

DESIGN COORDINATION

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- Engineering NZ, NZIA, SFPE Joint Statement
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WHY IS DESIGN COORDINATION IMPORTANT?

- The problem has been around for a long time
- The cost of correcting a mistake increases by a factor of 10 at each design stage
- Increased safety
- Demonstrate leadership
- Job satisfaction
- More exciting designs





www.sfpe.org.nz

Engineering NZ - SFPE - NZIA



- When architects and engineers work well together, design projects are more efficient, compliant and successful. This applies whether the design project is modest or is extremely complex.
- The New Zealand Institute of Architects (NZIA) and Engineering New Zealand are committed to making sure engineers and architects collaborate and coordinate well. The two professional bodies are developing a programme of joint education for their members, to help design professionals see the benefits of co-ordination and give them the tools they need to implement co-ordinated design processes.
- Together, architects and engineers can make a difference to the quality of New Zealand's built environment.

DESIGN COORDINATION GUIDE





COMMUNICATE

Pick up the phone, go to a meeting, skype, talk to each other

COLLABORATE

No single person or organisation has all the answers

Useful links

Guidelines: Improving Collaboration between Architects and Engineers (2014)

[https://www.engineeringnz.org/
documents/111/
Improving_Collaboration_Between
Architects_and_Engineers.pdf](https://www.engineeringnz.org/documents/111/Improving_Collaboration_Between_Architects_and_Engineers.pdf)

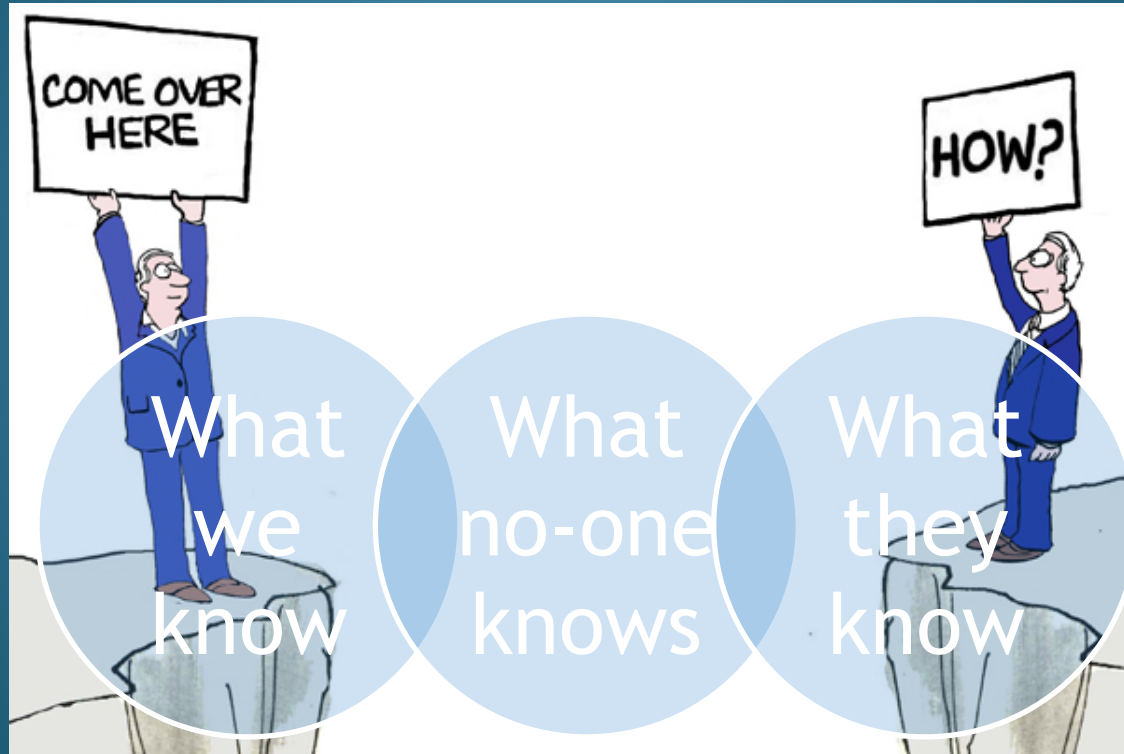
Design Coordination

[https://
www.designingbuildings.co.uk/
wiki/Design_coordination](https://www.designingbuildings.co.uk/wiki/Design_coordination)

