



# High Rise Fire

## Scope: Sacramento Regional Fire Departments

### Policy Contact

Sacramento Regional Operations Group

### Table of Contents

01. Policy/ Guideline
02. Definition
03. Resources
04. Overview
05. Procedure

### Regulatory References

- Field Operations Guide (Chapter 19)

### 01. Guideline

Establish guidelines when operating at high rise fires

### 02. Buildings Defined

#### 2.1 High-Rise

Buildings seven floors and greater

#### 2.2 Low-Rise

Buildings of four to six floors

#### 2.3 Commercial

Buildings of one to three floors

### 03. Resources

#### 3.1 Partial First Alarm Assignment

- Three Engines
- One Truck
- One Battalion Chief

Last Reviewed: 08/21/22

## Guideline: High Rise Fire

### 3.2 Full First Alarm Assignment

- Five Engines
- Four Trucks
- Three Battalion Chief
- Two Medics
- EMS Officer

### 3.3 Additional Alarms

- Additional alarms mirror first alarm assignments with the addition of an air unit

## 4.0 Procedures:

**4.0.1 Communications** Command can request through Fire Dispatch that Radio channels for use at high-rise incidents be moved to C or D bank.

### 4.1 First Engine-First Alarm

Provide initial size-up report and establish Lobby/Systems/Command; identify, secure, and announce single point of entry, fire attack and evacuation stairwells; locate and connect to FDC; establish OTIS 1 & 2

#### 4.1.1 Tool Assignment

- Elevator keys
- Four additional SCBA bottles (one in each elevator, remaining two to fire attack crew)
- Halligan
- Irons
- High-rise bag
- 2<sup>nd</sup> radio

### 4.2 Second Engine-First Alarm

Take fire attack or investigate and confirms fire attack stairwell; lay supply line for the 1<sup>st</sup> due engine to the hydrant.

#### 4.2.1 Tool Assignment

- High-rise bag
- Gated wye
- Three lengths 2 ½" hose, nozzle and 3" pigtail
- Halligan
- Keys

### 4.3 Third Engine-First Alarm

Assist with fire attack or investigation; establish sprinkler connection or support a combination system with additional connections

#### 4.3.1 Tool assignment

## Guideline: High Rise Fire

- High-rise bag
- Gated wye
- 2 lengths 2 ½” hose, nozzle and 3” pig-tail
- Four air bottles
- Halligan
- Keys

### 4.3.2 Additional Considerations

- Equipment should be placed outside fire attack stairwell one floor below fire

## 4.4 Fourth Engine-First Alarm

Establish Division 1 floor below the fire, and FF's assist with primary fire attack line; lay a supply line for the third-due engine to the hydrant

### 4.4.1 Tool Assignment

- High-rise bag
- Gated wye
- Two lengths of 2 ½” hose, nozzle and 3” pig-tail
- Four air bottles
- Halligan
- Keys
- 2<sup>nd</sup> radio

### 4.4.2 Additional Considerations

- Once relieved of Division Supervisor by 2nd arriving Battalion Chief, Captain will remain as Division Aide.
- Secure water supply from a different grid than that of second due engine
- Firefighters assigned to fifth-due engine
- Equipment should be placed outside fire attack stairwell one floor below fire

## 4.5 Fifth Engine-First Alarm

- Assist with primary fire attack line

### 4.5.1 Tool Assignment

- High-rise bag
- Gated wye
- Two lengths of 2 ½” with nozzle and 3” pig tail
- Four air bottles
- Halligan
- Keys

### 4.5.2 Additional Considerations

- Engineer parks apparatus at single point of entry; engineer maintains single point of entry and tracks arrival and departure of companies

## Guideline: High Rise Fire

- Engineer assumes OTIS 2 when first due engine is staffed with three
- Equipment should be placed outside fire attack stairwell one floor below the fire

### 4.6 First Truck-First Alarm

- Spot truck appropriately and announce location; assist with fire attack or investigation; determine and announce staging location 2 floors below the fire

#### 4.6.1 Tool Assignment

Tool needs determined by building construction/obstructions; may include a combination of the following:

- Z-hook(s)
- Search bag
- Irons
- Hydra-ram
- TIC's
- Water can
- Keys

### 4.7 Second Truck-First Alarm

Spot truck appropriately and announce location; assist operations on fire floor (fire attack and/or investigation)

#### 4.7.1 Tool Assignment

Tool needs determined by building construction/obstructions; may include a combination of the following:

- Z-hook(s)
- Search bag
- RIC Pack (staged on Division floor)
- Six SCBA bottles
- Irons
- Hydra-ram
- Blower (electric preferred due to CO<sub>2</sub>)
- TIC
- Water can
- Keys

#### 4.7.2 Additional Considerations

- Deliver blower to the lobby (electric/battery preferred due to CO); for non-pressurized stairwells, initiate pressurization of the fire attack stairwell

### 4.8 Third Truck First Alarm

- Establish RAT I

**Guideline: High Rise Fire****4.8.1 Tool assignment**

- Search bag
- Irons
- Hydra-ram
- Blower (electric/battery preferred due to CO)
- TIC's
- Six SCBA bottles

