

GENERAL EARTHQUAKE DAMAGE INSPECTION CHECKLIST

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

A. GENERAL INFORMATION

- 1. **Street Address of the School:** PR-876 esq. Calle Bartolo Andino
 City: Trujillo Alto State: Puerto Rico Zip: 00924
- 2. **School Name:** Petra Zenon De Fabery
- 3. **Date of inspection:** January 17, 2020
- 4. **Inspector's Name:** Carlos A. Sanchez

B. BUILDING SITE INSPECTION

5. Utility Service Safety:

IMPORTANT—Immediately following an earthquake, check the entire property, especially near appliances, for the smell of gas. If gas odor is detected, turn off the gas at the meter where it enters the house. Locate and repair leaks before turning gas back on. If the gas odor persists after the gas has been shut off, vacate the building and contact the gas utility company immediately.

IMPORTANT—Before entering a damaged, vacant building verify that gas is off. Check the gas meter for damage and position of main gas valve, either a manual valve or a seismically-activated gas shut-off valve. Do not enter the building if gas odor is detected.

- a. Odor of natural gas leakage? YES NO
- b. Downed powerlines? YES 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 – Mostly flat (partial multilevel area)
- Terraced or multilevel
- Gently sloping (easily walkable)
- Steeply sloping (difficult or impossible to walk in some areas)

8. Geotechnical Issues: (if yes, provide description and photos)

	YES	NO
a. New cracks in the ground?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Signs of fresh cracking in or movement of hardscape	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Signs of fresh cracking in or movement of retaining walls?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Patterns of cracking that extend through the ground surface, hardscape, and improvements?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Evidence of sand boils or other fresh-appearing deposits of sand or mud?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Unusual slumping, rising, or bulging of the ground surface?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Evidence of rock falls or slope instability above site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. Ground movement or wet areas indicating possible broken underground utility lines?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Other phenomena (e.g., septic tanks surfacing, differential settlement, ground consolidation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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B. BUILDING SITE INSPECTION (continued)

9. Evidence of earthquake-induced permanent ground deformation in the immediate vicinity of the property?

YES NO

C. GENERAL BUILDING INFORMATION

10. Safety Assessment Tag: (check one) None Green Yellow Red
 (others): Yellow Red

11. a) Year of original construction (best estimate): Early approx. 1985
 b) Total Square footage (best estimate): 93,300 SF / Court: 8,400SF

12. Have any repairs, modifications, or demolition been performed since the earthquake?
 If yes, describe _____

YES NO

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 Bldg 1-Combination 2 & 3 story
Bldg2 (Vocational School) – One Story

16. Sill bolting:

- a. Structure bolted to foundation
- b. Structure not bolted to foundation
- c. Don't know

14. Exterior wall finish:

- a. Stucco
- b. Panel siding
- c. Metal siding
- d. Masonry veneer
- e. Other, describe _____

17. Roof configuration:

- a. Gable
- b. Hip
- c. Flat or very low slope
- d. Shed
- e. Other, describe _____

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 Specific foundation type is
unknown

18. Roof covering:

- a. Asphaltic membrane
- b. Wood shingle or shake
- c. Concrete
- d. Metal
- e. Elastomeric
- f. Other, describe _____

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D. EXTERIOR BUILDING INSPECTION

	YES	NO	N/A
19. General: (if yes, provide description and photos)			
a. Collapse, partial collapse, or building off foundation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Obvious lean in any story?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
20. Exterior walls: (if yes, provide description and photos)			
a. Fresh cracking at corners of door and window openings?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Fresh cracking at building corners?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Door or window openings racked out of square?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Broken glass in windows or doors?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Wall leaning?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Bulging or delamination of stucco?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Pattern of cracking that extends from the ground surface, through foundation, and wall?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
h. Evidence of recent relative movement at mudsill line?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. Collapse, partial collapse, or separation of masonry veneer?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. Severe cracking, separations, or offsets at building irregularities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Foundation: (if yes, provide description and photos)			
a. Fresh cracking of exposed perimeter foundation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Relative movement between slab and footing in "two-pour" slab-on-grade foundations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Ask homeowner if any earthquake retrofits have been done to the home?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If Y describe: <u>None reported</u>			
d. If the answer to c is Y, were bolts added to connect the home to the foundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. If the answer to c is Y, were plywood or sheathing added to any cripple walls under the home?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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D.EXTERIOR BUILDING INSPECTION (continued)

	YES	NO	N/A
22. Kitchen Hook: (if yes, provide description and photos)			
a. Present on external wall?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Present at internal location?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Collapse or partial collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Visible damage or cracking?	<input type="checkbox"/>	<input type="checkbox"/>	
e. Visible tilting or separation from building?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Shifted or loose and displaced?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Deterioration or deformation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23. Roof: (if yes, provide description and photos)			
a. Shifted or dislodged or concrete damage?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Impact damage to roof from falling object?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Displaced rooftop HVAC units?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Significantly sagging roof ridgelines?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Signs of movement between rafter tails and wall finishes at eaves?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Buckled/dislodged flashing or tearing of roof membrane, roof/wall intersections in split level buildings, additions, or other building irregularities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Tearing of roof membrane or deck waterproofing at re-entrant corners?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of rooftop mechanical equipment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. Shifting of or damage to solar panels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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D. EXTERIOR BUILDING INSPECTION (continued)

