### **CARTA DE TRAMITE**

Para: Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación De: Nombre de la Compañía Consultora: Benítez, Ramos & Associates, PSC PO BOX 364591 SAN JUAN PR 00936-4531 Dirección Postal: 787-707-1717 Teléfono: Nombre del Representante Autorizado: Norberto Benítez Torres JESUS MAMUEL SUAREZ Código: Escuela: 1/11/20 Fecha de CAROLINA Inspección: Municipio: Nombre del Ingeniero que emite la JUAN C. ROPRÍGUEZ recomendación: Anejos: Recomendación al Secretario

Estampilla Digital Especial emitida por el CIAPR

Informe de inspección Ocular

GENERAL INFORMATION			
Street Address of the School:	PR-853		
City: Carolina	State:	Puerto Rico	Zip: 00729
School Name:	Jesus Manuel Suarez	2-11-1-11-11-11-11-11-11-11-11-11-11-11-	
	11-january-2020		
© 10 m	d, P.E.		
BUILDING SITE INSPECTION			
TANT-Immediately following an earthquake, check the d, turn off the gas at the meter where it enters the hou	se. Locate and repair leaks be	fore turning gas back	
0 0	, 0		
a. Odor of natural gas leakage? YES	NO b. Downed pow	rerlines?  YES	s I NO
Surrounding topography: (②checkone)  Flat  Gently sloping (easily walkable)  Steeply sloping (difficult or impossible to walk	in some areas)		
Geotechnical Issues: (if yes, provide description at	nd photos)		YES NO
a. New cracks in the ground?			
b. Signs of fresh cracking in or movement of hards	cape?		
	·		
y y		nprovements?	
,,	•		
<ul> <li>h. Ground movement or wet areas indicating possi</li> </ul>	ble broken underground utility	lines?	
	Street Address of the School:  City: Carolina  School Name:  Date of inspection: Inspector's Name:  Juan C. Rodriguez Trinida  BUILDING SITE INSPECTION  Utility Service Safety:  TANT-Immediately following an earthquake, check the d, turn off the gas at the meter where it enters the houe gas has been shut off, vacate the building and contata tantal part of the amount of the gas at the meter where it enters the houe gas has been shut off, vacate the building and contata tantal part of the gas has been shut off, vacate the building and contata tantal gas leakage?  TANT-Before entering a damaged, vacant building verifier a manual valve or a seismically-activated gas shated as a contact of the seither a manual valve or a seismically-activated gas shated as a contact of the seither a manual valve or a seismically-activated gas shated as a contact of the seither a manual valve or a seismically-activated gas shated as a contact of the seither a manual valve or a seismically-activated gas shated as a contact of the seither a manual valve or a seismically-activated gas shated as a contact of the seither a manual valve or a seismically-activated gas shated as a contact of the seither and seither an	Street Address of the School:  City: Carolina  School Name:  Date of inspection:  Inspector's Name:  Juan C. Rodriguez Trinidad, P.E.  BUILDING SITE INSPECTION  Utility Service Safety:  TANT-Immediately following an earthquake, check the entire property, especially ned, turn off the gas at the meter where it enters the house. Locate and repair leaks be gas has been shut off, vacate the building and contact the gas utility company immediately a damaged, vacant building verify that gas is off. Check the gitther a manual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activated gas shut-off valve. Do not enter the trian annual valve or a seismically-activ	Street Address of the School:  City: Carolina  State:  Desus Manuel Suarez  III-january-2020  III-janu

В.	BUILDING SITE INSPECTION (continued)	YES	NO
9.	Evidence of earthquake-induced permanent ground deformation in the immediate vicinity of the property?		
C.	GENERAL BUILDING INFORMATION		
10.	Safety Assessment Tag: (12 check one) None Green Yellow Red  (others): Red		
11.	a) Year of original construction (best estimate): unknown b) Total square footage (best estimate): 33,000 sf	YES	NO
12.	Have any repairs, modifications, or demolition been performed since the earthquake?  If yes, describe		
13.	Building configuration:  a. Single story(Offices, Kinder)  b. Combination one and two story  c. Full two story(Classrooms)  d. Three story		
20	e. Split level f. Typical g. Other, describe  G. Flat or very low slope		
14.	Exterior wall finish:  a. Stucco  b. Panel siding  c. Metal siding  d. Shed  e. Other, describe  a. 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: spread footings		

D.	EXTERIOR BUILDING INSPECTION			
	19. 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?			
20.	Exterior walls: (if yes, provide description and photos)			
	a. Fresh cracking at corners of door and window openings?			
	b. Fresh cracking at building corners?(One non structural crack between structures)		U	
	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?(cement plaster)			
	g. Pattern of cracking that extends from the ground surface, through foundation, and wall?			
	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?			
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?		U	
	c. Ask homeowner if any earthquake retrofits have been done to the home?			
	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?			

