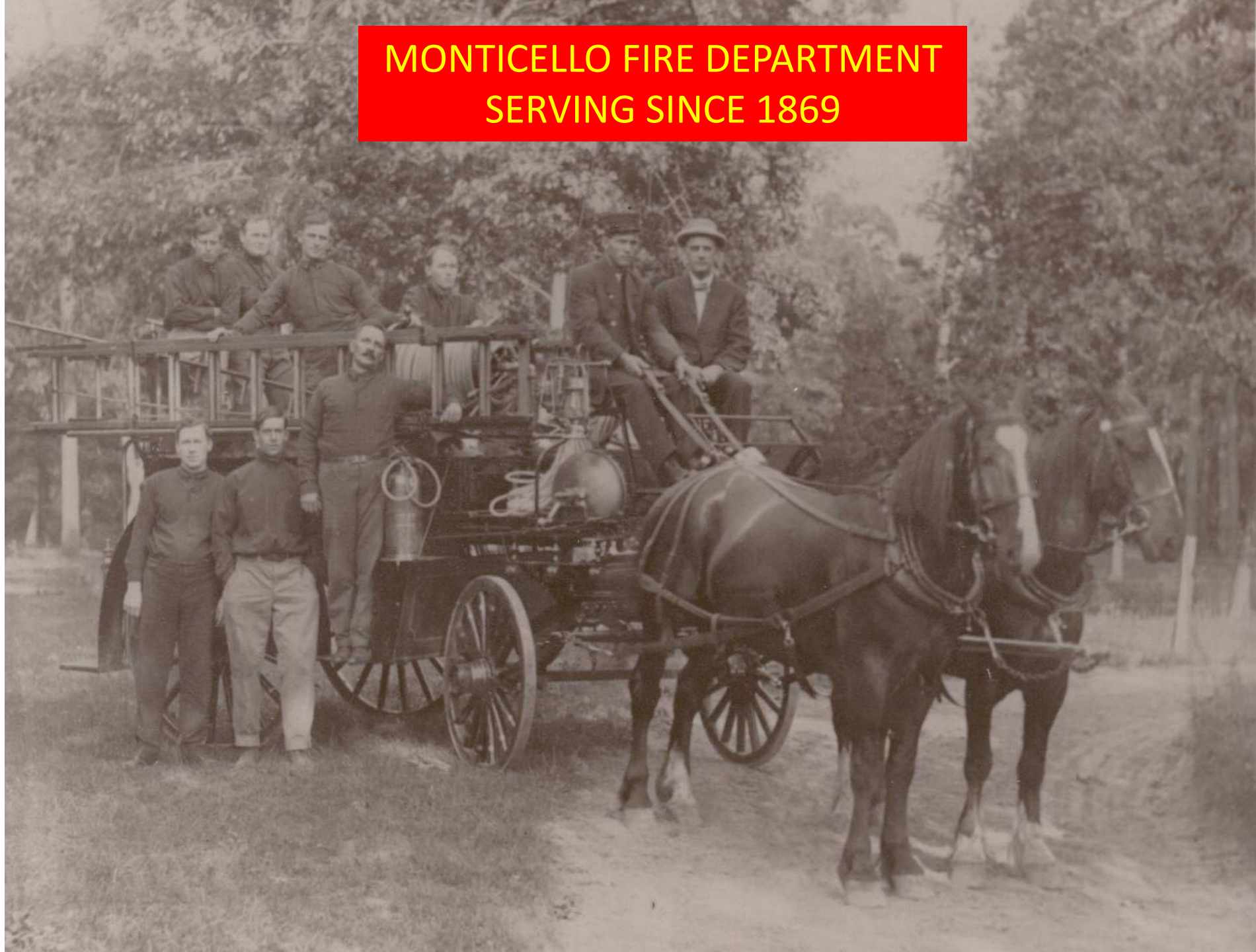


**MONTICELLO FIRE DEPARTMENT
SERVING SINCE 1869**

**EMERGENCY
RESPONSE**

**HOW YOU
CAN HELP**



Robert W. Hickman

Safety Director

City of Monticello

225 N Main St
Monticello IN 47960
575-870-4622
safety@monticelloin.gov





MONTICELLO FIRE
DEPARTMENT
1979 - 2021





MY EDUCATION

- Certified Law Enforcement officer
- ILEA Instructor
- Indiana Law Enforcement Academy
 - Academic Achievement Award
 - Top Gun Award
- Crime Scene Tech
- Crime Scene Photography
- Kinesic Interview
- Active Shooter Response
- Master Firefighter
- Licensed Paramedic
- Fire Instructor III
- Emergency Response Certified SCUBA Diver
- Ivy Tech
- Home Hospital School of Para-Medicine
 - Valedictorian
- National Fire Academy
- Indiana River Rescue

Certified Corporate Safety Manager



AMERICAN SOCIETY OF
SAFETY PROFESSIONALS



Professional Board Certified

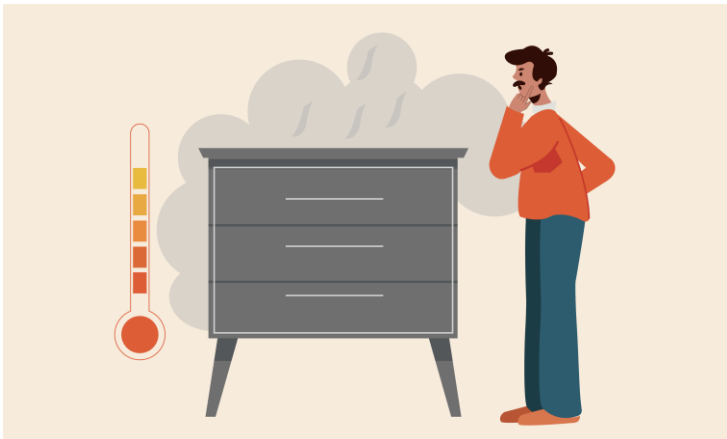
Department Health & Safety Officer

Incident Safety Officer

BEFORE WE START

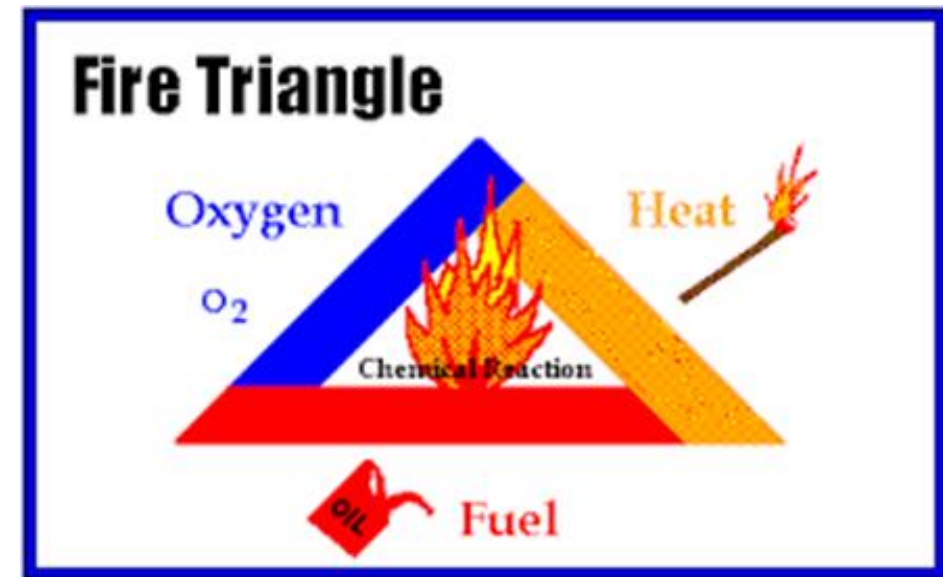
WHAT BURNS?

