

Rapid Intervention Teams
Firefighter Survival and Rescue



Session 5





Suffolk County Fire Academy

1

Rapid Intervention Teams
Firefighter Survival and Rescue

Session 5

- **Firefighter Rescue Tactics – Below Grade**





Suffolk County Fire Academy

2

Session Objectives

- **Upon Completion of This Session, Students Will Understand:**
 - The proper techniques for packaging a downed firefighter for removal
 - Procedures and tactics for moving a downed firefighter from areas below grade
- **Students will demonstrate downed firefighter packaging and removal from below grade locations.**



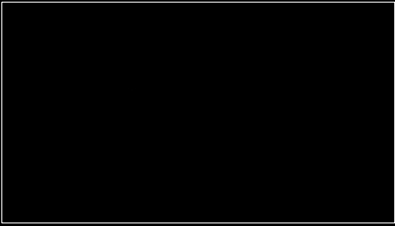
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***Firefighter Rescue
Tactics - Below
Grade***



4

**Removal Through
Hole In Floor**




5

**Removal Through
Hole In Floor**

- **Size Of Hole**
- **Stability Around Hole**
- **Secondary Collapse**
- **Fire Conditions**
- **Need For A Hose Line**
 - Passed to firefighter in hole
 - Operated into hole
- **Gaining Access**
 - Through hole
 - Another entrance to lower level.



6

Removal Through Hole In Floor

Technique For Reinforcing The Area Around Hole.




7


Removal Through Hole In Floor (Rescue Rope)

- Rescue Rope Split To Create 4, Separate Legs
- No Special Equipment Required
- Area Around Hole Must Be Stable.



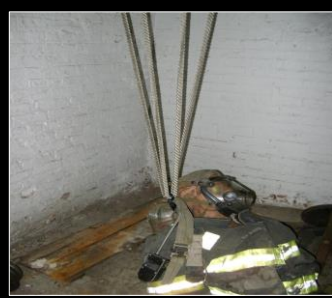

8

Removal Through Hole In Floor (Rescue Rope)



9

Removal Through Hole In Floor (Rescue Rope)



10

Removal Through Hole In Floor (Rescue Rope)



11

Removal Through Hole In Floor (Hose)

- Hose Lines Readily Available
- Position Hose Under Firefighter's Arms
- Should Not Be Taken From Fire Fight
- Pull Hose Out Of Hole.
- Position Nozzle At Top Of Hole
- Push Loop Into Hole
- Slide Hose Into Hole



12

Removal Through Hole In Floor (Hose)



13

Removal Through Hole In Floor (Hose)



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Removal Through Hole In Floor (Hose)



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Removal Through Hole In Floor (Hose)



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Removal Through Hole In Floor (Hose)



17

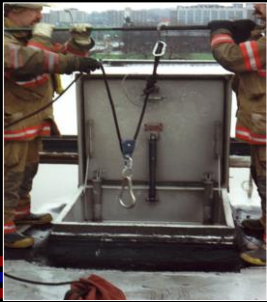
Below Grade Removal Tactics (2:1 M/A)

- **Select Anchor For Rope**
- **Firefighter Must Access Downed Member**
- **Attach Rope To Downed Firefighter Converted SCBA**
- **Haul Downed Member From Below Grade Area.**



18

Below Grade Removal Tactics (2:1 M/A - Steel Hook)



19

Below Grade Removal Tactics (Scissor Ladder)



20

Below Grade Removal Tactics (2:1 M/A)

- Members Start By Kneeling
- Once Downed Firefighter Approaches Opening, Members Stand To Remove.



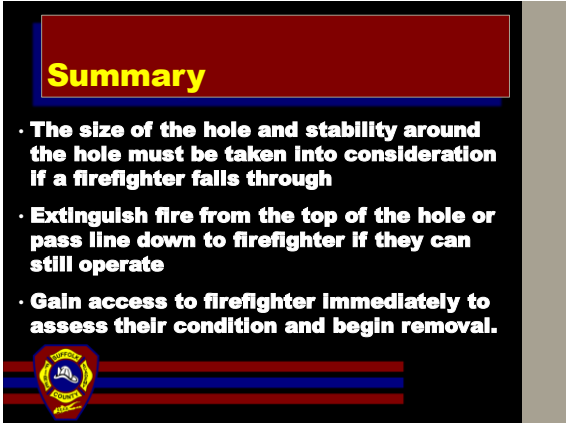
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Summary




22

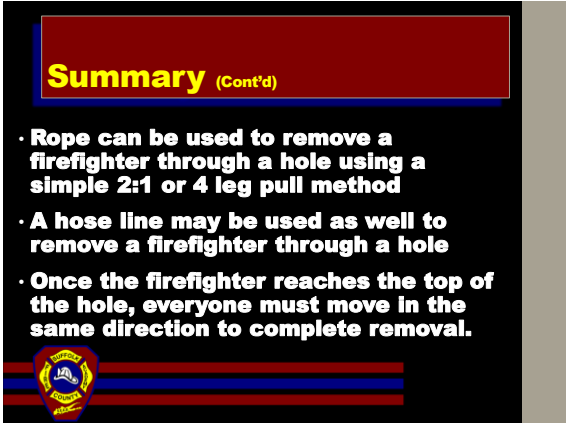


Summary

- The size of the hole and stability around the hole must be taken into consideration if a firefighter falls through
- Extinguish fire from the top of the hole or pass line down to firefighter if they can still operate
- Gain access to firefighter immediately to assess their condition and begin removal.




23




Summary (Cont'd)

- Rope can be used to remove a firefighter through a hole using a simple 2:1 or 4 leg pull method
- A hose line may be used as well to remove a firefighter through a hole
- Once the firefighter reaches the top of the hole, everyone must move in the same direction to complete removal.



24

Questions?



25

Firefighter Rescue Tactics Below Grade



- **Downed Firefighter Removal From Hole In Floor**
- **Downed Firefighter Removal Through Basement Access**




26

Firefighter Rescue Tactics Below Grade

- **Grab All Your PPE Including SCBA**
- **Meet Instructors By The "Beach House."**

27