- | | YES | NO | N/A |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| 24. Attached or abutting improvements: (if yes, provide description and photos) | | | |
| a. Collapse, partial collapse, or separation of attached porches, carports, Gazebos, or awnings? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Evidence of recent settlement or displacement of exterior steps, patios, or walkways relative to the building? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| c. Signs of movement between building floor and/ or exterior hardscape or retaining wall along the uphill side of hon steeply sloping sites? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of air conditioning condenser unit(s)? Leakages not checked | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 25. Independent exterior improvements: (if yes, provide description and photos) | | | |
| a. Damaged detached gazebo? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Damage to fences / privacy walls? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Damage to retaining walls? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Damage to walkway? Preexisting damages | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Evidence of leakage from water supply lines? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Toppling, shifting, or damage/leakage at fuel connection of propane tanks?
<small>Propane Gas Tanks and piping was verified for odor and visible recent shifting from what it might be the original position. Leak and other damages might need to be check with the gas company. A thorough inspection was not performed.</small> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Other damage? Refer to the attached notes | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

E. INTERIOR INSPECTION

26. General Information

a. If interior access not possible, identify reason

i. Red tag

ii. Hazardous materials

iii. Other hazardous condition, describe _____

iv. Other, describe _____

b. Typical wall and ceiling finish

i. Drywall

ii. Plaster on gypsum lath

iii. Plaster on wood lath

iv. Other describe: Wall: Masonry w/ cement plaster _____

Ceiling: Cement Plaster (main Bldg) / Expose Metal deck

(Vocational Bldg.)

GENERAL EARTHQUAKE DAMAGE INSPECTION CHECKLIST

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E. INTERIOR INSPECTIONN (continued)

	YES	NO	N/A
27. Walls: (if yes, provide description and photos)			
a. Fresh cracking, buckling, spalling, or detachment of interior wall finish at corners of door and window openings?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Fresh cracking of wall finishes at wall corners or wall/ceiling intersections?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Door or window openings racked out of square?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Wall leaning?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Pattern of cracking that extends from the floor slab through the wall?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Movement or sliding of walls relative to the floor?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Severe cracking, separations, or offsets at building irregularities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Doors damaged, difficult to operate, or inoperable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. Windows damaged, difficult to operate, or inoperable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28. Ceilings: (if yes, provide description and photos)			
a. Collapse of ceiling finish?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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"?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Damage to ceiling finishes in vicinity of corridors or commons places?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Separations or cracks in ceiling finishes at split-levels, re-entrant corners, additions, appendages, or other building discontinuities? Preexisting openings at Building Joints between modules	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Water damage or evidence of recent leakage from plumbing lines or roofing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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E. INTERIOR INSPECTIONN (continued)

	YES	NO	N/A
29. Floors: (if yes, provide description and photos)			
a. Evidence of recent sloping, sagging, settlement or displacement of floors?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. In slab-on-grade locations, fresh cracking of floor slab or floor finishes?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Significant sagging or unusual bounciness of floors frames?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Separations or cracks in floor finishes at split-levels, re-entrant corners, additions, appendages, or other building discontinuities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Signs of movement between floor and exterior hardscape or retaining wall along the uphill side of homes on steeply sloping sites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. A pattern of fresh cracks, gaps, or joint separations in floor finishes?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Impact damage to floor finishes from falling contents?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
30. Mechanical systems: (if yes, provide description and photos)			
a. Displaced connection of appliance flues connected to chimneys?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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? Gas leakages not checked	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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? Leakages not checked	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Damage to gas line of gas stoves or gas fueled clothes dryers? Leakages not checked	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Damage to toilets?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Decreased or restricted water pressure at appliances, faucets, or toilets?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Toppling or shifting of free-standing wood stove and/or flue?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Toppling, shifting, damage/leakage at fuel connection of fuel oil tank? Leakages not checked	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. Other Damage in the dining room?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. Damage near the gas tank?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

GENERAL EARTHQUAKE DAMAGE INSPECTION CHECKLIST

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E. INTERIOR INSPECTIONN (continued)

	YES	NO	N/A
31. Architectural woodwork and special finishes: (if yes, provide description and photos)			
a. Shifting of or damage to kitchen or bathroom cabinetry?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Impact damage to countertops from falling objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Cracking of ceramic tile in showers or tub/shower enclosures consistent with earthquake damage to adjacent wall finishes?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

F. CONTINGENT INSPECTIONS

	YES	NO	N/A
32. Retaining Tank Wall damage?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
33. Water tank or other field subterranean structure?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NOTE: Refer to additional conditions notes and related pictures accompanying this checklist document.

G. RECOMENDACIÓN AL SECRETARIO

Departamento de Educación
Dr. Eligio Hernández Pérez
Secretario de Educación

Hora: 1:00pm

Código: 60913

Escuela: PETRA ZENON DE FABERY

Fecha de Inspección: 1/17/2020

Municipio: TRUJILLO ALTO

Abrir Escuela (Verde)

Abrir Parcialmente la Escuela (Amarillo)

No Abrir la Escuela (Rojo)

Comentarios:


Verde se refiere a que no se observaron daños estructurales severos; Amarillo se refiere a que se observaron algunos daños estructurales, que requieren atención; Rojo se refiere a que la estructura evidencia daños estructurales significativos.

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.

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.

No se apreciaron daños obvios a causa del terremoto. Sin embargo se recomienda
1) atender situación de posible asentamiento diferencial en la escalera sureste vs. el edificio modulo sur para evitar posible "pounding" entre ambas, 2) No utilizar el comedor y area pasillo al otro lado de las paredes agrietadas en forma tipo escalera,
3) Cerrar (no usar) la rampa de impedidos hasta no remover el material dañado, reparar la baranda y que se evalúe mejor su daño estructural si el caso.