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?			V
c. Collapse or partial collapse?			V
d. Visible damage or cracking?			
e. Visible tilting or separation from building?			
f. Shifted or loose and displaced			4
g. Deterioration or deformation			
23. Roof: (if yes, provide description and photos)			
a. Shifted or dislodged or concrete damage?			V
b. Impact damage to roof from falling object?			
c. Displaced rooftop HVAC units?			
d. Significantly sagging roof ridgelines?			U
e. Signs of movement between rafter tails and wall finishes at eaves?			4
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?			
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,			
	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?		[4	
	d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of		Ш	
	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	Ш		Ш
E.	INTERIOR INSPECTION			
26.	General information  a. If interior access not possible, identify reason N/A  b. Typical wall and ceilir	ng finish		
	i. Red tag			
	☐ ii. Hazardous materials ☐ ii. Plaster on gyp ☐ iii. Other hazardous condition, ☐ iii. Plaster on woo			
	describe iv. Other, describe		ſ	
	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		1	
	door and window openings?			
	b. Fresh cracking of wall finishes at wall corners or wall/ceiling intersections?			
	c. Door or window openings racked out of square?			
	d. Wall leaning?		4	
	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?		4	
	i. Windows damaged, difficult to operate, or inoperable?			
28.	Ceilings: (if yes, provide description and photos)			
	a. Collapse of ceiling finish?		<u> </u>	
	b. Fresh cracking of ceiling finishes, especially at re-entrant corners; cracks along corner			
	bead at stairwell openings; cracking or tearing of finishes at ceiling/wall juncture; or multiple	е		
	"nail pops"?			
	c. Damage to ceiling finishes in vicinity of corridors or commons places?		U	
	d. Separations or cracks in ceiling finishes at split-levels, re-entrant corners,		4	
	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,			
	appendages, or other building discontinuities?			
	e. Signs of movement between floor and exterior hardscape or retaining wall along	Ш		Ш
	the uphill side of homes on steeply sloping sites?			
	f. A pattern of fresh cracks, gaps, or joint separations in floor finishes?			
	g. Impact damage to floor finishes from falling contents?	Ш		Ш
				4
30.	Mechanical systems: (if yes, provide description and photos)			
	a. Displaced connection of appliance flues connected to chimneys?			
20	b. Toppling, shifting, leakage from tank, leakage from water connections displaced flue			
	connection or damage/leakage at gas line or electrical connection of water heater?		rb	
	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
	d. Damage to gas line of gas stoves or gas fueled clothes dryers?		ΠV	
	e. Damage to toilets?	Ш		Ш
	f. Decreased or restricted water pressure at appliances, faucets, or toilets?	П		П
	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			

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?		4	
	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?			
F.	CONTINGENTINSPECTIONS			
		YES	NO	N/A
32.	Retaining Tank Wall damage?			
33.	Water tank or other field subterranean structure			4

Additional Comments:

1) All buildings had short columns, however none of the structural element shows cracks that comprise the structure integrity.

RECOMENI	DACIÓN AL SECRETARIO				
Departamento Dr. Eligio Hern Secretario de E	ández Pérez				
Hora:	3:00 pm – 6:00 pm	Código:		60228	
Escuela: Jes	ús Manuel Suarez	Fecha de Inspección	ı:	January 11,2020	
Municipio: Care	olina				
Abrir Escuela (	Verde)				
Abrir Parcialme	nte la Escuela (Amarillo)				
No Abrir la Esc	uela (Rojo)				
Disabiman, It al					
facility for the p	ould be noted that, as requested, this urpose of assessing the presence of y 07, 2020 which may affect its str	significant structural	damage re	esulting from the seismic	. 1
construction buil	on of the structural adequacy of to ding codes requirements as well as o re a more extensive investigation than	leveloping recommend	lations for	the rehabilitation of the	
Juan C. Rodrig Nombre (Letra de	uez Trijnidad	unat one requested to	pe conduc	OU P	
Firma	Nolde)	31833 #Licencia	SUAN	LIC. #21833	3