**4.8.2 Additional Considerations**

- Park away from building
- RAT 1 & 2 report to Evacuation Group (third arriving BC)
- For fires above the sixth floor OTIS I and II should be used until RAT operations are complete
- RAT 1 should be transported a minimum of three floors below the reported fire
- Place blower (electric/battery preferred due to CO) in the fire attack stairwell doorway three floors below the fire floor. When needed, initiate pressurization.
- Use fire attack stairwell to access top of stairwell
- Cache equipment 1 floor above nearest smoke free floor above the fire outside of the fire attack stairwell
- Ensure stairwell doors are kept shut and locking mechanism disabled (zorro mask)
- Escort civilians out of attack stairwell and relocate them to a safe area; notify Evacuation Group Supervisor of location
- Ventilation of the fire attack stairwell is not authorized until coordinated with Division Group Supervisor on the fire floor; tactical priority is stairwell pressurization, not ventilation
- Maintain control of the fire attack stairwell until relieved or reassigned by Evacuation Group Supervisor

**4.9 Fourth Truck-First Alarm**

- Spot truck appropriately and announce location; assist operations on fire floor (fire attack)

**4.9.1 Tool Assignment**

- Z-hook(s)
- Search bag
- Irons
- Hydra-ram
- Blower (electric/battery preferred due to CO)
- TIC's
- Water can
- Keys
- Six SCBA bottles

**4.10 First Battalion Chief-First Alarm**

**Guideline: High Rise Fire**

- Take and/or assume Command

**4.10.1 Additional Considerations**

- ICP should be located a safe distance from the building and not blocking apparatus placement. Position command vehicles with rear compartments facing each other.
- If appropriate, request second alarm assignment and identify location for apparatus parking
- If appropriate, implement the communications plan
- Prepare for a third alarm, establish incident Base
- Use Chapter 19 of the Field Operations Guide as a template

**4.11 Second Battalion Chief-First Alarm**

- Take Division Supervisor from the fourth due engine captain on the fire floor

**4.11.1 Additional Considerations**

- Confirm assigned resources and tactical channels within Division
- Announce assumption of Division Supervisor once on the fire floor

**4.12 Third Battalion Chief-First Alarm**

Establish Evacuation Group Supervisor at the ICP

**4.12.1 Additional Considerations**

- Confirm assigned resources and tactical channels within Group
- RAT I and II report to Evacuation Group Supervisor

**4.13 First Ambulance-First Alarm**

Park away from the incident and report to the lobby with all necessary medical equipment and establish Triage Unit Leader

**4.13.1 Additional Considerations**

- If an MCI is declared the Sacramento County Office of Emergency Medical Services Disaster Medical Services Plan should be implemented
- Request additional resources through Medical Group Supervisor
- Remain on scene throughout entire incident

**4.14 Second Ambulance-First Alarm**

Park away from incident and report to the lobby with all necessary equipment and establish Transport Unit Leader

**4.14.1 Additional Considerations**

- If an MCI is declared the Sacramento County Office of Emergency Medical Services Disaster Medical Services Plan should be implemented
- Request additional resources are through Medical Group Supervisor

**Guideline: High Rise Fire**

- Remain on scene throughout entire incident

**4.15 EMS Officer**

Report to the ICP and establish Medical Group Supervisor

**4.15.1 Additional Considerations**

- Confirm assigned resources and tactical channel(s) within the Group

**4.16 Second Alarm Assignment**

The entire second-alarm assignment establishes Staging a minimum of two floors below the fire

**4.16.1 First Engine-Second Alarm (Tool Assignment)**

- Four SCBA bottles
- Whiteboard
- Caution tape
- High rise bag
- EMS equipment
- 2<sup>nd</sup> radio

**4.16.2 Remaining Engines-Second Alarm (Tool Assignment)**

- 100' of 2 ½" hose
- Four SCBA bottles

**4.16.3 First Truck-Second Alarm**

Establish RAT 2

**Additional Considerations**

- Staging Area Manager provides RAT II with tactical channel
- Reports to Evacuation Group
- Tool assignment matches that of RAT I
- Place blower (electric/battery preferred due to CO) in the evacuation stairwell doorway three floors below the fire floor. When needed, initiate pressurization.
- Should be transported a minimum of three floors below the reported fire floor
- If operating in a non-pressurized stairwell, place the support blower in the doorway leading to the evacuation stairwell with the floor door open to blow air into the stairwell
- Use the evacuation stairwell to access the top of the stairwell
- Cache equipment 1 floor above nearest smoke free floor above the fire outside of the evacuation stairwell
- Initiate a search of the evacuation stairwell, ensure stairwell doors are kept closed as much as practical, and locking mechanism is disabled (zorro mask)

**Guideline: High Rise Fire**

- Direct civilians down the evacuation stairwell to a safe area; notify Evacuation Group Supervisor of any persons needing to be sheltered in place and their location
- Evacuation stairwell ventilation should only be authorized when coordinated with the fire floor Division Supervisor; tactical priority is stairwell pressurization, not ventilation
- Maintain control of the evacuation stairwell until relieved/reassigned by Evacuation Group Supervisor

**4.16.4 Second Truck-Second Alarm**

Establish RIC one floor below fire

**Tool Assignment**

- Search bag
- TIC
- Hydra-ram
- Blower to lobby (electric/battery preferred due to CO)
- Irons
- Box light
- RIC bag
- Circular saw
- Six SCBA bottles

**4.16.5 Third Truck-Second Alarm**

Coordinate evacuation stairwell pressurization IC, Division, or EVAC Group Supervisor. Use salvage equipment to protect the elevators

**Tool Assignment**

- Search bag
- TIC
- Hydra-ram
- Blower to the base of evacuation stairwell along with blower from second truck (electric preferred due to CO<sub>2</sub>)
- Irons
- Six SCBA bottles
- Salvage covers

**4.16.6 Fourth Truck-Second Alarm**

Report to staging

**Tool Assignment**

- Search bag
- TIC



## Guideline: High Rise Fire

- Hydra-ram
- Irons
- Six SCBA bottles
- Salvage covers

### 4.17 Third Alarm Assignment

Establish Base

#### 4.17.1 Additional Considerations

- Assign additional Tac channel for Base due to the separation of “Staging” and “Base” in a high rise operation
- The first engine dispatched on the third alarm conducts roll call on Base channel and establishes Base at the location designated by Command
- The entire third alarm assignment positions apparatus in same Command-designated location as that of the Second Alarm
- Captain and FF 1 reports to Command Post, engineer and FF 2 manage Base.

