

HIGH-RISE BUILDING PERMIT PLAN REVIEW CHECKLIST

I. Definition						
<i>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</i>						
II. Construction Details		N/A	Provided			
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 FI, M or S-1, per IBC 403.2.1.1]?	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
i. If yes to I(a), does the reduction in fire-resistance rating conform to IBC Table 601 for buildings ≤ 420 feet in height?	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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)?	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2. Have earthquake loads been considered?	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3. For exit and elevator hoist way enclosures, do wall assemblies meet or exceed Soft Body Impact Classification Level 2 (for buildings ≤ 420 feet in height)?	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
a. Are walls made of concrete or masonry?	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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?	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4. Means of Egress						
a. Interior 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.	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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 require.	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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.	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
5. Elevators						
a. Do elevators comply with adopted provisions of Philadelphia IBC Chapter 30?	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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?	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

III. Fire Control						
1. Approved (stamped by Fire Department) plan provided for Fire Command Center	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
a. In a location that has been approved by the Fire Code Unit (215-686-1356)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
b. In room enclosed by a minimum 1-hour fire barrier (per IBC 707) and constructed by a horizontal assembly (per IBC 711)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
c. Room is minimum area 200 sq. ft, with a minimum dimension of 10 ft.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
d. Complies with NFPA 72, per list attached to Plan Review Form (see IFC 508.1.5)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
e. Doors to command center marked "Fire Command Center"	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
2. Automatic Fire Extinguishing System is provided	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
a. Automatic sprinkler system conforms to NFPA 13 (IBC 903.3.1.1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
b. For Seismic Design Category C or higher, secondary water supply shall be noted on plans	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No		
c. Each sprinkler zone is supplied by a minimum of two risers (for buildings > 420 feet in height), that supply alternate floors	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
d. Sprinkler risers placed in remotely located exit enclosures (IBC 1015.2)	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
e. If a Generator Room is shown on the plans, is a 2-hour enclosure provided?(per IBC Table 508.2.5)	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3. Standpipe System is provided and installed per IFC 905	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
a. Class I standpipes installed where occupied floors are located more than 50 feet above/below lowest level of fire department vehicle access	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
b. Hose connections are provided in each required exit stairway	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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)	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes		
IV. Emergency Systems						
1. Standby Power System is being provided	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2. Emergency Power System is being provided	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3. A list of all equipment being provided with Standby Power or Emergency Power shall be attached to the Plan Review Form.	<input type="checkbox"/>	N/A	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No