



FIRE CODE COMPLIANCE REVIEW

PC SUBMITTALS

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Fire Prevention Division Chief



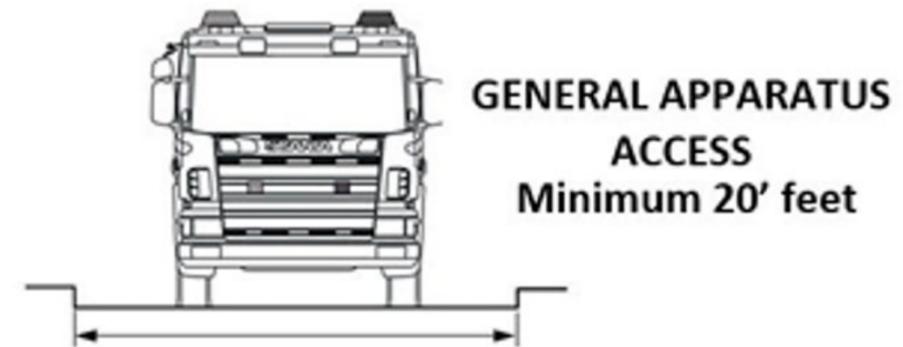
PLANNING REVIEW



WHAT ARE WE LOOKING FOR

Access Roads

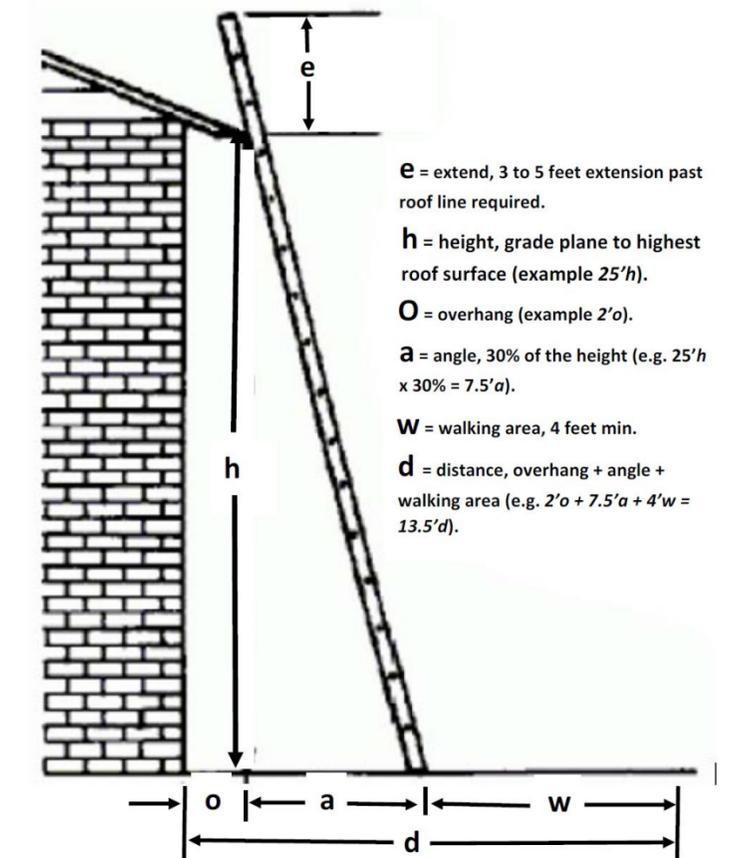
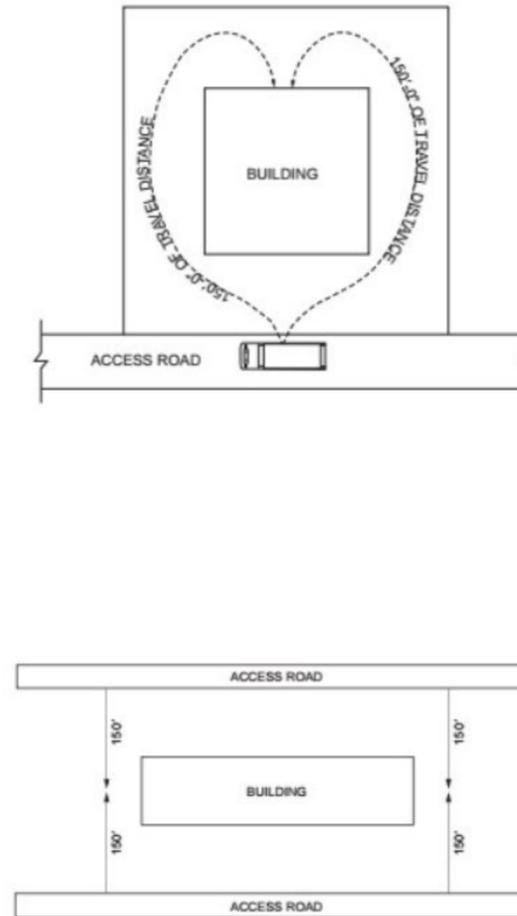
- Minimum unobstructed road widths of 20-feet
- Minimum clear height of 13-feet 6-inches
- Dead end not greater than 150-feet
- Parking or other obstructions (bus stops, medians, bike lanes)
- Turn radii
- Type of material –
 - All weather driving surface
 - 75,000-pound weight bearing capacity