### 4.18 Battalion Chief Assignments through 3<sup>rd</sup> Alarm

- 1<sup>st</sup> Battalion Chief-Incident Commander
- 2<sup>nd</sup> Battalion Chief-Fire Floor Division Supervisor
- 3<sup>rd</sup> Battalion Chief-Evacuation Group Supervisor
- 4<sup>th</sup> Battalion Chief-RIC Group Supervisor
- 5<sup>th</sup> Battalion Chief-Deputy Incident Commander
- 6<sup>th</sup> Battalion Chief-Division/Group Supervisor or Safety Officer
- 1<sup>st</sup> Assistant Chief-assumes Incident Commander and initial IC joins 5<sup>th</sup> BC; becomes Deputy Chief of Operations
- 7<sup>th</sup> Battalion Chief- Logistics for Lobby/Systems/Base
- 8<sup>th</sup> Battalion Chief- Division/Group Supervisor or Safety Officer (based on 6<sup>th</sup> BC above)
- 9<sup>th</sup> Battalion Chief- Division/Group Supervisor

## 5.0 Overview:

### 5.1 Lobby/Systems

- Locate building security and/or engineer to assist with stairwell locations and system operations
- Fifth arriving engine to make face-to-face or radio contact with Lobby (captain from first due engine) before assuming check-in
- Fifth arriving engine to put light towers up on engine closest to point of entry
- Secure separate TAC channel for OTIS once comms plan in place

## Guideline: High Rise Fire

### 5.2 OTIS

- Elevator use is authorized for fires above the sixth floor
- OTIS I and II are filled by back-up and nozzle firefighters from the first due engine
- High bank elevators are never to be used
- Otis personnel should have a Halligan, SCBA, portable radio, and one extra SCBA bottle
- All elevators should be recalled to ground floor, switched to Phase II (Manual Mode), and operated only by fire department personnel
- All members shall be equipped with an SCBA
- Any amount of water/smoke noted in the elevator shaft is cause for immediate exit and cessation of elevator operations
- Immediately exit and cease operation if the elevator's fire service light starts flashing
- Do not overload elevators
- Elevator operator shall stop every five floors, confirming that elevator is still under fire department control and that elevator shaft remains clear of water/smoke
- Elevator operator shall have crews exit a minimum of two floors below reported fire floor

### 5.3 Fire Attack

#### 5.3.1 General

- Priority of 1<sup>st</sup> alarm engines is to get one attack line in place
- Initial attack line should be 200' minimum
- Additional Fire Attack Divisions co-locate on same floor as initial Division
- Check layout of floor below fire
- Crews should mask up on the floor below the fire
- Notify Division or Group Supervisor prior to entering IDLH
- All radios should be turned off while on the floor below the fire unless directly involved in communications
- When possible, gear should be centrally cached at a location some distance from the Division Group Supervisor
- Crews shall limit conversation while "on deck" and keep some distance from the Division Group Supervisor
- Contact Division for replacement around 3600 psi following 1/3 rule of air management.
- Crews should work through two SCBA bottles before entering rehab

#### 5.3.2 Engine

- Consider delaying Fire Attack until stairwell is empty
- Label attack lines at fire door entry
- Fourth and fifth arriving engines may assist with Fire Attack when necessary

#### 5.3.3 Truck

## Guideline: High Rise Fire

- Post company identifiers on LAS at entry point and remove upon exit
- Companies should confirm they are on correct line before entering IDLH
- Do not split crews on a search rope
- First priority should be to locate the seat of the fire (relay to engine company) then search from the fire out
- Never extend from original LAS line; finish searching with the entire LAS before starting a second search operation with a second LAS bag

### 5.4 RAT/Stairwell Pressurization

- Ensure doors are closed; do not chock doors open
- Outside atmospheric conditions have significant effects on interior ventilation
- Coordinate with RAT II for floor searches
- Upper floors must be cleared before ventilation when windows do not open
- Clear stairwell while ascending to top floor and then descend back to floor above fire, work back to top, floor by floor
- Report conditions on floor above fire and top floor

### 5.5 RIC

- There will not be enough companies for Level II RIC until third alarm
- Check in with Staging by radio when assuming RIC
- Establish communications with Command
- RIC should notify Division Group Supervisor once assembled and deployable

### 5.6 Staging

- Firefighter #2 will report to Division as an additional aide if running with 4
- Keep engine, truck, and rehab equipment separate
- Turn individual crew member radios off
- Confirm radio channel(s) prior to deploying to assignment

### 5.7 Pumping Operations

- On confirmed fires consider parking across the street as protection against falling debris
- If 3" hose line lays will exceed 300', consider using two 50' sections of 3" from the FDC to a manifold, then use a LDH to connect to the engine's LDH discharge
- Most modern high-rise buildings have combination FDC's
- Older buildings may have stairwell specific FDCs; it is imperative the engineer listen to which stairwell is to be used for fire attack and connect to the appropriate FDC
- The engine at the hydrant should be in "RPM" mode and the engine at the FDC should be in "Pressure" mode

### 5.8 Division

#### 5.8.1 Captain-Fourth Engine

- Captain stays with Division to assist once relieved by chief officer
- Obtain crew entry list with entry times and gather PAR

