

G. RECOMENDACIÓN AL SECRETARIO

Departamento de Educación
Dr. Eligio Hernández Pérez
Secretario de Educación

Hora: 9 am

Código: 8697(AEP) 60095 (DE)

Escuela: El Conquistador

Fecha de Inspección: 11/17/2020

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) no utilizar los salones en la esquina noreste Piso 1 y 2 hasta que no se evalúe estructuralmente adicional, 2) que se proteja la entrada principal del edificio con barrera tipo construcción para proteger de pared agrietada a nivel superior, 3) Se anclan los conductos y extractores de la cocina que están anclados temporalmente.

Jose R. Gaya Gil
Nombre (Letra de Molde)


Firma

19679
Licencia



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

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.

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.

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:** Calle 11 esquina Calle 13 Urb. El Conquistador
 City: Trujillo Alto State: Puerto Rico Zip: 00976
2. **School Name:** El Conquistador
3. **Date of inspection:** January 17, 2020
4. **Inspector's Name:** Carlos A. Sanchez / Jose Epaya - Supervisor
Revisado 3/febr/2020 

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) – *Combination of Flat, Gently and Steep*

7. Building pad: (check one)

- Flat – *Mostly flat*
 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"/> |

GENERAL EARTHQUAKE DAMAGE INSPECTION CHECKLIST

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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): Approx. 1982

b) Total Square footage (best estimate): 33,500 SF / Court: N/A

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 Comb. of 2 ea 3 Stories and 1
story with semi basement area

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. Elastometric
- f. Other, describe _____

GENERAL EARTHQUAKE DAMAGE INSPECTION CHECKLIST

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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 – Preexisting (See Notes)	<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: _____			
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"/>

GENERAL EARTHQUAKE DAMAGE INSPECTION CHECKLIST

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

D.EXTERIOR BUILDING INSPECTION (continued)

	YES	NO	N/A
22. Kitchen Hook: (if yes, provide description and photos) - See Notes for external kitchen ductwork/Fan			
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? (existing by H. Maria)	<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? Leakages not checked	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. Shifting of or damage to solar panels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GENERAL EARTHQUAKE DAMAGE INSPECTION CHECKLIST

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

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? - Evidence of preexisting condition | <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 checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Toppling, shifting, or damage/leakage at refrigerant and electrical lines of air conditioning condenser unit(s)? <i>Leakages not checked</i> | <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 type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Damage to fences / privacy walls? <i>Preexisting</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Damage to retaining walls? <i>Preexisting – See Notes</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Damage to walkway? | <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. <i>Other damage?</i> | <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 Masonry + cement plaster +

Exposed 2ble T Slab Beams

GENERAL EARTHQUAKE DAMAGE INSPECTION CHECKLIST

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

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?	<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"/>

GENERAL EARTHQUAKE DAMAGE INSPECTION CHECKLIST

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

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?	<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? <i>Leakages not checked</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Damage to gas line of gas stoves or gas fueled clothes dryers? <i>Leakages not checked</i>	<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? <i>Leakages not checked</i>	<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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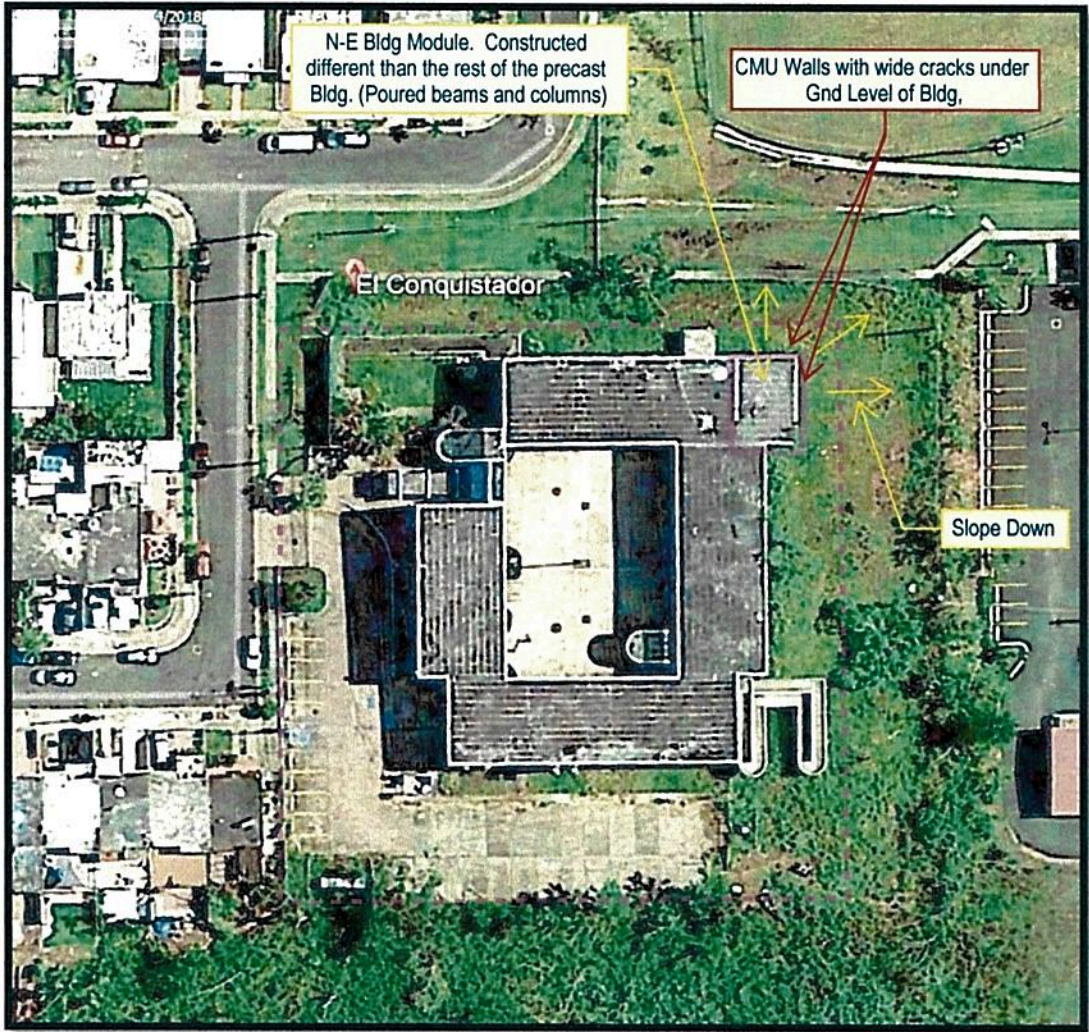
E. INTERIOR INSPECTIONN (continued)

	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"/>

Escuela El Conquistador – Trujillo Alto	Visit Date: Jan-17-2020
Constructed ~ Early 1980's (Approx.1982)	Const. Area ~33,500sf / Court: N/A
Damarys Maldonado	Director
-	AEP Supervisor
Observations by: Carlos A. Sanchez Gallardo, P.E.	