WHAT ARE WE LOOKING FOR

Approved route for firefighter

- 150-foot maximum hose pull distance to all ground level exterior walls from approved fire access roads
- Approved firefighter access path for operations – ground ladder
- Alternative Methods and Materials (AMM) for increases to maximum distances. May include density increase, external standpipe connections, or other items as approved.



WHAT ARE WE LOOKING FOR

Building Heights – Aerial access

- Required when building exceeds 30-feet in height
- Road widths increase to 26-feet
- Proximity distances from road to building of 15 to 30 feet
- Obstructions – power and utility lines, trees
- Alternative Materials and Methods (AMM) available



AERIAL ACCESS

- Required where the vertical distance between the *grade plane* and the highest roof surface exceeds 30 feet.
 - highest roof surface is measured as–
 - Eave on pitched roof
 - Intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater.
- Exception: Where *approved* by the *fire code official*, (must provide all three)
 - buildings of Type IA, Type IB or Type IIA construction
 - NFPA 13 system throughout
 - Enclosed *stairway* with a Class I standpipe from the lowest level of fire department vehicle access to all roof surfaces.



AERIAL ACCESS

Two additional options are available through an AMM process where the long side cannot be provided

Option 1: Commercial

Provide at least 25% of the total building perimeter with aerial access

- All locations where aerial access is proposed shall meet proximity and obstruction requirements (see exceptions for proximity distances)
- May be provided on public or private property or a combination of both, any use of adjacent properties for aerial access requires a NO BUILD easement to be recorded with SLC and SLC county.
- Dead end access roads requirements would apply
- Firefighter access pathway requirements shall apply (8-feet to most remote portion of building)
- Maximum hose pull distance of 150-feet
- AMM to exceed 150-feet.
- External standpipes when exceeding 150feet.
 - First external standpipe at 200-feet and additional every 150-feet after
 - Additional requirements may be needed based on project location, construction time and other relevant factors



AERIAL ACCESS

Option 2: Residential

Where the long side cannot be provided, through an AMM and Fire Code Official approval.

- Maximum depth from fire department access road 200-feet (Over 150-feet requires AMM up to 200-feet maximum.)

Exit stair enclosure

- 2 Stair enclosures shall be provided to the roof
- 2-hour FRR for each stair enclosure
- Stair closest to fire access road shall have standpipe connection at roof
- No electrical receptacles allowed in enclosure
- Suppression on all floor landings, no matter if stairs are combustible or non-combustible construction

Corridors

- 2-hour FRR
- 90-minute doors
- Limited or lockable electrical receptacles
- Smoke detection tied into FACU

