



HIGH-RISE BUILDING PERMIT
PLAN REVIEW CHECKLIST

I. Definition - A building with an occupied floor located more than 75 feet above the lowest level of fire department vehicle access. (See exceptions in IBC 403.1.)

II. Construction Details

1. *Reduction in Fire-Resistance Rating*

(a) Does building have sprinkler control valves equipped with supervisory initiating devices and water-flow initiating devices for each floor [IA to IB or IB to IIA for F1, M or S-1, per IBC 403.2.1.1]? Yes No N/A

i. If yes to 1(a), does the *reduction in fire-resistance* rating conform to IBC Table 601 for buildings ≤ 420 feet in height? Yes No N/A

ii. Is the *fire-resistance* rating of the *fire barriers* enclosing vertical shafts being reduced to 1 hour where automatic sprinklers are installed (for Buildings ≤ 420 feet in building height)? Yes No N/A

2. Have earthquake loads been considered? Yes No N/A

3. For *exit and elevator hoistway enclosures*, do wall assemblies meet or exceed Soft Body Impact Classification Level 2 (for buildings ≤ 420 feet in height)? Yes No N/A

(a) Are walls in 1(e) made of concrete or masonry? Yes No N/A

(b) Is bond minimum strength of the SFRM ≥ 430 psf for buildings up to 420 feet in height, or ≥ 1,000 psf for buildings > 420 feet in height? Yes No N/A

4. *Means of Egress*

(a) *Interiors Exit stairway* enclosures are separated by a distance of not less than 30 feet or not less than ¼ the length of maximum overall diagonal dimension of building or area to be served, whichever is less. Yes No N/A

(b) For buildings other than Group R-2 and their ancillary spaces that are > 420 feet in building height, one additional *exit stairway* is provided in addition to minimum number of exits required. Yes No N/A

(c) Every required *exit stairway* serving floors more than 75 feet above lowest level of fire department vehicle access shall be a *smoke proof enclosure* in accordance with Sections 909.20 and 1023.11. Yes No N/A

5. *Elevators*

(a) Do elevators comply with adopted provisions of Philadelphia IBC Chapter 30? Yes No N/A

(b) For building with occupied floor more than 120 feet above lowest level of fire vehicle access, is a minimum of two fire service access elevator provided? Yes No N/A

III. Fire Control

1. Approved (stamped by Fire Department) plan provided for *Fire Command Center* Yes No

(a) In a location that has been approved by the Fire Code Unit (215-686-1356) Yes No

(b) In room enclosed by a minimum 1-hour fire barrier (per IBC 707) Yes No
and constructed by a horizontal assembly (per IBC 711)

(c) Room is minimum area 200 sq.ft, with a minimum dimension of 10 ft. Yes No

(d) Complies with NFPA 72, per list attached to Plan Review Form (see IFC 508.1.5) Yes No

(e) Doors to command center marked “Fire Command Center” Yes No

2. *Automatic Fire Extinguishing System* is provided Yes No



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- (a) Automatic sprinkler system conforms to NFPA 13 (IBC 903.3.1.1) Yes No
- (b) For Seismic Design Category C or higher, secondary water supply shall be noted on plans Yes No
- (c) Each sprinkler zone is supplied by a minimum of two risers (for buildings > 420 feet in height), that supply alternate floors Yes No N/A
- (d) Sprinkler risers placed in remotely located exit enclosures (IBC 1015.2) Yes No N/A
- (e) If a *Generator Room* is shown on the plans, is a 2-hour enclosure provided? (per IBC Table 508.2.5) Yes No N/A
- 3. *Standpipe System* is provided and installed per IFC 905 Yes No N/A
 - (a) Class I standpipes installed where occupied floors are located more than 50 feet above/below lowest level of fire department vehicle access Yes No N/A
 - (b) Hose connections are provided in each required exit stairway Yes No N/A
 - (c) Plans Examiner shall note on plans that a water supply from two independent fire pumps is provided for floor areas located more than 250 feet above fire department vehicle access (unless provided in designer's notes) Yes N/A

IV. Emergency Systems

- 1. *Standby Power System* is being provided Yes No N/A
- 2. *Emergency Power System* is being provided Yes No N/A
- 3. A list of all equipment being provided with *Standby Power* or *Emergency Power* shall be attached to the Plan Review Form. Yes No N/A