## Guideline: High Rise Fire

- Keep equipment cache away from immediate Division working area

### **5.8.2 Division Chief**

- Monitor fire attack and command channels
- Call crews out of staging and onto floor early
- Request additional chief to assist as soon as possible

### **5.9 Command**

- Balance to a full high-rise assignment if there is any indication there is something other than a false alarm
- Strike a second alarm for multiple floors with smoke detector activation
- Strike a third alarm with smoke and/or fire present
- Small working high rise fires require three alarms
- Large high-rise fires and/or extended operations require five alarms
- Activate a communications plan with a second alarm request
- Request a dedicated dispatcher to monitor command channel
- ICP should be at least 200' from fire building; consider locating ICP in an adjacent lobby
- Utilize RAT to recon fire spread
- Consider CERT to assist with ICP support
- Utilize law enforcement to develop traffic plans/pedestrian safety areas
- Identify and request logistics needs early, i.e. blower fuel, SCBA bottles, rehab, and fuel trucks
- IC to monitor only two channels

**Guideline: High Rise Fire****Lobby & Systems, Checklist**  
**(1<sup>st</sup> Arriving Engine First Alarm)****Priorities:**

- Give Size Up (Balance Alarm as needed; request 2<sup>nd</sup> Alarm, if appropriate).
- Establish Incident Command (1<sup>st</sup> due BC will assume Command upon arrival). Engineer to drop crew off at “single point of entry” and proceed to FDC and hook to standpipe/sprinkler system.
- Identify, Voice, and Control “**Single Point of Entry.**”
- Locate alarm panel and broadcast CAN Report to incoming companies.

**Check List:**

- 1) \_\_\_ Equipment: Knox Keys, 4 SCBA Bottles, Iron Package, 2<sup>nd</sup> Halligan (Otis 2), High Rise Bag, Cell Phone, 2<sup>nd</sup> radio.
- 2) \_\_\_ Identify single point of entry, make contact with Security/Building Representative if possible.
- 3) \_\_\_ Access alarm panel and voice CAN Report.
- 4) \_\_\_ Establish “OTIS 1” and “OTIS 2” (if appropriate).
- 5) \_\_\_ Identify “Fire Attack” stairwell (open stairwell for attack crews & control access point, if appropriate).
- 6) \_\_\_ Identify “Evacuation” stairwell.
- 7) \_\_\_ Assign Building Keys as appropriate to incoming companies.
- 8) \_\_\_ Ensure blowers in lobby & stairwells are running and request for fuel or batteries as needed.

**Guideline: High Rise Fire****OTIS Checklist****Priorities:**

- All operation of elevators during an incident will be performed only by fire personnel and those familiar with Manual Operation (Phase I & 2), along with a full understanding of elevator operations.
- At no time shall fire personnel utilize elevators unless they are in Manual/Fire Department Mode. During an incident, use of **High-Bank elevators & Freight elevators** are never to be used.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above **if safe to use**.
- Secure separate TAC channel for OTIS once comms plan in place.

**Check List:**

- 1) \_\_\_ OTIS Tool compliant will include: Halligan, SCBA, Portable Radio, and (2) extra air bottles
  - a. One bottle stays with OTIS, second bottle to be directed to Staging.
- 2) \_\_\_ OTIS will recall all elevators to ground floor using building elevator keys, "Phase 1."
- 3) \_\_\_ OTIS 1 and OTIS 2 will each take control of an elevator car using elevator key to place in Manual mode, "Phase 2".
- 4) \_\_\_ OTIS 1 and OTIS 2 will test elevator doors to confirm "Phase 2" is working properly and visually check elevator shaft to confirm it's free of smoke and water. **Any blinking lights** related to "Phase 2" operation indicate car problems and elevator should be **immediately** stopped and evacuated on nearest floor.
- 5) \_\_\_ If possible two companies at a time will be transported in each elevator, however elevator occupancy must be based on ability of all fire personnel to don SCBA, or self-rescue. **Elevator is not to be overloaded.**
- 6) \_\_\_ OTIS operators will stop and check at (5) floor intervals for smoke/water in elevator shaft and will cease elevator operation if encountering either. Crews to be unloaded a minimum of 2 floors below fire.

**Guideline: High Rise Fire****2<sup>nd</sup> Arriving Engine, First Alarm Checklist****Priorities:**

- Engineer to drop crew off at “single point of entry” and proceed to supply first due engine at standpipe/sprinkler connection.
- Captain to establish Fire Attack/Investigation mode.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above, if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Cell Phone, High Rise Bag, Gated Wye, 3 Lengths 2 ½” with pigtail and nozzle, Halligan, TIC.
- 2) \_\_\_ Captain will confirm Fire Attack stairwell via portable radio.
- 3) \_\_\_ Backup F/F to make standpipe connection on floor below fire.
- 4) \_\_\_ Nozzle F/F to lay out hose and make connections on floor below fire.
- 5) \_\_\_ Set water pressure while flowing nozzle wide open.
- 6) \_\_\_ Notify Division or IC when entering IDLH.
- 7) \_\_\_ Conserve air supply and begin Fire Attack as soon as adequate personnel are in place.

