


Plan Review of Fire Protection Systems

- Welcome
 - Intro's- Why the heck are we here!
Refresher, New to this, Inspector, Designer..
 - Course layout
 - How can we help each other




Plan Review of Fire Protection Systems 1

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How to approach a Plan Review

- Who are we representing when doing a review.
 - AHJ
 - Are you the final say?
 - 3rd party
 - Client
 - Legalities




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How to approach a Plan Review

- Know your Audience
 - Designers
 - Licensed?
 - AHJ
 - Builders-Contractors
 - HPS
 - Underground
 - Fitters
 - Inspectors
 - Lawyers!!!! Maybe even a newspaper if all goes sideways.



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Codes V Standards (IFC Commentary, Scope P1-2)

- Code requirements are intended to complement other regulations. Where conflicts arise between code provisions and the referenced standards, the code provisions apply.
- Where a standard provides additional technical detail or guidance beyond that provided in the related code text, the fire code official must use judgment when applying these provisions to prevent conflicts with the code provisions' a conflict arises, it is the fire code official's duty to determine which provisions secure the code's intent



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Whose Code are we using

The "Because I said So" code, is not a code.

Stand on Code

We always start with the IFC

- NFPA 13
- NFPA 13R
- NFPA 13D
- NFPA 14
- NFPA 20
- NFPA 24
- 15, 16, 17, 18, 22, 25, 68, 69,409, 2001,
- And much, much, more



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Plans and Information


- NFPA 13: 23.1.1* Working plans shall be submitted for approval to the authority having jurisdiction before any equipment is installed or remodeled.
- [A] 105.4.2. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations as determined by the fire code official.
- IFC 901.2 Construction documents. The fire code official shall have the authority to require construction documents and calculations for all fire protection systems and to require permits be issued for the installation, rehabilitation or modification of any fire protection system. Construction documents for fire protection systems shall be submitted for review and approval prior to system installation.



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Required Documents

- Plans- to scale!
- Calculation sheet
- Owners Certificate (sometimes)
- Water Supply
- Graph Sheet
- AMMR's (if applicable)
- Spec (cut) Sheets
- Seismic Calculations




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What About T.I's?????

- When do we to ask for calculations?
- Can it be field verified
- Number of spinks
- Location of TI-top of building?
- Flex Heads!!!!
- Known Unknowns, Unknown Knowns, Unknown Unknown's



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