- SOLIDS DON'T BURN
- LIQUIDS DON'T BURN
- ONLY VAPORS BURN
- MORE HEAT = MORE VAPORS



THE FIRE TRIANGLE

- TAKE ANY PART AWAY & THE FIRE GOES OUT



FIRE EXTINGUISHERS



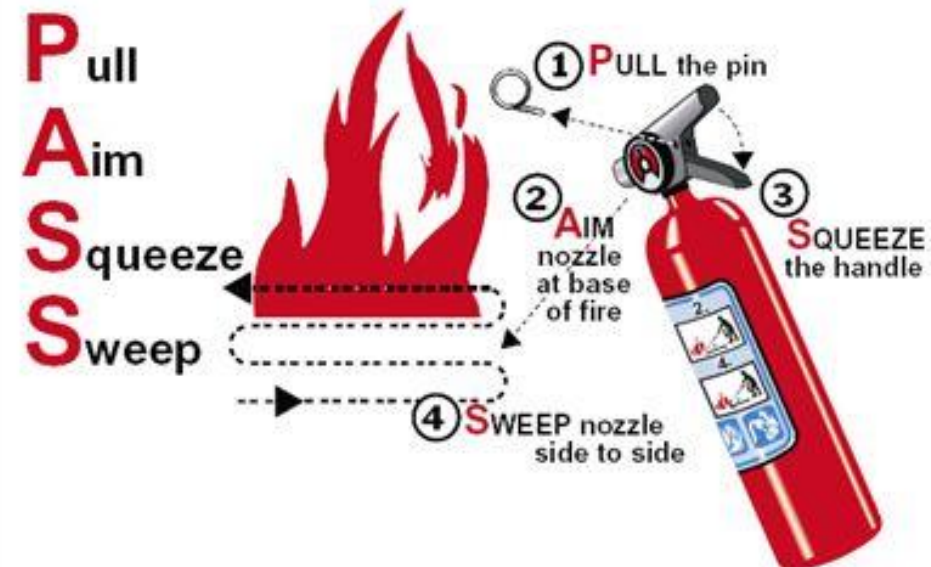
FIRE EXTINGUISHER OPERATION

- REMEMBER TO PASS

- P - PULL THE PIN,
 - Hold upright
- A - AIM AT BASE OF FLAME
 - About 10 feet back
- S - SQUEEZE LEVER
- S - SWEEP SIDE TO SIDE



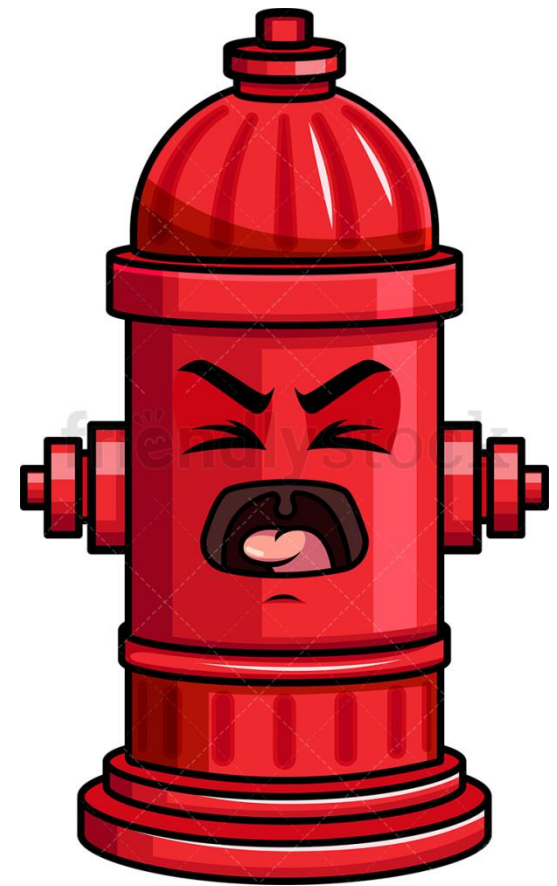
To operate an extinguisher: (Check your own extinguisher's label for detailed instructions.)





WHAT TO DO?

- PULL THE ALARM
 - Main factor in large \$\$ loss – Delay in alarm
- Call *911*
 - Are you sure the alarm was transmitted to FD
- DECIDE TO FIGHT OR TAKE FLIGHT



TAKE FLIGHT



- EVERYONE_EVACUATE IMMEDIATELY
 - Management & maintenance never think this applies to them



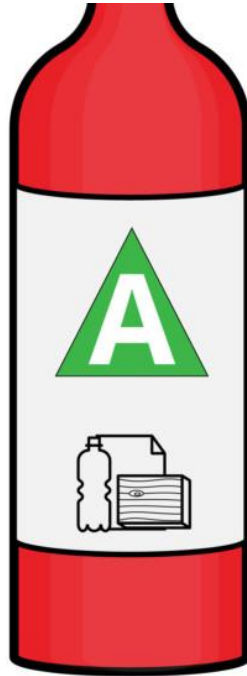
TO FIGHT

- DETERMINE THE TYPE OF FIRE
- PICK THE RIGHT EXTINGUISHER



- **ALWAYS LEAVE A WAY OUT**

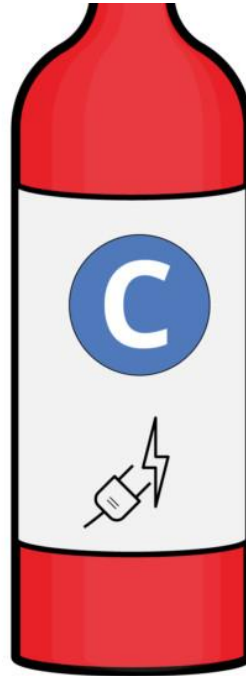
TYPES OF FIRE



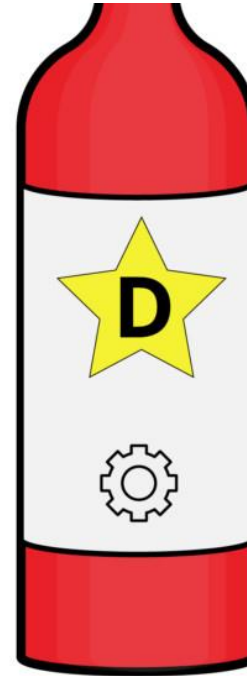
- cloth
- wood
- rubber
- paper
- plastics



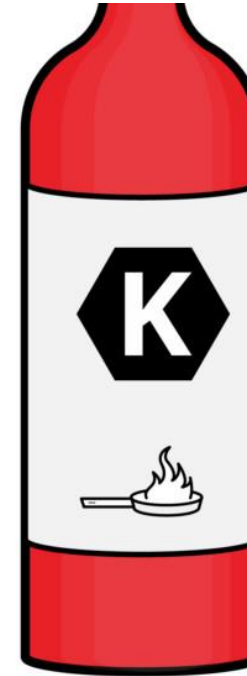
- gasoline
- grease
- oil



electrical
fires



combustible
metals



kitchen
fires

CLASS A FIRES



- ORDINARY COMBUSTIBLE MATERIAL LIKE WOOD, PAPER, CLOTH, CARDBOARD
- BEST EXTINGUISHING AGENT IS USUALLY WATER
- MAKE SURE EXTINGUISHER IS RATED “CLASS A”



CLASS B FIRES



- FLAMMABLE OR COMBUSTIBLE LIQUIDS
- FLAMMABLE - FLASH POINT <100
- COMBUSTIBLE - FLASHPOINT >100
- FLAMMABLE MORE LIKELY TO IGNITE OR RE-IGNITE
- MAKE SURE EXTINGUISHER IS RATED “CLASS B”



MORE ON CLASS B

- NEVER USE WATER UNLESS MIXED WITH FOAM
 - PFAS Foam in stock?
- BE AWARE THE EXTINGUISHER SPRAY MAY SPREAD FIRE, EVEN IF IT IS THE RIGHT TYPE
- BE READY FOR RE-IGNITION



Water & flammable liquids don't mix





BREAKING NEWS

**HEAVY BLACK SMOKE CAUSING CONCERNS ABOUT
AIR QUALITY IN WAXAHACHIE AREA**

1:32 82°

S3

WFAA

CLASS C FIRES



- ENERGIZED ELECTRICAL EQUIPMENT
- DE-ENERGIZE IF POSSIBLE
- MAKE SURE EXTINGUISHER IS RATED “CLASS C”



CLASS D FIRES



- COMBUSTIBLE METALS LIKE SODIUM OR MAGNESIUM
 - Scrap ferrous metal dumpster fires are not class D
- NEVER USE WATER
- MAKE SURE EXTINGUISHER IS RATED “CLASS D”