Jose R. Gaya Gil
Nombre (Letra de Molde)

Firma 

19679
Licencia



Nota: Se debe cotejar la condición potencial de columna corta.

H. DISCLAIMER

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Escuela Petra Zenon De Fabery – Trujillo Alto	Visit Date: Jan-17-2020
Constructed ~ 1985	Const. Area: Middle & H. School ~56,600sf Int. Court: ~8,400sf
	Const Area: Vocational Bldg.: ~36,700sf
Maria de los Angeles Rivera O'Farrell	Director
-	AEP Supervisor
Maigualida Yopez	Maestra de Ciencias
Observations by: Carlos A. Sanchez Gallardo, P.E.	



School: **Petra Zenon de Fabery**
 City: Trujillo Alto
 Date: Jan-17-2020

	Significant Conditions Notes	Remarks	Picture
1	Recommendation: Further evaluation of short column condition to establish risk and propose solution methods.		
2	Possible differential settlement condition at the SE Stairs area noticeable at the building expansion joint (opening), CMU walls cracking in the vicinity, floor elevation difference and ceiling separations and cracks at the stairs and building joint.	S building section appears lower than the W building at the SE stairs joint and expansion joint. By the different cracks and openings appearance, it looks like a preexisting condition.	1 to 4
3	Stair step cracks at least at two CMU walls segments in the vicinity of the SE building expansion joint (dining hall/corridor wall)	Cracks appear preexisting but increasing in width (gloss paint stretching inside the crack). Cracks go all the way through	5/6
4	CMU wall base below SE Stairs to enclose and form a storage closet appears to be settling. There is a horizontal separation gap between the stair's structure (at intermediate landing) and the top of the CMU wall.	Gap appears to be preexisting. Condition might be related to the item above.	7/8
5	Separations at building expansion joints (between bldg. modules) causing cement plaster finish to crack, break and fall.	Many cases with opened gaps that have cracked and loosened the plaster on those joints (falling debris hazard on ceiling cases)	9/10/11
6	Handicap Ramp reinforced concrete wall broken section by a falling tree during H. Maria. Strong impact along the long axis of the ramp by the tree.	The ramp independent structure should be further evaluated	12
7	Division wall stair step cracks at walls in classroom (ciencia ambiental) and small office (educacion especial) both on level 3		13

	General/Typical Conditions Notes	Remarks	Picture
1	Concrete Delamination or Spalling at borders of elements or local areas	Preexisting Condition in multiple locations	14/15
2	Vertical cracks at various building CMU walls and exterior site walls		16
3	Horizontal separations or cracks at division walls joints with ceiling slab, beams, or other horizontal components		17/18
4	24b Hardscape walkways/slabs settling cracks or gaps	Preexisting Condition	
5	Slab cracks random patterns and long cracks perpendicular to the corridors in various classrooms (both levels)	Appear preexisting	19
6	Cantilever slab section on NW Stairs showing signs of separation and/or cracks related to the joint with the building and its' cantilever condition.		20
7	Basketball Court - Corrosion at columns' base plates and bolt nuts	Maintenance issue	

General Notes

- 1 Checklist answers are base on visible conditions. Conditions above ceilings and/or other enclosed or not accessible areas could not be verified.
- 2 Windows and doors operation was not verified, although they were observed for signs of related damages. Many are damaged by not related events
- 3 Propane Gas Tanks and piping was verified for odor and visible recent shifting from what it might be the original position. Leak and other damages might need to be check with the gas company. A thorough inspection was not performed.
- 4 Existing or previous condition refers that the observation appears to be old or preexisting to the event

PICTURES

School: Petra Zenon De Fabery
City: Trujillo Alto
Date: Jan-17-2020



General View – Main Bldg. (Middle and High School)



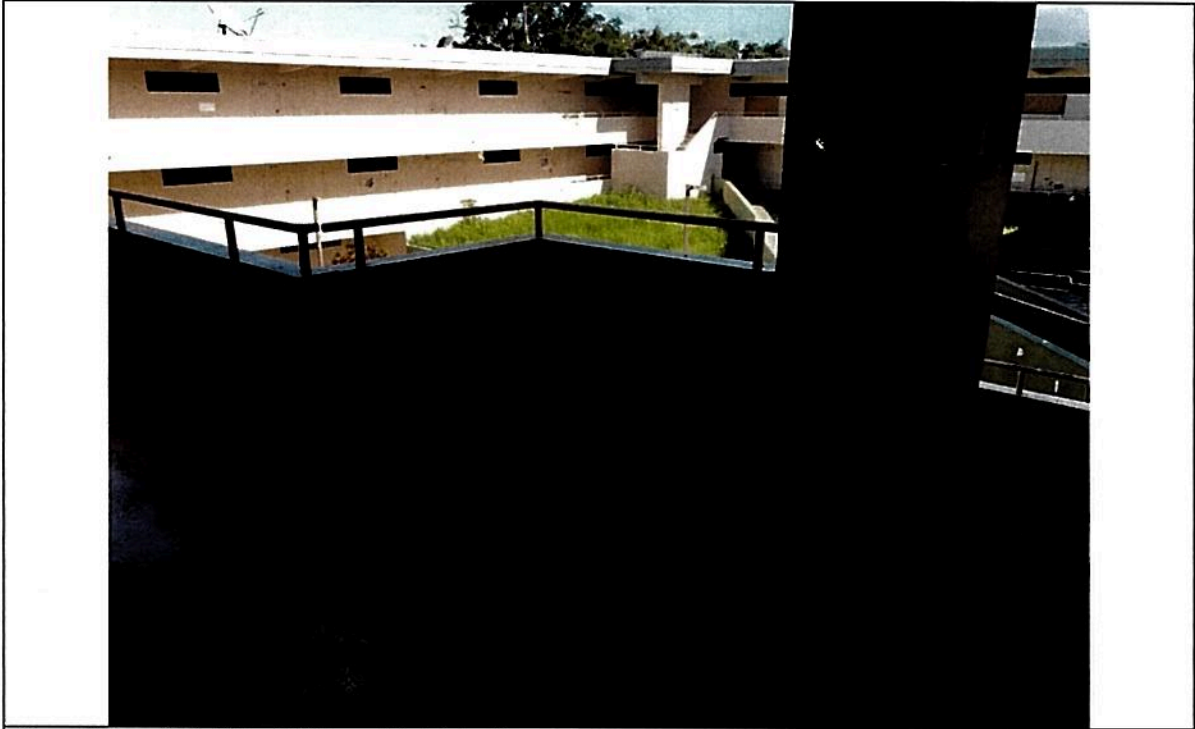
General View – Main Bldg. (Middle and High School)

