement, ground consolidation\?	

В.	BUILDING SITE INSPECTION (continued	1)		YES	NO
9.	Evidence of earthquake-induced permanent ground defi property?	ormation	in the immediate vicinity of the		X
C.	GENERAL BUILDING INFORMATION				
10.	Safety Assessment Tag: (⊡check one)	G Yellow	reen Yellow Red		
11. 12.	a) Year of original construction (best estimate): <u>UNKN</u> b) Total square footage (best estimate): <u>69,400 sq.f</u> Have any repairs, modifications, or demolition been per	t Est	imated using Google Earth	YES	NO X
	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: N/A a. Structure bolted to founda b. Structure not bolted to founda 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 Plaster Cement	18.	C. Flat or very low slope 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 X g. Other, describe N/A		c. Concrete d. Metal e. Elastomeric f. Other, describe		

D.	EXTERIOR BUILDING INSPECTION		100	8 11
1	9. 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)		[VI	
	a. Fresh cracking at corners of door and window openings?		X	r i
	b. Fresh cracking at building corners?	Ц	X	
	c. Door or window openings racked out of square?		×	
	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		
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-grade foundations?		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

D. EXTERIOR BUILDING INSPECTION (continued)		31	
22. Kitchen Hook (if yes, provide description and photos) N/A	YES	NO	N/A
a. Present on external wall?			
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			
23. Roof: (if yes, provide description and photos) No roof access			
a. Shifted or dislodged or concrete damage?			X
b. Impact damage to roof from falling object?			X
c. Displaced rooftop HVAC units?		17	Ň
d. Significantly sagging roof ridgelines?			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)	YES	NO	N/A
	a. Collapse, partial collapse, or separation of attached porches, carports, Gazebos, or		X	
	awnings?			
	b. Evidence of recent settlement or displacement of exterior steps, patios,		X	
	or walkways relative to the building?	_	F77	
	c. Signs of movement between building floor and/ or exterior hardscape or retaining	Ц	X	Ш
	wall along the uphill side of hon steeply sloping sites?	_		
	d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of		X	Ш
	air conditioning condenser unit(s)?			
25.	Independent exterior improvements: (if yes, provide description and photos)			
	a. Damaged detached gazebo?		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?	-, <u></u>	X	
	f. Toppling, shifting, or damage/leakage at fuel connection of propane tanks?		X	
	g. Others damage	. Ц	X	
E.	INTERIOR INSPECTION			
26.	General information			
	a. If interior access not possible, identify reason N/A i. Red tag b. Typical wall and ceiling i. Drywall	finish		
	ii. Hazardous materials ii. Plaster on gypsu	m lath		
	☐ iii. Other hazardous condition, ☐ iii. Plaster on wood	-וח	ster Cement	
	describe iv. Other, describe _			- 11
	iv. Other, describe			

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		X	
	door and window openings?			
	b. Fresh cracking of wall finishes at wall corners or wall/ceiling intersections?	X		
	Cracks at wall/beam & wall/floor intersections 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?		\square	
	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?			
i İ	e. Water damage or evidence of recent leakage from plumbing lines or roofing?		X	
				-
				İ

E.	INTERIOR INSPECTION (continued)	X		
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?		D221	_
	e. Signs of movement between floor and exterior hardscape or retaining wall along	Ц	X	ш
	the uphill side of homes on steeply sloping sites?			
	f. A pattern of fresh cracks, gaps, or joint separations in floor finishes?		[X]	
	g. Impact damage to floor finishes from falling contents?		X	Ш
			-	
30.	Mechanical systems: (if yes, provide description and photos)	- 1	X	
	a. Displaced connection of appliance flues connected to chimneys?		[]	
	b. Toppling, shifting, leakage from tank, leakage from water connections displaced flue	Ц	X	Ш
	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?	Ц	X	Ц
	d. Damage to gas line of gas stoves or gas fueled clothes dryers?		[]	
	e. Damage to toilets?	Ц	X	Ц
	f. Decreased or restricted water pressure at appliances, faucets, or toilets?		X	
	g. Toppling or shifting of free-standing wood stove and/or flue?			
	h. Toppling, shifting, damage/leakage at fuel connection of fuel oil tank?			
	i. Other Damage in the dining room			
	j. Damage near the gas tank			
			LAI	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?		X	
	b. Impact damage to countertops from falling objects?		X	
	c. Cracking of ceramic tile in showers or tub/shower enclosures consistent with		X	
	earthquake damage to adjacent wall finishes?			
			_	
F.	CONTINGENTINSPECTIONS			
		YES	NO	N/A
32.	Retaining Tank Wall damage?			X
33.	Water tank or other field subterranean structure			X