The fine print

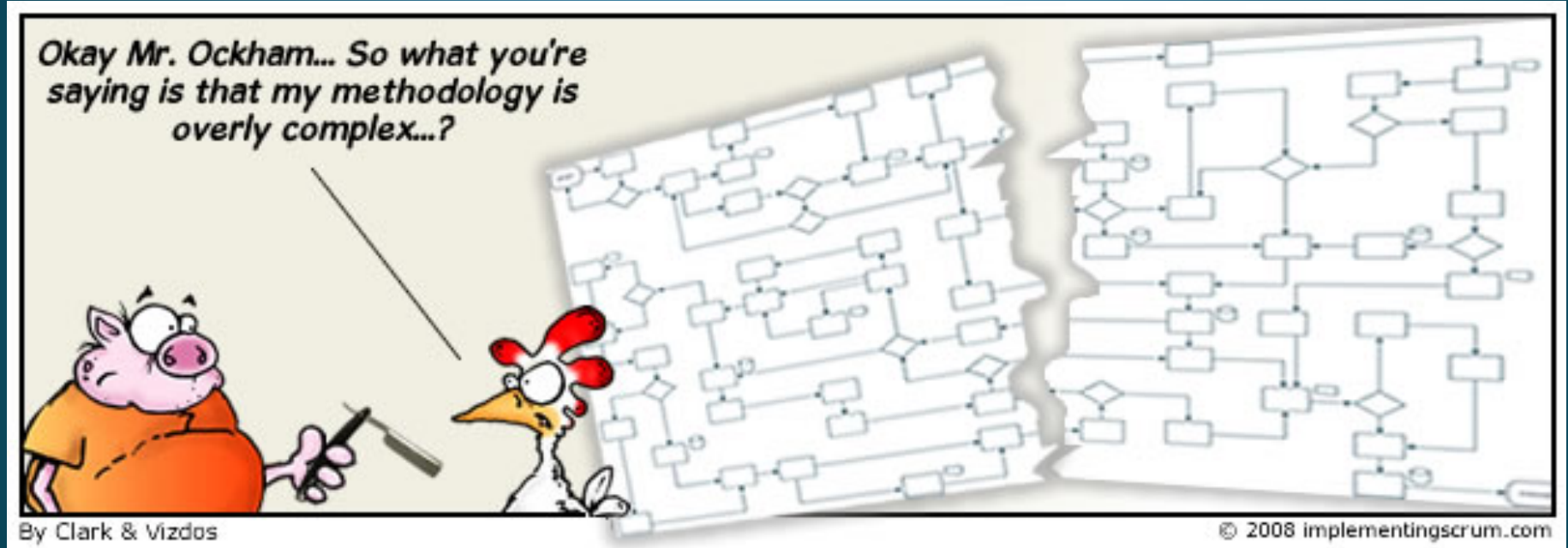
This guide is fictional. Engineering NZ, SFPE and NZIA
have not participated in its production

OBSTACLES to DESIGN COORDINATION



The knowledge gap

OBSTACLES to DESIGN COORDINATION



The communication gap

OBSTACLES to DESIGN COORDINATION

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"I'm inviting you to my seminar on Improving Your Communication Skills. If you'd like to attend, grunt once for yes or twice for no."

Communication skills

OBSTACLES to DESIGN COORDINATION



Who going to pay for the extra work?

OBSTACLES to DESIGN COORDINATION

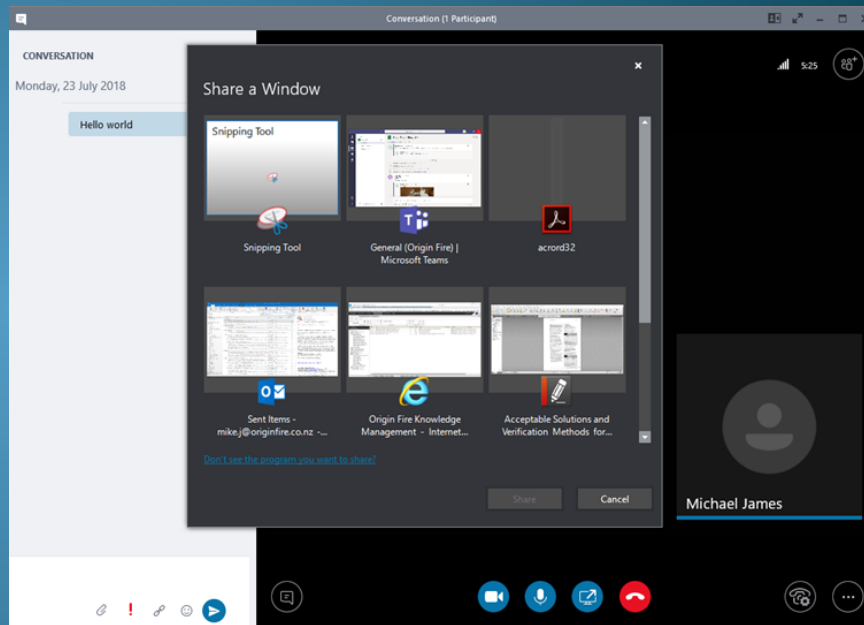


Who pays if it is wrong?