## Guideline: High Rise Fire

### **3<sup>rd</sup> Arriving Engine, First Alarm Checklist**

#### **Priorities:**

- Engineer to drop crew off at “single point of entry” and proceed to hook up to an alternate FDC connection.
- Captain to assist 2<sup>nd</sup> arriving Engine with Fire Attack/Investigation.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

#### **Check List:**

- 1) \_\_\_ Equipment: Keys, Cell Phone, High Rise Bag, Gated Wye, 2 Lengths 2 ½” with pigtail and nozzle, 4 air bottles, Halligan, TIC.
- 2) \_\_\_ All equipment brought up by company to be staged outside stairwell on floor below fire.
- 3) \_\_\_ Assist First Fire Attack Engine Company with stretching attack line.
- 4) \_\_\_ Notify Division or IC when entering IDLH.
- 5) \_\_\_ Conserve air supply and begin Fire Attack as soon as adequate personnel are in place.



**Guideline: High Rise Fire****4<sup>th</sup> Arriving Engine, First Alarm Checklist****Priorities:**

- Engineer to drop crew off at “single point of entry” and proceed to supply third arriving engine at **alternate** FDC connection location.
- Captain to assume **Division Supervisor** (See **Division Supervisor Checklist**) upon arrival one floor below fire floor and assign their F/F's to another company (5<sup>th</sup> Engine) to assist with Fire Attack.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Cell Phone, High Rise Bag, Gated Wye, 2 Lengths 2 ½” with pigtail and nozzle, 4 air bottles, Halligan, TIC, 2<sup>nd</sup> radio.
- 2) \_\_\_ All equipment brought up by company to be staged outside stairwell on floor below fire.
- 3) \_\_\_ Firefighters assigned to assist another Fire Attack Engine Company (5<sup>th</sup> Engine) with maintaining attack line.
- 4) \_\_\_ Notify Division or IC when entering IDLH.
- 5) \_\_\_ Conserve air supply and begin Fire Attack as soon as adequate personnel are in place.

**Guideline: High Rise Fire****Division Supervisor (4<sup>th</sup> Due Engine Officer)****Priorities:**

- Priority is to maintain accountability/track all companies working with Division
- Manage Incident Objectives until relieved by 2<sup>nd</sup> arriving Battalion Chief.
- Continually update Command with conditions and resources needs. **All resources requested through IC/Operations on Command Channel.**

**Check List:**

- 1) \_\_\_ Locate **Division** one floor below fire floor (if possible) and in an area giving best the ability to track companies. Assume **Division Supervisor** by voicing on radio and confirming crew acknowledge.
- 2) \_\_\_ Track all companies moving between Fire Attack/Staging/Etc.
- 3) \_\_\_ Track times of all companies operating within IDLH.
- 4) \_\_\_ Have your 2<sup>nd</sup> portable radio; Monitor both Division Tac and Command Channel once established.
- 5) \_\_\_ Request regular "CAN Reports" from all companies operating in Division.
- 6) \_\_\_ Coordinate with **Lobby/Systems** to improve smoke conditions in and around fire floor.
- 7) \_\_\_ Fully brief Battalion Chief arriving to assume **Division**; Stay as Assistant to BC.

**Guideline: High Rise Fire****5<sup>th</sup> Arriving Engine, First Alarm Checklist****Priorities:**

- Engineer to drop crew off at “single point of entry”, parking Engine at that point with emergency lights on.
- Engineer responsible for maintaining door at “single point of entry” to track all company arrival and exit.
- Engineer assumes OTIS 2 when first due engine is staffed with three.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Cell Phone, High Rise Bag, Gated Wye, 2 Lengths 2 ½” with pigtail and nozzle, 4 air bottles, Halligan, TIC.
- 2) \_\_\_ All equipment brought up by company to be staged outside stairwell on floor below fire.
- 3) \_\_\_ Crew should act as replacement crew to maintain Fire Attack Team, supplement crew with firefighters from 4<sup>th</sup> Engine.
- 4) \_\_\_ Notify Division or IC when entering IDLH.
- 5) \_\_\_ Conserve air supply prior to entering IDLH and maintain Fire Attack.
- 6) \_\_\_ First company priority is to relieve FA crew as necessary to maintain primary attack line. Secondary priority is to connect additional line in case of failure of primary line, or primary needs to be replaced with longer line.

**Guideline: High Rise Fire****1<sup>st</sup> Arriving Truck, First Alarm Checklist****Priorities:**

- Truck placement should be based on factors such as fire location, age of building, type of occupancy and conditions upon arrival on scene.
- Engineer to spot Truck as directed and accompany crew inside unless otherwise directed by Captain. In most cases the Engineer will be utilized most effectively by staying with crew.
- Crew to use designated single point of entry and assist 2<sup>nd</sup> / 3<sup>rd</sup> arriving Engines with Fire Attack/Investigation.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Iron Package, Search Bag, Z Hooks, Hydra-Ram, TIC, Water Can.
- 2) \_\_\_ Captain to determine safe location for **staging** (2 floors below fire) and notify **Command** via radio.
- 3) \_\_\_ Crew to stage extra equipment one floor below fire outside of stairwell.
- 4) \_\_\_ Conduct quick recon of floor below fire, then use search bag if appropriate to locate and contain seat of fire. Voice location of fire for Command and direct Engine crew to location of fire.
- 5) \_\_\_ Priorities are Investigation, locate/confine fire, rescue. Trucks' primary function is not to move hose.
- 6) \_\_\_ Notify Division or IC when entering IDLH.