School: **El Conquistador**
 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	Exterior CMU wall over main entrance beam has multiple horizontal and vertical cracks that go all the way through the wall section.	Threat of potential collapse of cement plaster or block units above main entrance	1/2
3	Kitchen Ventilation Ductwork and Fans 2ea (Exterior) - Supports at roof level are extremely corroded and they are temporarily attached to the building by a coated wire with eye bolts.	The temporary system does not provide proper support to the ductwork with the weight of the Exhaust Fans on top, making them swing considerably.	3/4/5
4	Wide cracks (horizontal and vertical) at wall under North-East part of the building. Cracks appear to be preexisting.	This part of the building appears to be constructed by poured concrete beams and columns different from the rest of the precast building. The North module and this section of the building are approx. 8' above ground above a wall. This wall appears to be settling by the look of the vertical cracks (increasing in width as they go up near this corner of the building. Refer to the conditions of the classrooms above this area in the next note.	6/7/8/9
5	Floor and roof slab cracks at the N-E building module	Perpendicular to the beams and diagonal at the N-E corner (2nd floor slab and roof slabs)	10/11/12
6	Noticeable diagonal and vertical fine cracks at various 2ble T Slab webs in Classrooms (typically at the exterior coupling end of the slab-beam). Fine cracks consistent with shear and bending stress.	Further evaluation of the condition is recommended to determine how extensive is the condition throughout the building, what are the risks and correction alternatives if required. Condition was more noticeable at exterior beam side of classrooms 5B (1web), 6B (4 webs), 7B (1 web) and 8B (1 web).	13/14
7	Diagonal cracks at masonry division walls	Crack goes all the way through. Wall between storage room (front of Classroom 3A) and classroom on the other side	15

	General/Typical Conditions Notes	Remarks	Picture
1	Preexisting vertical cracks in exterior site CMU wall fence and building CMU walls		16
2	Hardscape walkways/slabs settling cracks or gaps	Preexisting Condition	
3	Concrete Delamination or Spalling at borders or local areas	Preexisting Condition	
4	Separations between 2ble T Beams' flanges and neighbor beams, walls and/or slabs.		17
5	Concrete Delamination or Spalling at borders or local areas		18
6	Cracks (Horz.) between CMU walls and same CMU wall sections between each 2ble T Beam webs (many cases)		19
7	Slab cracks random patterns in many of the classrooms (both levels)		
8	Separations at building expansion joints causing cement plaster finish to crack, break and fall.	Expansion joints between building modules	20/21
9	Horizontal separations or cracks at CMU division walls joint with the slab or bottom of the 2ble T web.	Some with some delamination of the 2ble T Slab flange	22/23/24

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: El Conquistador
City: Trujillo Alto
Date: Jan-17-2020



General View



General View

PICTURES

School: El Conquistador

City: Trujillo Alto

Date: Jan-17-2020



General View



General View

PICTURES

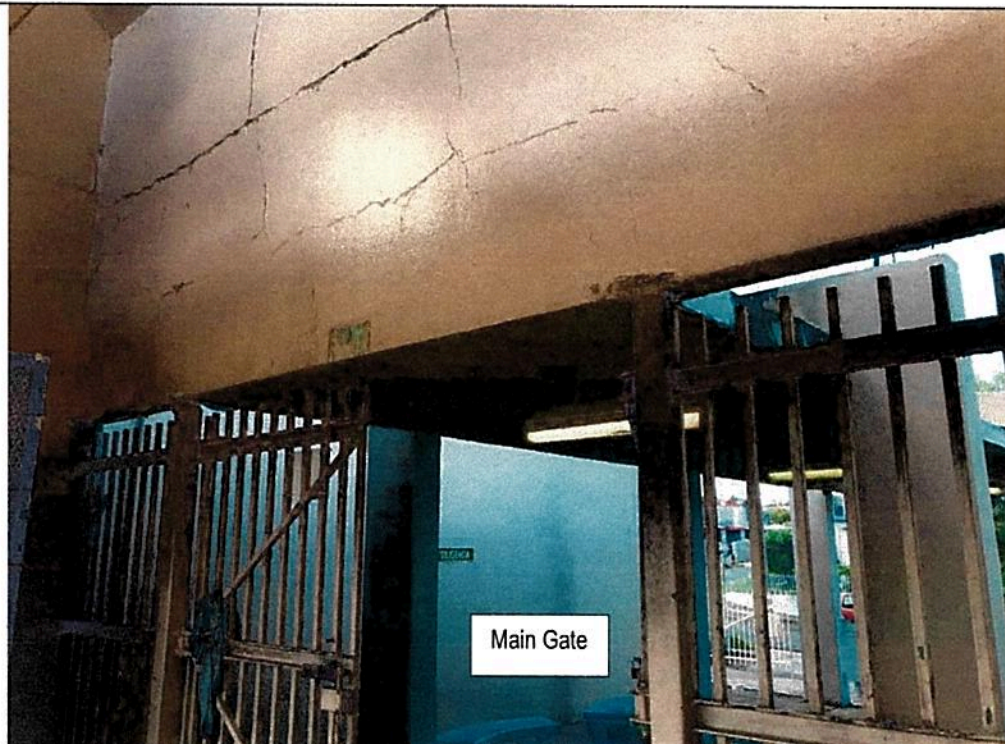
School: El Conquistador

City: Trujillo Alto

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Picture 1 – Exterior CMU wall over main entrance beam has multiple horizontal and vertical cracks that go all the way through the wall section – Exterior View



