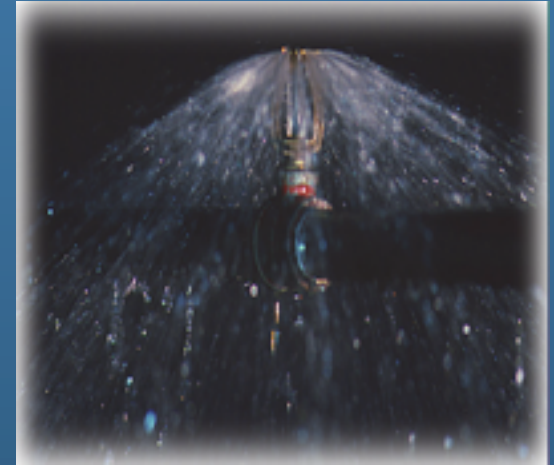


Fire Protection



Kohler Ronan, LLC

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Learning Objectives

After completion of this course, participants will be able to:

- 1. Determine when to provide sprinklers and/or standpipes for a project.**
- 2. Identify different types of sprinkler systems and their various components.**
- 3. Perform basic calculations required for sprinkler design.**

Overview

- 1. Codes & Standards**
- 2. Types of Sprinkler Systems**
- 3. Types of Sprinklers**
- 4. Other Fire Protection Equipment**
- 5. Types of Standpipe Systems**
- 6. Gaseous Systems**
- 7. Water Supply**
- 8. Fire Pumps**
- 9. Other Architectural Concerns**

Actual Case Study

February 21, 2009

Wilton, CT



0754 **911 calls begin**

0800 **Engine 1, Truck 5, Engine 2 Dispatched /
Responding**

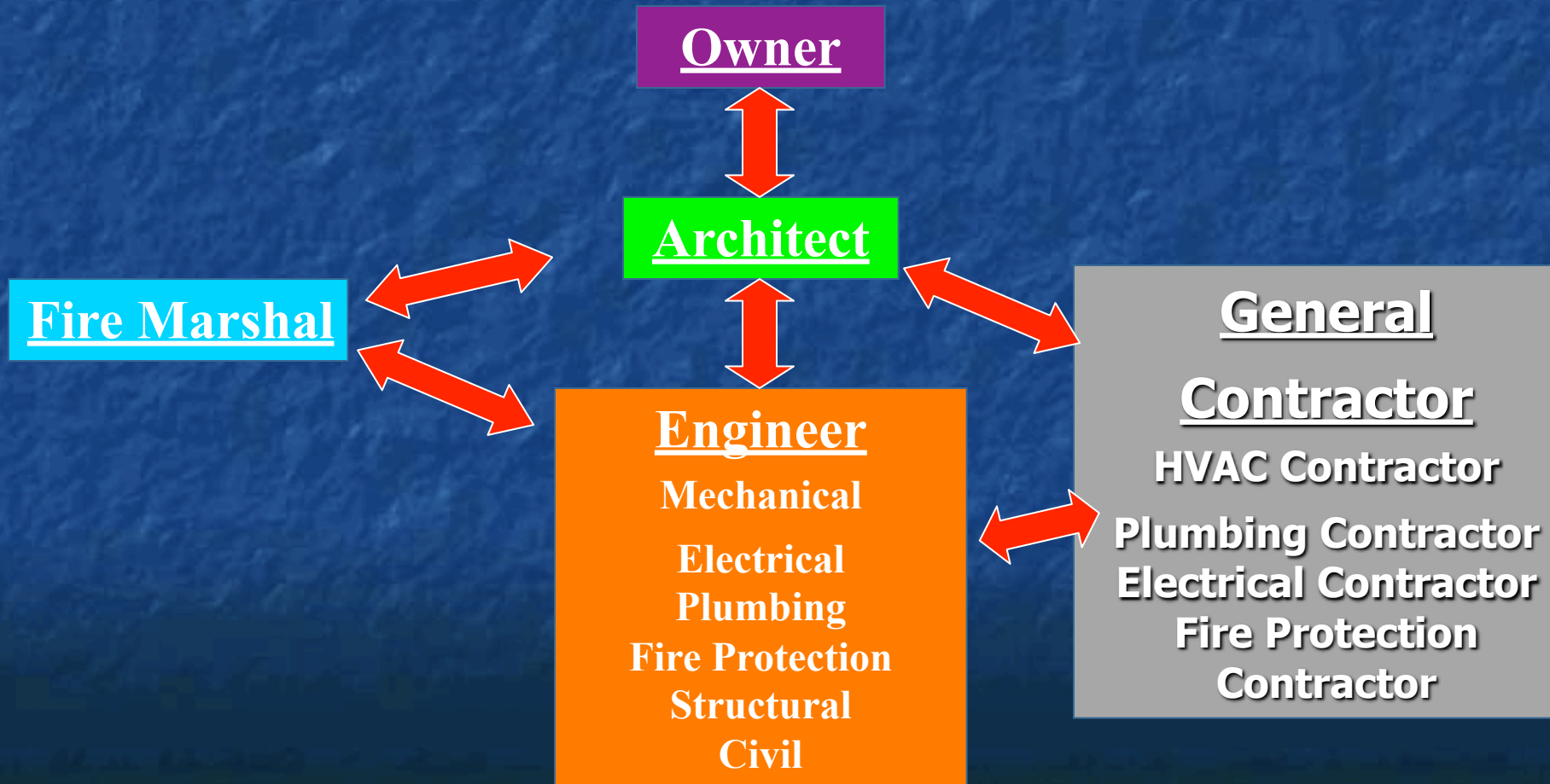


0811

1st victim found

Actual time Stamp	Action	Time from initial call	
075438	911 calls		
080003	Dispatched FD		
080258	E1 on scene	+/-8minutes	Time from having been on scene
080349	line stretched more pressure	+/- 9 minutes	+/- 1 minute
080822	E2 on Scene & hydrant water	+/- 14 minutes	+/- 5 minutes
081149	1 st victim found	+/-17 minutes	+/- 8 minutes
081831	victim out	+/- 24 minutes	+/- 15 minutes

Project Organizational Chart



Codes & Standards

What Codes?

IBC with CT supplement

CT State Fire Code

**NFPA: 101, 13, 20, 24, 25,
409, etc.**