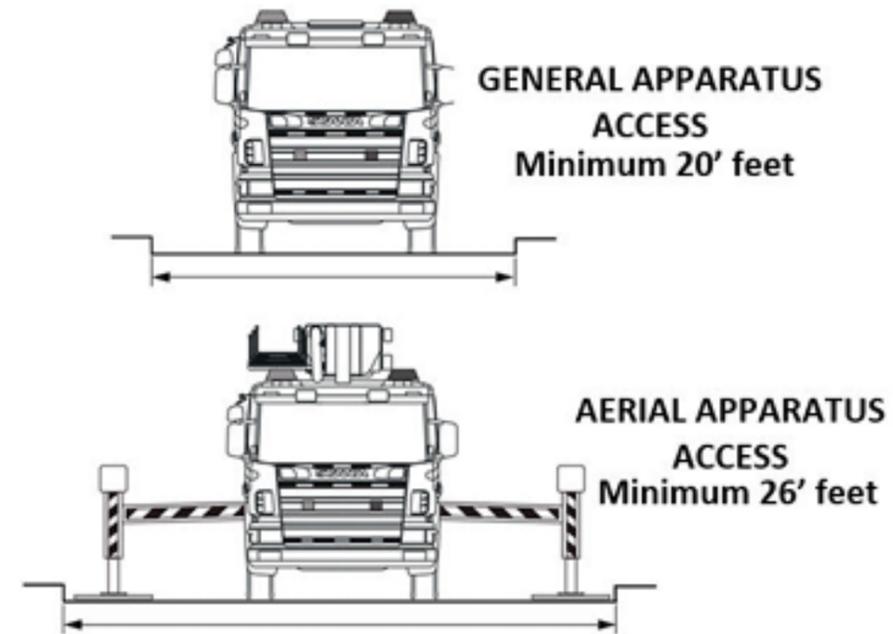


Road Widths

Width

A Aerial Fire Apparatus Access Road shall have a minimum unobstructed width (exclusive of shoulder) of not less than the following:

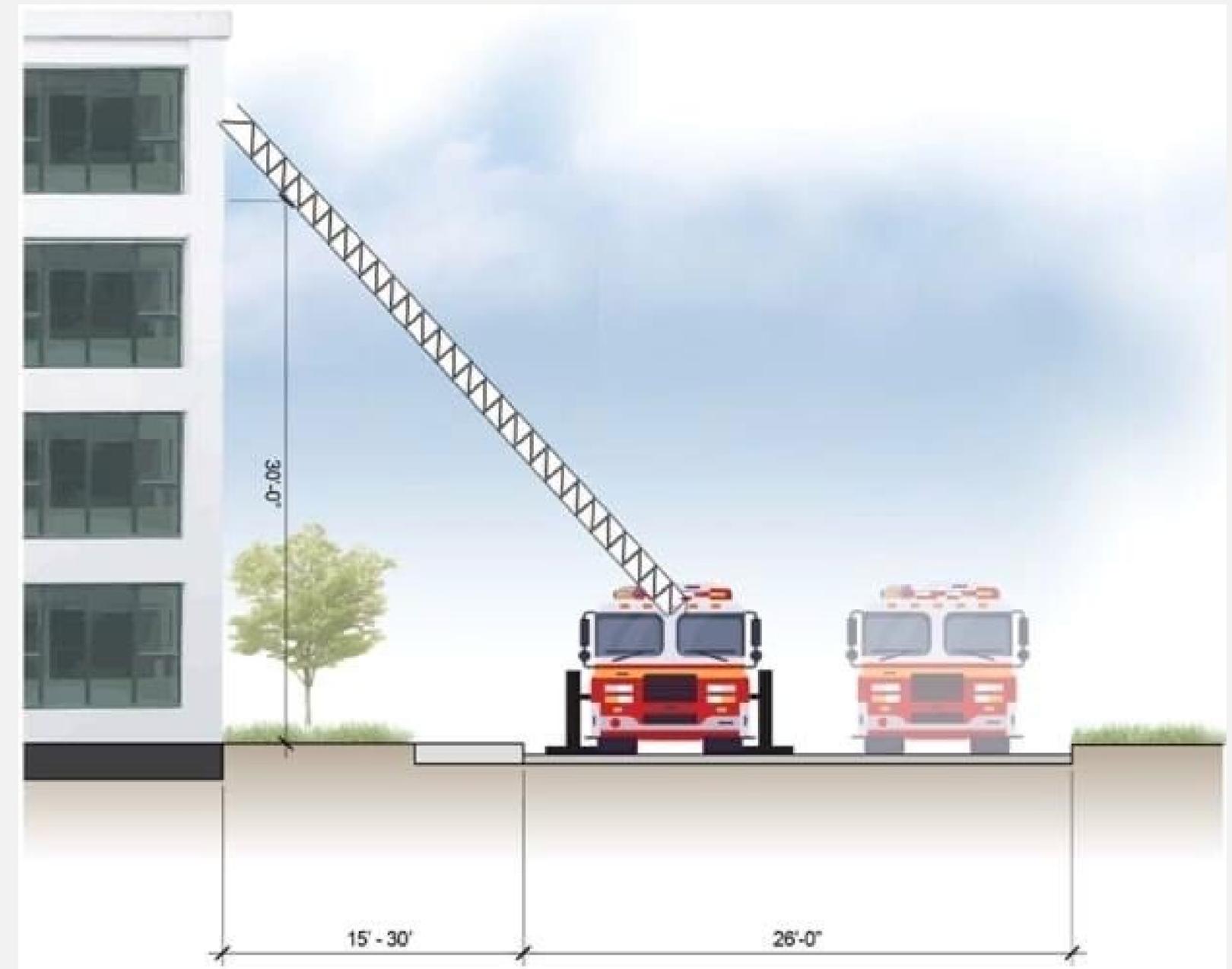
WIDTH (FEET)	
No Parking	26 feet
Parking on One Side (Parallel)	34 feet
Parking on Both Sides (Parallel)	42 feet



- Minimum unobstructed width of 26 feet, exclusive of shoulders, sidewalks, and park strips
- On street parking must be taken into consideration.