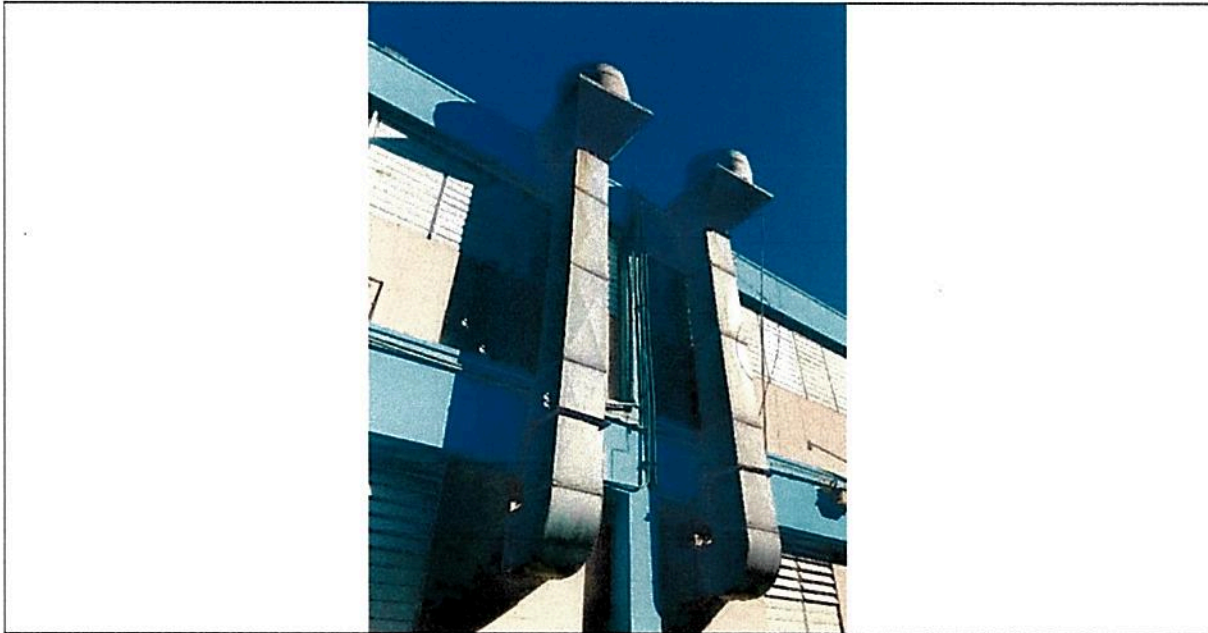
Picture 2 – Exterior CMU wall over main entrance beam has multiple horizontal and vertical cracks that go all the way through the wall section – Interior View

PICTURES

School: El Conquistador

City: Trujillo Alto

Date: Jan-17-2020



Picture 3 -Kitchen Ventilation Ductwork and Fans 2ea (Exterior) - Supports at roof level are extremely corroded and they are temporarily attached to the building by a coated wire with eye bolts.



Picture 4 – Kitchen Ventilation Ductwork and Fans 2ea (Exterior) - Supports at roof level are extremely corroded and they are temporarily attached to the building by a coated wire with eye bolts.

PICTURES

School: El Conquistador

City: Trujillo Alto

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Picture 5 – Kitchen Ventilation Ductwork and Fans 2ea (Exterior) - Supports at roof level are extremely corroded and they are temporarily attached to the building by a coated wire with eye bolts. Both fan assemblies are wobbly.



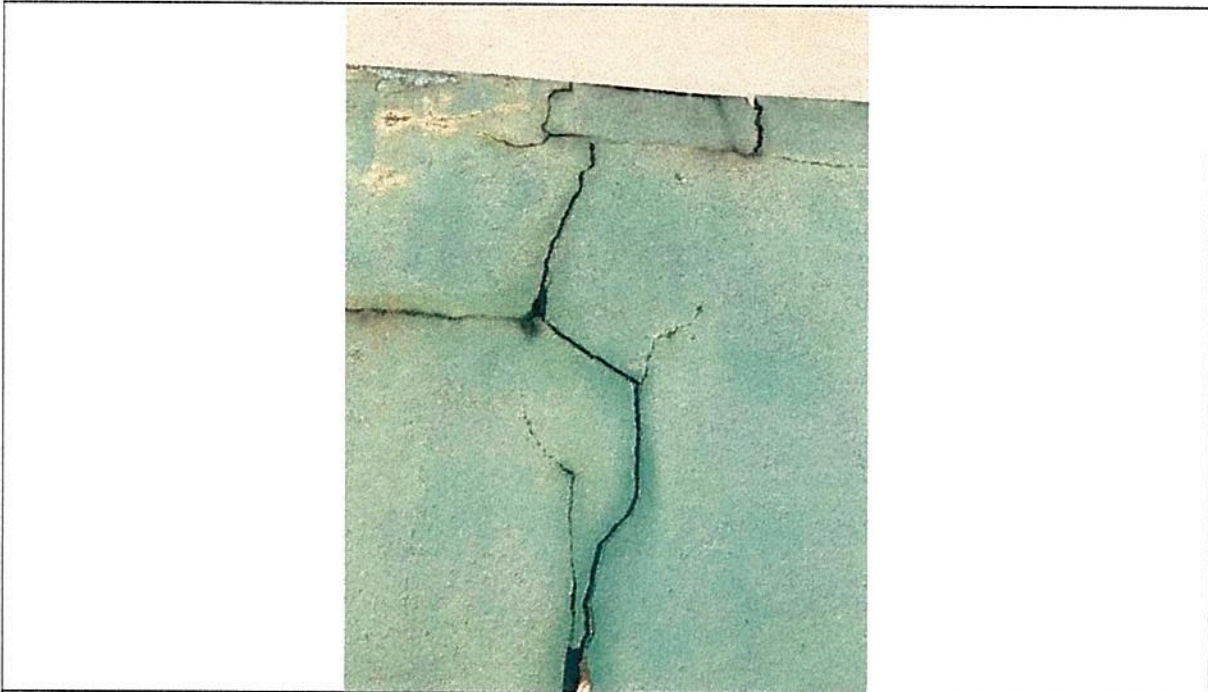
Picture 6 - Wide cracks (horizontal and vertical) at CMU wall under North-East part of the building. East side of the N-E corner.

