CARTA DE TRAMITE

Para: Departamento de Educación

Dr. Eligio Hernández Pérez Secretario de Educación

De: ROV Engineering Services PSC

100 Road 165 Suite 203 CIM Tower 1 Guaynabo, PR 00968

787-230-7171

Víctor M. Rodríguez Ortiz, P.E., CPIA, CPIU

Escuela: Amalia Marin Código: (62679)

Municipio: San Juan Fecha de: 11-enero-20

Inspección

Nombre del Ingeniero que emite la recomendación: Ing. Ramon A. Mota De Peña

Anejos:

- 1. Recomendación al Secretario.
- 2. Estampilla Digital Especial emitida por el CIAPR.
- 3. Informe de inspección Ocular.

A.	GENERAL INFORMATION		
1.	Street Address of the School: Guaracanal, Barriada	Venezuela	
	City: San Juan	State: P.R.	Zip : 00926
2.	School Name: Amalia Marin	_	
3.	Date of inspection: 11 Enero 2020		
4.	Inspector's Name: Ramon A Mota	···	
B.	BUILDING SITE INSPECTION		
5.	Utility Service Safety:		
detected	ANT-Immediately following an earthquake, check the entire I, turn off the gas at the meter where it enters the house. Log gas has been shut off, vacate the building and contact the g	cate and repair leaks before turning ga	or the smell of gas. If gas odor is s back on. If the gas odor persists
	ANT–Before entering a damaged, vacant building verify that ther a manual valve or a seismically-activated gas shut-off va		
	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 some	e areas)	
7.	Building pad: (©check one) Flat Terraced or multilevel Gently sloping (less than 4-foot ground surface elevated Steeply sloping (greater than 4-foot ground surface elevated Steeply sloping sl		
8.	Geotechnical Issues: (if yes, provide description and photo	os)	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 wall	s?	
	d. Patterns of cracking that extend through the ground sur	face, hardscape, and improvements?	
	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	ace?	
	g. Evidence of rock falls or slope instability above site?		
	h. Ground movement or wet areas indicating possible broli. Other phenomena (e.g., septic tanks surfacing, differen	1000 LONG	

В.	BUILDING SITE INSPECTION (continued)	YES	NO
9.	Evidence of earthquake-induced permanent ground deformation in the immediate vicinity of the property?		V
C.	GENERAL BUILDING INFORMATION		
10.	Safety Assessment Tag: (Dicheck one) (others): None Green Yellow Red Red		
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 since the earthquake? 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		
14.	Exterior wall finish: a. Stucco b. Panel siding c. Metal siding d. Masonry veneer e. Other, describe 18. Roof covering: a. Asphaltic membrane b. Wood shingle or shake c. Concrete		
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		

D.	EXTERIOR BUILDING INSPECTION			
19	9. General: (if yes, provide description and photos)	YES	NO	N/A
	a. Collapse, partial collapse, or building off foundation?		V	
	b. Obvious lean in any story?		V	
00	Futuri annually (ff and annually description and abotion)			
20.	Exterior walls: (if yes, provide description and photos)		V	
	a. Fresh cracking at corners of door and window openings?			
	b. Fresh cracking at building corners?			
	c. Door or window openings racked out of square?			
	d. Broken glass in windows or doors?			
	e. Wall leaning?	Ц		
	f. Bulging or delamination of stucco?	Ц	V	Ш
	g. Pattern of cracking that extends from the ground surface, through foundation, and wall?		V	
	h. Evidence of recent relative movement at mudsill line?		V	
	i. At locations where the exterior stucco is continuous from the framing down over the		V	
	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?		V	
	k. Severe cracking, separations, or offsets at building irregularities?		V	
21.	Foundation: (if yes, provide description and photos)			
1000.115	a. Fresh cracking of exposed perimeter foundation?		V	
	b. Relative movement between slab and footing in "two-pour" slab-on-grade foundations?		V	
	c. Ask homeowner if any earthquake retrofits have been done to the home?		V	
	If Y describe:			
	d. If the answer to c is Y, were bolts added to connect the home to the foundation?		V	
			V	
	e. If the answer to c is Y, were plywood or sheathing added to any cripple walls under the home?	Common S	Commit	

