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 Benítez Torres
 PASCA SIO
 P. SANCÉRRIT Código:
 60 400

 CAROCINA
 Fecha de Inspección:
 1/12/20
 Escuela: Municipio: Nombre del Ingeniero que emite la NORBERTO BENITEZ recomendación: Anejos: Recomendación al Secretario Estampilla Digital Especial emitida por el CIAPR ✓ 3. Informe de inspección Ocular

OCULAR INSPECTION CHECKLIST

Α.	GENERAL INFORMATION		
1.	Street Address of the School: City: Lavolina School Name: Street Address of the School: Dy. Vistmar, CTI Grand State: 7L Zip: 00983 RASCASIO D. Gan cervit	de	
2.			
3.	Date of inspection:		THE HOLES COMMUNICATION
4.	Inspector's Name: Wig berto Joules / Porherto M. Beriter lov	מיני	
В.	BUILDING SITE INSPECTION		
5.	Utility Service Safety:		
detecte	TANT-Immediately following an earthquake, check the entire property, especially near appliances, for the sme id, turn off the gas at the meter where it enters the building. Locate and repair leaks before turning gas back o e gas has been shut off, vacate the building and contact the gas utility company immediately.		
	TANT–Before entering a damaged, vacant building verify that gas is off. Check the gas meter for damage and either a manual valve or a seismically-activated gas shut-off valve. Do not enter the building if gas odor is dete		ain gas
	a. Odor of gas leakage?	NO	
6.	Surrounding topography: (©check one) Flat Gently sloping (easily walkable) Steeply sloping (difficult or impossible to walk in some areas)		
7.	Building pad: (check one) Flat Terraced or multilevel Gently sloping (less than 4-foot ground surface elevation difference across building) Steeply sloping (greater than 4-foot ground surface elevation difference across building)		
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?		9
	c. Signs of fresh cracking in or movement of retaining walls?		4
	d. Patterns of cracking that extend through the ground surface, hardscape, and improvements?		D D D
	e. Evidence of sand boils or other fresh-appearing deposits of sand or mud?		P
	f. Unusual slumping, rising, or bulging of the ground surface?		Ч,
	g. Evidence of rock falls or slope instability above site?		W,
	h. Ground movement or wet areas indicating possible broken underground utility lines?		4
	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 the im property?	mediate vicinity of the		⊠′
C.	GENERAL BUILDING INFORMATION			
10.	cursty / too cooling it to gr. (assessment)	Yellow Red		
11.	a) Year of original construction (best estimate):		YES	NO
12.	Have any repairs, modifications, or demolition been performed since the lf yes, describe			\times
13.	b. Combination one and two story c. Full two story d. Three story e. Split level f. Typical g. Other, describe	olting: Structure bolted to foundate. Structure not bolted to foundate. Don't know configuration: Gable Hip Flat or very low slope		
14.	Exterior wall finish: a. Stucco b. Panel siding c. Metal siding d. Masonry veneer e. Other, describe	covering: Asphaltic membrane Wood shingle or shake Concrete		
15.	Foundation configuration:	I. Metal a. Elastomeric 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?		X	
	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?		X	
	b. Fresh cracking at building corners?		\boxtimes	
	c. Door or window openings racked out of square?		X	
	d. Broken glass in windows or doors?		X	
	e. Wall leaning?		X	
	f. Bulging or delamination of stucco?		\searrow	
	g. Pattern of cracking that extends from the ground surface, through foundation, and wall?		X	
	h. Evidence of recent relative movement at mudsill line?			
	i At locations where the exterior stucco is continuous from the framing down over the		\boxtimes	
	foundation, is there cracking of stucco along the mudsill level accompanied by indications			
	of permanent displacement (sliding) of the building relative to the foundation?	<u> </u>	54	
	j. Collapse, partial collapse, or separation of masonry veneer?		\bowtie	
	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?		M	
	b. Relative movement between slab and footing in "two-pour" slab-on-grade foundations?			
	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?			\mathbf{X}

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?		X	
	c. Collapse or partial collapse?		\times	
	d. Visible damage or cracking?		\boxtimes	
	e. Visible tilting or separation from building?		M	
	f. Shifted or loose and displaced		\boxtimes	
	g. Deterioration or deformation		×	
			X	
23.	Roof: (if yes, provide description and photos)			
	a. Shifted or dislodged or concrete damage?		\overline{A}	
	b. Impact damage to roof from falling object?		\boxtimes	
	c. Displaced rooftop HVAC units?		\bowtie	
	d. Significantly sagging roof ridgelines?		\times	
	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?		\bowtie	
	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			\boxtimes r
	awnings?	_		
	b. Evidence of recent settlement or displacement of exterior steps, patios,		X	
	or walkways relative to the building?			\square
	c. Signs of movement between building floor and/ or exterior hardscape or retaining		Ц	M
	wall along the uphill side of hon steeply sloping sites?		17	
	d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of	Ш	1	
	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?		X	
	c. Damage to retaining walls?	닏		
	d. Damage to walkway?	닏	⊠ I×Í	
	e. Evidence of leakage from water supply lines?		⊠ ⊠	
	f. Toppling, shifting, or damage/leakage at fuel connection of propane tanks?			
	g. Others damage	Ц	Ц	N
E.	INTERIOR INSPECTION			
26.	General information a. If interior access not possible, identify reason b. Typical wall and ceiling	ng finish		
	i. Red tag			
	☐ ii. Hazardous materials ☐ ii. Plaster on gyp ☐ iii. Other hazardous condition, ☐ iii. Plaster on woo			
	describe iv. Other, describe			
	iv. Other, describe			
	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	
	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?		\bowtie'	
	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?			
	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 multi	ple		
	"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?			
	e. Water damage or evidence of recent leakage from plumbing lines or roofing?		K	