PICTURES

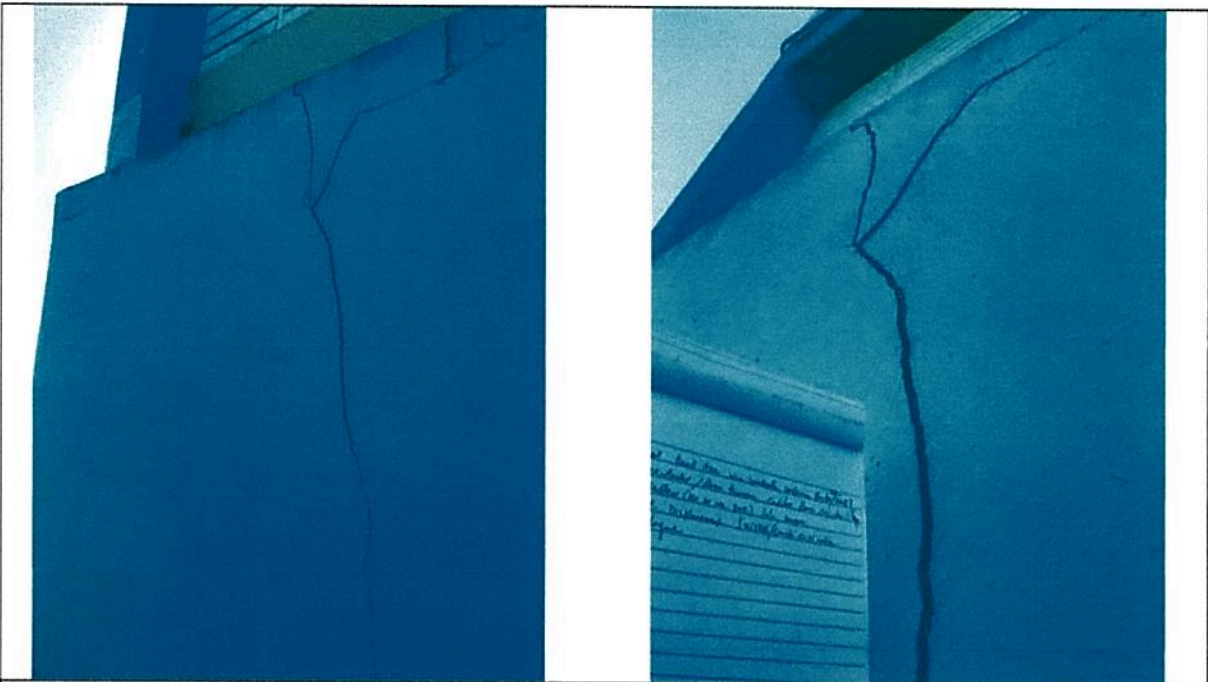
School: El Conquistador

City: Trujillo Alto

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Picture 7 - Wide cracks (horizontal and vertical) at CMU wall under North-East part of the building. East side of the N-E corner.



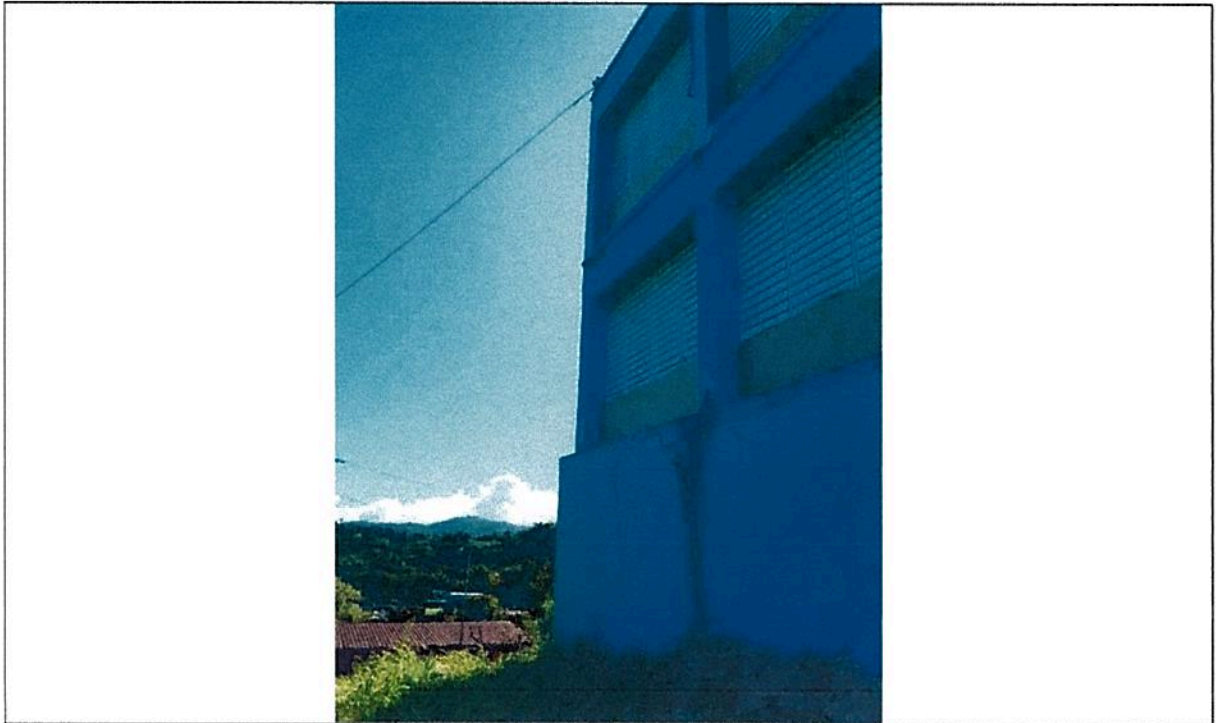
Picture 8 - Wide cracks (horizontal and vertical) at CMU wall under North-East part of the building. North side of the N-E corner.

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Picture 9 - Wide cracks (horizontal and vertical) at wall under North-East part of the building. North side of the N-E corner.