CLASS K FIRES

K



- COOKING OILS
 - Class K for the ketones in fats
- Class B extinguishers will work
- K extinguishers interact with the fats to make a foam layer



SPEND A LITTLE ... SAVE A LOT

Deionized water / safe to use on electrical fires, leaves no residue

> \$200



AC water misting extinguisher

Monoammonium Phosphate – very corrosive to metals and electrical components

< \$100



ABC dry chemical extinguisher

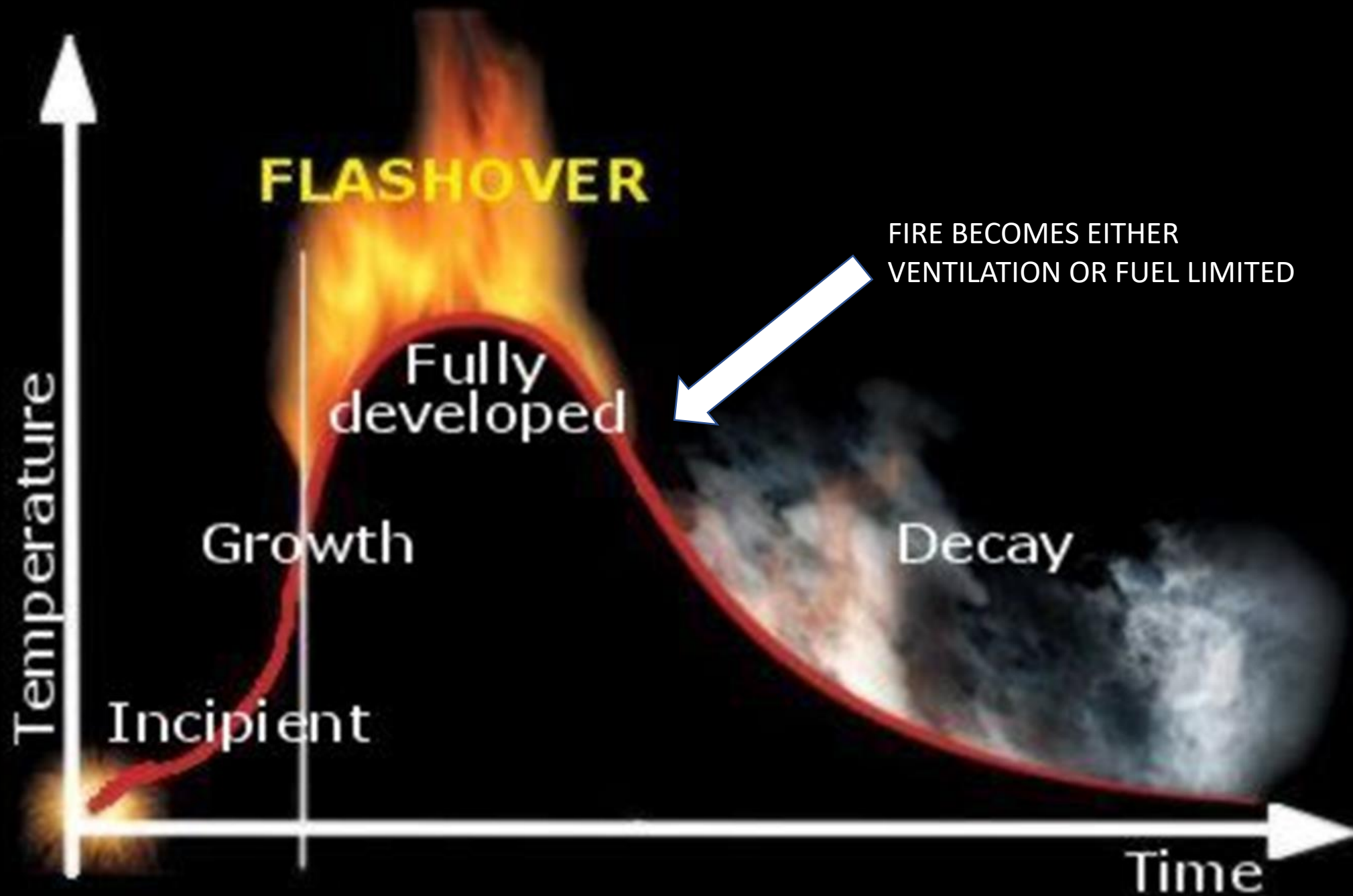
Time is everything



WHEN A FIRE MOVES FROM THE INCIPIENT
PHASE TO THE GROWTH PHASE...



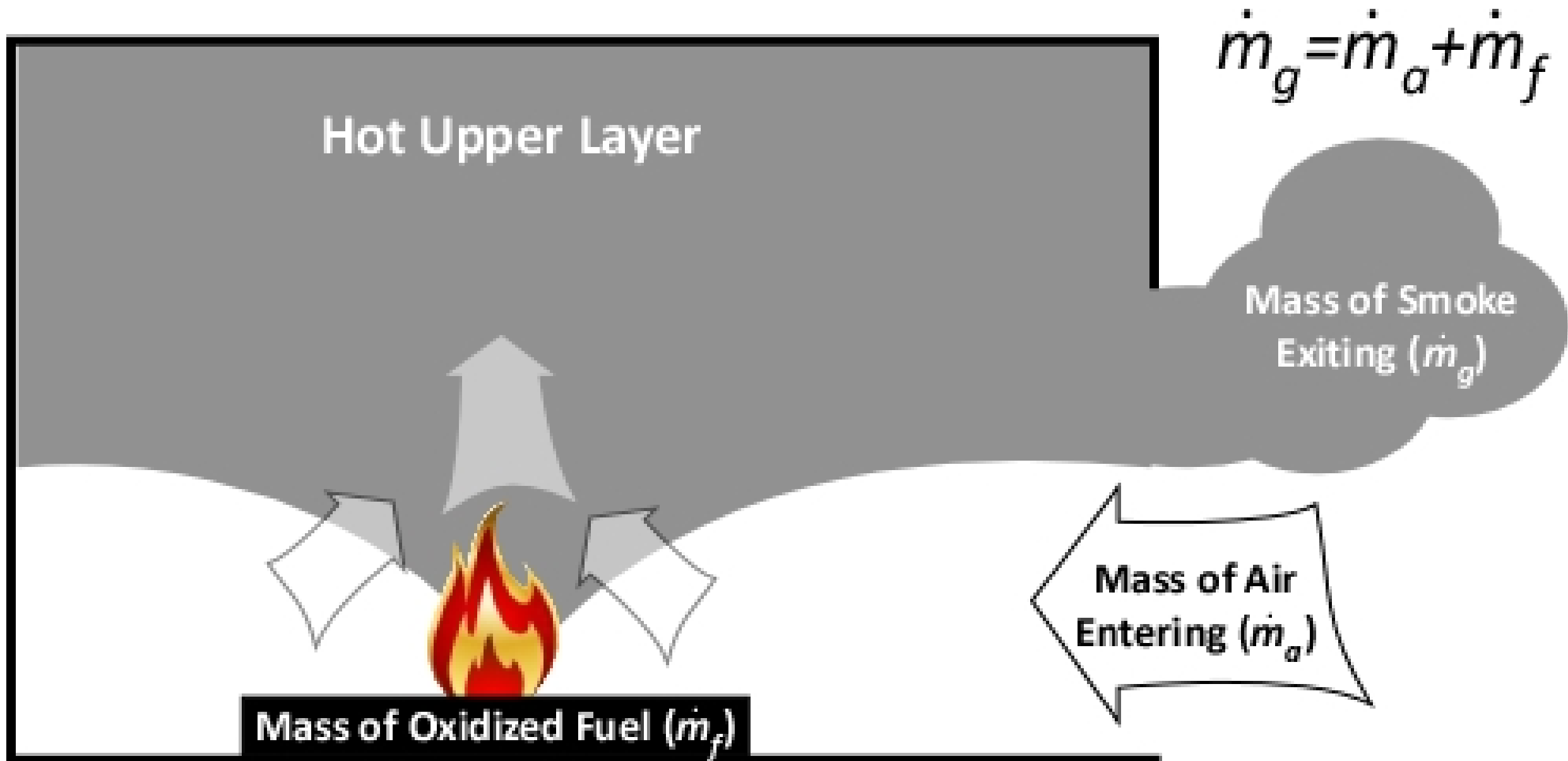
IT EXPANDS WITH NEAR EXPLOSIVE FORCE





CLOSE THE DOOR!