Additional Commentaries

- -One building has short columns but no cracks were observed.
- -Exposed eave reinforcing bars
- -Director indicated that if he cannot use some building, he has 4 rooms available, which were inspected and do not show any damage.

	RECOMENDACIÓN AL SECRETARIO		
	Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación		
F	Hora: 12:00pm	Código:	20784
_	Escuela: Jesús T. Piñero	Fecha de Inspección:	15 de enero de 2020
	Aunicipio: Caguas	пъресски.	15 de elleio de 2020
A	sbrir Escuela (Verde)		
А	Abrir Parcialmente la Escuela (Amarillo)		
N	lo Abrir la Escuela (Rojo)		
	que se observaron algunos daños estructurales, que requie estructura evidencia daños estructurales significativos.	eren atención; Rojo	re refiere a que la
fa	should be noted that, as requested, this report is based acility for the purpose of assessing the presence of signile eismic event since January 07, 2020 which may affect its sine seismic event.	ficant structural da	mage resulting from the
fa s th	acility for the purpose of assessing the presence of signi eismic event since January 07, 2020 which may affect its s he seismic event. The determination of the structural adequacy of the existing	ficant structural da structural condition facility to meet the	mage resulting from the compared to that prior to applicable design and
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fa s th T c	acility for the purpose of assessing the presence of signi eismic event since January 07, 2020 which may affect its she seismic event. The determination of the structural adequacy of the existing construction building codes requirements as well as develong the facility will require a more extensive investigation that	ficant structural da structural condition facility to meet the ping recommendat	mage resulting from the compared to that prior to applicable design and ions for the rehabilitation
fa s th T c	acility for the purpose of assessing the presence of signi eismic event since January 07, 2020 which may affect its so the seismic event. The determination of the structural adequacy of the existing construction building codes requirements as well as develo	ficant structural da structural condition facility to meet the ping recommendat	mage resulting from the compared to that prior to applicable design and ions for the rehabilitation

Jesús T. Piñero School Photos



Location of Jesús T. Piñero School on Caguas, P.R.



Photo 1: Crack at both sides of the bridge



Photo 2: Crack at the side of the bridge

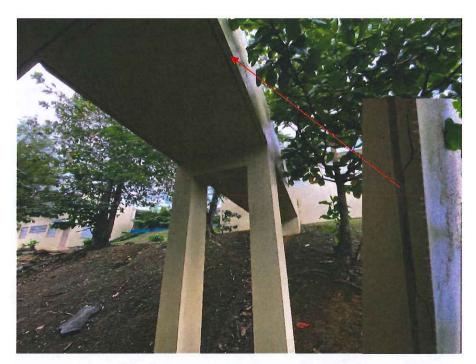


Photo 3: Crack under the bridge



Photo 4: Exposed eave reinforcing bars



Photo 5: Crack on floor/wall intersection



Photo 6: Damaged window

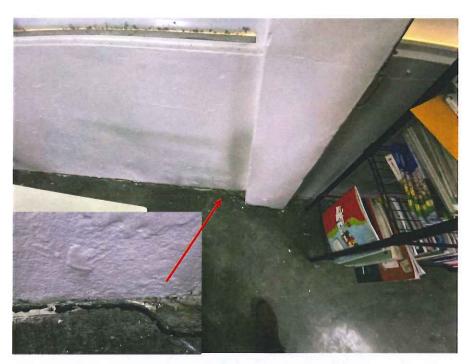


Photo 7: Crack floor/wall intersection



Photo 8: Undercut slab



Photo 9: Crack wall/beam intersection

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