**Guideline: High Rise Fire****2<sup>nd</sup> Arriving Truck, First Alarm Checklist****Priorities:**

- Truck placement should be based on factors such as fire location, age of building, type of occupancy and conditions upon arrival on scene.
- Engineer to spot Truck as directed and accompany crew inside unless otherwise directed by Captain. In most cases the Engineer will be utilized most effectively by staying with crew.
- Crew to use designated single point of entry and back-up 1<sup>st</sup> arriving Truck with Fire Attack/Investigation.
- RIC Pack staged on Division floor.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Iron Package, Search Bag, Z hooks, Hydra-Ram, Blower, TIC, Water Can, RIC Pack, 6 SCBA Bottles.
- 2) \_\_\_ Deliver blower to Fire Attack stairwell ground floor. When needed initiate pressurization.
- 3) \_\_\_ Crew to stage extra equipment one floor below fire outside of stairwell.
- 4) \_\_\_ Conduct quick recon of floor below fire. Monitor Tac Channel and Back up 1<sup>st</sup> arriving Truck.
- 5) \_\_\_ Priorities are Investigation, locate/confine fire, rescue. Truck is not here to move hose.
- 6) \_\_\_ Notify Division or IC when entering IDLH.

**Guideline: High Rise Fire****3<sup>rd</sup> Arriving Truck, First Alarm Checklist****Priorities:**

- Park apparatus away from building and enter designated “single point of entry”.
- Company will assume Rapid Ascent Team 1 (**RAT 1**) Rat 1 & 2 report to **Evacuation Group** once established (3<sup>rd</sup> BC). (Once established Evacuation Group will roll over to separate Tac Channel).
- Crew to use designated “single point of entry,” place blower in Fire Attack stairwell 3 floors below fire floor.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Iron Package, Search Bag, Hydra-Ram, Blower, TIC, 6 SCBA Bottles.
- 2) \_\_\_ Place blower in Fire Attack stairwell **3** floors below fire floor (1 floor below staging floor), 2-3 feet from doorway of fire attack stairwell with floor door chocked open to draw air from floor.
- 3) \_\_\_ Use FA stairwell to access top of stairwell, initiate search of stairwell to include securing/closing floor doors and placing any building occupants in “safe haven” on appropriate floor. Contact **Evacuation Group** for removal.
- 4) \_\_\_ Cache equipment one floor above nearest smoke free floor above the fire outside of the fire attack stairwell.
- 5) \_\_\_ **Ventilation** of Fire Attack stairwell is only authorized when coordinated through Division Group Supervisor. Tactical priority is stairwell pressurization not ventilation.
- 6) \_\_\_ Maintain control of the fire attack stairwell until relieved/reassigned by Evacuation Group Supervisor.
- 7) \_\_\_ Notify Division or IC when entering IDLH.

**Guideline: High Rise Fire****4<sup>th</sup> Arriving Truck, First Alarm Checklist****Priorities:**

- Park apparatus away from building and enter designated “single point of entry”.
- Crew to use designated “single point of entry,” place blower at Evac stairwell ground floor.
- Crew to use designated single point of entry and back-up 1<sup>st</sup> and 2<sup>nd</sup> arriving Truck with Fire Attack/Investigation.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Iron Package, Search Bag, Hydra-Ram, Blower, TIC, Z hooks, Water Can, 6 SCBA Bottles.
- 2) \_\_\_ Deliver blower to Evac stairwell ground floor. When needed initiate pressurization.
- 3) \_\_\_ Crew to stage extra equipment one floor below fire outside of stairwell.
- 4) \_\_\_ Conduct quick recon of floor below fire. Monitor Tac Channel and Back up 1<sup>st</sup> and 2<sup>nd</sup> arriving Truck.
- 5) \_\_\_ Notify Division or IC when entering IDLH.

Guideline: High Rise Fire

**I<sup>st</sup> Arriving Medic, First Alarm Checklist**

**Priorities:**

- Park Medic away from the incident and report to lobby; “single point of entry” with all necessary medical equipment.
- Establish **Triage Unit Leader** and begin triage of any patients.

**Check List:**

- 1) \_\_\_ Equipment to bring inside: Portable radios, gurney, medical bags, triage tags, cell phone, clip board/pen, extra paper/tags, full PPE.
- 2) \_\_\_ Establish secure and separate triage areas: Immediate, Delayed, Minor.
- 3) \_\_\_ Begin triage using S.T.A.R.T. Triage as appropriate when adequate personnel become available.
- 4) \_\_\_ Coordinate with Medical Communications Coordinator and report to Medical Group Supervisor once established.



**Guideline: High Rise Fire**

**2<sup>nd</sup> Arriving Medic, First Alarm Checklist**

**Priorities:**

- Park Medic away from the incident and report to lobby; “single point of entry” with all necessary medical equipment.
- Establish **Transport Unit Leader/Medical Communications Coordinator**, if appropriate. Report to Medical Group Supervisor.

**Check List:**

- 1) \_\_\_ Equipment to bring inside: Portable Radios, gurney, medical bags, cell phone, clip board/pen, extra paper/tags, full PPE.
- 2) \_\_\_ Establish/Maintain communication with DCF if appropriate.
- 3) \_\_\_ Anticipate transportation resources and declare MCI as necessary through Medical Group Supervisor.

**Guideline: High Rise Fire****1<sup>st</sup> Assigned Engine, Second Alarm Checklist****Staging Area Manager****Priorities:**

- First Engine Company on dispatch “Pick List” will assume and continue as **Staging Manager** to include initial Roll Call on Staging Channel en route to call (Normally BI I).
- Captain to assume **Staging Area Manager** upon arrival two floors below fire floor and assign their Firefighters to assist with Staging duties. All additional Staging resources to be ordered through **IC/Operations**.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: 2<sup>nd</sup> radio, Cell Phone, 4 spare air bottles, high rise bag, white board, markers/grease pens, caution tape, Rehab/medical bag/EKG/O2
- 2) \_\_\_ Re-evaluate Staging area: Normally designated by first arriving Truck but should be 2 or more floors below fire floor in order to be out of any IDLH environment. Any location changes need to be voiced over radio and confirmed by IC.
- 3) \_\_\_ Crew to designate separate areas for: Rehab, Crew ready, Equipment: Full/Empty bottles, Etc. Also post signs for Attack Stairwell, Evacuation Stairwell, Etc.
- 4) \_\_\_ Maintain accountability of all 2<sup>nd</sup> alarm Staging companies and any other companies arriving into/leaving Staging. Monitor both Staging Channel and Incident Initial Tac/Command Channel when established (need 2 radios).
- 5) \_\_\_ Direct crews and equipment to designated locations as requested by Operations/Command. Confirm crews assigned from Staging are on correct Tac channel and are aware of who they report to.

