

**From:** Andrew Schrader [mailto:andy@reconresponse.com]  
**Sent:** Thursday, September 16, 2021 1:19 PM  
**To:** Madani, Mo  
**Subject:** Fwd: FW: Appendix C Existing Building Safety Inspection Guide (Draft 2.1)

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Good Afternoon Mo,

My name is Andrew Schrader. I am a structural engineer and serve as the lead Structures Specialist for the State of Florida's Urban Search and Rescue (US&R) Task Force. I was deployed to the Champlain Towers (Surfside) collapse for four days, assisting in the rescue operations.

I wanted to say first that this looks like a great document. As a practicing engineer I think it would be absolutely amazing if we can require buildings to maintain a log of structural inspections and what has actually been done on a building. Too often I am performing a structural survey and the columns look fine, but then I tap one little piece of a column and a big chunk falls out. Turns out that the building has had years of substandard repairs performed on the columns, often a maintenance man chipping and patching without a permit. It's crazy.

My only question was on the inspection form regarding concrete rebar corrosion--Page 15 of the document, Figure 3. One of the options says the following:

3. Significant – but patching will suffice
4. Significant – structural repairs required

I find this confusing. In my opinion, if you are performing any work on reinforced concrete, patching or not, I would consider that a structural repair. So I am not sure I understand the difference between Option 3 and 4. If this is defined elsewhere in the document and I just missed it, then please accept my apology for not reading hard enough.

I think this document is a great and worthy undertaking. If there is anything I can do to assist further, please let me know.

Andy

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