Proximity to Building

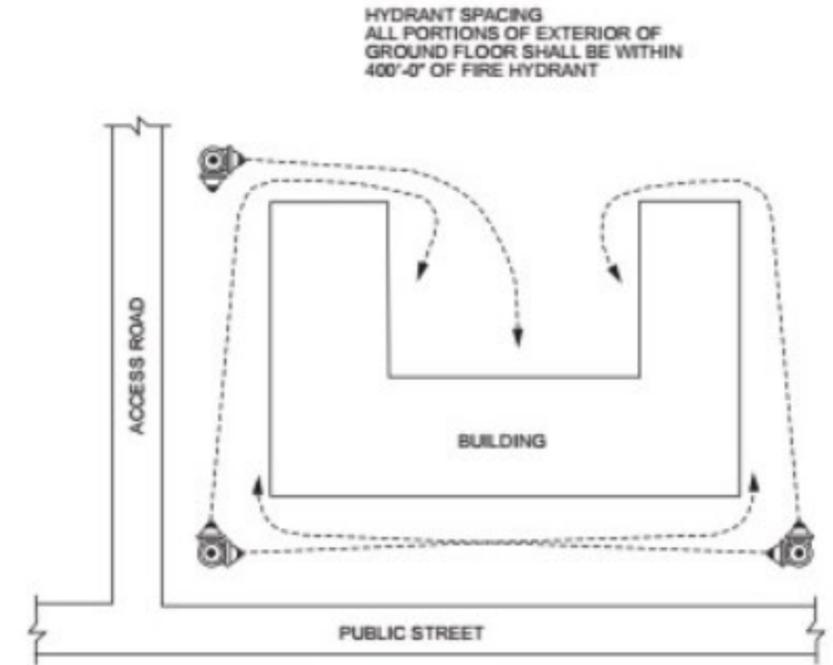
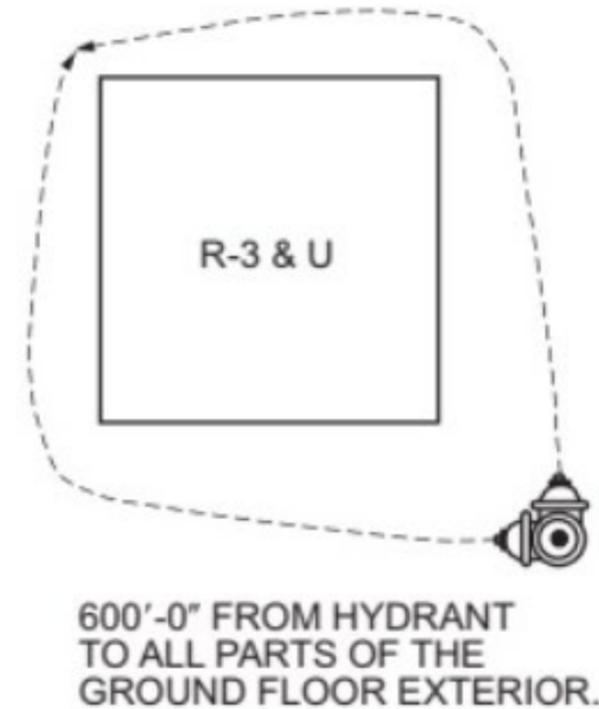
- May be provided from more than one road
- May utilize public ROW or private property
- Located not less than 15 feet and not greater than 30 feet from the building
 - Up to 50-feet allowed through AMM with one of 4 exceptions created. See Building Services
- Parallel to long side of building unless modified pursuant to an AMM



WHAT ARE WE LOOKING FOR

Water supply - Hydrants

- Residential - 600 feet max distance to most remote portion of building
- Commercial - IFC appendix B and C for number of maximum spacing
 - Dependent on type of construction and square footage





THANK YOU