Guideline: High Rise Fire

**Additional Arriving Engines, Second Alarm Checklist**

**Priorities:**

- Come up on Staging Channel (Normally B11) for Roll Call en route. Stay on this channel until directed otherwise by **Staging Area Manager**.
- Park away from building in area designated by IC and confirmed on Staging Channel. Make entry to building at designated “Single Point of Entry” with your crew.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: 4 spare air bottles, 100’ 2 ½” hose, TIC, Cell Phone.
- 2) \_\_\_ Proceed to **Staging Area** (normally 2 floors below fire floor). Stay on/monitor Staging channel.

**Guideline: High Rise Fire****1<sup>st</sup> Arriving Truck, Second Alarm Checklist****Priorities:**

- Park apparatus away from building and enter designated “single point of entry”.
- Company will assume Rapid Ascent Team 2 (**RAT 2**). RAT 1 & 2 report to **Evacuation Group** once established (3<sup>rd</sup> BC). (Once established Evacuation Group will roll over to separate Tac Channel).
- Crew to use designated “single point of entry,” place blower in Evac stairwell 3 floors below fire floor.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Iron Package, Search Bag, Hydra-Ram, Blower, TIC, 6 SCBA Bottles.
- 2) \_\_\_ Place blower in Evac stairwell **3** floors below fire floor (1 floor below staging floor), 2-3 feet from doorway of evacuation stairwell with floor door chocked open to draw air from floor.
- 3) \_\_\_ Use Evacuation stairwell to access top of stairwell, initiate search of stairwell to include securing/closing floor doors and moving any building occupants to “safe haven” on appropriate floor. Contact **Evacuation Group** for removal.
- 4) \_\_\_ Cache equipment one floor above nearest smoke free floor above the fire outside of the Evac stairwell.
- 5) \_\_\_ **Ventilation** of Evac stairwell is only authorized when coordinated through Division Group Supervisor. Tactical priority is stairwell pressurization not ventilation.
- 6) \_\_\_ Maintain control of the Evacuation stairwell until relieved/reassigned by Evacuation Group Supervisor.

**Guideline: High Rise Fire****2<sup>nd</sup> Arriving Truck, Second Alarm Checklist****Priorities:**

- Park apparatus away from building and enter designated “single point of entry”.
- Blower to Fire Attack stairwell ground floor.
- Company will assume Rapid Intervention Crew (**RIC**). RIC stages one floor below fire floor near Division Supervisor.
- RIC reports directly to IC, or Operations if established.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, RIC Pack, Iron Package, Search Bag, Hydra-Ram, Blower, TIC, Circ Saw, Box Light, 6 SCBA Bottles.
- 2) \_\_\_ Deliver Blower to Fire Attack stairwell ground floor. Place in sequence with first Fire attack blower
- 3) \_\_\_ Stage on floor below fire unless directed otherwise by Command.
- 4) \_\_\_ RIC Officer should get run down from Operations/Division as to location of all companies operating in IDLH.
- 5) \_\_\_ RIC Crew should perform recon of floor below fire to determine possible access/egress points as well as getting a comprehensive look at floor lay-out.
- 6) \_\_\_ RIC should monitor Command and Tac Channels, keying into radio traffic which might indicate early signs of distress, or disorientation by individual/crew.

Guideline: High Rise Fire

**3<sup>rd</sup> Arriving Truck, Second Alarm Checklist**

**Priorities:**

- Park apparatus away from building and enter designated “single point of entry”.
- Blower to Evac Stairwell ground floor.
- Stay on Staging Channel.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Iron Package, Search Bag, Hydra-Ram, Blower, TIC, 6 SCBA Bottles, Salvage Covers (to protect elevator shafts).
- 2) \_\_\_ Deliver Blower to Evac stairwell ground floor. Place in sequence with first Evac blower.
- 3) \_\_\_ Report to **Staging** for assignment and stay on Staging Channel unless directed by **Staging Area Manager**.

Guideline: High Rise Fire

**4<sup>th</sup> Arriving Truck, Second Alarm Checklist**

**Priorities:**

- Park apparatus away from building and enter designated “single point of entry”.
- Stay on Staging Channel.
- Report to Staging
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Equipment: Keys, Iron Package, Search Bag, Hydra-Ram, TIC, 6 SCBA Bottles, Salvage Covers (to protect elevator shafts).
- 2) \_\_\_ Report to **Staging** for assignment and stay on Staging Channel unless directed by **Staging Area Manager**.

**Guideline: High Rise Fire****I<sup>st</sup> Assigned Engine, Third Alarm Checklist**  
**Base Manager****Priorities:**

- First Engine Company on dispatch “Pick List” will assume and continue as **Base Manager** to include initial Roll Call on Base Channel en route to incident (different from Staging Channel, request dedicated channel from dispatch if necessary).
- Captain will formally assume **Base Manager** upon arrival at designated Base Location. Request location en route to incident if necessary from **IC**. **Base Manager** will report to **Logistics Section Chief** if position is filled.
- If designated Base Location needs to be changed, request direction from IC/Logistics Section Chief.
- Captain & FF 1 reports to Command Post, Engineer & FF 2 manage Base.