Picture 10 - Floor and roof slab cracks at the N-E building module (Classrooms)

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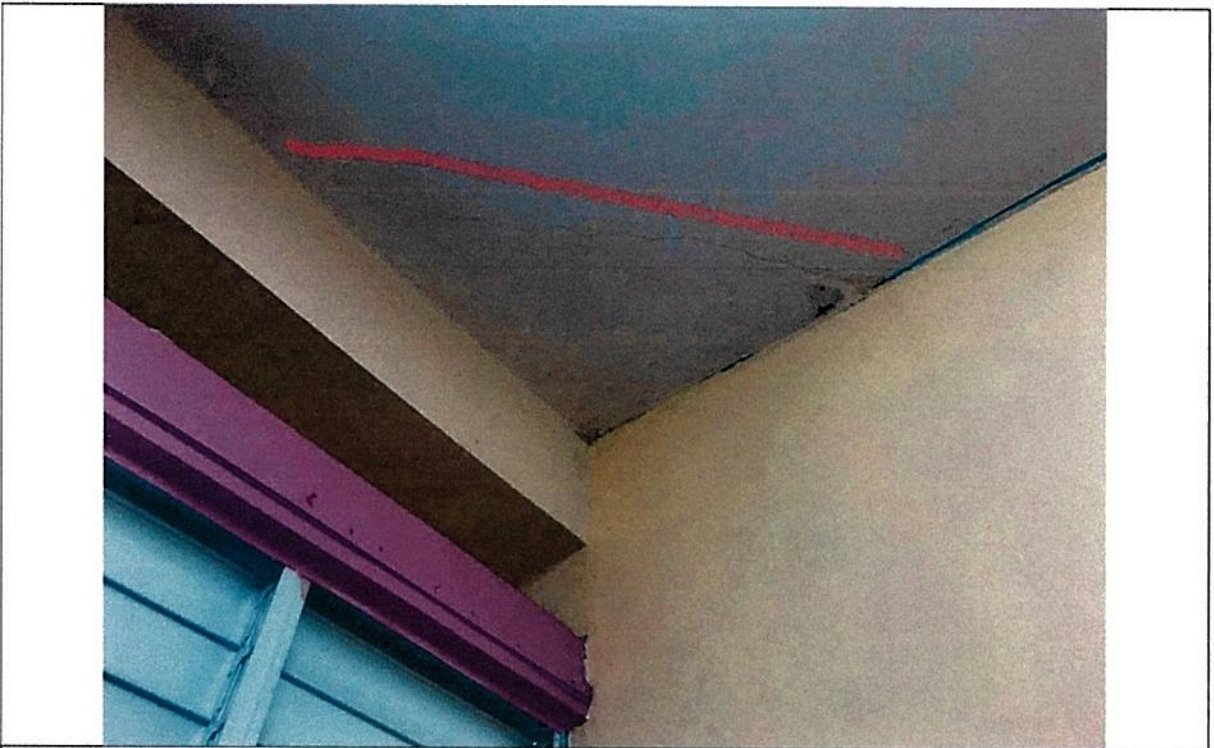
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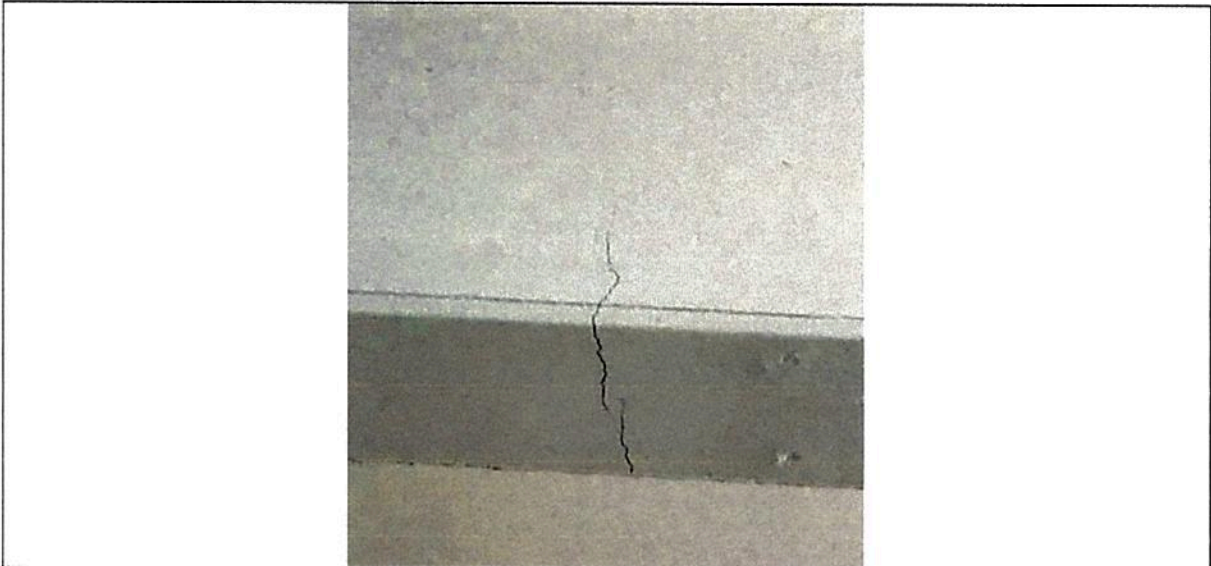
Picture 11 – Floor and roof slab cracks at the N-E building module (Classrooms)



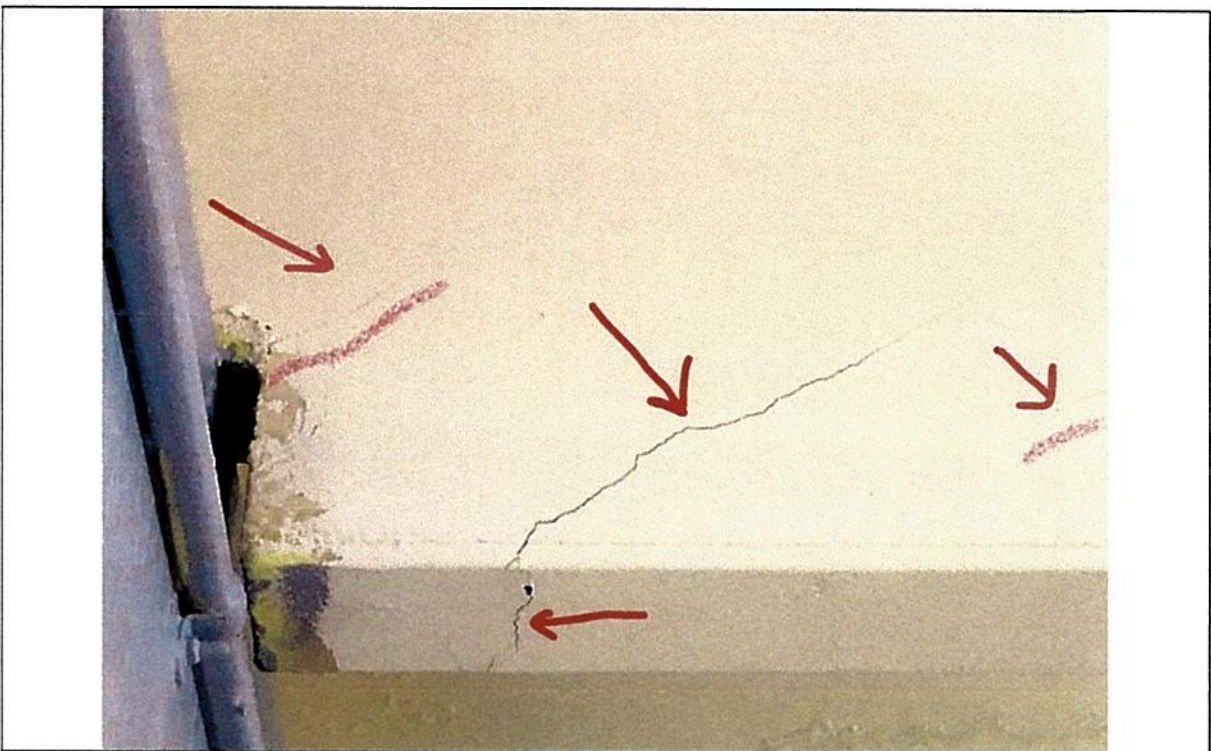
Picture 12 - Floor and roof slab cracks at the N-E building module (Classrooms)