PICTURES

School: Petra Zenon De Fabery
City: Trujillo Alto
Date: Jan-17-2020



General View – Main Bldg. (Middle and High School)



General View – Main Bldg. (Middle and High School)

PICTURES

School:	Petra Zenon De Fabery
City:	Trujillo Alto
Date:	Jan-17-2020



General View – Vocational School Workshops Bldg.

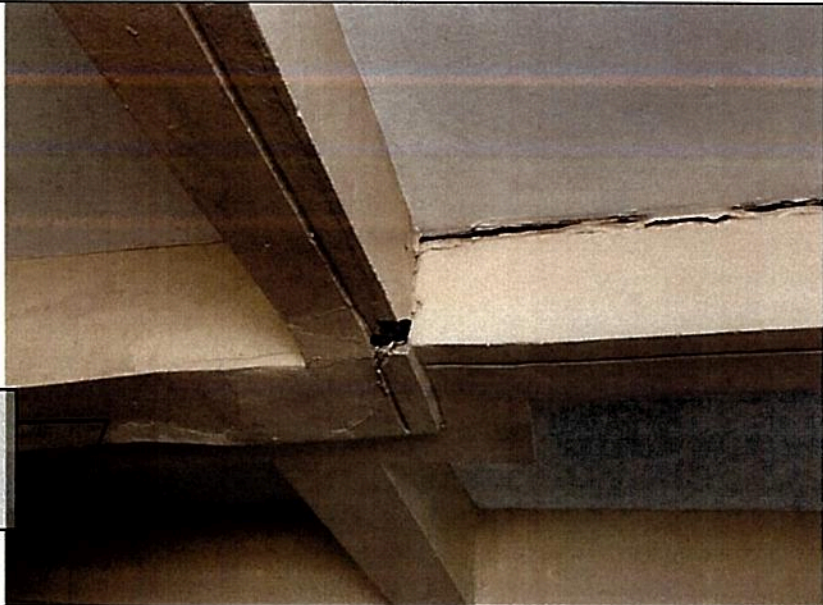


General View – Vocational School Workshops Bldg.

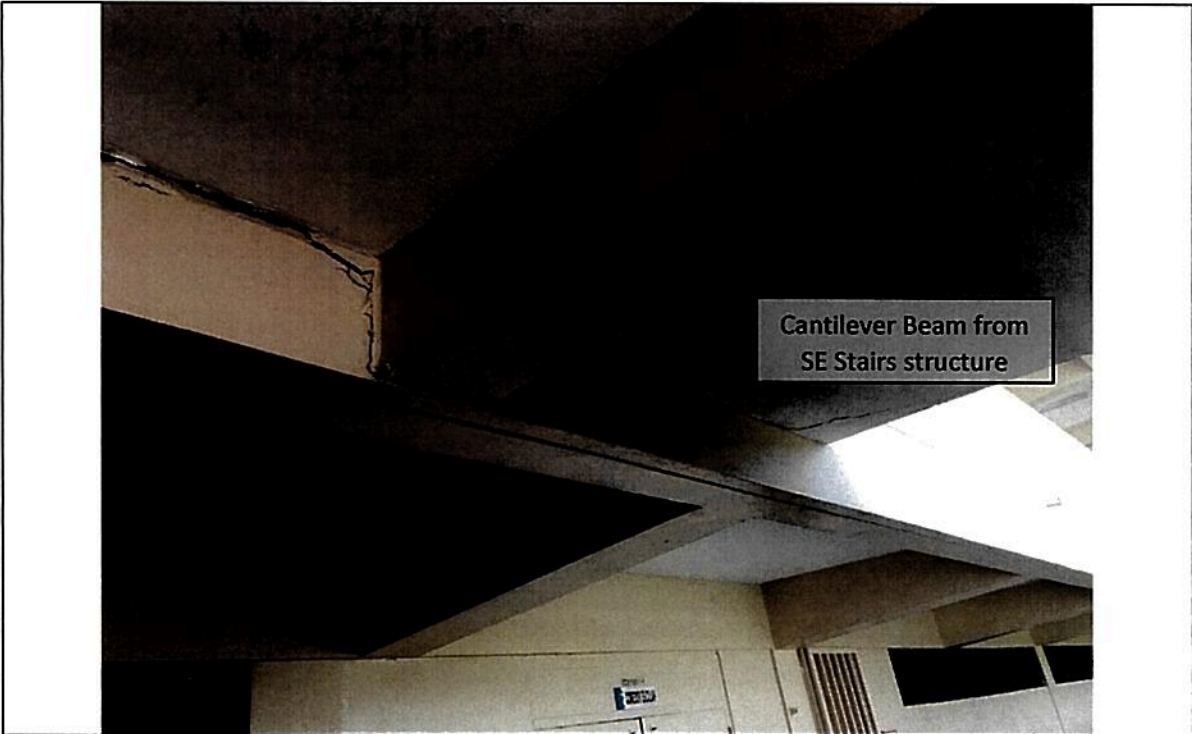
PICTURES

School: Petra Zenon De Fabery
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CMU Walls with Stair
Step Cracks at this
area



Picture 1 – Differential settlement condition at the SE Stairs area noticeable at the building expansion joint (opening), adjacent CMU walls cracking, floor elevation difference and ceiling separations and cracks at the stairs and building joint.

