



LARGE AREA BUILDING FIRE

SAFETY CONCERNS

- o Construction type
 - Lightweight roof
 - Basement
- o Unreinforced masonry, hidden spaces, fire walls?
- o Look for hazardous materials.
- o Maze-like interior partitions.
- o Establish RIT team, one RIT for each division.

PRIORITY ACTIONS

- o Consult pre-fire en route (if available).
- o Call for second alarm early, especially if smoke/flame showing.
- o Establish staging and announce location.
- o Life safety - are all civilians accounted for?
 - Locate and hold onto personnel familiar with building & occupants.
- o Recon
 - Where is the fire? What is burning? Where is it going?
- o Support FDC if present.
- o Establish water supply (multiple if needed).
- o Safe access to fire (uphill, upwind).
- o Prepare for long hose stretches.
- o Consider master streams.
- o Establish divisions early.

SPECIAL CONSIDERATIONS

- o Use building occupants for specific information.
- o Keith Royer fire flow formula – $L \times W \times H / 100$
- o NFPA fire flow formula – $L \times W / 3$