

2

# Hoja de Trámite

#### 22 de enero de 2020

Para:	Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación				
De:	Ingenium Professional Group PSC Calle Progreso # 50 – Suite 202, Fajardo PR 00738 Tels. 787.918.5890 / 5891   Email: info@ingenium.group				
Nombre	e del Representante Autorizado:	lonar lerer			
	Firma:	-02			
Escuela:	:LUIS MUÑOZ RIVERACodigo	o:61689			
Municipi	io:SAN JUAN IFecha Inspeccio	n:43844			
	bre del Ingeniero que te la recomendación: EFREN RIVERA	LIC:8904			
	Documentos Entregados:				
	1 Recomendación al Secretario				

Estampilla Digital Especial emitida por el CIAPR

Informe de inspección Ocular

Entregado a:	-	11-11	Fecha:	1	23	2020	

A.	GENERAL INFORMATION		
1.	Street Address of the School:		n
*	City: San Juan State: Puerto Rico 7in		
2.	City: San Juan State: Poerto Rico zip:  School Name: Luis Muñoz River:  Date of inspection: IA Enero 2020	5	
3.	Date of inspection: 14 Enero 2020		
4.	Inspector's Name: Efren Rivera	***************************************	
B.	BUILDING SITE INSPECTION	S	
5.	Utility Service Safety:		
detected	ANT—Immediately following an earthquake, check the entire property, especially near appliances, for the sm , turn off the gas at the meter where it enters the house. Locate and repair leaks before turning gas back on gas has been shut off, vacate the building and contact the gas utility company immediately.	ell of gas. If ga . If the gas od	is odor is or persists
IMPORT valve, ei	ANT-Before entering a damaged, vacant building verify that gas is off. Check the gas meter for damage and ther a manual valve or a seismically-activated gas shut-off valve. Do not enter the building if gas odor is deto	d position of ma	ain gas
	a. Odor of natural gas leakage?	NO	2
6.	Surrounding topography: (@check one)  Flat  Gently sloping (easily walkable)  Steeply sloping (difficult or impossible to walk in some areas)		*
7.	Building pad: (@checkone)  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)		
8.	Geotechnical Issues: (if yes, provide description and photos)	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 walls?		
	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?		B
	f. Unusual slumping, rising, or bulging of the ground surface?		
	g. Evidence of rock falls or slope instability above site?		
	h. Ground movement or wet areas indicating possible broken underground utility lines?		I,
	i. Other phenomena (e.g., septic tanks surfacing, differential settlement, ground consolidation)?		

B.	BUILDING SITE INSPECTION (continued)		YES	NO
9.	Evidence of earthquake-induced permanent ground deformation in property?	n the immediate vicinity of the		
C.	GENERAL BUILDING INFORMATION			
10.	Safety Assessment Tag: (@check one) None Green Green Cothers): Yellow	een		9
11.	a) Year of original construction (best estimate): b) Total square footage (best estimate):		YES	NO
12.	Have any repairs, modifications, or demolition been performed sir If yes, describe	N. 10	Ш	
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  Exterior wall finish:  a. Stucco	Sill bolting:  a. Structure bolted to founda b. Structure not bolted to fou c. Don't know  Roof configuration:  a. Gable b. Hip c. Flat or very low slope d. Shed e. Other, describe	ndation	
	b. Panel siding c. Metal siding d. Masonry veneer e. Other, describe	Roof covering:  a. Asphaltic membrane b. Wood shingle or shake c. Concrete		
15.	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	54	

D.	EXTERIOR BUILDING INSPECTION		og et geeld weget amount and an angele great a	
19	. General: (if yes, provide description and photos)	YES	NO	N/A
	a. Collapse, partial collapse, or building off foundation?			A SOLD WILLIAM STATES
	b. Obvious lean in any story?			
20.	Exterior walls: (if yes, provide description and photos)			
	a. Fresh cracking at comers of door and window openings?			
	b. Fresh cracking at building comers?			
	c. Door or window openings racked out of square?			
	d. Broken glass in windows or doors?			
	e. Wall leaning?			
	f. Bulging or delamination of stucco?	and the same of th		
	g. Pattern of cracking that extends from the ground surface, through foundation, and wall?		0	
	h. Evidence of recent relative movement at mudsill line?			
	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?			
	k. Severe cracking, separations, or offsets at building irregularities?		4	
21.	Foundation: (if yes, provide description and photos)			
	a. Fresh cracking of exposed perimeter foundation?		<b>I</b>	
	b. Relative movement between slab and footing in "two-pour" slab-on-grade foundations?		<b>D</b>	
	c. Ask homeowner if any earthquake retrofits have been done to the home?		Ø	
	If Y describe:			
	d. If the answer to c is Y, were bolts added to connect the home to the foundation?			
	e. If the answer to c is Y, were plywood or sheathing added to any cripple walls under the home?		Ø	
				j

