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Continuing Education Course #490
Florida's Mandatory Structural Inspections

1. Building Departments determine condos to be inspected every 25 years instead of which old distance?
 - a. one mile to the coast
 - b. two miles
 - c. three miles
 - d. four miles

2. What is the year of occupancy that requires inspection if the building is older?
 - a. 1990
 - b. 1992
 - c. 1995
 - d. 2000

3. Which issue is of concern to Florida structural inspection PE's?
 - a. continuing education
 - b. liability insurance
 - c. report preparation
 - d. interaction with Building Departments

4. Who sponsored training for PE bridge inspectors?
 - a. Federal Highway Administration
 - b. City and Town Public Works Departments
 - c. Expert Consulting Firms
 - d. States

5. A model 40-year inspection law is from which Florida county?
 - a. Broward
 - b. Lee
 - c. Orange
 - d. Santa Rosa in the Panhandle

6. Licensed Architects are allowed to perform mandatory condo structural inspections in Florida:
 - a. True
 - b. False

7. A high strength concrete compressive strength in the 1970s was?
 - a. 1000 psi
 - b. 2000 psi
 - c. 3000 psi
 - d. 4000 psi

8. In building design plans, what would be a structural drawing?

- a. A-1
- b. S-1
- c. AS-2
- d. None of the above

9. Which Senate Bill number outlines how local Building Departments should administer these condo inspections?

- a. 2-D
- b. 4-D
- c. 553.899
- d. 627.706

10. How much time does a Condo Association have to submit a report after the Building Department so requests?:

- a. 20 weeks
- b. One year
- c. 180 days
- d. No time limit is set

11. A steel column supports the majority of its compressive loads through the:

- a. connector bolts
- b. welded connections
- c. web
- d. flange

12. Substantial structural deterioration includes which of the following?

- a. misalignment
- b. sagging
- c. distortion
- d. None of the above

13. Non habitable areas that require Statute 553.899 condo inspection:

- a. common halls
- b. mechanical rooms
- c. garages beneath residential space
- d. all of the above

14. Which is not a primary structural member?

- a. load bearing walls
- b. structural steel columns
- c. windows and doors
- d. reinforced concrete floor slab

15. Substantial cracks in stucco must be reported:

- a. True
- b. False

16. If water stains are noted on truss or roof rafters, what action should be taken?

- a. Call for a phase two inspection
- b. Poke in a pen knife to determine wood rot
- c. check to see if stain is old and repair has been completed
- d. consult building plans

17. What percent of a roof being hip entitles the owner to an insurance premium reduction?
- a. 50
 - b. 80
 - c. 90
 - d. None of the above
18. Which condo buildings require Statute 553.899 condo inspection?
- a. 50 year old two-story structures
 - b. Public shopping centers.
 - c. new construction 5 story condos.
 - d. None of the above
19. About how many people lost their lives when the Champlain Towers South building in Surfside, FL collapsed?
- a. 100
 - b. 125
 - c. 150
 - d. None
20. A design change that occurred to the Surfside condominium that collapsed was:
- a. columns were left unstiffened
 - b. reinforced concrete beams were eliminated
 - c. hurricane category 3 windows were discouraged
 - d. slab thicknesses were reduced
21. Which item is a destructive test?
- a. Using the Zircon MetalliScanner MT6
 - b. Ground penetrating radar to find prestressed tendons
 - c. Obtaining concrete core samples
 - d. use of deflection instrumentation
22. In the rebar repair case study, what caused the rebar and tendon to be exposed?
- a. the walkway refinishing contractor ground out the cover concrete
 - b. excessive pedestrian foot traffic
 - c. inadequate drainage systems
 - d. fatigue from wind loads
23. Who may apply for a building permit application for a condo in Florida?
- a. A FL licensed PE
 - b. A FL licensed Architect
 - c. A FL licensed General Contractor
 - d. Structural Engineers
24. Condo Associations may limit PE scope of work to those required by Statute:
- a. True
 - b. False
25. A FL licensed civil engineer with only civil/structural experience should be estimating which reserves?
- a. All
 - b. Concrete and Steel repair
 - c. Electrical
 - d. Plumbing

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