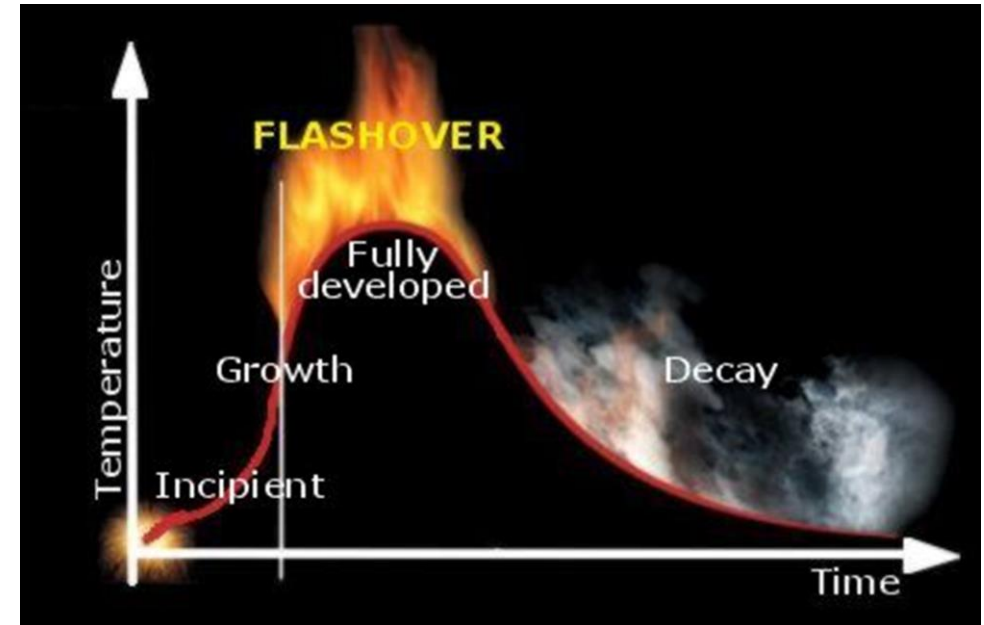
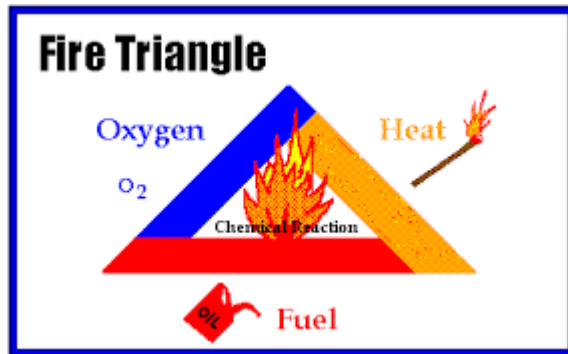






WHY DON'T YOU WANT TO OPEN DOORS WHEN YOU ARE SEARCHING FOR THE FIRE?

- REMEMBER HOW FIRE GROWS
- FIRE NEEDS HEAT, FUEL, & OXYGEN
 - LACKS OXYGEN IN DECAY PHASE



- BUT JUST GIVE IT A BREATH OF FRESH AIR ...

KSLA

THE
DAILY
SHARE



04910 2:46 ST J PD

01/27/1998

LTS10:08:38





NEVER, EVER BREAK WINDOWS
AGAIN WITHOUT COORDINATING
WITH THE HOSE TEAM FIRST...
GOT IT!

PAUL COMBS
©2008
FIRE ENGINEERING





WORKING WITH EMERGENCY RESPONDERS





RESPONSE

LONGER THAN YOU THINK

CALL Processing & DISPATCH :90 SECONDS

TURNOUT: 80 SECONDS

TRAVEL: < 240 SECONDS 90% OF THE TIME

< 50,000 # = 68 MPH

>50,000 # = 60 MPH

WATER ON THE FIRE: 180 SECONDS

TOTAL TIME 9:50

ARE YOU REPORTING PERTINENT INFO?

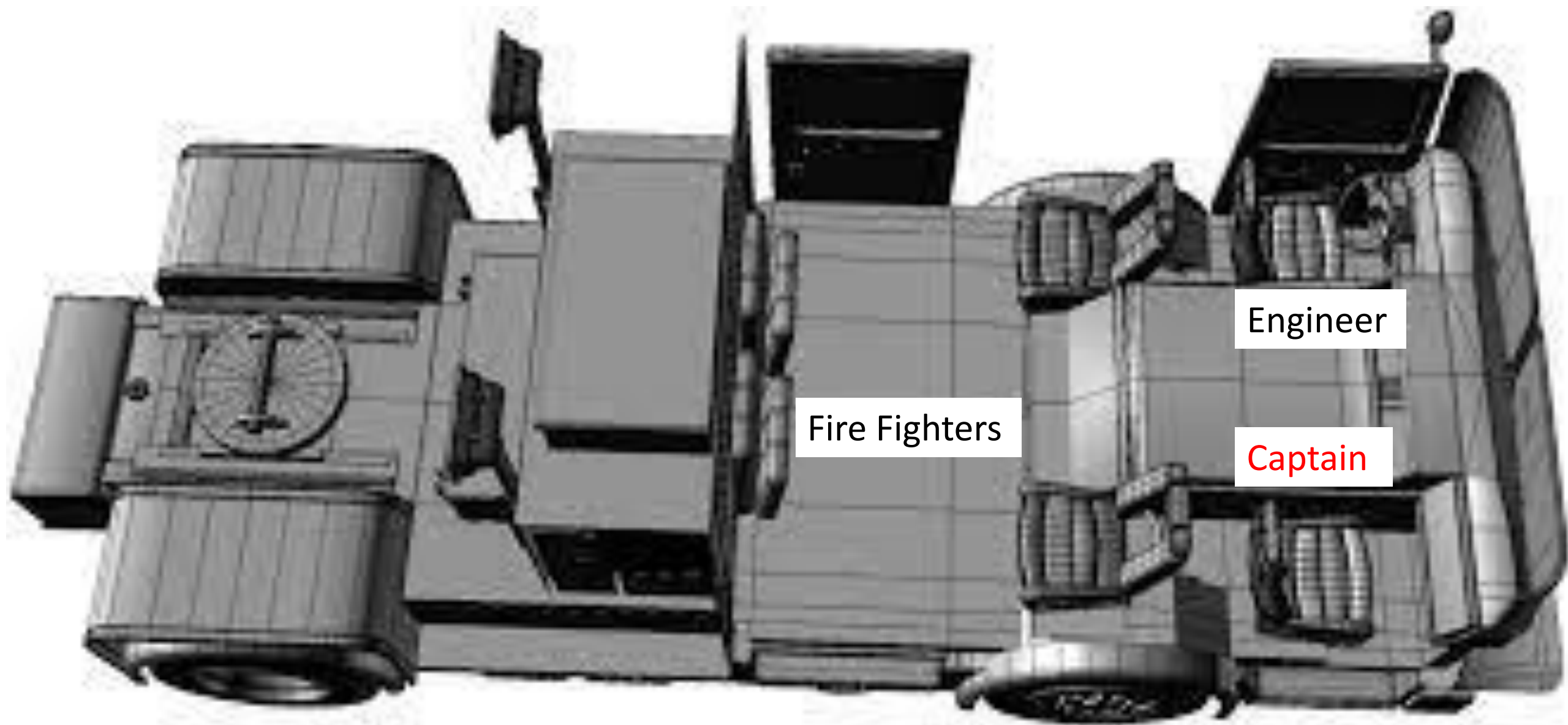
- Where is the fire or alarm source?
 - Use terms that mean something to first time visitors
- What's the best access point?
- What's burning?
 - Extreme hazards in the area
- Are you evacuating?
- Sprinklers operating?
 - Sprinklers / standpipes out of service?
- Fire pumps operating?





