

**From:** Axiom Structures [mailto:troy@axiomstructuresfl.com]

**Sent:** Thursday, July 28, 2022 5:42 PM

**To:** Madani, Mo

**Subject:** Re: Comments/Recommendations Regarding Section 553.899 Mandatory Structural Inspection for Condominium and Cooperative, Florida Statutes

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Mo,

Could I supplement my recommendation with the below commentary?

1. I understand that the suggestion for 20% of the slab/column area be checked may be too low in some cases. If the area rule is an objection, another option recommended for the committee would be that Inspectors could be required to "rely on a statistician to determine an appropriate random survey of the building that would offer 90% certainty of that the investigation captured the representation of the building." This is the common method used in local forensics cases that I have seen.

2. The slabs in question for the submitted suggestions are elevated slabs. Unless a slab-on-grade braces any columns for stability purposes, this language is intended to target elevated slabs.

3. Another objection from the committee may be that using infrared, or looking at voids and determining a comfortable amount of cracks, is too vague without a document to back up the procedure. As a solution to this objection, the committee could offer a criteria to quantify the voids or cracks, using some method of inspecting concrete through ACI 201, ASCE 11-99, or similar documents.

Best Regards,

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