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?			
	c. Collapse or partial collapse?		B,	
	d. Visible damage or cracking?		ď	A A A A A A A A A A A A A A A A A A A
	e. Visible tilting or separation from building?			
	f. Shifted or loose and displaced		Image: second content	
	g. Deterioration or deformation			
			Ø	
23.	Roof: (if yes, provide description and photos)			
	a. Shifted or dislodged or concrete damage?	PERSON		
	b. Impact damage to roof from falling object?			
	c. Displaced rooftop HVAC units?		3	
	d. Significantly sagging roof ridgelines?			
	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			
	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?			

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,	Ц	/	
	or walkways relative to the building?			
	c. Signs of movement between building floor and/ or exterior hardscape or retaining	Ш		
	wall along the uphill side of hon steeply sloping sites?	П		
	d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of air conditioning condenser unit(s)?		ii	
0.00	•			
25.	Independent exterior improvements: (if yes, provide description and photos)  a. Damaged detached gazebo?			
	b. Damage to fences / privacy walls?			
	c. Damage to retaining walls?			
	d. Damage to walkway?		1	
	e. Evidence of leakage from water supply lines?			
	f. Toppling, shifting, or damage/leakage at fuel connection of propane tanks?			
	g. Others damage			
E.	INTERIOR INSPECTION			
26.	General information a. If interior access not possible, identify reason b. Typical wall and ceiling	a finish		
	i. Red tag ii. Drywall	<b>3</b>		
	ii. Hazardous materials ii. Plaster on gyps			
	describe iii. Other hazardous condition, iii. Plaster on wood iv. Other, describe		plaster	
	iv. Other, describe			
	Lui IV. Other, describe			

	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		d	
	door and window openings?			
	b. Fresh cracking of wall finishes at wall comers or wall/ceiling intersections?			
	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?	STATE OF THE PARTY		
	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?		Ø,	
	i. Windows damaged, difficult to operate, or inoperable?			
28.	Ceilings: (if yes, provide description and photos)			
	a. Collapse of ceiling finish?			
	b. Fresh cracking of ceiling finishes, especially at re-entrant corners; cracks along corner		Ø	
	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?		,	:
	e. Water damage or evidence of recent leakage from plumbing lines or roofing?		Ø	
				-

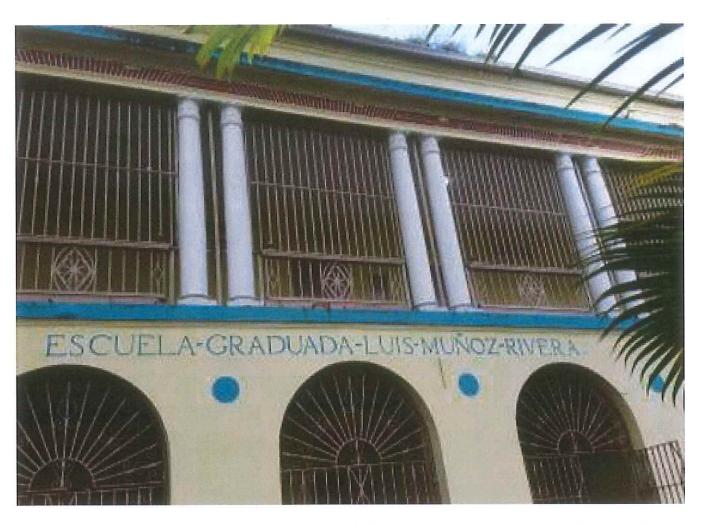
E	INTERIOR INSPECTION (continued)			
29.	Floors: (if yes, provide description and photos)	YES	NO	N/A
	a. Evidence of recent sloping, sagging, settlement or displacement of floors?		Ø,	
	b. In slab-on-grade locations, fresh cracking of floor slab or floor finishes?			
	c. Significant sagging or unusual bounciness of floors frames?		口	
	d. Separations or cracks in floor finishes at split-levels, re-entrant corners, additions,			
	appendages, or other building discontinuities?	gasum; mg	amende .	
	e. Signs of movement between floor and exterior hardscape or retaining wall along			
	the uphill side of homes on steeply sloping sites?	<b>,</b>		
	f. A pattern of fresh cracks, gaps, or joint separations in floor finishes?			
	g. Impact damage to floor finishes from falling contents?		Ľ	
30.	Mechanical systems: (if yes, provide description and photos)			
	a. Displaced connection of appliance flues connected to chimneys?	para-mag	$\rightarrow$	
	b. Toppling, shifting, leakage from tank, leakage from water connections displaced flue		لــًا	
	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?			
	d. Damage to gas line of gas stoves or gas fueled clothes dryers?		_/	
	e. Damage to toilets?			
	f. Decreased or restricted water pressure at appliances, faucets, or toilets?	L1		<del> </del> 1
	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		<b>□</b> [2]	
	j. Damage near the gas tank			
		ii	<b></b>	L
				ı

