Plan Review Case Studies

Presented by Joe Versteeg Versteeg Associates





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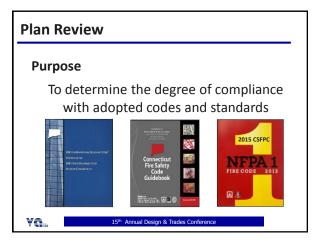
Plan Review

Definition

A systematic in-depth examination of the submitted plans and specifications.



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Benefits of Plan Review

Understanding of how the building operates

- Means of egress
- Building services
- Life safety features
- Construction features

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Benefits of Plan Review Understanding of how the building operates **The Company of the Conference | 15th Annual Design & Trades Conference | 15th Annual Desi

Benefits of Plan Review

- Find non-compliance
- Future inspections
- Sound basis for building alterations

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Effects of a Poor Review

- Cost over-runs
- Forced acceptance
- · Compliance takes time

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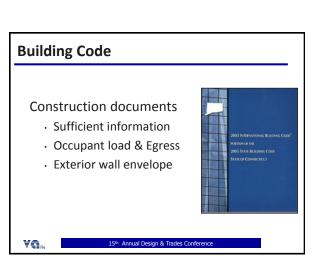
Effects of a Poor Review



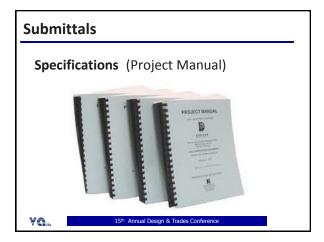
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Effects of a Poor Review The state of the Poor Review The state

Submittals 15th Annual Design & Trades Conference







Submittals

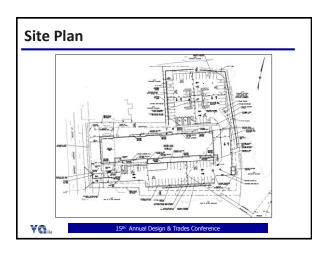
Site Plan Drawings (C)

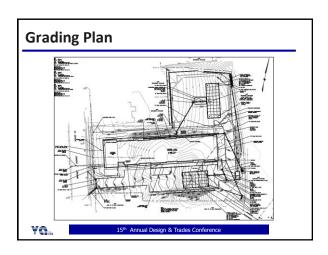
- · Hydrant locations
- · Utility connections
- Fire vehicle access
- · Exit discharge
- Building set-backs (exposures)
- · Landscape plans

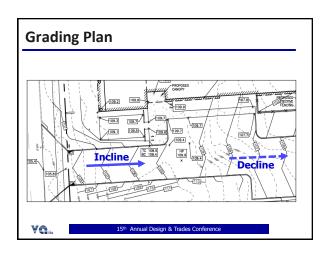
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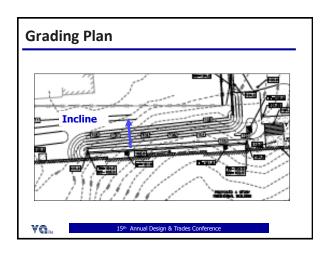