D.	EXTERIOR BUILDING INSPECTION (continued)			
	22. Kitchen Hook (if yes, provide description and photos)	YES	NO	N/A
	a. Present on external wall?	Ш	V	
	b. Present at internal location?		V	
	c. Collapse or partial collapse?		V	
	d. Visible damage or cracking?		V	
	e. Visible tilting or separation from building?		V	
	f. Shifted or loose and displaced		V	
	g. Deterioration or deformation		V	
,	23. Roof: (if yes, provide description and photos)			
	Shifted or dislodged or concrete damage?		V	
	b. Impact damage to roof from falling object?		V	
	c. Displaced rooftop HVAC units?		V	
	d. Significantly sagging roof ridgelines?		V	
	e. Signs of movement between rafter tails and wall finishes at eaves?		V	
	f. Buckled/dislodged flashing or tearing of roof membrane, roof/wall intersections in split		V	
	level buildings, additions, or other building irregularities?			
	g. Tearing of roof membrane or deck waterproofing at re-entrant corners?		V	
	h. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of rooftop		V	
	mechanical equipment?			
			V	
	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		V	
	awnings?			
	b. Evidence of recent settlement or displacement of exterior steps, patios,	Ш		
	or walkways relative to the building?			
	c. Signs of movement between building floor and/ or exterior hardscape or retaining	Ц	V	
	wall along the uphill side of hon steeply sloping sites?		V	
	d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of			
	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?			
	c. Damage to retaining walls?			
	d. Damage to walkway?			
	e. Evidence of leakage from water supply lines?			
	f. Toppling, shifting, or damage/leakage at fuel connection of propane tanks?			
	g. Others damage	Ц		
	THE PLAN IN CONTROL IN			
E.	INTERIOR INSPECTION			
26.	General information a. If interior access not possible, identify reason b. Typical wall and ceiling	finish		
	i. Red tag			
	ii. Hazardous materials iii. Other hazardous condition, iii. Plaster on gyps:			
1	describe iv. Other, describe		tering	
	iv. Other, describe			
п				

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		V	
	door and window openings?			
	b. Fresh cracking of wall finishes at wall corners or wall/ceiling intersections?		V	
	c. Door or window openings racked out of square?		V	
	d. Wall leaning?		V	
	e. Pattern of cracking that extends from the floor slab through the wall?		V	
	f. Movement or sliding of walls relative to the floor?		V	
	g. Severe cracking, separations, or offsets at building irregularities?		V	
	h. Doors damaged, difficult to operate, or inoperable?		V	
	i. Windows damaged, difficult to operate, or inoperable?		V	
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		V	
	bead at stairwell openings; cracking or tearing of finishes at ceiling/wall juncture; or multip	le		
	"nail pops"?			
	c. Damage to ceiling finishes in vicinity of corridors or commons places?		V	
	d. Separations or cracks in ceiling finishes at split-levels, re-entrant corners,		V	
	additions, appendages, or other building discontinuities?			
	e. Water damage or evidence of recent leakage from plumbing lines or roofing?		V	
			ż	

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?		V	
	b. In slab-on-grade locations, fresh cracking of floor slab or floor finishes?		V	
	c. Significant sagging or unusual bounciness of floors frames?		V	
	d. Separations or cracks in floor finishes at split-levels, re-entrant corners, additions,		V	
	appendages, or other building discontinuities?			
	e. Signs of movement between floor and exterior hardscape or retaining wall along		V	
	the uphill side of homes on steeply sloping sites?			
	f. A pattern of fresh cracks, gaps, or joint separations in floor finishes?		V	
	g. Impact damage to floor finishes from falling contents?		V	
30.	Mechanical systems: (if yes, provide description and photos)			
	a. Displaced connection of appliance flues connected to chimneys?			V
	b. Toppling, shifting, leakage from tank, leakage from water connections displaced flue		V	
	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,		V	
	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?		V	
	e. Damage to toilets?		V	
	f. Decreased or restricted water pressure at appliances, faucets, or toilets?		V	
	g. Toppling or shifting of free-standing wood stove and/or flue?		V	
	h. Toppling, shifting, damage/leakage at fuel connection of fuel oil tank?		V	
	i. Other Damage in the dining room		V	
	j. Damage near the gas tank		V	

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

G.	RECOMENDA	CION AL SE	CRETARIO				
	Departamento de Dr. Eligio Hernáno Secretario de Edu	dez Pérez					
	Hora de Entrada a Inspección:	1:15 PM			Hora de Salida de Inspección:	3:15 N	1
	Escuela:	Amalia Mari	in		Código:	62679	
	Municipio:	San Juan			Fecha de Inspección:	11 En	ero 2020
	Abrir Escuela (Ve	rde)	\checkmark				
	Abrir Parcialment	e la Escuela (<mark>An</mark>	narillo)				
	No Abrir la Escue	la (<mark>Rojo</mark>)					
	Comentarios:						
	Grietas en top	oing pasillo					
	Filtracion tech						
	Piso requiere t	ratamiento	TO SECURE AND ADDRESS.				
	Pozamiento de	agua frente	escalera				

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observ este in diseño	ar en las escuelas la forme. La determinac	presencia de dañ ción de la adecua	os significativos c ción estructural d	causados p e las escu	pección ocular de las por los eventos sísmico elas y su cumplimient ara la rehabilitación d	os registra o con los	dos hasta la fecha de códigos aplicables de
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	r M. Rodríguez ado por: Nombre (Letra o	de Molde)		LO L	RODRÍGUAN INGENIERO ICE ICENCIADO	770 ncia	A Mota De A Republicación A Mota De A Republicación De Re
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