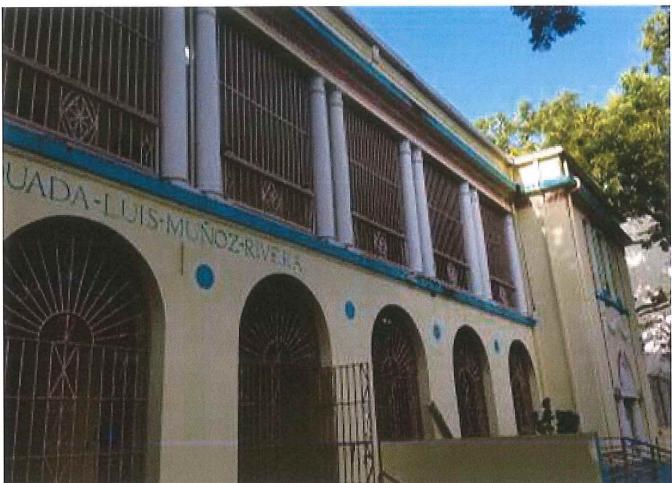
# **OCULAR INSPECTION CHECKLIST**

-	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?	atomo		
	b. Impact damage to countertops from falling objects?	omann)		
	c. Cracking of ceramic tile in showers or tub/shower enclosures consistent with	and the second	Q	
	earthquake damage to adjacent wall finishes?			
New Medical Action Commence				
F.	CONTINGENTINSPECTIONS			
		YES	NO	N/A
32.	Retaining Tank Wall damage?		3	
33.	Water tank or other field subterranean structure	A-Millerion III		Ø

### **OCULAR INSPECTION CHECKLIST**

G.	RECOMENDACIÓN AL SECRETARIO	
	Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación	
	Hora de Entrada a Inspección: 6:25 AM	Hora de Salida de Inspección:
	Escuela: Luis Muñoz Rivera	Código: 61689
	Municipio: San Juan	Fecha de Inspección: 14 e nero 20
	Abrir Escuela (Verde)	
	Abrir Parcialmente la Escuela (Amarillo)	
	No Abrir la Escuela (Rojo)	
	comentarios: Luego de realizar ocular de la escuela de San Juan mi co 1- No se identi estructural	emontario es el siguiente: Ficó daño
	/ / / /	INCEMIERO LIGENCIADO LIGENCIADO LIGENCIADO LIG. 8904 Sello Sello CRTO RICO









#### 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. William Melendez Rivas, PE



Práctica de:

Ingeniería

Licencia:

16383

Renglón:

Certificación

Descripción del Trabajo: Trámites ante Entes Gubernamentales

Fecha de Emisión:

2020-01-21

Monto Emitido:

\$5

Número de Serie:

6443-0898-7915-2307

Número de Caso:

Código Escuela:61689

Proyecto / Unidad:

Escuela Luis Munoz Rivera, San Juan

Rol del Profesional:

Consultor



#### 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