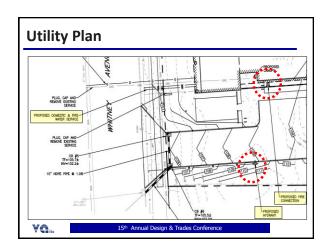




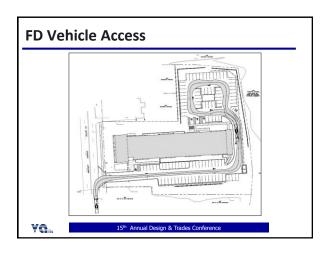


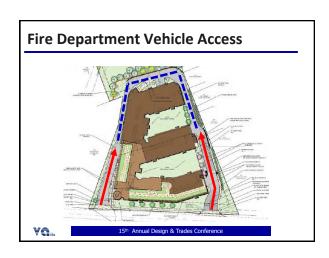






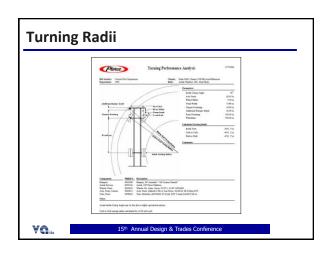




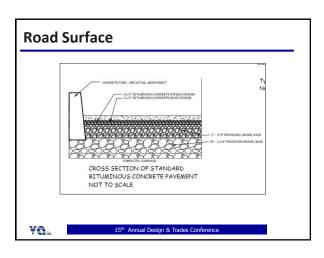




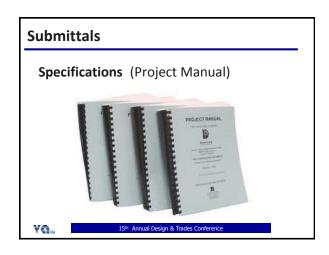












Submittals

Specifications (Project Manual)

Generally follows CSI Master Format

- 1995 format @ 16 Divisions
- 2004 format @ 41 Divisions

Part 1 General

Part 2 Products

Part 3 Execution

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2.15 DUCTWORK ACCESSORIES

- D. Fire Dampers
 - 1. Fabricate low resistance fusible link fire dampers in accordance with **NFPA-90A** and UL approved procedures.
 - Fire damper shall meet all UL and NFPA requirements for primary fire dampers, and shall be approved for use where ducts penetrate partitions with resistance ratings of two hours or less, per UL Standard 555.

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SECTION 16720 - FIRE ALARM SYSTEM

1.4 REFERENCES

A. National Fire Protection Association (NFPA) - USA:

No. 70-2011 National Electric Code (NEC)

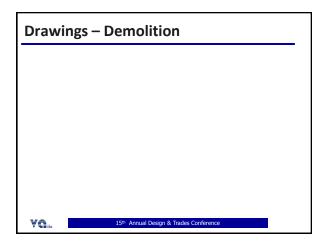
No. 72-1999 National Fire Alarm Code

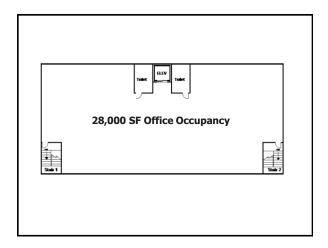
No. 90A-1999 Air Conditioning Systems

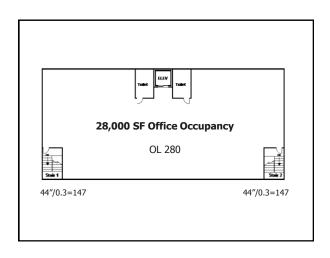
No. 101-2000 Life Safety Code

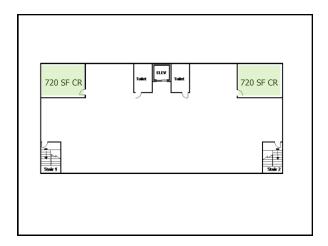
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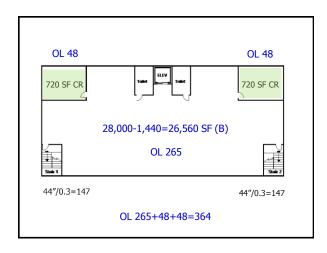