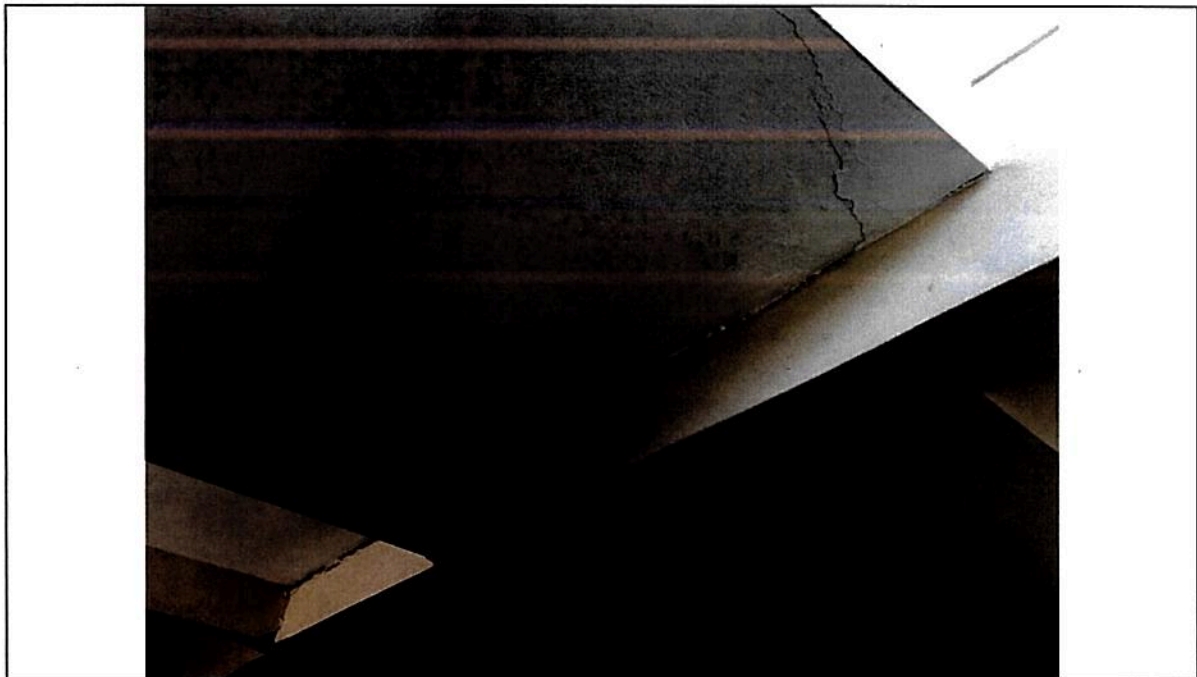


Cantilever Beam from
SE Stairs structure

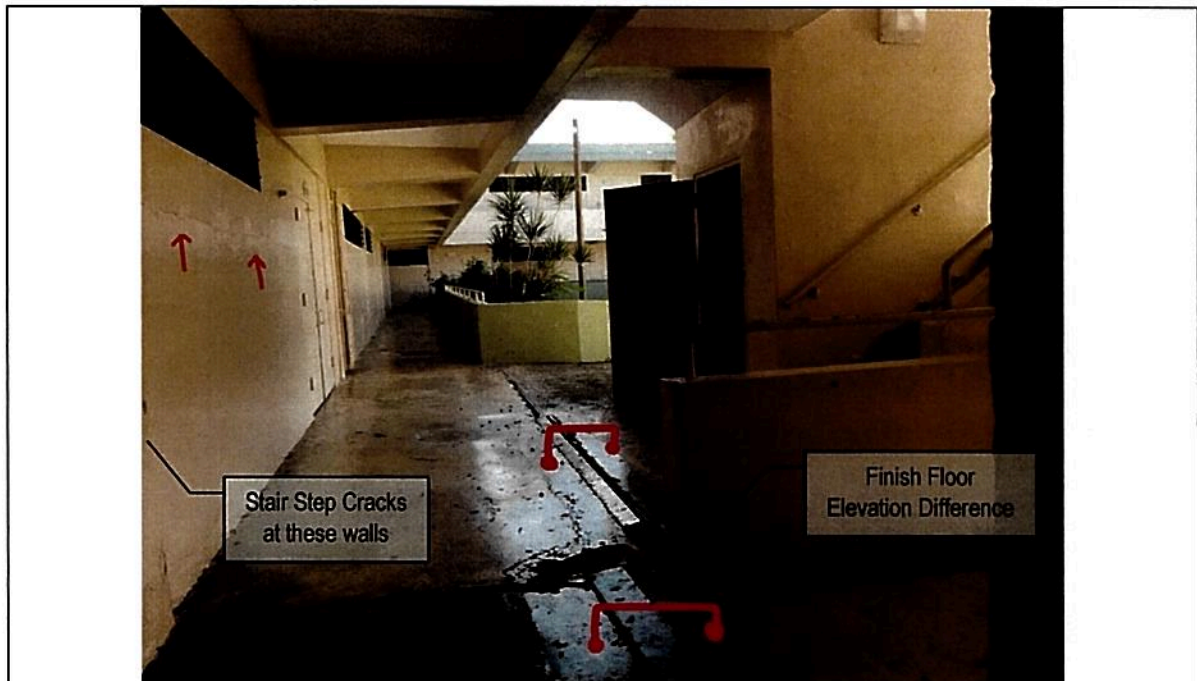
Picture 2 – Differential settlement condition at the SE Stairs area noticeable at the building expansion joint (opening), adjacent CMU walls cracking, floor elevation difference and ceiling separations and cracks at the stairs and building joint.