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Picture 13 – Noticeable diagonal and vertical fine cracks at various 2ble T Slab webs in Classrooms (typically at the exterior coupling end of the slab-beam).



Picture 14 – Noticeable diagonal and vertical fine cracks at various 2ble T Slab webs in Classrooms (typically at the exterior coupling end of the slab-beam). Image shows one of 4 webs with fine cracks in Classroom 6B (Exterior beam side).

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Picture 15 – Diagonal cracks at masonry division walls



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

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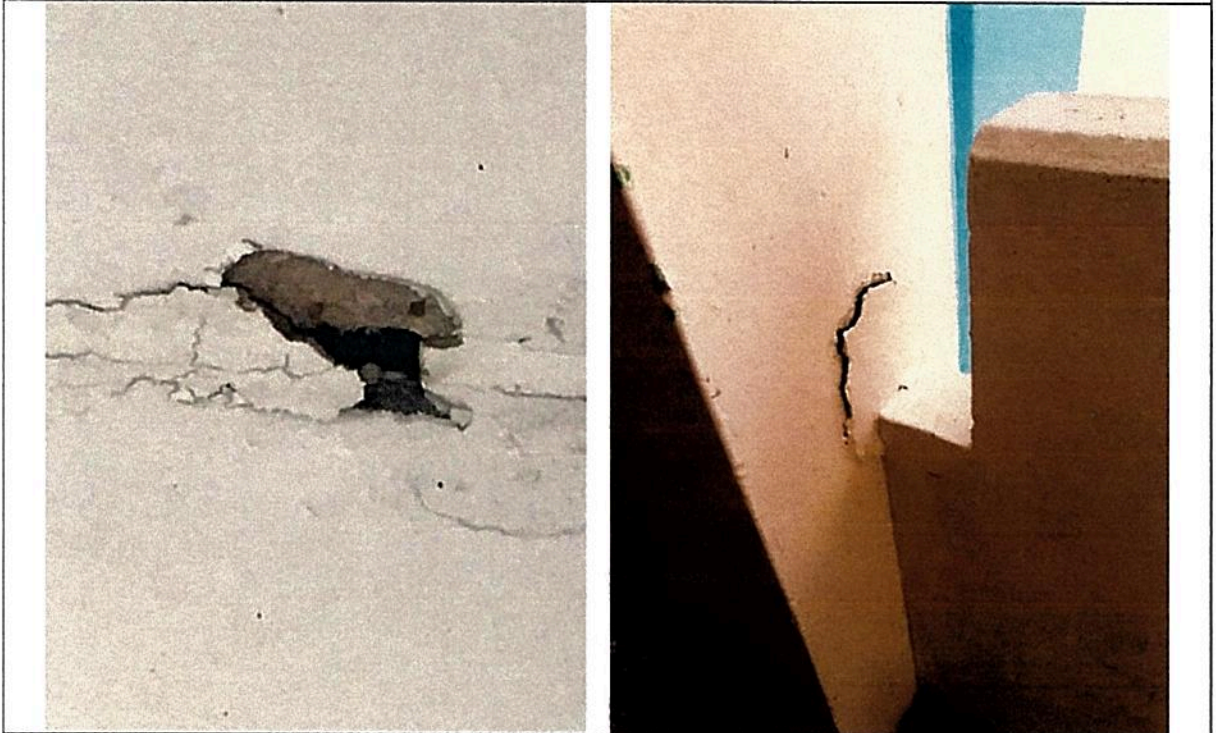
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Picture 17 - Separations between 2ble T Beams' flanges and neighbor beams, walls and/or slabs. Delamination of finish plaster