SCHOOL	CODE	REGION	MUNICIPALITY	INSPECTOR	DATE
Jesus Manuel Suarez	60228	San Juan	Carolina	Juan C. Rodriguez Trinidad	11-Jan-2020

## **PHOTOS**

















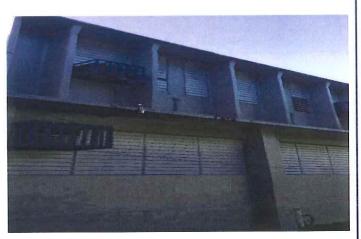
SCHOOL	CODE	REGION	MUNICIPALITY	INSPECTOR	DATE
Jesus Manuel Suarez	60228	San Juan	Carolina	Juan C. Rodriguez Trinidad	11-Jan-2020

## **PHOTOS**







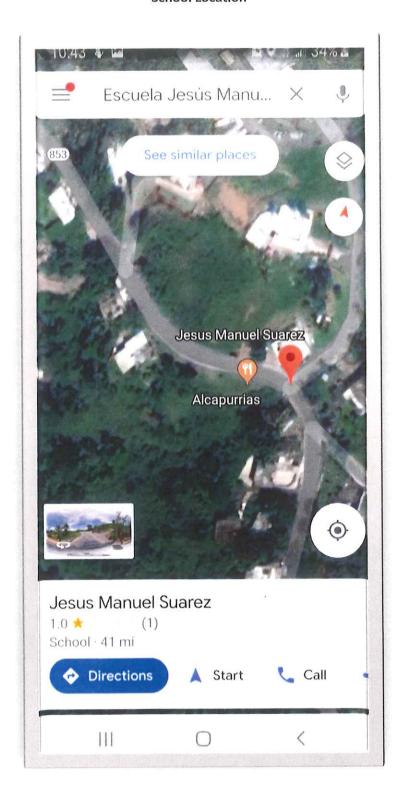






Inspection Pictures PAGE 2 de 3

### **School Location**



Inspection Pictures PAGE 3 de 3

G.	RECOMENDACIÓN AL SECRETARIO		
	Departamento de Educación Dr. Eligio Hernández Pérez Secretario de Educación		
	Hora: 3:00 pm – 6:00 pm	Código:	60228
	Escuela: Jesús Manuel Suarez	Fecha de Inspección:	January 11,2020
	Municipio: Carolina		
	Abrir Escuela (Verde)		
	Abrir Parcialmente la Escuela (Amarillo)		
	No Abrir la Escuela (Rojo)		
	y no presentan daños significativos que pudieran comprometer su		
	Disclaimer: It should be noted that, as requested, this report is facility for the purpose of assessing the presence of significant event of January 07, 2020 which may affect its structural co event.  The determination of the structural adequacy of the existing construction building codes requirements as well as developing facility will require a more extensive investigation than that one of the structural adequacy of the existing construction building codes requirements as well as developing facility will require a more extensive investigation than that one of the structural adequacy of the existing construction building codes requirements as well as developing facility will require a more extensive investigation than that one of the structural adequacy of the existing construction building codes requirements as well as developing facility will require a more extensive investigation than that one of the structural code is the structural adequacy of the existing construction building codes requirements as well as developing facility will require a more extensive investigation than that one of the structural code is the structural adequacy of the existing construction building codes requirements as well as developing facility will require a more extensive investigation than that one of the structural code is the structural adequacy of the existing construction building codes requirements as well as developing facility will require a more extensive investigation than that one of the structural code is the structural code is the structural code is the structural adequacy of the existing code is the structural code is the structura	t structural damage indition compared to g facility to meet to recommendations fo	that prior to the seismic that prior to the seismic the applicable design and or the rehabilitation of the
	Firma #	Licencia	Sello CRITO RICO RICO RICO RICO RICO RICO RICO RIC



### 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. Juan C Rodriguez Trinidad, PE



Práctica de:

Ingeniería

Licencia:

21833

Renglón:

Servicio Profesional

Descripción del Trabajo: Inspección y Verificación de Instalaciones

Fecha de Emisión:

2020-01-21

Monto Emitido:

\$5

Número de Serie:

4966-4825-6134-6930

Número de Caso:

60228

Proyecto / Unidad:

Escuela Jesus Manuel Suarez

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