PICTURES

School: Petra Zenon De Fabery
City: Trujillo Alto
Date: Jan-17-2020



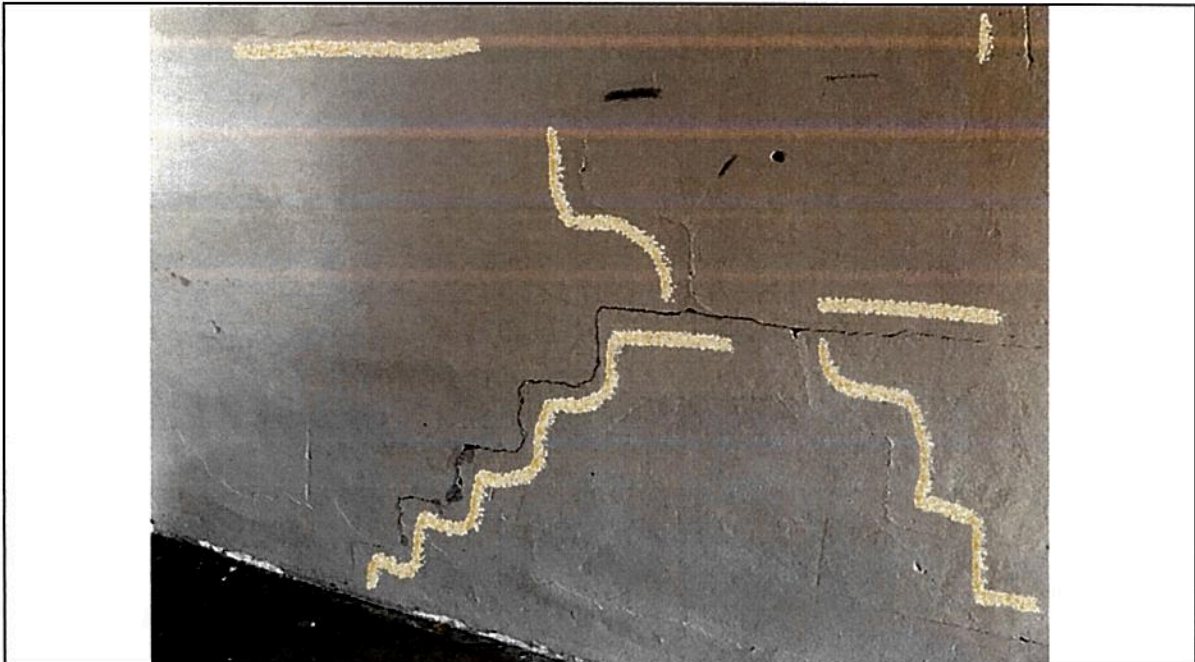
Picture 3 – Differential settlement condition at the SE Stairs area noticeable at the building expansion joint (opening), adjacent CMU walls cracking, floor elevation difference and ceiling separations and cracks at the stairs and building joint.



Picture 4 – Differential settlement condition at the SE Stairs area noticeable at the building expansion joint (opening), adjacent CMU walls cracking, floor elevation difference and ceiling separations and cracks at the stairs and building joint.

PICTURES

School:	Petra Zenon De Fabery
City:	Trujillo Alto
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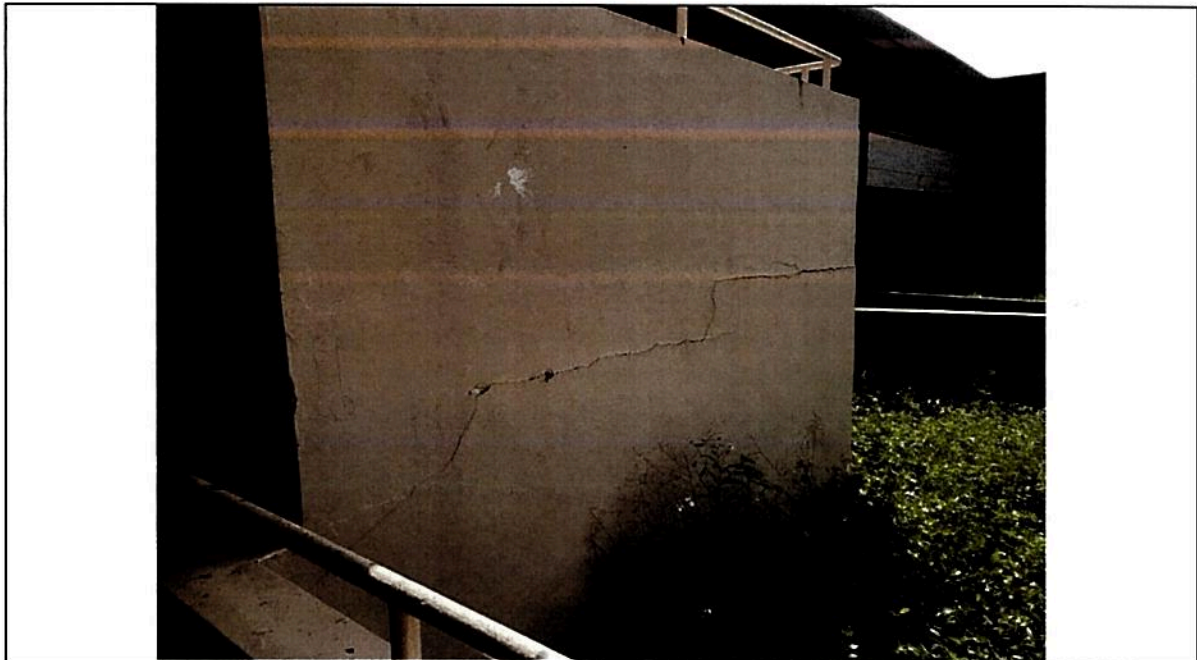
Picture 5 – Stair step cracks at least at two CMU walls segments in the vicinity of the SE building expansion joint (dining hall/corridor wall) – Image shows corridor side