Drawings – Code Summary



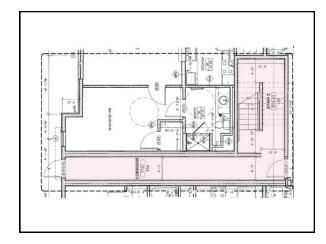


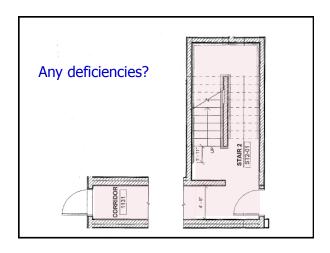


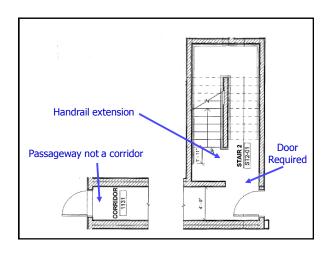


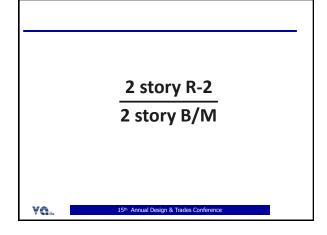


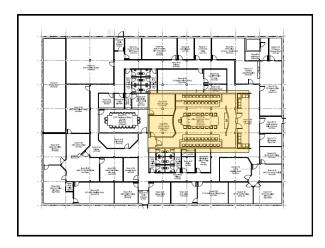


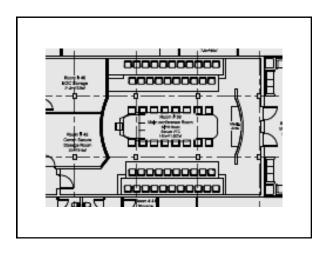




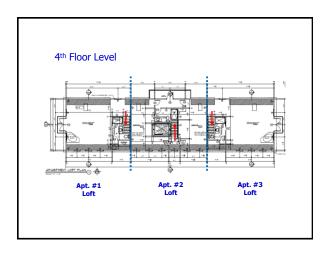


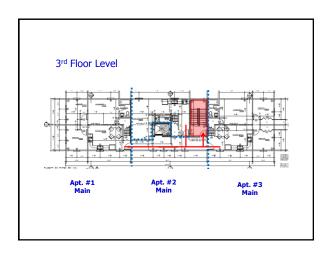


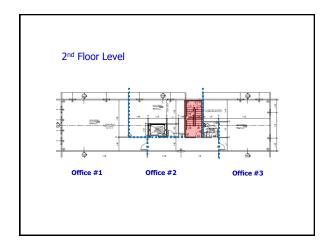


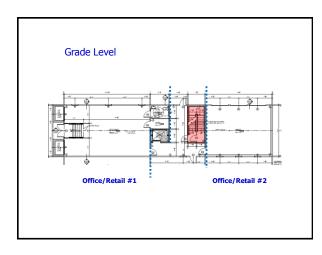


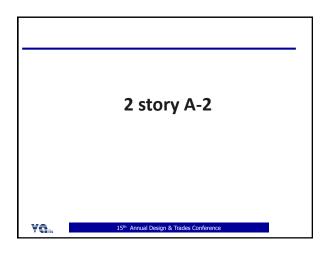


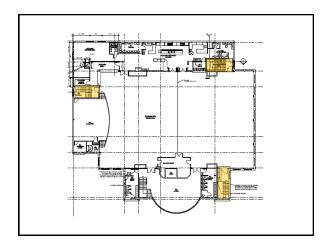


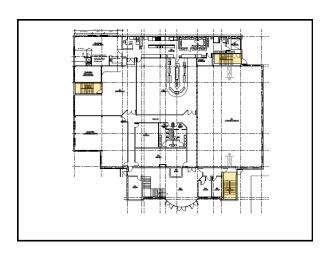


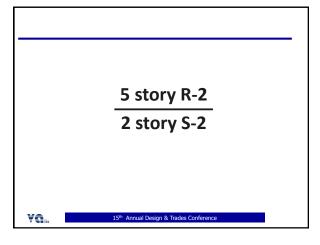




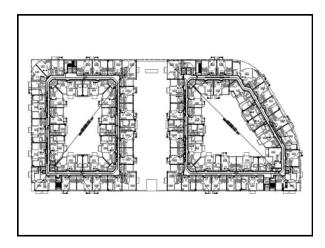




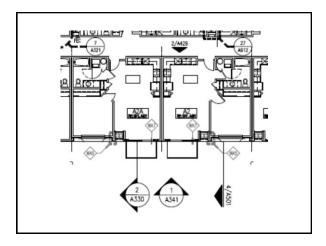


