Α.	GENERAL INFORMATION			
1.	Street Address of the School:	Cll Notre Dame, San Juan, 00927		
	City: <u>San Juan</u>	State: Puerto Rico	<b>Zip:</b> <u>00927</u>	
2.	School Name:	University Gardens Highschool		
3.	Date of inspection:	Thursday, January 16, 2020		
4.	Inspector's Name: José Luis Marrer	o Sicardo, PE and Jose R. Gaya P.E.	_	
D	BUILDING SITE INSPECT	-		
В.	BUILDING SITE INSPECT	ON		
5.	Utility Service Safety:			
detected	I, turn off the gas at the meter where it ent	e, check the entire property, especially near appli ers the house. Locate and repair leaks before tu g and contact the gas utility company immediately	rning gas back on. If the gas odor persists	
		building verify that gas is off. Check the gas met ated gas shut-off valve. Do not enter the building		
	a. Odor of natural gas leakage?	YES NO b. Downed powerlines	? 🗌 YES 📕 NO	
6.	Surrounding topography: (Incheck one)         Flat         Gently sloping (easily walkable)         Steeply sloping (difficult or impossil)			
7.		und surface elevation difference across house) t ground surface elevation difference across hous	e)	
8.	Geotechnical Issues: (if yes, provide de	escription and photos)	YES NO	
	a. New cracks in the ground?			
	b. Signs of fresh cracking in or moveme	ent of hardscape?		
	c. Signs of fresh cracking in or moveme	nt of retaining walls?		
	d. Patterns of cracking that extend through	ugh the ground surface, hardscape, and improver	nents?	
	e. Evidence of sand boils or other fresh	-appearing deposits of sand or mud?		
	f. Unusual slumping, rising, or bulging	of the ground surface?		
	g. Evidence of rock falls or slope instab	ility above site?		
	h. Ground movement or wet areas indic	ating possible broken underground utility lines?		
	i. Other phenomena (e.g., septic tanks	surfacing, differential settlement, ground consolid	dation)?	

В.	BUILDING SITE INSPECTION (continued	)	YES	NO		
9.	Evidence of earthquake-induced permanent ground defore property?					
C.	GENERAL BUILDING INFORMATION					
10.	Safety Assessment Tag:       (I) check one)       None       Green       Yellow       Red         (others):       Yellow       Red					
11.	a) Year of original construction (best estimate): <u>1967</u> b) Total square footage (best estimate): <u>70,000 SF</u>		YES	NO		
12.	Have any repairs, modifications, or demolition been per	formed 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	<ul> <li>16. Sill bolting:</li> <li>h. Structure bolted to four</li> <li>i. Structure not bolted to</li> <li>j. Don't know</li> <li>17. Roof configuration:</li> <li>a. Gable</li> <li>b. Hip</li> <li>c. Flat or very low slope</li> </ul>				
14.	Exterior wall finish: a. Stucco b. Panel siding c. Metal siding d. Masonry veneer e. Other, describe	d. Shed 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. Metal e. Elastomeric f. 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?				
	b.	Obvious lean in any story?				
20.	Ex	terior walls: (if yes, provide description and photos)				
	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?				
	f.	Bulging or delamination of stucco?				
	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.	Fo	undation: (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?				
	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?			
	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)			
	a. Shifted or dislodged or concrete damage?			
	b. Impact damage to roof from falling object?			
	c. Displaced rooftop HVAC units?			
	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?			

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

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			
	wall along the uphill side of hon steeply sloping sites?			
	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			

#### E. INTERIOR INSPECTION

General information					
If interior access not possible, identify reason	b. Typical wall and ceiling finish				
i. Red tag	Li. Drywall				
ii. Hazardous materials	ii. Plaster on gypsum lath				
iii. Other hazardous condition,	iii. Plaster on wood lath				
describe	iv. Other, describe: Concrete block and plaster				
iv. Other, describe					
	If interior access not possible, identify reason i. Red tag ii. Hazardous materials iii. Other hazardous condition, 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			
	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?			
	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?			
	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			
	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?			

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			
	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?			
30.	Mechanical systems: (if yes, provide description and photos)			
	a. Displaced connection of appliance flues connected to chimneys?			
	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?			
	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?			
	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?			
	b. Impact damage to countertops from falling objects?			
	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?			
33.	Water tank or other field subterranean structure			

G.	RECOME	NDACIÓN AL SECRETARIO		
-	Departamen Dr. Eligio He	to de Educación ernández Pérez e Educación		
	Hora:	Varies	Código: Fecha de	#8638
	Escuela:	University ardens High School	Inspección:	Jan 16 2020
	Municipio:	San Juan		
	Abrir Escue	ela (Verde): No se observaron daños estructurale	es severos	X
		almente la Escuela (Amarillo): Se observaror		que requieren atención
		Escuela (Rojo): La estructura evidencia daños e		
	Jose R. Ga Nombre (Le	aya Gil etra de Molde)	19679 # Licencia	Sello

#### H. DISCLAIMER

It should be noted that, as requested, this report is based solely on a visual inspection of the as-is facility for the purpose of assessing the presence of significant structural damage resulting from the seismic event since January 07, 2020 which may affect its structural condition compared to that prior to the seismic event. Observations are only valid for seismic activity previous to the date of inspection.

The determination of the structural adequacy of the existing facility to meet the applicable design and construction building codes requirements as well as developing recommendations for the rehabilitation of the facility will require a more extensive investigation than that one requested to be conducted and reported herein.

#### I. FIELD INSPECTOR'S COMMENTS

De acuerdo con la inspección visual, no se observaron daños estructurales importantes a raíz de los pasados eventos sísmicos. Sin embargo, algunas grietas previas al evento entre paredes divisorias y miembros

estructurales deberán ser evaluadas por el ingeniero estructural. De igual forma, tendrán que ser evaluadas las

grietas verticales presentes en vigas estructurales localizadas cerca a los nodos de apoyo.

Se resalta el salón # 35 del tercer piso donde el empañetado de una pared no estructural

está próximo a desprenderse.

Name	License Number	Signature