ARRIVAL





Engineer

Fire Fighters

Captain

FIRE DEPT. HIERARCHY

FIREFIGHTERS ARE COLOR CODED



WHO DO I WANT TO MEET ME?

- MAINTENANCE STAFF MEMBER WHO KNOWS WHERE EVERYTHING IS AND HOW TO OPERATE IT.
 - PUMP & RISER ROOM
 - SPRINKLER & STANDPIPE CONNECTIONS
 - POST INDICATOR OR OS&Y VALVES
 - POWER SHUT OFFS
 - YARD HYDRANTS
- PLEASE STICK WITH ME LIKE GLUE
 - MAJOR FIRE, MAINTENANCE STAFF SHOULD BE IN THE COMMAND POST



WHERE WILL THE FIRST ARRIVING APPARATUS GO? IT DEPENDS

- NOTHING SHOWING, NO REPORT OF ACTUAL FIRE
 - THE DOOR CLOSEST TO THE ALARM PANEL
 - IS THIS AN ACTUAL ALARM OR SYSTEM TROUBLE?
 - WHERE IS THE ALARM LOCATED
 - Direct crews to area of alarm



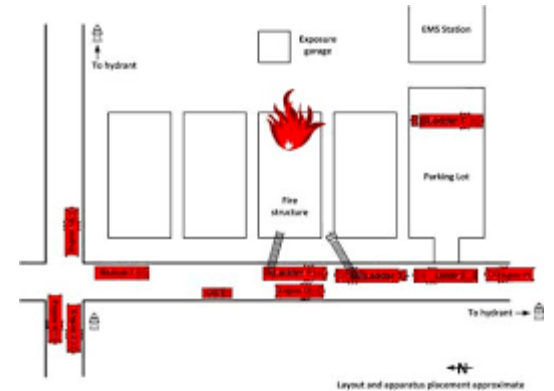
WORKING FIRE

- WATER ON VISIBLE FIRE
- SUPPORT FIRE SUPPRESSION SYSTEM
- ESTABLISH WATER SUPPLY



FIRE APPARATUS IS NOT “PARKED”

- THEY ARE POSITIONED TO FACILITATE TACTICAL OBJECTIVES
- “I CAN STRETCH A HOSE, BUT I CAN’T STRETCH A LADDER”
 - WE MAY NOT GO WHERE YOU TELL US TO
- LADDER TRUCK POSITIONING IS CRITICAL
 - “THE ADDRESS BELONGS TO THE TRUCK”
 - TURNABLE NEEDS TO BE ALIGNED WITH OBJECT TO BE LADDERED
 - ENGINE POSITION IS MUCH MORE FLEXIBLE

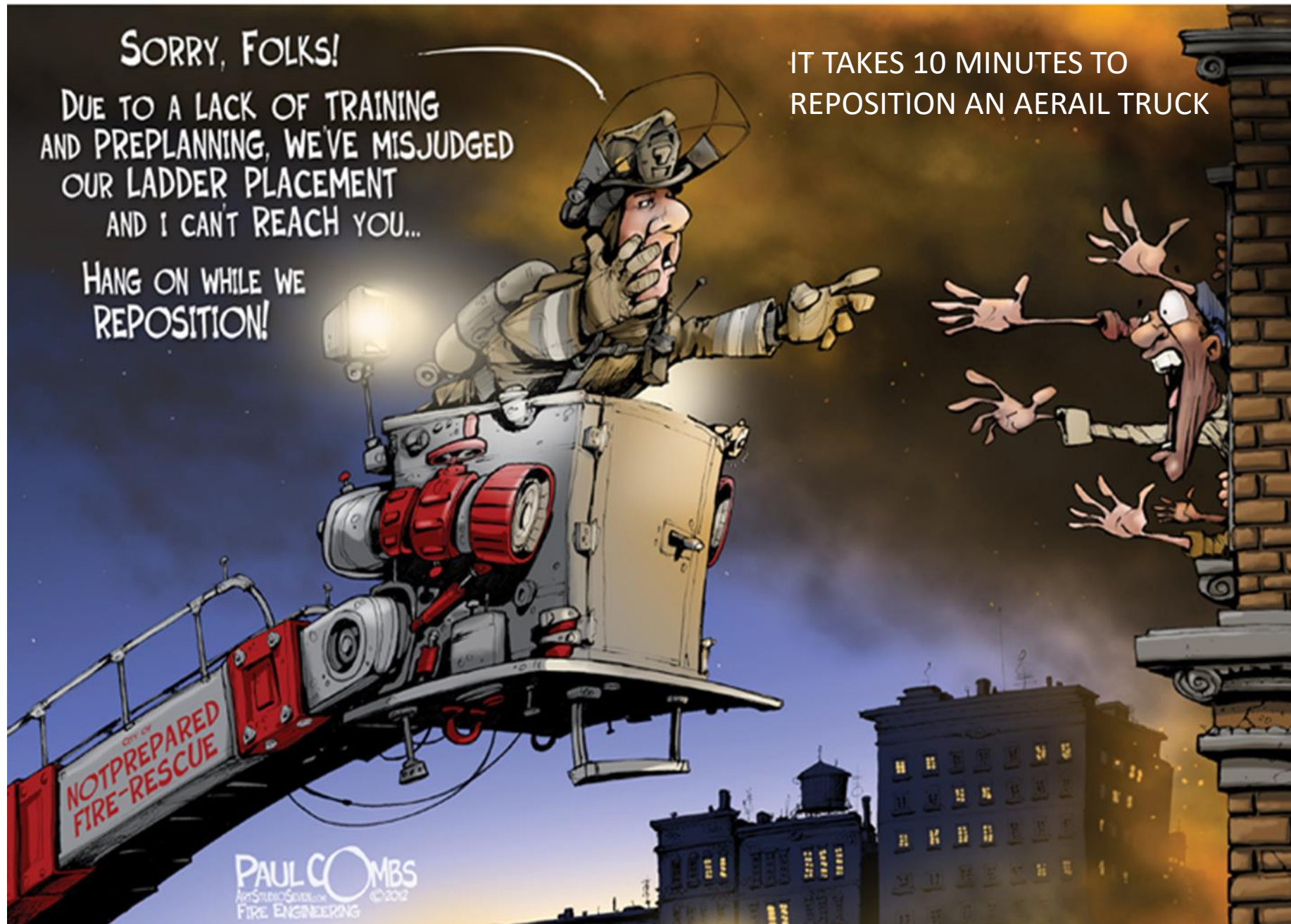




ATTACK ENGINES (PUMPERS)
POSITIONS AS CLOSE TO FIRE AS
PRACTICAL

SUPPLY ENGINES POSITION AS
CLOSE TO HYDRANT AS
PRACTICAL





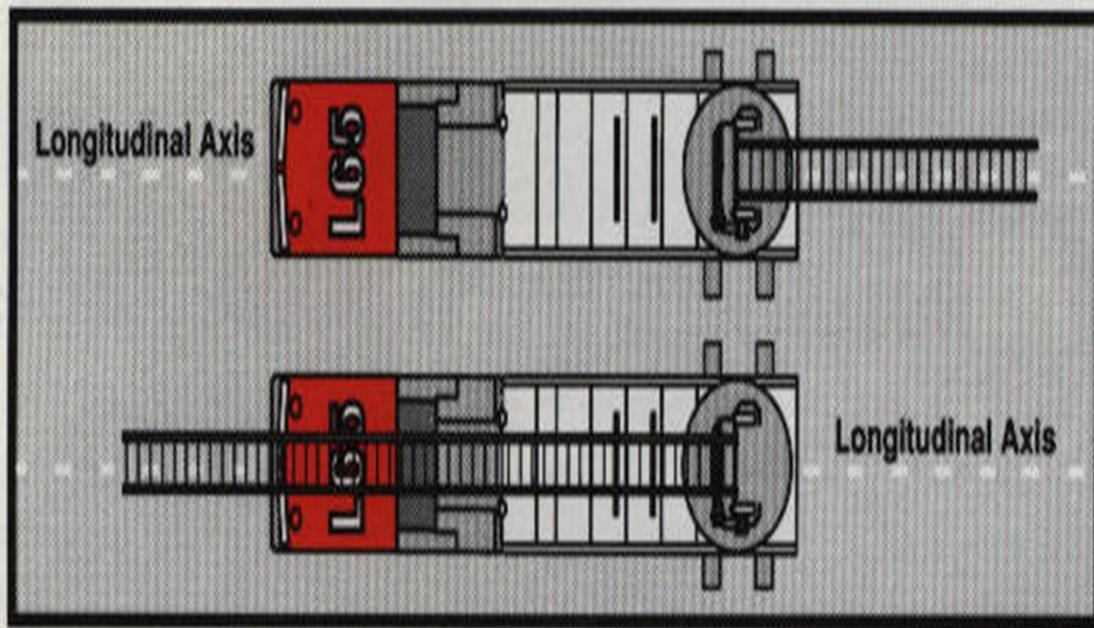


Figure 4.17 The most desirable position for operating the aerial device is either directly over the front or rear of the apparatus.