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?		\boxtimes	
	b. In slab-on-grade locations, fresh cracking of floor slab or floor finishes?		$\overline{\mathbf{X}}$	
	c. Significant sagging or unusual bounciness of floors frames?			
	d. Separations or cracks in floor finishes at split-levels, re-entrant corners, additions,		X	
	appendages, or other building discontinuities?			
	e. Signs of movement between floor and exterior hardscape or retaining wall along			
	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?		\times	
	C AND Programme C			
30.	Mechanical systems: (if yes, provide description and photos)		X	
	a. Displaced connection of appliance flues connected to chimneys?			
	b. Toppling, shifting, leakage from tank, leakage from water connections displaced flue		\boxtimes	
	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?		$ \boxtimes $	
	d. Damage to gas line of gas stoves or gas fueled clothes dryers?			
	e. Damage to toilets?		X	
	f. Decreased or restricted water pressure at appliances, faucets, or toilets?			
	To the state of th		X	
			X	
	h. Toppling, shifting, damage/leakage at fuel connection of fuel oil tank?		\boxtimes	
	i. Other Damage in the dining room		X	
	j. Damage near the gas tank		M	

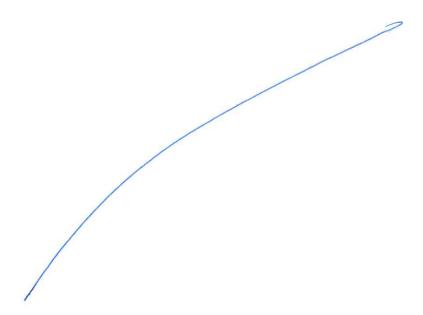
Where description is indicated, attach additional pages of notes and photographs keyed to appropriate checklist item.

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?			П
	b. Impact damage to countertops from falling objects?			
	c. Cracking of ceramic tile in showers or tub/shower enclosures consistent with		U	
	earthquake damage to adjacent wall finishes?			
	8			
F.	CONTINGENT INSPECTIONS			
		YES	NO	N/A
32.	Retaining Tank Wall damage?		U	
33.	Water tank or other field subterranean structure		U	

Comments 8/9 show here are part of disclaimer show on sheet 9/9. The comments are as follows.

- a- School hung ceiling should be design to lattes manufacturer guidelines as cables gages main and secondary tees, lamps individual cable gage and truss requirements.
- b- Existing cracks where present for the lattest years and where not the answer to lattest earthquakes.
- c- Kitchen exhaust hoods and A/C are hung installed and should be tied to avoid free swinging.
- d- Stock of food are not properly placed.
- e- Books shelves and high metal equipment are loose and should be tied.
- f- Due to time and type of construction of different buildings, a school may have different school "colors'. Different buildinds inside a school may have different tags to open and close. A prior analysys is required by owner representative and this office.
- g- Minor damages are expected on schools to maintan open.

OCULAR INSPECTION CHECKLIST



OCULAR INSPECTION CHECKLIST

G.	RECOMENDA	CIÓN AL SECRETARIO		
	Departamento de I Dr. Eligio Hernánd Secretario de Educ	ez Pérez		
	Hora de Entrada a Inspección:	9:00 am	Hora de Salida de Inspección:	11:30 am
	Escuela:	Pascasio P. Sanserrit	Código:	60400
	Municipio:	Carolina	Fecha de Inspección:	12 de enero de 2020
	Abrir Escuela (Ver	de)		
	Abrir Parcialmente	la Escuela (Amarillo)		
	No Abrir la Escuela	a (Rojo)		
	Comentarios:			
		n, puedo concluir que los miembros estructi	urales de la escuela, no	fueron directamente
	-	as recientes movimientos sísmicos o sus ré		
	en términos general	les.		
	Certifico que la escu	uela es capaz de reanudar sus operaciones	diarias en su totalidad (tado que no presenta
	7			
evidencia visible de daños o riesgos asociados a los mas recientes eventos sísmicos hasta la			asta la lecha de este illicilie.	
observa este info diseño d	r en las escuelas la c	informe está basado solamente en una inspresencia de daños significativos causados ón de la adecuación estructural de las escual que el desarrollo de recomendaciones	por los eventos sísmicos	s registrados hasta la fecha de
	Novherto M.	Benter Torres	BERY	LICENC ADO
	Nombre (Letra de M	noide)	ORB	I ARE
	Firma Firma	fr.	17348 # Licencia	LIC. #17348
		N .		0.



COLEGIO DE INGENIEROS Y AGRIMENSORES DE PUERTO RICO

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ESTAMPILLA DIGITAL ESPECIAL (EDE)

Ing. Norberto M. Benitez Torres, PE





ESIONAL

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Licencia:

17348

Renglón:

Servicio Profesional

Descripción del Trabajo: Informes Periciales Fecha de Emisión:

2020-01-20

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Número de Serie:

\$5

5242-6319-0362-3817

Número de Caso:

60400

Proyecto / Unidad:

Escuela Pascasio P. Sanserrit

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