**Check List:**

- 1) \_\_\_ Using two different radios, monitor both Base Channel and Command Channels. Provide personnel from crew if necessary to assist with duties at Command Post.
- 2) \_\_\_ Establish functional areas within Base for: Apparatus parking, Crew ready area, Equipment pool, Rehab, Etc.
- 3) \_\_\_ Provide for Safety, Security, and Traffic control at Base. Anticipate equipment/personnel needs and keep appropriate level of each in Base at all times as directed by IC/Logistics Section Chief.
- 4) \_\_\_ Maintain accountability of all personnel arriving into/leaving Base.
- 5) \_\_\_ Direct crews and equipment to designated locations as requested by Command/Logistics. Confirm that crews assigned from Base are on correct Tac Channel and are aware of who they are reporting to.



**Guideline: High Rise Fire****3<sup>rd</sup> Alarm/Additional Alarms Checklist****Priorities:**

- Come up on **Base Channel** (Different channel than Staging Channel for 2<sup>nd</sup> alarm companies) for Roll Call in route. First Engine on “Pick List” is responsible for Roll Call and assumption of **Base Manager** upon arrival. All companies will Stay on this Base Channel unless directed otherwise by Base Manager.
- Park away from building in area designated by IC and confirmed on Base Channel. Make entry to building at “Designated Point of Entry” when directed and bring Passports along with crew.
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above if safe to use.

**Check List:**

- 1) \_\_\_ Minimum Engine Equipment: 100' 2 ½" hose, TIC, 4 air bottles.  
\_\_\_ Minimum Truck Equipment: TIC, Iron Package, Hydra Ram, Search Bag, 6 spare air bottles, 2 salvage covers.
- 2) \_\_\_ Blower to be brought into Lobby Area by Engineer and using that blower along with one left by 2<sup>nd</sup> arriving Truck, pressure Evacuation stairwell if appropriate (If FA stairwell is pressurized, then pressurize Evacuation Stairwell). 2 Blowers side by side, 4' from door and angled up and toward center of door to stairwell.
- 3) \_\_\_ Report to **Staging** for assignment and stay on Staging Channel unless directed by **Staging Area Manager**.
- 4) \_\_\_ When receiving assignment from Base Manager confirm new Tac Channel and who you are reporting to.

**Guideline: High Rise Fire****Elevator Policy High-Rise Operations Checklist****Priorities:**

- All operation of elevators during an incident will be performed only by fire personnel and those familiar with Manual Operation (Phase I & 2), along with a full understanding of elevator operations.
- At no time shall fire personnel utilize elevators unless they are in Manual/Fire Department Mode. During an incident **High-Bank & Freight elevators will not be utilized.**
- Stairwell access for alarm below 7<sup>th</sup> floor, OTIS to transport via elevator for alarm 7<sup>th</sup> floor and above **if safe to use.**

**Check List:**

- 1) \_\_\_ OTIS operators will recall all elevators to ground floor by placing elevator banks into Phase I. Individual elevator cars will then be placed into Phase 2 prior to use. Manually check car door function as well as checking elevator shaft for any signs of smoke/water prior to use. Any smoke/water in elevator shaft is an automatic **No Go Situation** and stairwells will be utilized.
- 2) \_\_\_ OTIS operators must have minimum tool compliment of SCBA, Halligan, and extra air bottle. The number of personnel entering elevator will be based on efficiency, but also the ability of all personnel to don SCBA or self-extricate from elevator in case of an emergency. All personnel will be equipped with SCBA.
- 3) \_\_\_ OTIS operator will stop elevator car and check elevator shaft at 5 floor intervals. Fire companies will exit a minimum of 2 floors below reported alarm/fire floor and utilize stairwell from that point.

Guideline: High Rise Fire



Standard Operating Guideline



Signature Page

The undersigned Fire Chiefs approve the contents of this document

DocuSigned by:
K. Cusano
0EA1688BF8704E0...
Ken Cusano, Fire Chief
City of Folsom Fire Department

DocuSigned by:
Chad Wilson
7F603638D2DB409...
Chad Wilson, A/C of Operations
City of Folsom Fire Department

DocuSigned by:
Fire Chief Chris Costamagna
1EC28EEA286C46C...
Chris Costamagna, Fire Chief
City of Sacramento Fire Department

DocuSigned by:
Deputy Chief Mike Taylor
F091CD3115A2473...
Michael Taylor, D/C of Operations
City of Sacramento Fire Department

DocuSigned by:
Fire Chief Todd Harms
3AE00E5DDFAD441...
Todd Harms, Fire Chief
Sacramento Metro Fire District

DocuSigned by:
Adam Mitchell
572608E3A5CB48E...
Adam Mitchell, D/C of Operations
Sacramento Metro Fire District

DocuSigned by:
Fire Chief Felipe Rodriguez
73572FA3A8044AD...
Felipe Rodriguez, Fire Chief
Cosumnes Fire Department

DocuSigned by:
Deputy Chief Dan Quiggle
1F9C52567867402...
Dan Quiggle, D/C of Operations
Cosumnes Fire Department

DocuSigned by:
Troy Bair
534A33FE561E469...
Troy Bair
Chief Executive Director
Sacramento Regional Fire/EMS
Communications Center

DocuSigned by:
SRF-ELL Ops Mgr Julee Todd
A4EE8D3066D2467...
Julee Todd
Communications Operations Manager
Sacramento Regional Fire/EMS
Communications Center