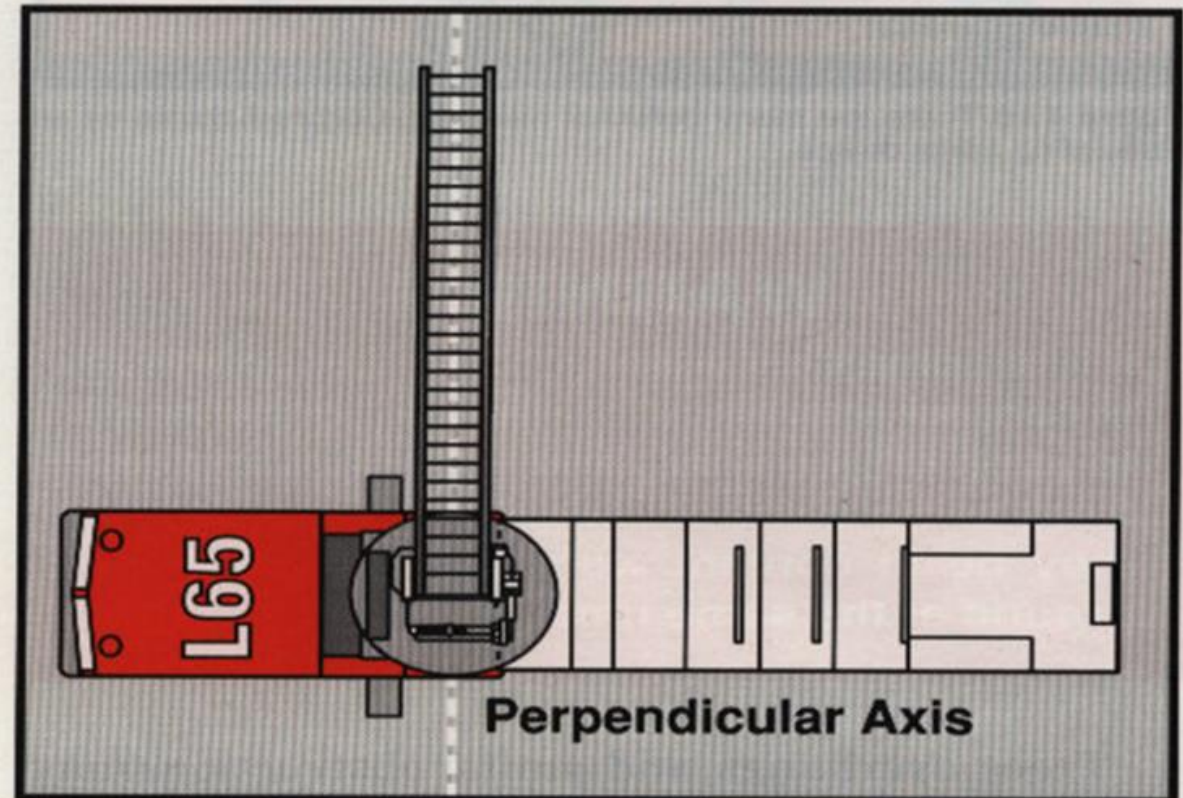


Figure 4.18 The least stable position for aerial operation is perpendicular to the chassis.





WHAT TO DO BEFORE THE FIRE



Emergency Pre-planning

FIRE PREPLAN

NOT AN INSPECTION
MGMT & FD WORKING TOGETHER
BUILDING FAMILIARIZATION
LEARN THE HAZARDS
LEARN THE FIRE PROTECTION SYSTEM
ADDRESS MUTUAL CONCERNS



HOW WILL FD GET IN WHEN YOU ARE CLOSED?

YOUR ALARM SAID THE BUILDING IS ON FIRE



HOW WE GET IN IS UP TO YOU



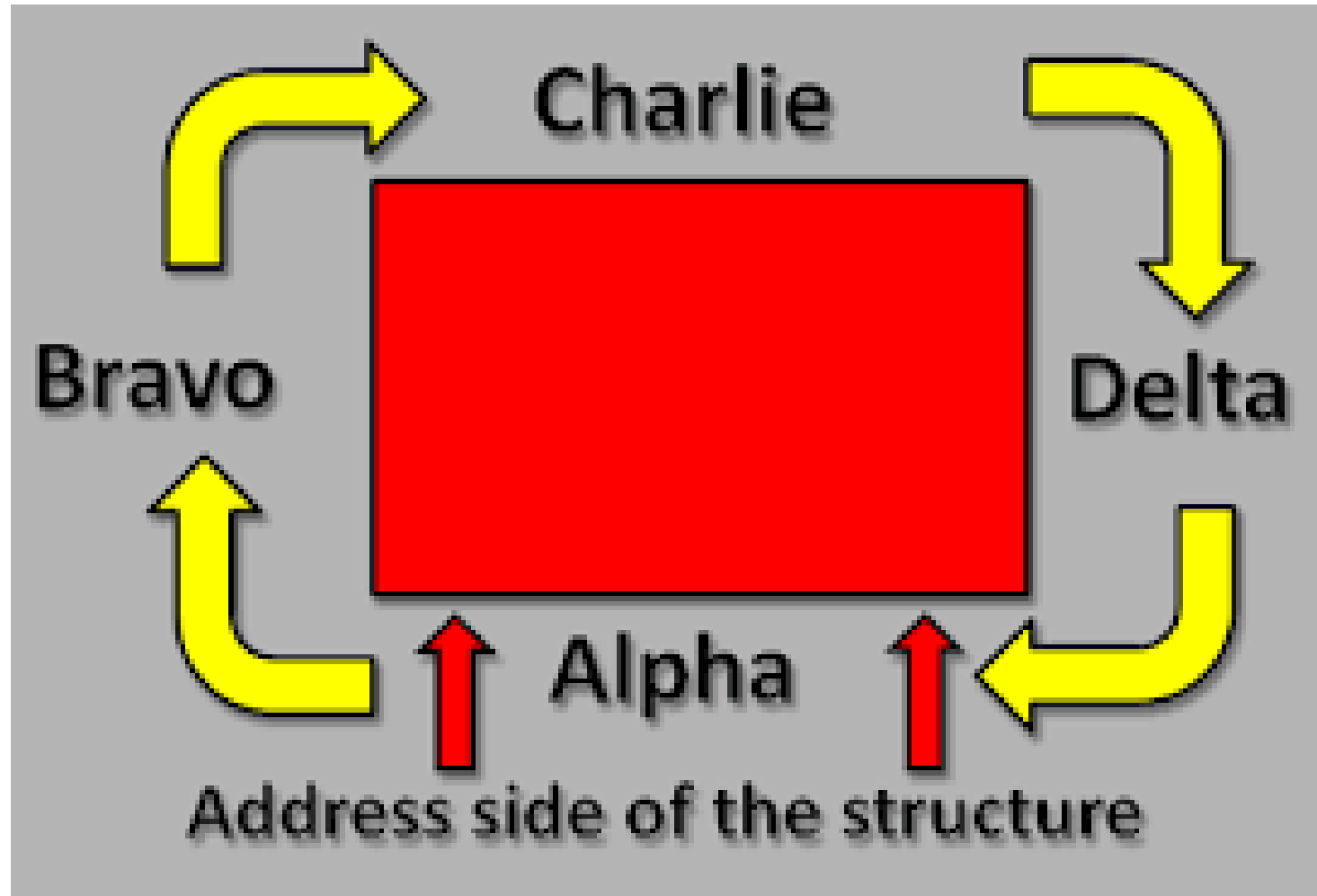
ARE YOUR DOORS & GATES LABELED?