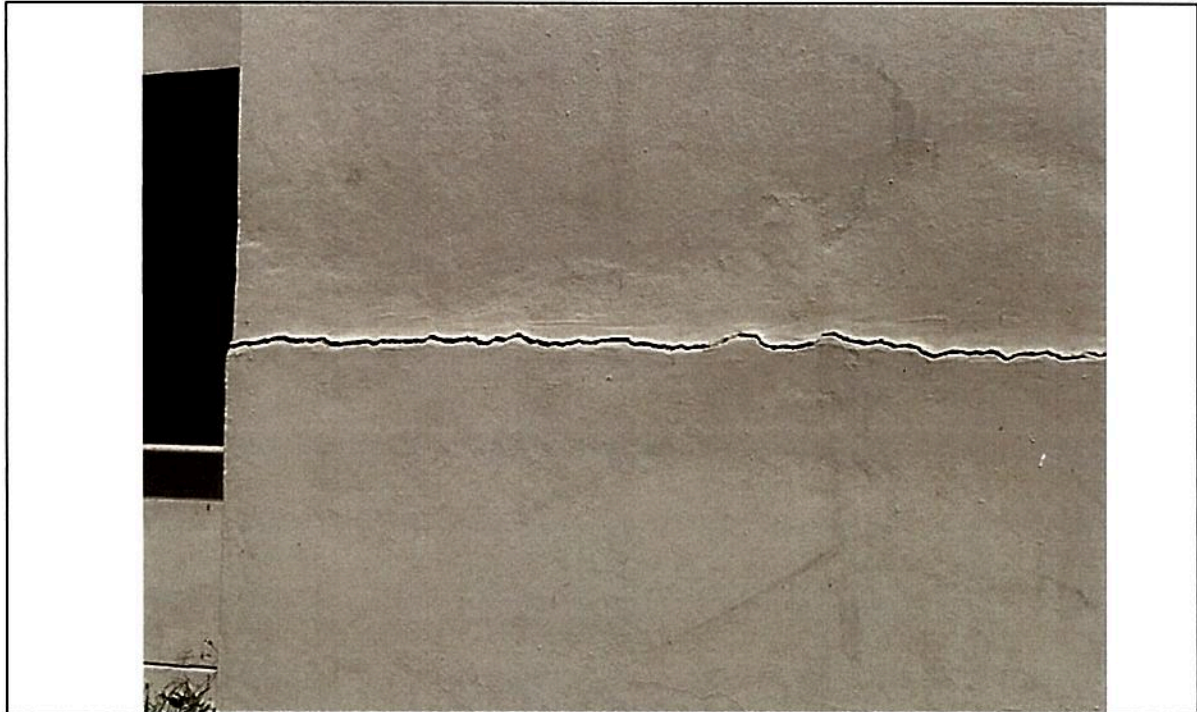
Picture 6 – Stair step cracks at least at two CMU walls segments in the vicinity of the SE building expansion joint (dining hall/corridor wall) – Image shows dining hall side

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Picture 7 - CMU wall base below SE Stairs to enclose and form a storage closet appears to be settling. There is a horizontal separation gap between the stair's structure (at intermediate landing) and the top of the CMU wall.



Picture 8 - CMU wall base below SE Stairs to enclose and form a storage closet appears to be settling. There is a horizontal separation gap between the stair's structure (at intermediate landing) and the top of the CMU wall.

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Picture 9 - Open construction joints between building modules (Cracked and loose plaster)



Picture 10 - Open construction joints between building modules

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Picture 11 - Open construction joints between building modules



Picture 12 – Handicap Ramp reinforced concrete wall broken section by a falling tree during H. Maria. Strong impact along the long axis of the ramp by the tree.