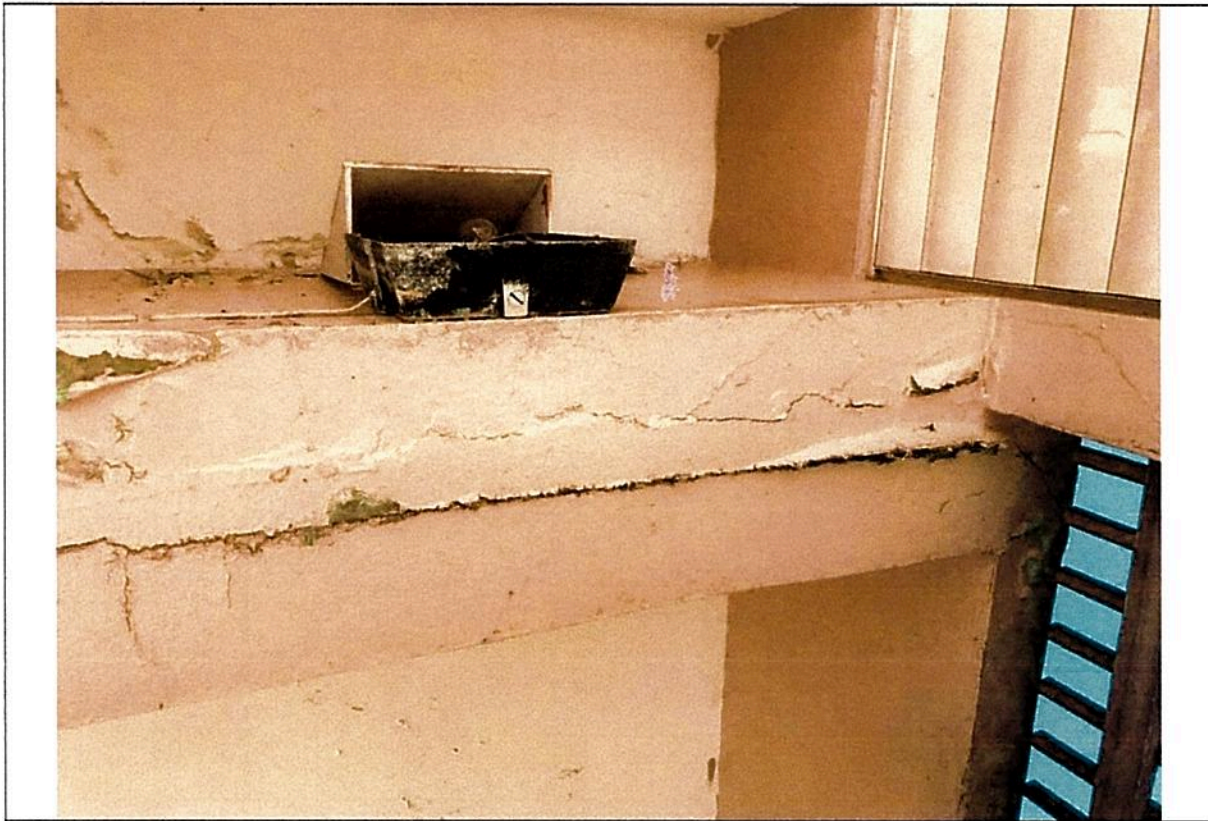
Picture 18 - Concrete Delamination or Spalling at borders or local areas

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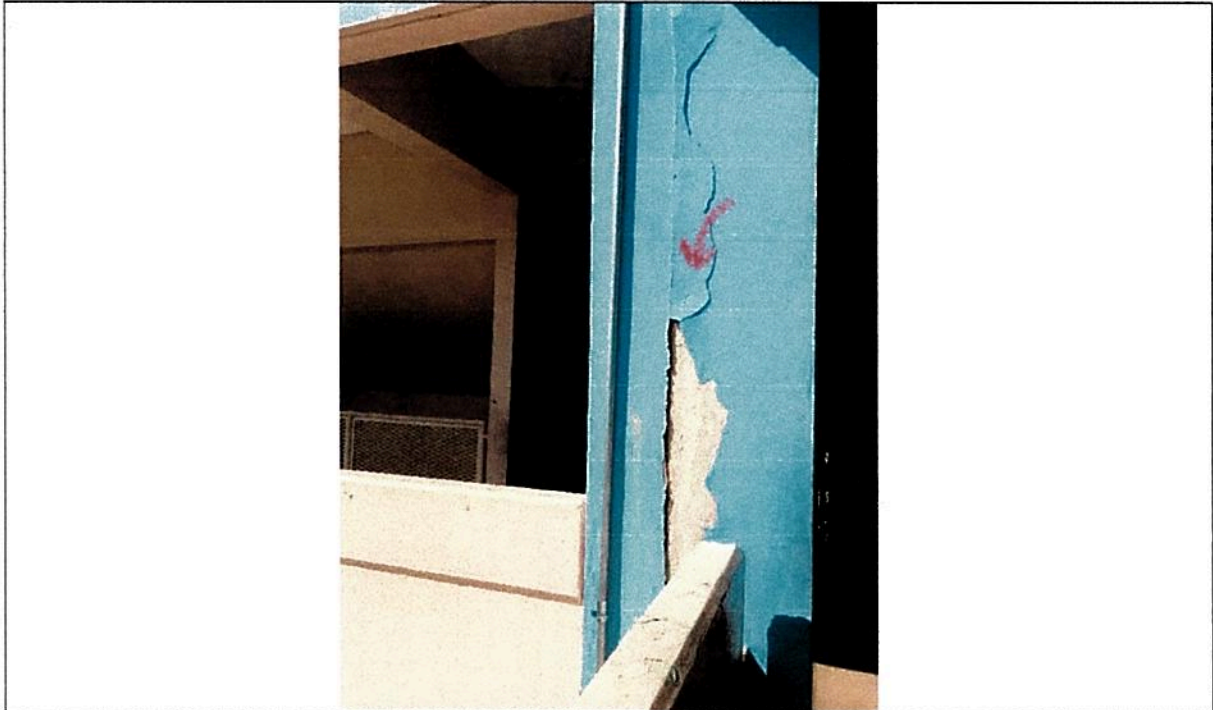
Picture 19 - Cracks (Horz.) between CMU walls and same CMU wall sections between each 2ble T Beam webs (many cases)



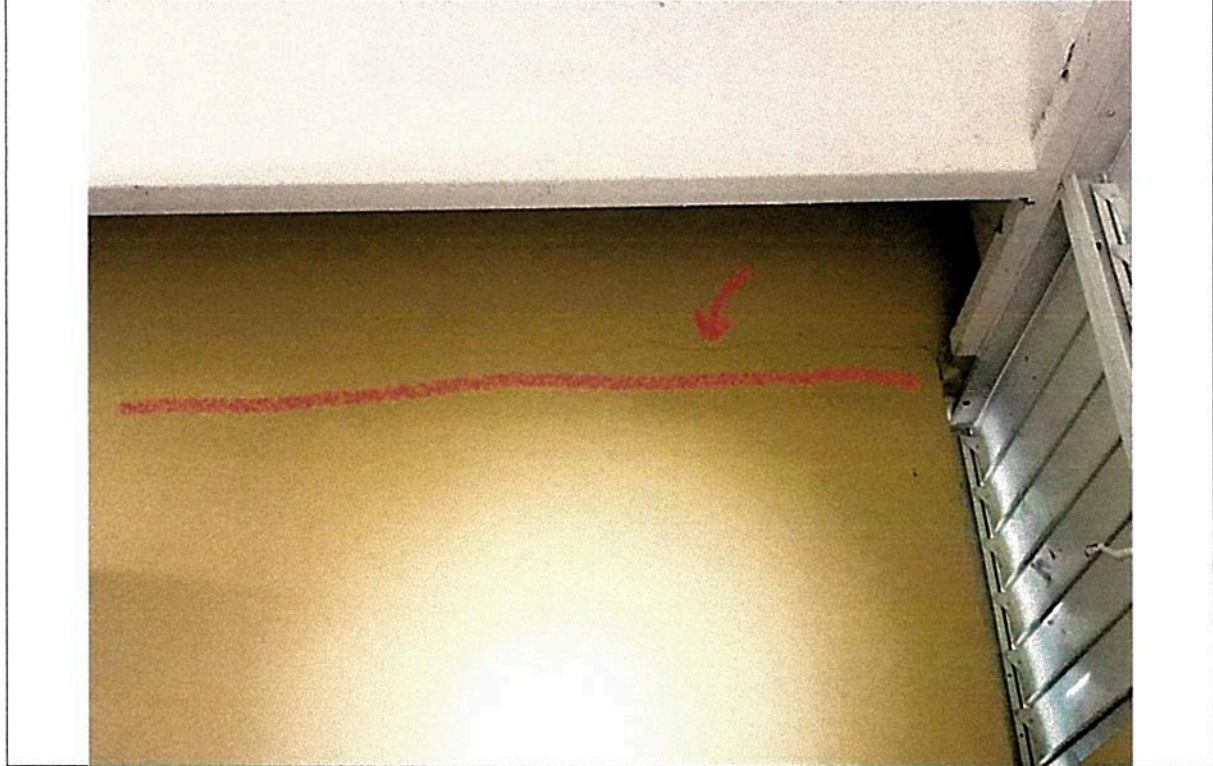
Picture 20 - Separations at building expansion joints causing cement plaster to break and fall.