SMART IDEAS for SUCCESS



Have Meetings



Online Meetings

SMART IDEAS for SUCCESS



Augmented reality

SMART IDEAS for SUCCESS

Code of Ethical Conduct

Online module



\$50.00

1 CPD hour

Commercial-Industrial solar heat

Recorded webinar



\$50.00

1 CPD hour

Communicating for success

Recorded webinar



\$50.00

1 CPD hour

Communication stakeholder relationship management

Recorded webinar

Conflict Resolution: Dealing with Difficult People

Recorded webinar

Contract law for non-lawyers

Recorded webinar

Recorded Webinar Education

SMART IDEAS for SUCCESS



The right information at the right time

SMART IDEAS for SUCCESS

Good, Clean Design



Bad, Cluttered Design



KISS - Keep it simple stupid

SMART IDEAS for SUCCESS

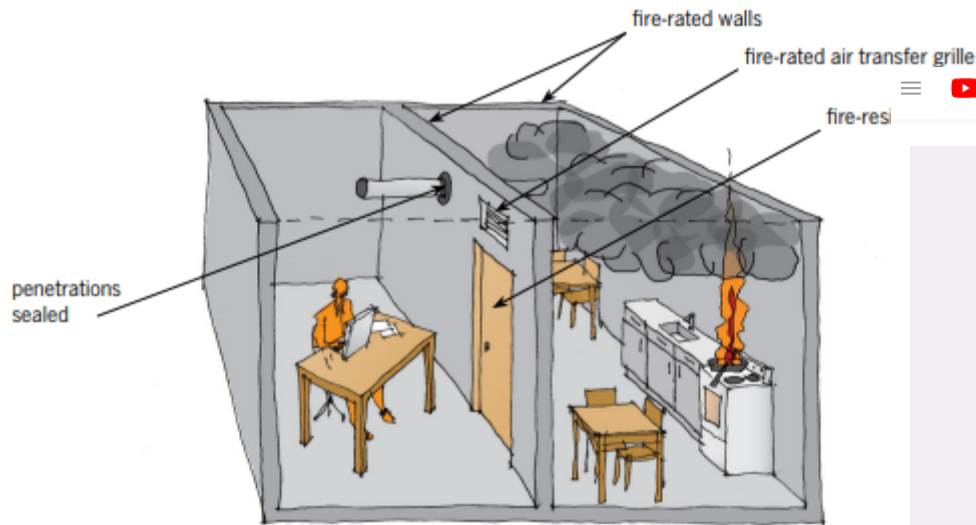
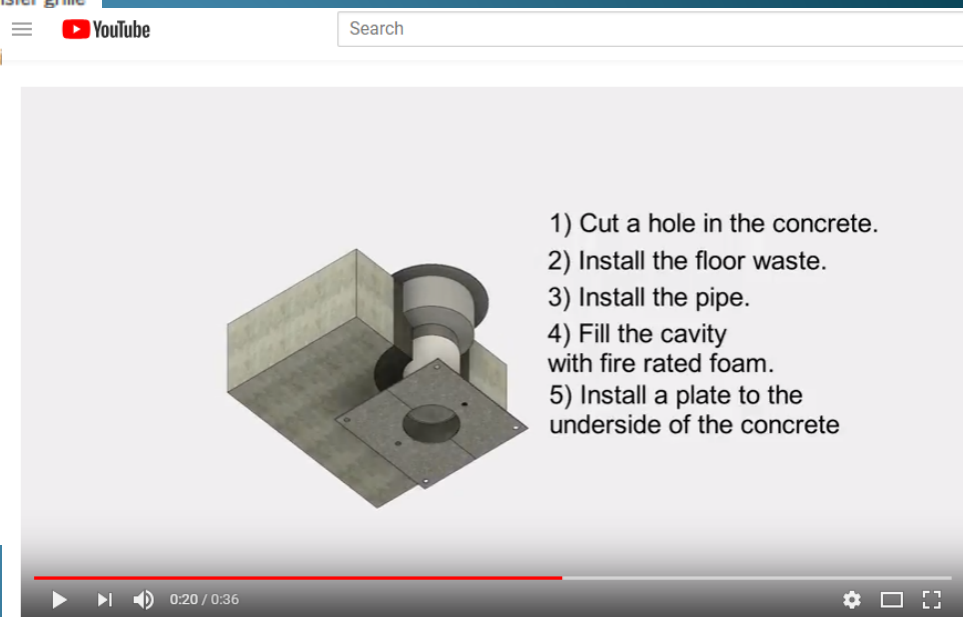


Figure 2. Fire spread control using passive fire protection



9 Generic Passive Fire installation - Shower Waste Concrete Floor

More pictures less words

CONCLUSION

- Design Coordination is important
- When architects and engineers work well together, design projects are more efficient, compliant and successful
- Communication and Collaboration the key to success
- Work smarter not harder



www.sfpe.org.nz

Design Coordination

Society of Fire Protection Engineers (SFPE, NZ Chapter)

THANK YOU!