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Picture 13 - Division wall stair step cracks at walls in classroom (ciencia ambiental) and small office (educacion especial) both on level 3



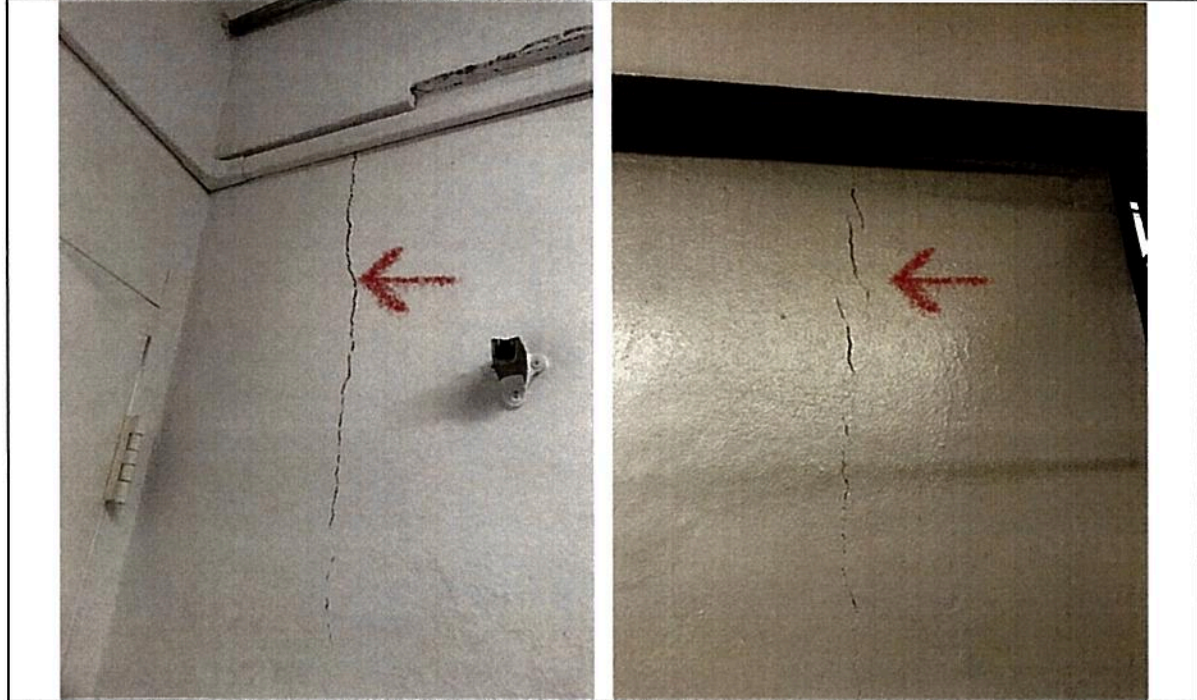
Picture #14 - Concrete Delamination or Spalling at borders of elements or local areas

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Picture #15 - Concrete Delamination or Spalling at borders of elements or local areas



Picture 16 - Vertical cracks in exterior site CMU wall fence and building CMU walls

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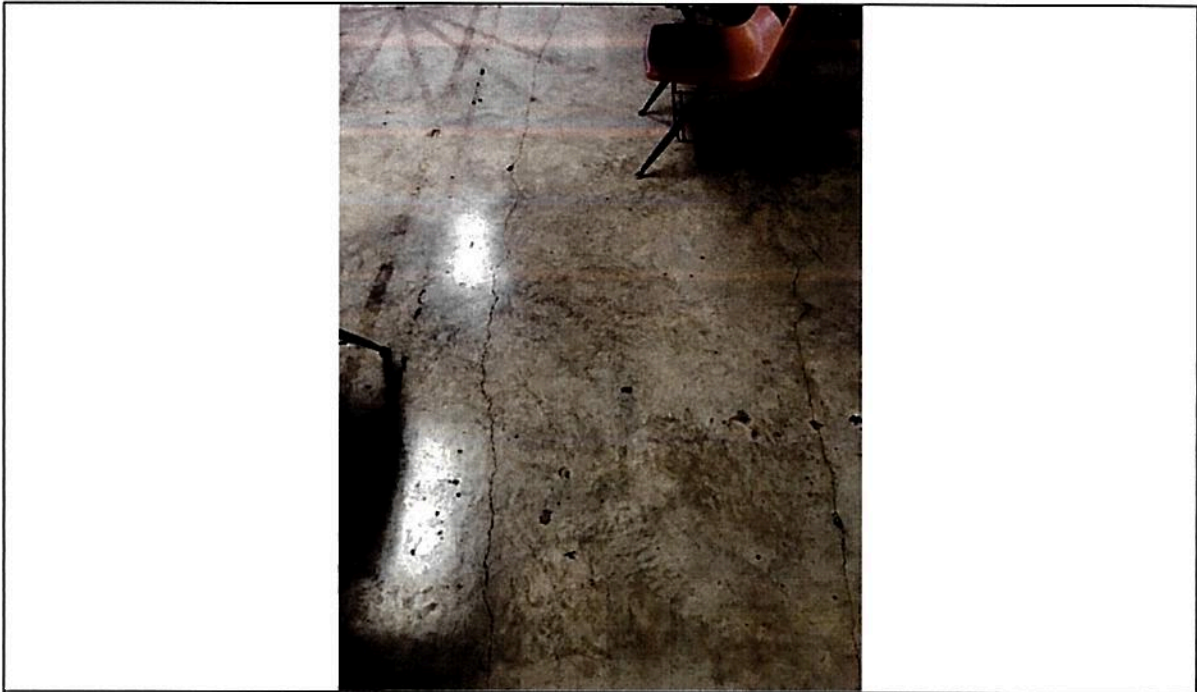
Picture 17 - Horizontal separations or cracks at division walls joints with ceiling slab, beams, or other horizontal component



Picture 18 - Horizontal separations or cracks at division walls joints with ceiling slab, beams, or other horizontal component

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Picture 19 - Slab cracks random patterns and long cracks perpendicular to the corridors in various classrooms (both levels)



Picture 20 - Cantilever slab section on NW Stairs showing signs of separation and/or cracks related to the joint with the building and its' cantilever condition.