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Picture 21 - Horizontal separations or cracks at CMU division walls joint with the slab or bottom of the 2ble T web (this image)



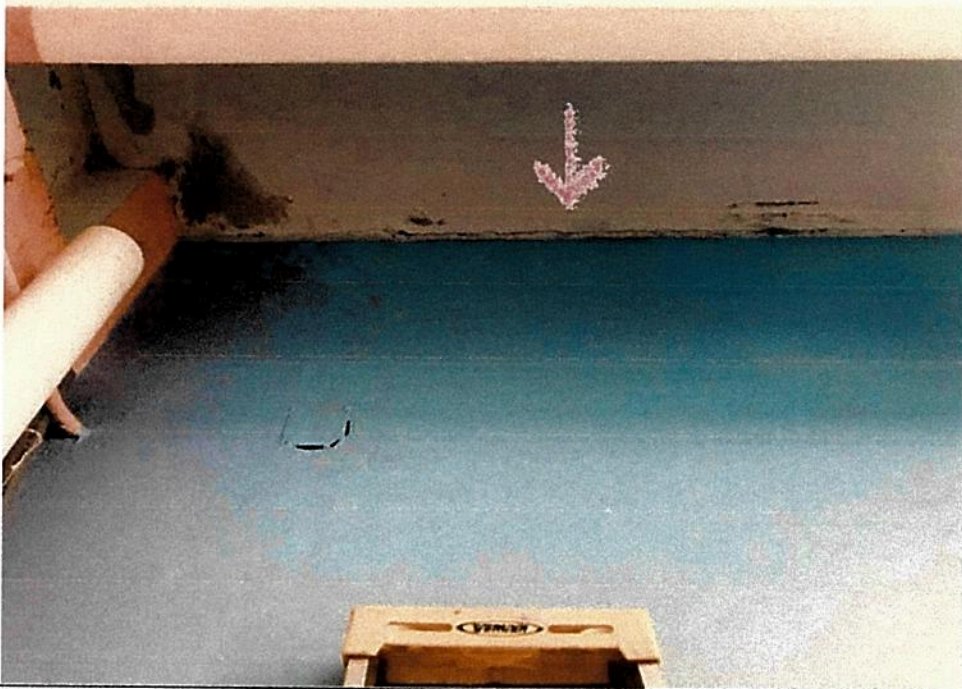
Picture 22 - Horizontal separations or cracks at CMU division walls joint with the slab or bottom of the 2ble T web (this image)

PICTURES

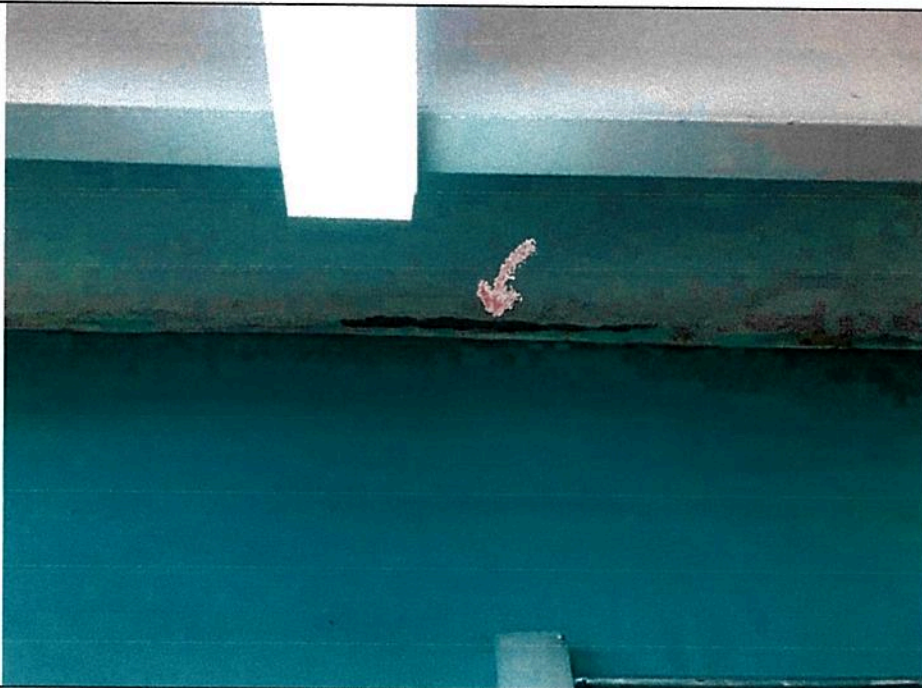
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Picture 23 - Horizontal separations or cracks at CMU division walls joint with the slab (this image) or bottom of the 2ble T web



Picture 24 - Horizontal separations or cracks at CMU division walls joint with the slab or bottom of the 2ble T web – This image shows case where delamination of the 2ble T Flange occurred.



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Monto Emitido: \$5
Número de Serie: 4037-0508-7365-6522
Número de Caso: 17
Proyecto / Unidad: Escuela El Conquistador
Rol del Profesional: Consultor

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