- Large enough to be seen from a distance
- Same place on every door
- Reflective
- Logical progression
- Designed for a new comer



WHICH SIDE? FORGET N, S, E, & W





DO YOU KNOW YOUR FIRE OWN
PROTECTION FEATURES?

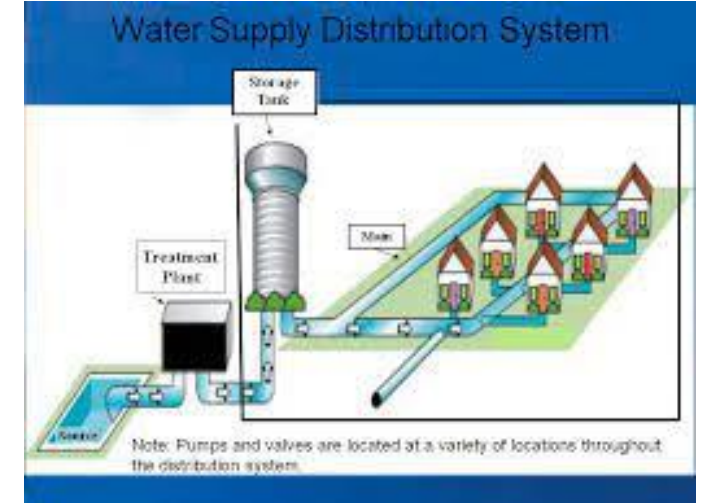
CONNECTING TO THE PROPER HYDRANT REALLY MATTERS



150 psi



90 psi



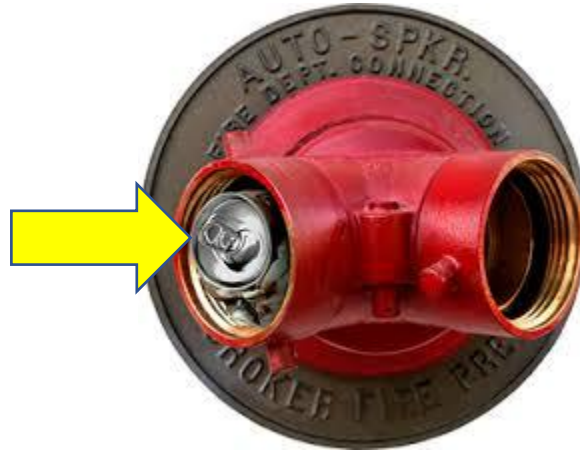
50 psi



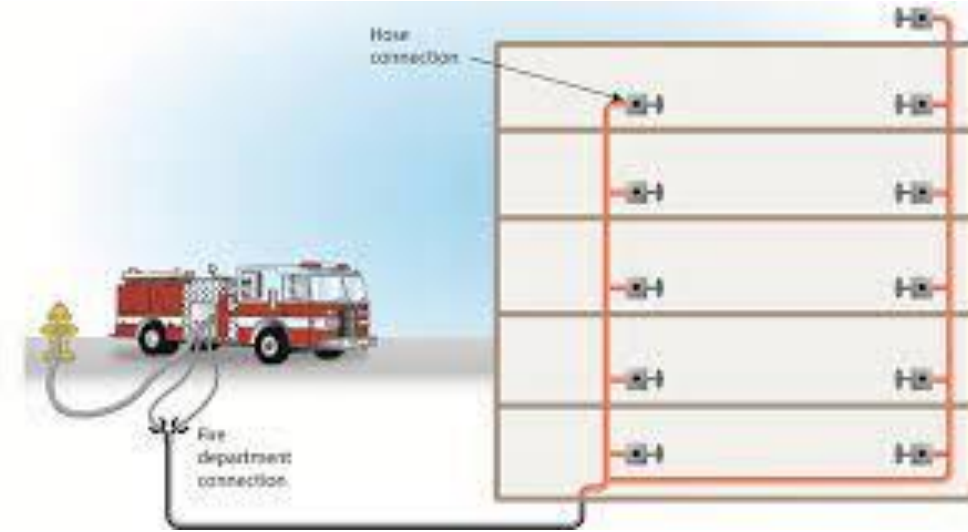
WALL HYDRANTS



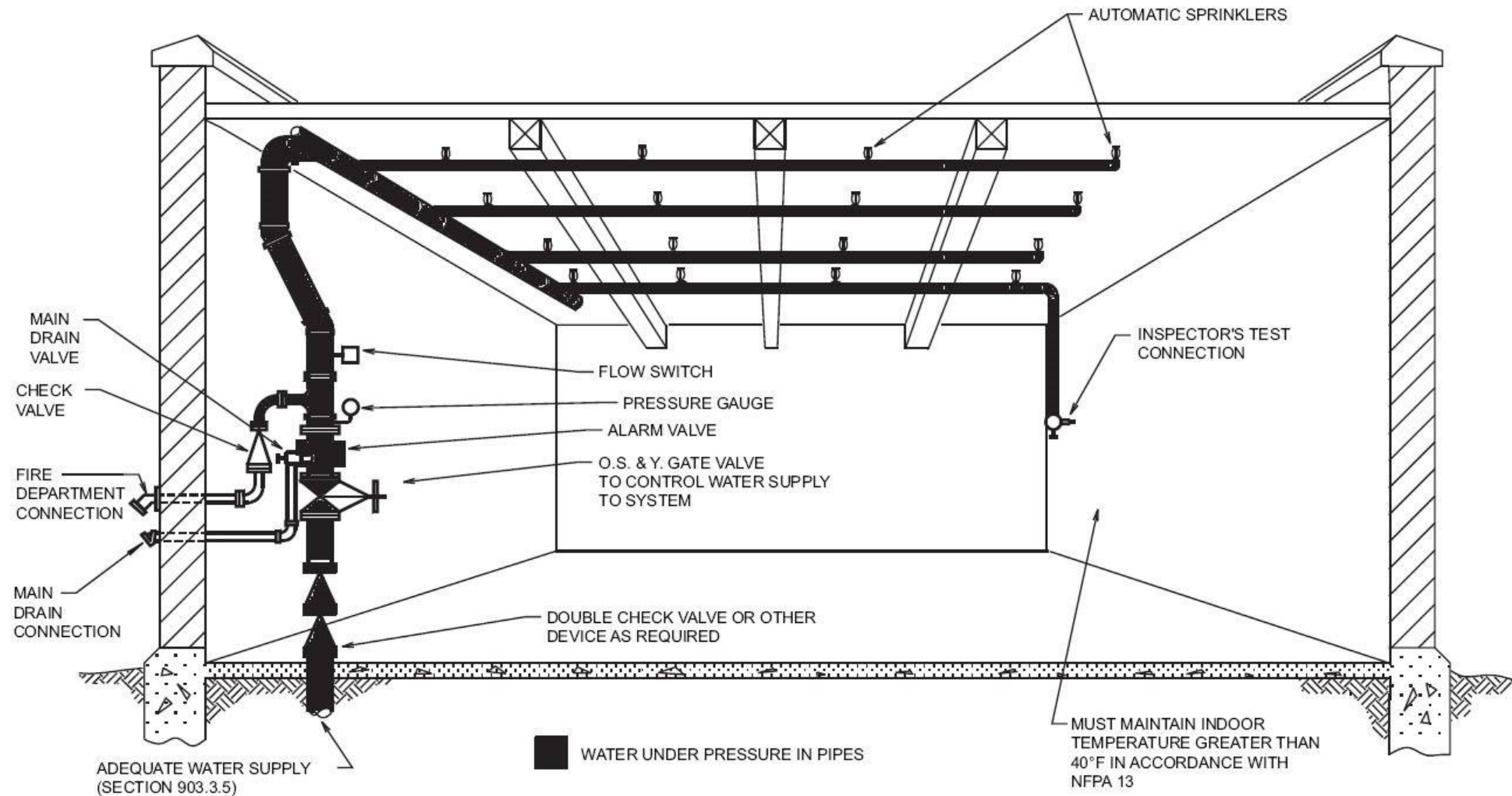
SPRINKLER CONNECTIONS



STANDPIPE CONNECTIONS



BASIC SPRINKLER SYSTEM



FIRE PUMPS



VALVES



OPEN



CLOSED



SPRINKLERS



Conventional



Upright



Pendent



Horizontal Sidewall



Vertical Sidewall



Recessed Pendent



Recessed Pendent



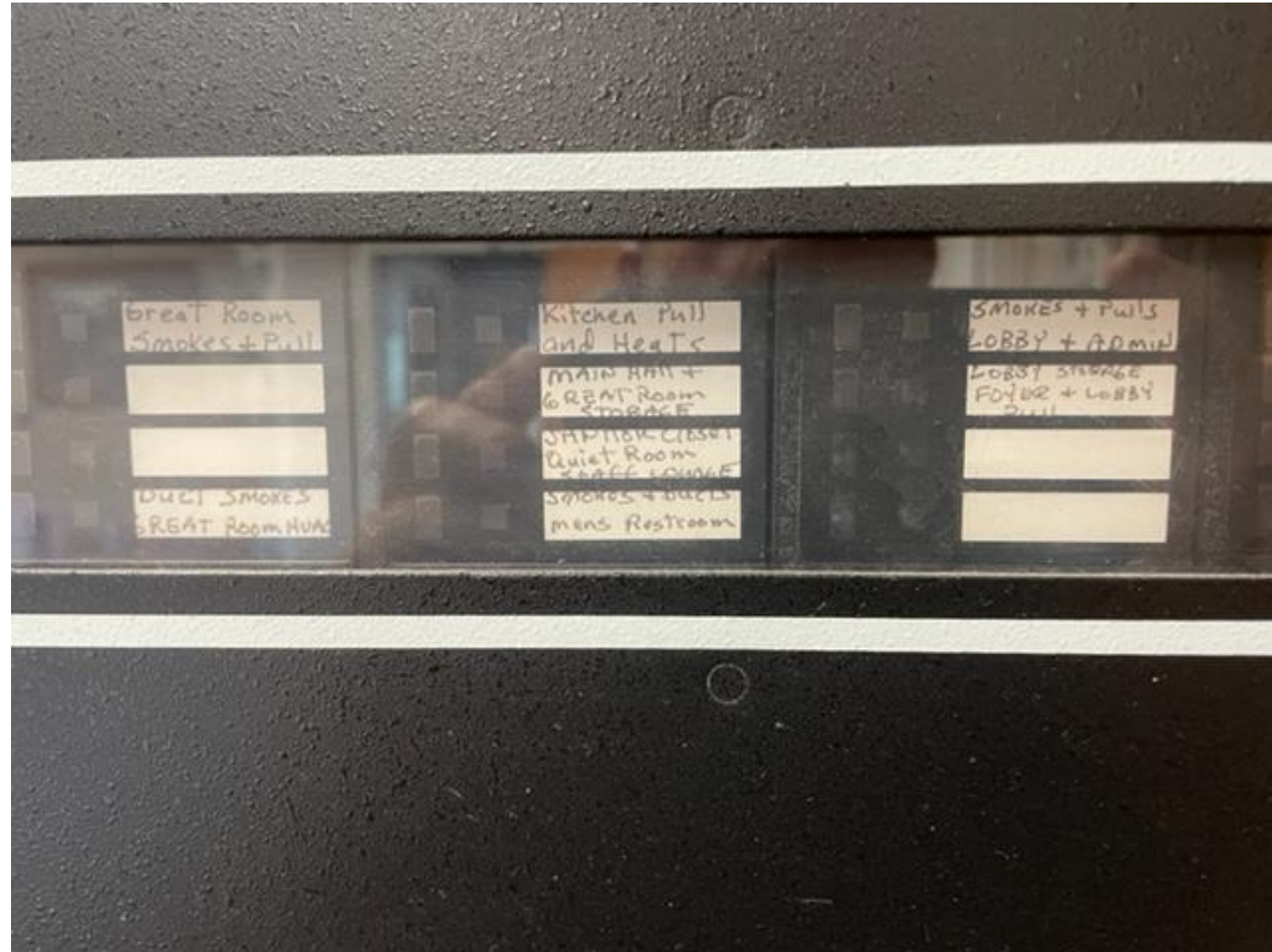
Concealed Horizontal Sidewall



Concealed Pendent



ALARM PANELS



FIRE ALARMS



OK

- DETERMINE IF IT IS A PROPER ALARM OR SYSTEM TROUBLE
- USE COMMON LANGUAGE TO DESCRIBE BUILDING ZONES
- SILENCE THE ALARM WHEN BUILDING IS EVACUATED

NOT OK

- RE-SET THE ALARM UNLESS;
 - YOU NOTE THE AREA AFFECTED AND RELAY INFO TO FD
- USE ZONE NUMBER OR LETTERS TO SHOW LOCATIONS





BURGLAR ALARMS



BURGLAR ALARMS

DO

- CONTACT DISPATCH WITH
 - ETA TO SCENE
 - VEHICLE DESCRIPTION
 - CLOTHING DESCRIPTION
