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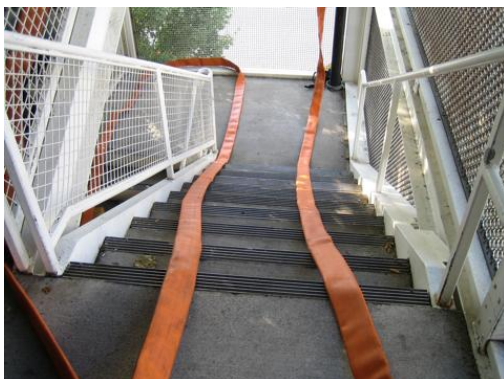
TOPIC #35 – ALTERNATIVE STANDPIPE OPERATIONS

There are several alternative standpipe operations that need to be addressed or considered as options in the event standard fire fighting efforts don't work to control a fire or the fire is well advanced and on upper floors out the reach of standard fire fighting efforts.

Master Streams


Either the Stinger or Apollo can be taken to the fire floor in a building where a fire is well advanced or near full involvement and the attack from standard 2-1/2" fire lines is unable to control the fire or fire fighters are unable to man fire lines in the fire environment due to the amount of fire present.

- The master stream device can be supplied from
 - A 5" supply laid in the stairs and supplied from the outside of the building (Section 3, Topic 30)
 - Supplied from the standpipe riser with 2-1/2" hose from 2 different outlets on 2 different floors.
 - To accomplish this you will need a 3-way stortz wye and duplexes or a 2-1/2" to Stortz wye.
 - Due to the extreme fire conditions you will be unable to secure the device on the fire floor. You can place a long bar across the door opening and the backpressure will hold the master stream device in place.
 - See images below



**With The Right Adapters –
You Can Make It Work**



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5" Supply up Stairs

- See Section 3, Topic 30

Supply from 1st Floor Riser

- The 1st floor (or other lower floor) standpipe valve can be used to pump into the system as indicated below:
 - In the event the FDC is damaged, blocked, clogged or otherwise inoperable
 - To provide additional water into the system
 - Only possible if there are not PRV or PRD devices on the standpipe discharges on the lower floors. PRD's can be removed or overcome; however a PRV will make this operation impossible.
 - OPEN THE VALVE FULLY
 - Place a female duplex on the discharge to facilitate the male threads from the supply 2-1/2" line
 - Ideally, use a 2-way wye to allow for the use of (2) fire lines to supply or supplement the system.
 - See image to the right




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Locking FDC and Standpipe Caps

- FDC locks are placed on many buildings throughout the city. They are a product of the KNOX company and every company should be equipped with a special tool to unlock these caps.
- Knox also makes caps for standpipe valves that lock and operate with the same key as the FDC lock
- It is recommended that every engine company carry a KNOX FDC key in their standpipe bag and on the apparatus where the FAO knows its location

FDC Locks



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Ascending Stairs & Carrying Equipment

- If you have to ascend multiple flights of stairs it is recommended that you open your fire coat and remove your hood and helmet. This will allow you to stay cooler and release heat during the ascent.
- In extreme situations where you have to walk 30 to 40 floors with equipment, you can remove your coat and place it on your bottle under the 2-1/2" hose until you reach 2 floors below the fire floor.

Ascending Stairs



- See images below for clarification