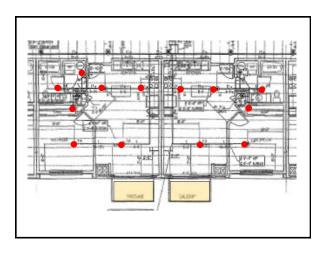


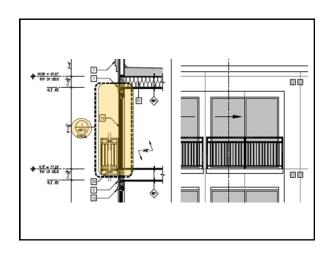


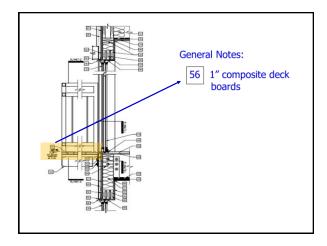




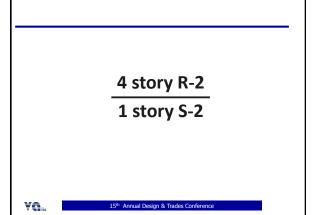








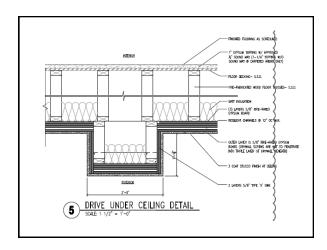


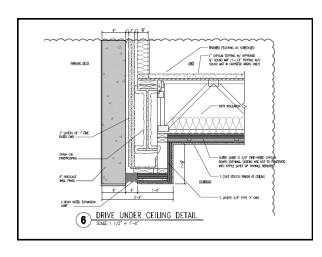


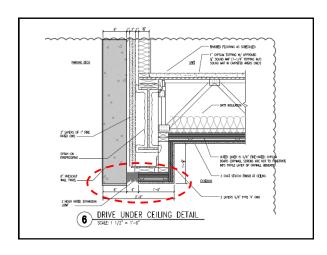






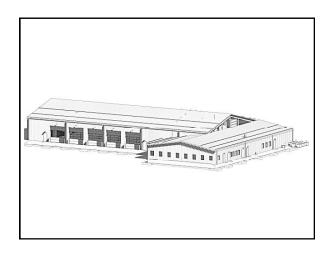


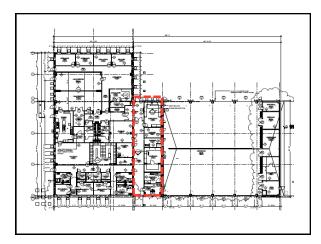


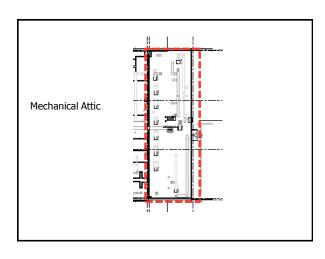


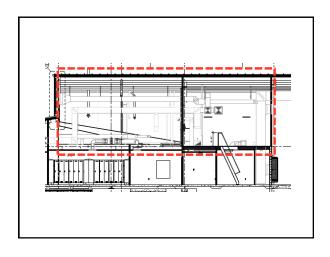


1 story S-2/R-2/B/A-3 Firehouse



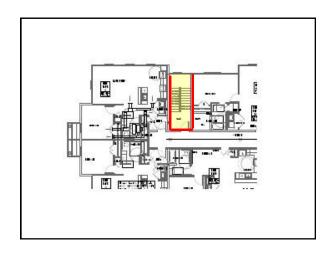


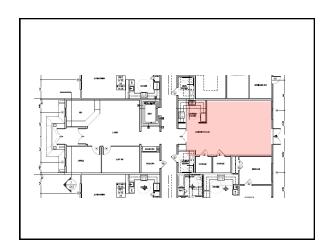




2 story R-2 1 story M/B









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