 - CALL BACK NUMBER
- IMMEDIATELY COMPLY WITH ANY COMMANDS



DON'T

- ENTER BUILDING UNLESS COORDINATED WITH LAW ENFORCEMENT
- DISPLAY A WEAPON



WHY COMPLY?

NO ONE KNOWS IF YOU ARE A GOOD GUY OR A BAD GUY

IF YOU HEAR “POLICE K9, MAKE YOURSELF KNOWN OR I WILL RELEASE THE DOG AND YOU WILL GET BIT.”, PLEASE, PLEASE MAKE YOURSELF KNOWN



A 'heroic' man who fatally shot a gunman was himself killed by a responding officer, Colorado police say

By Keith Allen, CNN

Updated 12:11 AM EDT, Sat June 26, 2021



(CNN) — The man hailed as a hero for preventing further bloodshed after a gunman fatally shot a [police officer](#) in Arvada, Colorado, on Monday was himself fatally shot by police, Arvada police said in [a statement](#) Friday afternoon.

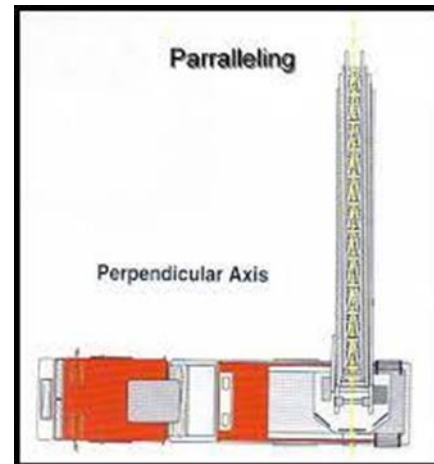
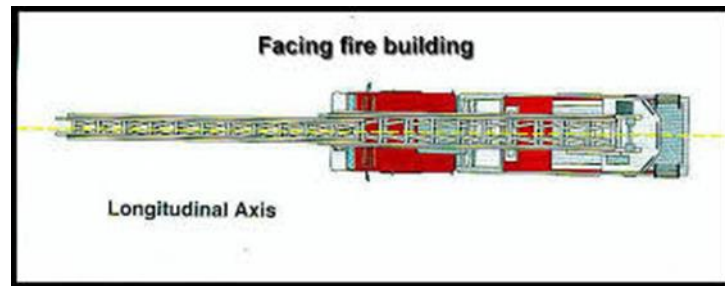
LOUDLABS



**IF YOU HAVE
A QUESTION... ASK**



**YOU WON'T BE
MAULED, PROMISE**



Hosted On

LiveLeak



AUTOMATIC
SPRINKLER
SHUT OFF VALVE
9 FT. WEST
OF THIS SIGN



GAS



Time you can't get back

- How long does it take for you to recognize the problem?
- Call to 911
- Dispatch of Fire Department
 - NFPA Standard 1710 is 60 seconds Fire Department Turn out
- Turnout of Fire Department
 - NFPA Standard 1710 is 80 seconds



ARRIVAL



